IVAR

HYDRONIC COMPONENTS & SYSTEMS



INTERNATIONAL CATALOGUE

2024

INTERNATIONAL CATALOGUE

2024

HYDRONIC SOLUTIONS FOR EVERY NEED

IVAR designs, develops and manufactures **highly energy-efficient heating and plumbing systems**. We have over 10,000 catalogue items - mass-produced products and unique items - in addition to customised systems and combinations of complex products.
The continuous implementation of projects under the **Industry 4.0** initiative and **lean production** have allowed us to take full advantage of new technological and IT innovations in order to improve our **manufacturing efficiency**, eliminate waste and streamline all processes.
The Group's international presence is provided by its **branches in various countries** (including Belgium, China, the United Kingdom, the Czech Republic, Romania, Slovakia, Spain, the United States and Tunisia), but the headquarters and production remain **IN ITALY**, with our **zero environmental impact facility**.

01
SUSTAINABILITY

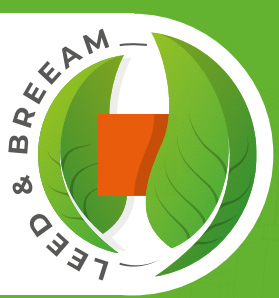
Respect and protection of the environment are the strategic lever for innovation and product development.

02
INNOVATION

The search for production efficiency results in projects related to industry 4.0 and in the implementation of Continual Improvement Program.

03
TRAINING

Sharing our experience and know-how has always been the towering pillar of our company culture.



Among the first manufacturers of plumbing components and systems in Italy, we have mapped all our products to select those **THAT ALLOW DESIGNERS TO BEST RESPOND TO THE SPECIFIC REQUIREMENTS** of the two protocols.

LEED | *Leadership in Energy and Environmental Design*
It is the certification system for sustainable buildings and is recognized worldwide as a way to achieve the goals of sustainability and leadership developed by USGBC.

BREEAM | *Building Research Establishment Environmental Assessment Method*
It is a globally recognized suite of validation and certification systems for a sustainably built environment, developed by BRE. BREEAM certified buildings have helped to improve asset performance at every stage, from design to construction, use and renovation.

LINEA ARANCIO
TECHNICAL SUPPORT

LINEA ARANCIO is the direct line designed by IVAR to get in touch with professionals in an easy and fast way. Our technical advice team can always suggests the best solutions for your needs.



SOLUTIONS RESEARCH



ACCURATE QUOTATION



SUPPORT BEFORE, DURING AND AFTER INSTALLATION



TRAINING



BIM



IVAR CLOUD

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TECHNICAL SUPPORT
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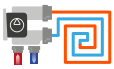
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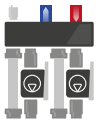
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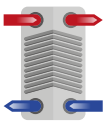
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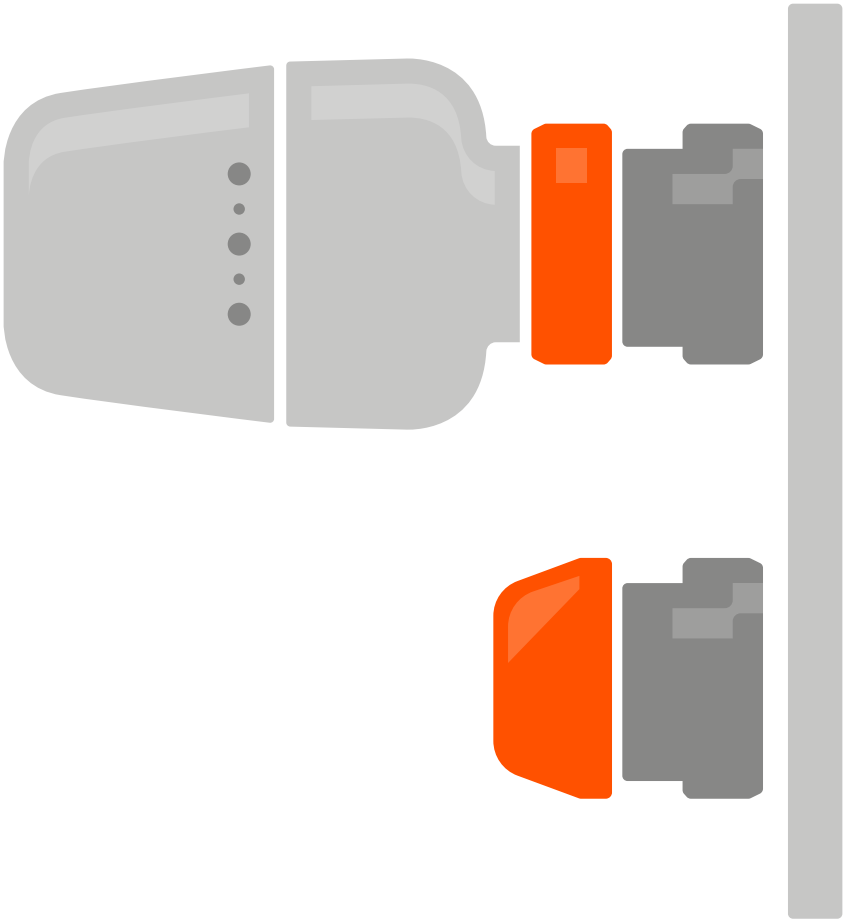
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RADIATOR AND FAN-COIL VALVES



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Focus tecnici

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Détails techniques

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Technische Details

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DOWNLOAD
Profundizaciónes técnicas



Teste termostatiche, valvole e detentori serie OPTIMA
Thermostatic heads, valves and lockshields OPTIMA series
Têtes thermostatiques, robinets et raccords de réglage de la série OPTIMA
Thermostat-Köpfe, Ventile und Rücklaufventile OPTIMA-Serie
Cabezas termostáticas, válvulas y detentores de la serie optima
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Accessori e parti di ricambio per valvole monotubo
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Accessori e parti di ricambio
Accessories and spare parts
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Fan-coil unit kit
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Fan-Coil Unit Kit
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OPTIMA

The OPTIMA thermostatic valve range features a superior quality finish which ensures perfect application in designer heating units. The technical specifications are also impressive: the DH 01 head features an ultra-rapid response and extremely low hysteresis, ranking it at the top of the range of IVAR thermostatic controls.
Valves and lockshields complete the range with the same finishes, complete with accessories and fittings. All valves and lockshields outlined in this section are supplied with AVK 01 adaptors.

Materials
Valve body: brass CW617N
Seals and O-rings: peroxide EPDM
Head knob: brass CW508L
Head thermostat: liquid expansion type

Technical specifications
Max. fluid temperature inside valve: 100 °C
Maximum operating pressure: 10 bar
Max. pressure differential on valves with fitted thermostatic head: 0.25 bar
Parameters according to EN 215 (for DH 01 WHITE only):
- Hysteresis: 0.5 K
- Influence of pressure differential D: 0.45 K
- Effect of water temperature W: 0.8 K

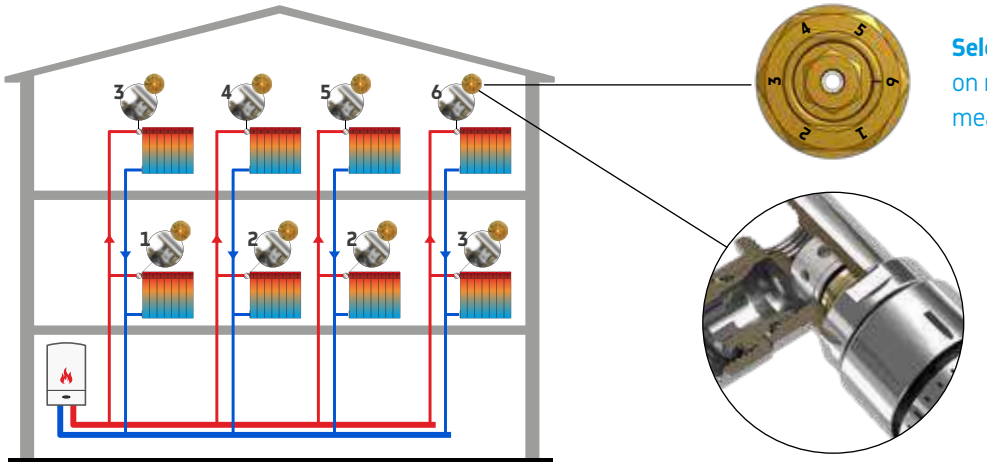
Response time Z: 10 min (DH 01 WHITE); < 40 min (others)

PLUS

- **Minimal and elegant design, suitable for modern heated towel rails**
- **Several finishes available**
- **Head with internal liquid expansion thermostat**
- **Equipped with selector for flow rate pre-regulation FOCUS 1**
- **Ring nut can be replaced even when the system is working FOCUS 2**

FOCUS 1: Preregulation

All OPTIMA valves are fitted with a pre-adjustment selector which acts on the flow rate to simplify water balancing operations on the circuits.



Selector setting
on required value by means of a wrench.

FOCUS 2: Ring nut substitution

The ring nut is screwed on a special insert and can be replaced even when the system is working.

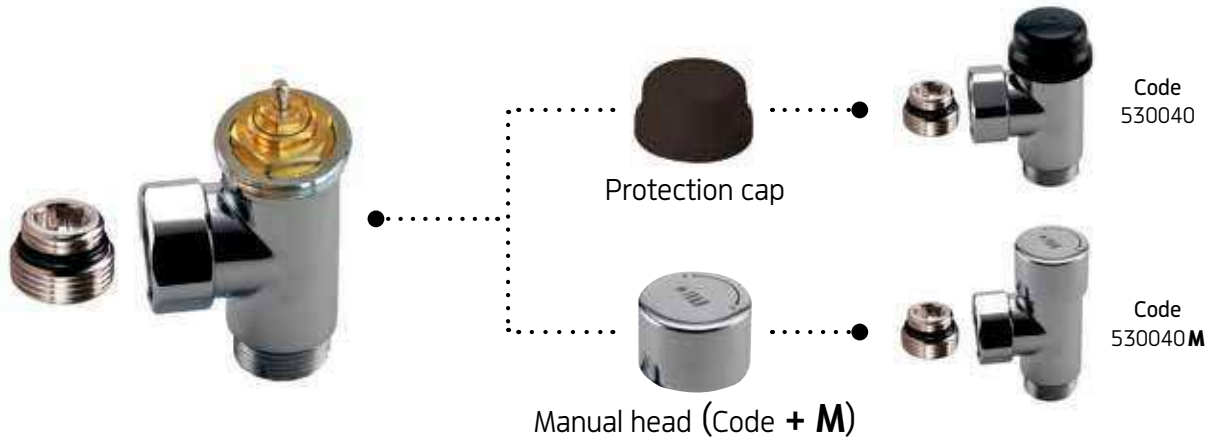




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OPTIMA

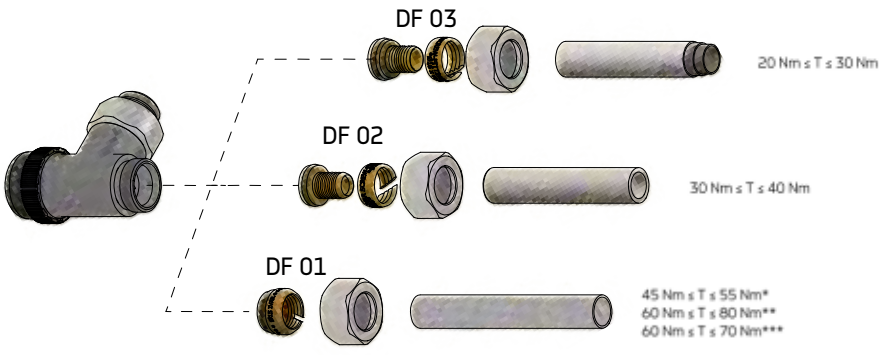
Valves versions example



Finishes example

CHROME	*INOX*	*WHITE*	*BLACK*	*SILVER*
530040	530040**INOX**	530040**WHITE**	ON REQUEST	ON REQUEST

Suitable fittings for valves and lockshields OPTIMA series with M24x1,5 connection



- **T = Coppia max. di serraggio. |*Rame ricotto. |**Rame semiduro. |***Acciaio dolce.**
- *T = Max. tightening torque. |*Soft copper. |**Semi-hard copper. |***Mild steel.*
- **T = Couple de serrage max. |*Cuivre recuit. |**Cuivre semi-rigide. |***Acier doux.**
- *T = Max. Anzugsdrehmoment. |*Geglühtes Kupfer. |**Mittelfestes Kupfer. |***Weichstahl.*
- **T = Par de apriete max. |*Cobre recocido. |**Cobre semiduro. |***Acero dulce.**

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DH 01 CHROME



- **Testa termostatica serie OPTIMA con comando e sensore a espansione di liquido incorporati.**
- *Thermostatic head OPTIMA series with incorporated command and liquid expansion sensor.*
- **Tête thermostatique série OPTIMA avec commande et senseur à expansion de liquide incorporés.**
- *Thermostat-Kopf OPTIMA-Serie mit eingebauten Steuerung und Flüssigkeitsausdehnung Fühler.*
- **Cabeza termostática de la serie OPTIMA con mando y sensor de expansión de líquido incorporados.**

Code	Size	Z	Range	Color	Price	Class	Packaging
530021	M30 x 1,5	< 40 min	6,5-28 °C		37,45 €	RA	1 / 90

DH 01 INOX



- **Testa termostatica serie OPTIMA con comando e sensore a espansione di liquido incorporati.**
- *Thermostatic head OPTIMA series with incorporated command and liquid expansion sensor.*
- **Tête thermostatique série OPTIMA avec commande et senseur à expansion de liquide incorporés.**
- *Thermostat-Kopf OPTIMA-Serie mit eingebauten Steuerung und Flüssigkeitsausdehnung Fühler.*
- **Cabeza termostática de la serie OPTIMA con mando y sensor de expansión de líquido incorporados.**

Code	Size	Z	Range	Color	Price	Class	Packaging
530021INOX	M30 x 1,5	< 40 min	6,5-28 °C		52,03 €	RA	1 / 90

DH 01 WHITE





028

- **Testa termostatica serie OPTIMA con comando e sensore a espansione di liquido incorporati. Isteresi 0,5 K.**
- *Thermostatic head OPTIMA series with incorporated command and liquid expansion sensor. Hysteresis 0.5 K.*
- **Tête thermostatique série OPTIMA avec commande et senseur à expansion de liquide incorporés. Hystérésis 0,5 K.**
- *Thermostat-Kopf OPTIMA-Serie mit eingebauten Steuerung und Flüssigkeitsausdehnung Fühler. Hysterese 0,5 K.*
- **Cabeza termostática de la serie OPTIMA con mando y sensor de expansión de líquido incorporados. Histéresis 0,5 K.**

Code	Size	D	W	Z	Range	Color	Price	Class	Packaging
530021WHITE	M30 x 1,5	0.45 K	0.80 K	10 min	6,5-28 °C		37,45 €	RA	1 / 90

AD 03 M



- **Testa manuale serie OPTIMA.**
- *Manual head OPTIMA series.*
- **Tête manuelle série OPTIMA.**
- *Manueller Hebel OPTIMA-Serie.*
- **Cabeza manual serie OPTIMA.**

Code	Color	Price	Class	Packaging
530033M		10,81 €	RA	40 / 160
530033MINOX		13,46 €	RA	40 / 160
530033MWHITE		10,81 €	RA	40 / 160

AD 03



- **Cappuccio per detentori e valvole H serie OPTIMA.**
- *Cap for lockshields and H valves OPTIMA series.*
- **Capuchon pour tés/coudes de réglage et vannes en H série OPTIMA.**
- *Schutzkappe für Rücklaufventile und H-Thermostatventile OPTIMA-Serie.*
- **Capuchón\ para detentores y válvulas H serie OPTIMA.**

Code	Color	Price	Class	Packaging
530033		10,81 €	RA	40 / 160
530033INOX		13,46 €	RA	40 / 160
530033WHITE		8,78 €	RA	40 / 160

- **D = Influenza della pressione differenziale. W = Effetto della temperatura dell'acqua. Z = Tempo di risposta.**
- *D = Differential pressure influence. W = Water temperature effect. Z = Response time.*
- **D = Influence de la pression différentielle. W = Influence de la temperature de l'eau. Z = Temps de réponse.**
- *D = Einfluß des Differenzialdrucks. W = Wassertemperatureinfluss. Z = Schließzeit.*
- **D = Influencia de la presión diferencial. W = Efecto de la temperatura del agua. Z = Tiempo de respuesta.**

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DF 03



- **Raccordo a stringere M24x1,5 per tubo multistrato serie OPTIMA.**
- *Screw fitting M24x1,5 for multilayer pipe OPTIMA series.*
- **Raccord à serrer M24x1,5 pour tube multicouche série OPTIMA.**
- *Verschraubung M24x1,5 für Verbundrohr OPTIMA-Serie.*
- **Conexión M24x1,5 para tubo multicapa serie OPTIMA.**

Code	Size	Color	Price	Class	Packaging
530046	M24x1,5 x 14/2		4,474 €	RA	40 / 160
530046INOX	M24x1,5 x 14/2		6,78 €	RA	40 / 160
530016	M24x1,5 x 16/2		4,474 €	RA	40 / 160
530016INOX	M24x1,5 x 16/2		6,78 €	RA	40 / 160
530063	M24x1,5 x 16/2,25		4,474 €	RA	40 / 160
530063INOX	M24x1,5 x 16/2,25		6,78 €	RA	40 / 160

DF 02



- **Raccordo a stringere M24x1,5 per tubo in polietilene serie OPTIMA.**
- *Screw fitting M24x1,5 for polyethylene pipe OPTIMA series.*
- **Raccord à serrer M24x1,5 pour tube en polyéthylène série OPTIMA.**
- *Verschraubung M24x1,5 für PEX-Rohr OPTIMA-Serie.*
- **Conexión M24x1,5 para tubo de polietileno serie OPTIMA.**

Code	Size	Color	Price	Class	Packaging
530052	M24x1,5 x 14/2		4,20 €	RA	40 / 160
530052INOX	M24x1,5 x 14/2		6,14 €	RA	40 / 160
530066	M24x1,5 x 16/1,5		4,295 €	RA	40 / 160
530066INOX	M24x1,5 x 16/1,5		6,02 €	RA	40 / 160
530015	M24x1,5 x 16/2		4,45 €	RA	40 / 160
530015INOX	M24x1,5 x 16/2		6,19 €	RA	40 / 160

DF 01



- **Raccordo a stringere M24x1,5 per tubo in rame ed acciaio dolce serie OPTIMA.**
- *Screw fitting M24x1,5 for copper and mild steel pipe OPTIMA series.*
- **Raccord à serrer M24x1,5 pour tube en cuivre et en acier doux série OPTIMA.**
- *Verschraubung M24x1,5 für Kupferrohr und Weichstahlrohr OPTIMA-Serie.*
- **Conexión M24x1,5 para tubo de cobre y acero dulce serie OPTIMA.**

Code	Size	Color	Price	Class	Packaging
530053	M24x1,5 x 10/1		3,904 €	RA	40 / 160
530053INOX	M24x1,5 x 10/1		5,70 €	RA	40 / 160
530047	M24x1,5 x 12/1		4,77 €	RA	40 / 160
530047INOX	M24x1,5 x 12/1		6,62 €	RA	40 / 160
530048	M24x1,5 x 14/1		3,607 €	RA	40 / 160
530048INOX	M24x1,5 x 14/1		5,35 €	RA	40 / 160
530014	M24x1,5 x 15/1		3,963 €	RA	40 / 160
530014INOX	M24x1,5 x 15/1		5,76 €	RA	40 / 160
530049	M24x1,5 x 16/1		3,762 €	RA	40 / 160
530049INOX	M24x1,5 x 16/1		5,58 €	RA	40 / 160

AVK 01



- **Adattatore per serie OPTIMA, detentori serie VK e valvole H.**
- *Adapter for OPTIMA series, VK series lockshields and H valves.*
- **Adaptateur pour sèrie OPTIMA, coudes et tés de réglage série VK et pièces H.**
- *Adapter für Serie OPTIMA, Absperrungen der Serie VK und H-Ventile.*
- **Adaptador para serie OPTIMA, detentores serie VK y válvulas H**

Code	Size	Color	Price	Class	Packaging
500770	EUROK x 1/2" M O-ring		1,996 €	EC	80 / 640

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DV 020



- **Valvola termostatizzabile a squadra con preregolazione serie OPTIMA con attacco maschio.**
- *Angle thermostatic valve with pre-regulation OPTIMA series with male connection.*
- **Robinet thermostatisable équerre avec préréglage série OPTIMA avec embout mâle.**
- *Eck-Thermostatventil mit Voreinstellung OPTIMA Serie mit AG Anschluß.*
- **Válvula termostatizable de escuadra con prerregulación serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530040	M24x1,5 x 1/2" M O-ring	■	43,38 €	RA	1 / 24
530040INOX	M24x1,5 x 1/2" M O-ring	■	54,06 €	RA	1 / 24
530040WHITE	M24x1,5 x 1/2" M O-ring	□	40,67 €	RA	1 / 24

DV 013



- **Valvola termostatizzabile diritta con preregolazione serie OPTIMA con attacco maschio.**
- *Straight thermostatic valve with pre-regulation OPTIMA series with male connection.*
- **Robinet thermostatisable droit avec préréglage série OPTIMA avec embout mâle.**
- *Durchgangs-Thermostatventil mit Voreinstellung OPTIMA Serie mit AG Anschluß.*
- **Válvula termostatizable recta con prerregulación serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530008	M24x1,5 x 1/2" M O-ring	■	44,07 €	RA	1 / 24
530008INOX	M24x1,5 x 1/2" M O-ring	■	54,47 €	RA	1 / 24
530008WHITE	M24x1,5 x 1/2" M O-ring	□	41,09 €	RA	1 / 24

DV 032



- **Valvola termostatizzabile a corpo reverso OPTIMA con attacco maschio.**
- *Reverse thermostatic valve with pre-regulation OPTIMA series with male connection.*
- **Robinet thermostatisable à corps renversé avec préréglage série OPTIMA avec embout mâle.**
- *Reversthermostatventil mit Voreinstellung OPTIMA Serie mit AG Anschluß.*
- **Válvula termostatizable invertida con prerregulación serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530044	M24x1,5 x 1/2" M O-ring	■	50,54 €	RA	1 / 24
530044INOX	M24x1,5 x 1/2" M O-ring	■	60,68 €	RA	1 / 24
530044WHITE	M24x1,5 x 1/2" M O-ring	□	43,38 €	RA	1 / 24



- **È possibile ordinare questi articoli con testa manuale utilizzando il medesimo codice, ma aggiungendo la "M" dopo l'ultima cifra.**
- *It is possible to order these items with manual head; please use the same reference code and add "M" after the last figure.*
- **Il est possible de commander ces articles avec la tête manuelle en utilisant le même code, mais en ajoutant le "M" après le dernier chiffre.**
- *Ausführung mit manueller Hebel verfügbar. Dieselbe o.g. Bestellnummer aber bitte „M" nach der letzten Ziffer hinzufügen.*
- **Puede pedir estos artículos con cabeza manual, con el mismo código y añadiendo la "M" después del último dígito.**

DV 030



- **Detentore a squadra serie OPTIMA con attacco maschio.**
- *Angle lockshield OPTIMA series with male connection.*
- **Coude de réglage équerre série OPTIMA avec embout mâle.**
- *Eck-Rücklaufventil OPTIMA Serie mit AG Anschluß.*
- **Detentor de escuadra serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530041	M24x1,5 x 1/2" M O-ring	■	51,75 €	RA	1 / 24
530041INOX	M24x1,5 x 1/2" M O-ring	■	65,21 €	RA	1 / 24
530041WHITE	M24x1,5 x 1/2" M O-ring	□	47,11 €	RA	1 / 24

DV 023



- **Detentore diritto serie OPTIMA con attacco maschio.**
- *Straight lockshield OPTIMA series with male connection.*
- **Tè de réglage droit série OPTIMA avec embout mâle.**
- *Durchgangs-Rücklaufventil OPTIMA Serie mit AG Anschluß.*
- **Detentor recto serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530009	M24x1,5 x 1/2" M O-ring	■	52,44 €	RA	1 / 24
530009INOX	M24x1,5 x 1/2" M O-ring	■	65,62 €	RA	1 / 24
530009WHITE	M24x1,5 x 1/2" M O-ring	□	47,51 €	RA	1 / 24

DV 042



- **Detentore a corpo reverso serie OPTIMA con attacco maschio.**
- *Reverse lockshield OPTIMA series with male connection.*
- **Coude de réglage à corps renversé série OPTIMA avec embout mâle.**
- *Reversrücklaufventil OPTIMA Serie mit AG Anschluß.*
- **Detentor invertido serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530045	M24x1,5 x 1/2" M O-ring	■	58,92 €	RA	1 / 24
530045INOX	M24x1,5 x 1/2" M O-ring	■	71,83 €	RA	1 / 24
530045WHITE	M24x1,5 x 1/2" M O-ring	□	49,81 €	RA	1 / 24



- **Raccordo per tubo in rame serie OPTIMA >> p. 13**
- *Fitting for copper pipe OPTIMA series >> p. 13*
- **Raccord pour tube en cuivre série OPTIMA >> p. 13**
- *Verschraubung für Kupferrohr OPTIMA-Serie >> p. 13*
- **Conexión para tubo de cobre serie OPTIMA >> p. 13**



- **Raccordo per tubo multistrato serie OPTIMA >> p. 13**
- *Fitting for multilayer pipe OPTIMA series >> p. 13*
- **Raccord pour tube multicouche série OPTIMA >> p. 13**
- *Verschraubung für Verbundrohr OPTIMA-Serie >> p. 13*
- **Conexión para tubo multicapa serie OPTIMA >> p. 13**



- **Raccordo per tubo in polietilene serie OPTIMA >>p. 13**
- *Fitting for polyethylene pipe OPTIMA series >>p. 13*
- **Raccord pour tube en polyéthylène série OPTIMA >>p. 13**
- *Verschraubung für PEX-Rohr OPTIMA-Serie >>p. 13*
- **Conexión para tubo de polietileno serie OPTIMA >>p. 13**

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DV 019



- **Valvola termostatizzabile a squadra con preregolazione serie OPTIMA con attacco femmina.**
- *Angle thermostatic valve with pre-regulation OPTIMA series with female connection.*
- **Robinet thermostatisable équerre avec préréglage série OPTIMA avec embout femelle.**
- *Eck-Thermostatventil mit Voreinstellung OPTIMA Serie mit IG Anschluß.*
- **Válvula termostatizable de escuadra con prerregulación serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530038	1/2" F x 1/2" M O-ring	■	40,00 €	RA	1 / 24
530038INOX	1/2" F x 1/2" M O-ring	■	50,69 €	RA	1 / 24
530038WHITE	1/2" F x 1/2" M O-ring	□	37,30 €	RA	1 / 24

DV 011



- **Valvola termostatizzabile diritta con preregolazione serie OPTIMA con attacco femmina.**
- *Straight thermostatic valve with pre-regulation OPTIMA series with female connection.*
- **Robinet thermostatisable droit avec préréglage série OPTIMA avec embout femelle.**
- *Durchgangs-Thermostatventil mit Voreinstellung OPTIMA Serie mit IG Anschluß.*
- **Válvula termostatizable recta con prerregulación serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530024	1/2" F x 1/2" M O-ring	■	40,67 €	RA	1 / 24
530024INOX	1/2" F x 1/2" M O-ring	■	51,09 €	RA	1 / 24
530024WHITE	1/2" F x 1/2" M O-ring	□	37,71 €	RA	1 / 24

DV 031



- **Valvola termostatizzabile a corpo reverso con preregolazione serie OPTIMA con attacco femmina.**
- *Reverse thermostatic valve with pre-regulation OPTIMA series with female connection.*
- **Robinet thermostatisable à corps renversé avec préréglage série OPTIMA avec embout femelle.**
- *Reversthermostatventil mit Voreinstellung OPTIMA Serie mit IG Anschluß.*
- **Válvula termostatizable invertida con prerregulación serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530042	1/2" F x 1/2" M O-ring	■	47,17 €	RA	1 / 24
530042INOX	1/2" F x 1/2" M O-ring	■	57,31 €	RA	1 / 24
530042WHITE	1/2" F x 1/2" M O-ring	□	40,00 €	RA	1 / 24



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- **Puede pedir estos artículos con cabeza manual, con el mismo código y añadiendo la "M" después del último dígito.**

DV 029



- **Detentore a squadra serie OPTIMA con attacco femmina.**
- *Angle lockshield OPTIMA series with female connection.*
- **Coude de réglage équerre série OPTIMA avec embout femelle.**
- *Eck-Rücklaufventil OPTIMA Serie mit IG Anschluß.*
- **Detentor de escuadra serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530039	1/2" F x 1/2" M O-ring	■	48,39 €	RA	1 / 24
530039INOX	1/2" F x 1/2" M O-ring	■	61,83 €	RA	1 / 24
530039WHITE	1/2" F x 1/2" M O-ring	□	43,72 €	RA	1 / 24

DV 021



- **Detentore diritto serie OPTIMA con attacco femmina.**
- *Straight lockshield OPTIMA series with female connection.*
- **Tè de réglage droit série OPTIMA avec embout femelle.**
- *Durchgangs-Rücklaufventil OPTIMA Serie mit IG Anschluß.*
- **Detentor recto serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530025	1/2" F x 1/2" M O-ring	■	49,05 €	RA	1 / 24
530025INOX	1/2" F x 1/2" M O-ring	■	62,23 €	RA	1 / 24
530025WHITE	1/2" F x 1/2" M O-ring	□	44,13 €	RA	1 / 24

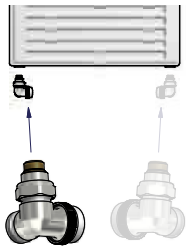
DV 041



- **Detentore a corpo reverso serie OPTIMA con attacco femmina.**
- *Reverse lockshield OPTIMA series with female connection.*
- **Coude de réglage à corps renversé série OPTIMA avec embout femelle.**
- *Reversrücklaufventil OPTIMA Serie mit IG Anschluß.*
- **Detentor invertido serie OPTIMA con conexión hembra**

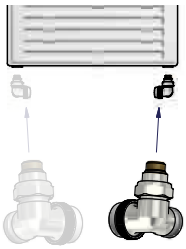
Code	Size	Color	Price	Class	Packaging
530043	1/2" F x 1/2" M O-ring	■	55,55 €	RA	1 / 24
530043INOX	1/2" F x 1/2" M O-ring	■	68,44 €	RA	1 / 24
530043WHITE	1/2" F x 1/2" M O-ring	□	46,43 €	RA	1 / 24

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DV 018



- **Valvola termostatizzabile coassiale sinistra con preregolazione serie OPTIMA con attacco maschio.**
- *Co-axial left thermostatic valve with pre-regulation OPTIMA series with male connection.*
- **Robinet thermostatisable coaxial gauche avec préréglage série OPTIMA avec embout mâle.**
- *Koaxiales Thermostatventil links mit Voreinstellung OPTIMA Serie mit AG Anschluß.*
- **Válvula termostatizable coaxial izquierda con prerregulación serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530012	M24x1,5 x 1/2" M O-ring	■	48,53 €	RA	1 / 24
530012INOX	M24x1,5 x 1/2" M O-ring	■	59,87 €	RA	1 / 24
530012WHITE	M24x1,5 x 1/2" M O-ring	□	44,86 €	RA	1 / 24

DV 017



- **Valvola termostatizzabile coassiale sinistra con preregolazione serie OPTIMA con attacco femmina.**
- *Co-axial left thermostatic valve with pre-regulation OPTIMA series with female connection.*
- **Robinet thermostatisable coaxial gauche avec préréglage série OPTIMA avec embout femelle.**
- *Koaxiales Thermostatventil links mit Voreinstellung OPTIMA Serie mit IG Anschluß.*
- **Válvula termostatizable coaxial izquierda con prerregulación serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530028	1/2" F x 1/2" M O-ring	■	45,13 €	RA	1 / 24
530028INOX	1/2" F x 1/2" M O-ring	■	56,49 €	RA	1 / 24
530028WHITE	1/2" F x 1/2" M O-ring	□	41,49 €	RA	1 / 24



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DV 026



- **Detentore coassiale destro serie OPTIMA con attacco maschio.**
- *Co-axial right lockshield OPTIMA series with male connection.*
- **Raccord de réglage coaxial droit série OPTIMA avec embout mâle.**
- *Koaxiales Rücklaufventil rechts OPTIMA Serie mit AG Anschluß.*
- **Detentor coaxial derecho serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530011	M24x1,5 x 1/2" M O-ring	■	56,90 €	RA	1 / 24
530011INOX	M24x1,5 x 1/2" M O-ring	■	71,01 €	RA	1 / 24
530011WHITE	M24x1,5 x 1/2" M O-ring	□	51,29 €	RA	1 / 24

DV 025



- **Detentore coassiale destro serie OPTIMA con attacco femmina.**
- *Co-axial right lockshield OPTIMA series with female connection.*
- **Raccord de réglage coaxial droit série OPTIMA avec embout femelle.**
- *Koaxiales Rücklaufventil rechts OPTIMA Serie mit IG Anschluß.*
- **Detentor coaxial derecho serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530027	1/2" F x 1/2" M O-ring	■	53,52 €	RA	1 / 24
530027INOX	1/2" F x 1/2" M O-ring	■	67,64 €	RA	1 / 24
530027WHITE	1/2" F x 1/2" M O-ring	□	47,91 €	RA	1 / 24



- **Raccordo per tubo in rame serie OPTIMA >> p. 13**
- *Fitting for copper pipe OPTIMA series >> p. 13*
- **Raccord pour tube en cuivre série OPTIMA >> p. 13**
- *Verschraubung für Kupferrohr OPTIMA-Serie >> p. 13*
- **Conexión para tubo de cobre serie OPTIMA >> p. 13**

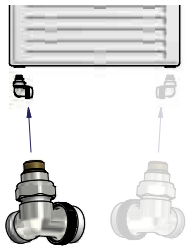


- **Raccordo per tubo multistrato serie OPTIMA >> p. 13**
- *Fitting for multilayer pipe OPTIMA series >> p. 13*
- **Raccord pour tube multicouche série OPTIMA >> p. 13**
- *Verschraubung für Verbundrohr OPTIMA-Serie >> p. 13*
- **Conexión para tubo multicapa serie OPTIMA >> p. 13**



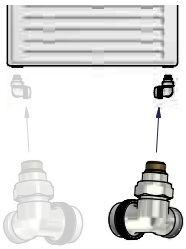
- **Raccordo per tubo in polietilene serie OPTIMA >>p. 13**
- *Fitting for polyethylene pipe OPTIMA series >>p. 13*
- **Raccord pour tube en polyéthylène série OPTIMA >>p. 13**
- *Verschraubung für PEX-Rohr OPTIMA-Serie >>p. 13*
- **Conexión para tubo de polietileno serie OPTIMA >>p. 13**

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DV 028



- **Detentore coassiale sinistro serie OPTIMA con attacco maschio.**
- *Co-axial left lockshield OPTIMA series with male connection.*
- **Raccord de réglage coaxial gauche série OPTIMA avec embout mâle.**
- *Koaxiales Rücklaufventil links OPTIMA Serie mit AG Anschluß.*
- **Detentor coaxial izquierdo serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530013	M24x1,5 x 1/2" M O-ring	■	56,90 €	RA	1 / 24
530013INOX	M24x1,5 x 1/2" M O-ring	■	71,01 €	RA	1 / 24
530013WHITE	M24x1,5 x 1/2" M O-ring	□	51,29 €	RA	1 / 24

DV 027



- **Detentore coassiale sinistro serie OPTIMA con attacco femmina.**
- *Co-axial left lockshield OPTIMA series with female connection.*
- **Raccord de réglage coaxial gauche série OPTIMA avec embout femelle.**
- *Koaxiales Rücklaufventil links OPTIMA Serie mit IG Anschluß.*
- **Detentor coaxial izquierdo serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530029	1/2" F x 1/2" M O-ring	■	53,52 €	RA	1 / 24
530029INOX	1/2" F x 1/2" M O-ring	■	67,64 €	RA	1 / 24
530029WHITE	1/2" F x 1/2" M O-ring	□	47,91 €	RA	1 / 24

DV 016



- **Valvola termostatizzabile coassiale destra con preregolazione serie OPTIMA con attacco maschio.**
- *Co-axial right thermostatic valve with pre-regulation OPTIMA series with male connection.*
- **Robinet thermostatisable coaxial droit avec préréglage série OPTIMA avec embout mâle.**
- *Koaxiales Thermostatventil rechts mit Voreinstellung OPTIMA Serie mit AG Anschluß.*
- **Válvula termostatizable coaxial derecha con prerregulación serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530010	M24x1,5 x 1/2" M O-ring	■	48,53 €	RA	1 / 24
530010INOX	M24x1,5 x 1/2" M O-ring	■	59,87 €	RA	1 / 24
530010WHITE	M24x1,5 x 1/2" M O-ring	□	44,86 €	RA	1 / 24

DV 015



- **Valvola termostatizzabile coassiale destra con preregolazione serie OPTIMA con attacco femmina.**
- *Co-axial right thermostatic valve with pre-regulation OPTIMA series with female connection.*
- **Robinet thermostatisable coaxial droit avec préréglage série OPTIMA avec embout femelle.**
- *Koaxiales Thermostatventil rechts mit Voreinstellung OPTIMA Serie mit IG Anschluß.*
- **Válvula termostatizable coaxial derecha con prerregulación serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530026	1/2" F x 1/2" M O-ring	■	45,13 €	RA	1 / 24
530026INOX	1/2" F x 1/2" M O-ring	■	56,49 €	RA	1 / 24
530026WHITE	1/2" F x 1/2" M O-ring	□	41,49 €	RA	1 / 24



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- **Raccordo per tubo in rame serie OPTIMA >> p. 13**
- *Fitting for copper pipe OPTIMA series >> p. 13*
- **Raccord pour tube en cuivre série OPTIMA >> p. 13**
- *Verschraubung für Kupferrohr OPTIMA-Serie >> p. 13*
- **Conexión para tubo de cobre serie OPTIMA >> p. 13**



- **Raccordo per tubo multistrato serie OPTIMA >> p. 13**
- *Fitting for multilayer pipe OPTIMA series >> p. 13*
- **Raccord pour tube multicouche série OPTIMA >> p. 13**
- *Verschraubung für Verbundrohr OPTIMA-Serie >> p. 13*
- **Conexión para tubo multicapa serie OPTIMA >> p. 13**



- **Raccordo per tubo in polietilene serie OPTIMA >>p. 13**
- *Fitting for polyethylene pipe OPTIMA series >>p. 13*
- **Raccord pour tube en polyéthylène série OPTIMA >>p. 13**
- *Verschraubung für PEX-Rohr OPTIMA-Serie >>p. 13*
- **Conexión para tubo de polietileno serie OPTIMA >>p. 13**

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DV 104



- **Valvola H termostatizzabile bitubo per alimentazione a parete con preregolazione serie OPTIMA con attacco maschio.**
- *Double pipe H thermostatic valve for wall delivery with pre-regulation OPTIMA series with male connection.*
- **Pièce H thermostatisable bitube pour alimentation murale avec préréglage série OPTIMA avec embout mâle.**
- *Zweirohr-H-Thermostatventil Eckform mit Voreinstellung OPTIMA Serie mit AG Anschluß.*
- **Válvula H termostatizable bitubo para alimentación en pared con prerregulación serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530007	M24x1,5 x 1/2" M O-ring	■	97,85 €	RA	1 / 14
530007INOX	M24x1,5 x 1/2" M O-ring	■	119,87 €	RA	1 / 14
530007WHITE	M24x1,5 x 1/2" M O-ring	□	90,82 €	RA	1 / 14

DV 103



- **Valvola H termostatizzabile bitubo per alimentazione a pavimento con preregolazione serie OPTIMA con attacco maschio.**
- *Double pipe H thermostatic valve for floor delivery with pre-regulation OPTIMA series with male connection.*
- **Pièce H thermostatisable bitube pour alimentation au sol avec préréglage série OPTIMA avec embout mâle.**
- *Zweirohr-H-Thermostatventil Durchgangsform mit Voreinstellung OPTIMA Serie mit AG Anschluß.*
- **Válvula H termostatizable bitubo para alimentación en suelo con prerregulación serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530005	M24x1,5 x 1/2" M O-ring	■	96,37 €	RA	1 / 14
530005INOX	M24x1,5 x 1/2" M O-ring	■	116,36 €	RA	1 / 14
530005WHITE	M24x1,5 x 1/2" M O-ring	□	91,63 €	RA	1 / 14

DV 104 B



- **Valvola H termostatizzabile mono/bitubo (con bypass regolabile 50-100%) per alimentazione a parete con preregolazione serie OPTIMA con attacco maschio.**
- *Single/double pipe H thermostatic valve (with adjustable bypass 50-100%) for wall delivery with pre-regulation OPTIMA series with male connection.*
- **Pièce H thermostatisable mono/bitube (avec bypass réglable 50-100%) pour alimentation murale avec préréglage série OPTIMA avec embout mâle.**
- *Ein-/Zweirohr-H-Thermostatventil (mit regelbarer Bypass 50-100%) Eckform mit Voreinstellung OPTIMA Serie mit AG Anschluß.*
- **Válvula H termostatizable mono/bitubo (con bypass ajustable 50-100%) para alimentación en pared con prerregulación serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530007B	M24x1,5 x 1/2" M O-ring	■	103,93 €	RA	1 / 14
530007INOXB	M24x1,5 x 1/2" M O-ring	■	125,96 €	RA	1 / 14
530007WHITEB	M24x1,5 x 1/2" M O-ring	□	96,90 €	RA	1 / 14

DV 103 B



- **Valvola H termostatizzabile mono/bitubo (con bypass regolabile 50-100%) per alimentazione a pavimento con preregolazione serie OPTIMA con attacco maschio.**
- *Single/double pipe H thermostatic valve (with adjustable bypass 50-100%) for floor delivery with pre-regulation OPTIMA series with male connection.*
- **Pièce H thermostatisable mono/bitube (avec bypass réglable 50-100%) pour alimentation au sol avec préréglage série OPTIMA avec embout mâle.**
- *Ein-/Zweirohr-H-Thermostatventil (mit regelbarer Bypass 50-100%) Durchgangsform mit Voreinstellung OPTIMA Serie mit AG Anschluß.*
- **Válvula H termostatizable mono/bitubo (con bypass ajustable 50-100%) para alimentación en suelo con prerregulación serie OPTIMA con conexión macho.**

Code	Size	Color	Price	Class	Packaging
530005B	M24x1,5 x 1/2" M O-ring	■	102,45 €	RA	1 / 14
530005INOXB	M24x1,5 x 1/2" M O-ring	■	122,45 €	RA	1 / 14
530005WHITEB	M24x1,5 x 1/2" M O-ring	□	97,71 €	RA	1 / 14



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- **Raccordo per tubo in rame serie OPTIMA >> p. 13**
- *Fitting for copper pipe OPTIMA series >> p. 13*
- **Raccord pour tube en cuivre série OPTIMA >> p. 13**
- *Verschraubung für Kupferrohr OPTIMA-Serie >> p. 13*
- **Conexión para tubo de cobre serie OPTIMA >> p. 13**



- **Raccordo per tubo multistrato serie OPTIMA >> p. 13**
- *Fitting for multilayer pipe OPTIMA series >> p. 13*
- **Raccord pour tube multicouche série OPTIMA >> p. 13**
- *Verschraubung für Verbundrohr OPTIMA-Serie >> p. 13*
- **Conexión para tubo multicapa serie OPTIMA >> p. 13**



- **Raccordo per tubo in polietilene serie OPTIMA >>p. 13**
- *Fitting for polyethylene pipe OPTIMA series >>p. 13*
- **Raccord pour tube en polyéthylène série OPTIMA >>p. 13**
- *Verschraubung für PEX-Rohr OPTIMA-Serie >>p. 13*
- **Conexión para tubo de polietileno serie OPTIMA >>p. 13**

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DV 102



- **Valvola H termostatizzabile bitubo per alimentazione a parete con preregolazione serie OPTIMA con attacco femmina.**
- *Double pipe H thermostatic valve for wall delivery with pre-regulation OPTIMA series with female connection.*
- **Pièce H thermostatisable bitube pour alimentation murale avec préréglage série OPTIMA avec embout femelle.**
- *Zweirohr-H-Thermostatventil Eckform mit Voreinstellung OPTIMA Serie mit IG Anschluß.*
- **Válvula H termostatizable bitubo para alimentación en pared con prerregulación serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530006	1/2" F x 1/2" M O-ring	■	91,09 €	RA	1 / 14
530006INOX	1/2" F x 1/2" M O-ring	■	113,12 €	RA	1 / 14
530006WHITE	1/2" F x 1/2" M O-ring	□	84,06 €	RA	1 / 14

DV 101



- **Valvola H termostatizzabile bitubo per alimentazione a pavimento con preregolazione serie OPTIMA con attacco femmina.**
- *Double pipe H thermostatic valve for floor delivery with pre-regulation OPTIMA series with female connection.*
- **Pièce H thermostatisable bitube pour alimentation au sol avec préréglage série OPTIMA avec embout femelle.**
- *Zweirohr-H-Thermostatventil Durchgangsform mit Voreinstellung OPTIMA Serie mit IG Anschluß.*
- **Válvula H termostatizable bitubo para alimentación en suelo con prerregulación serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530004	1/2" F x 1/2" M O-ring	■	89,61 €	RA	1 / 14
530004INOX	1/2" F x 1/2" M O-ring	■	109,61 €	RA	1 / 14
530004WHITE	1/2" F x 1/2" M O-ring	□	84,89 €	RA	1 / 14

DV 102 B



- **Valvola H termostatizzabile mono/bitubo (con bypass regolabile 50-100%) per alimentazione a parete con preregolazione serie OPTIMA con attacco femmina.**
- *Single/double pipe H thermostatic valve (with adjustable bypass 50-100%) for wall delivery with pre-regulation OPTIMA series with female connection.*
- **Pièce H thermostatisable mono/bitube (avec bypass réglable 50-100%) pour alimentation murale avec préréglage série OPTIMA avec embout femelle.**
- *Ein-/Zweirohr-H-Thermostatventil (mit regelbarer Bypass 50-100%) Eckform mit Voreinstellung OPTIMA Serie mit IG Anschluß.*
- **Válvula H termostatizable mono/bitubo (con bypass ajustable 50-100%) para alimentación en pared con prerregulación serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530006B	1/2" F x 1/2" M O-ring	■	97,18 €	RA	1 / 14
530006INOXB	1/2" F x 1/2" M O-ring	■	119,20 €	RA	1 / 14
530006WHITEB	1/2" F x 1/2" M O-ring	□	90,14 €	RA	1 / 14

DV 101 B



- **Valvola H termostatizzabile mono/bitubo (con bypass regolabile 50-100%) per alimentazione a pavimento con preregolazione serie OPTIMA con attacco femmina.**
- *Single/double pipe H thermostatic valve (with adjustable bypass 50-100%) for floor delivery with pre-regulation OPTIMA series with female connection.*
- **Pièce H thermostatisable mono/bitube (avec bypass réglable 50-100%) pour alimentation au sol avec préréglage série OPTIMA avec embout femelle.**
- *Ein-/Zweirohr-H-Thermostatventil (mit regelbarer Bypass 50-100%) Durchgangsform mit Voreinstellung OPTIMA Serie mit IG Anschluß.*
- **Válvula H termostatizable mono/bitubo (con bypass ajustable 50-100%) para alimentación en suelo con prerregulación serie OPTIMA con conexión hembra.**

Code	Size	Color	Price	Class	Packaging
530004B	1/2" F x 1/2" M O-ring	■	95,69 €	RA	1 / 14
530004INOXB	1/2" F x 1/2" M O-ring	■	115,69 €	RA	1 / 14
530004WHITEB	1/2" F x 1/2" M O-ring	□	90,95 €	RA	1 / 14



- **È possibile ordinare questi articoli con testa manuale utilizzando il medesimo codice, ma aggiungendo la "M" dopo l'ultima cifra.**
- *It is possible to order these items with manual head; please use the same reference code and add "M" after the last figure.*
- **Il est possible de commander ces articles avec la tête manuelle en utilisant le même code, mais en ajoutant le "M" après le dernier chiffre.**
- *Ausführung mit manueller Hebel verfügbar. Dieselbe o.g. Bestellnummer aber bitte „M" nach der letzten Ziffer hinzufügen.*
- **Puede pedir estos artículos con cabeza manual, con el mismo código y añadiendo la "M" después del último dígito.**

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AD 02



- **Mostrina singola in ABS serie OPTIMA (in 2 pezzi).**
- *ABS single plate OPTIMA series (in 2 pieces) .*
- **Rosace single en ABS série OPTIMA (en 2 pièces).**
- *Einzelne Abdeckmanschette aus ABS OPTIMA-Serie (in 2 Stücke).*
- **Embellecedor simple de ABS serie OPTIMA (en 2 piezas).**

Code	Size	Color	Price	Class	Packaging
530031	Ø15	■	6,95 €	RA	40 / 160

AD 01



- **Mostrina doppia in ABS serie OPTIMA (in 2 pezzi).**
- *ABS double plate OPTIMA series (in 2 pieces) .*
- **Rosace double en ABS série OPTIMA (en 2 pièces).**
- *Doppelte Abdeckmanschette aus ABS OPTIMA-Serie (in 2 Stücke).*
- **Plafón embellecedor doble de ABS serie OPTIMA (en 2 piezas).**

Code	Size	OC distance	Color	Price	Class	Packaging
530030	Ø15	50 mm	■	4,853 €	RA	20 / 80

AD 06



- **Kit copritubo serie OPTIMA completo con mostrine singole in ottone.**
- *Complete pipe covering kit OPTIMA series with brass single plates.*
- **Kit couvre-tube série OPTIMA complet avec rosaces singles en laiton.**
- *Völlständiges Rohrdeckungsset OPTIMA-Serie mit einzel Abdeckmanschetten aus Messing.*
- **Conjunto cubre-tubo serie OPTIMA completo de embellecedores simples en latón.**

Code	Size	Color	Price	Class	Packaging
530061	Ø18 x 70 mm	■	40,00 €	RA	1
530061WHITE	Ø18 x 70 mm	□	43,92 €	RA	1
530062	Ø18 x 160 mm	■	43,25 €	RA	1
530062WHITE	Ø18 x 160 mm	□	57,31 €	RA	1

AD 05



- **Kit copritubo serie OPTIMA completo con mostrina doppia in ottone.**
- *Complete pipe covering kit OPTIMA series with brass double plate.*
- **Kit couvre-tube série OPTIMA complet avec rosace double en laiton.**
- *Völlständiges Rohrdeckungsset OPTIMA-Serie mit doppelter Abdeckmanschette aus Messing.*
- **Conjunto cubre-tubo serie OPTIMA completo de embellecedor doble (en latón).**

Code	Size	OC distance	Color	Price	Class	Packaging
530059	Ø18 x 70 mm	50 mm	■	64,09 €	RA	1
530059WHITE	Ø18 x 70 mm	50 mm	□	70,58 €	RA	1
530060	Ø18 x 160 mm	50 mm	■	72,08 €	RA	1
530060WHITE	Ø18 x 160 mm	50 mm	□	79,42 €	RA	1

AD 04



- **Mostrina singola in ottone serie OPTIMA.**
- *Brass single plate OPTIMA series.*
- **Rosace single en laiton série OPTIMA.**
- *Einzelne Abdeckmanschette aus Messing OPTIMA-Serie.*
- **Embellecedor simple en latón serie OPTIMA.**

Code	Size	Color	Price	Class	Packaging
530055	Ø10	■	5,61 €	RA	1
530055WHITE	Ø10	□	7,03 €	RA	1
530056	Ø12	■	5,61 €	RA	1
530056WHITE	Ø12	□	7,03 €	RA	1
530057	Ø14	■	5,61 €	RA	1
530057WHITE	Ø14	□	7,03 €	RA	1
530058	Ø16	■	5,61 €	RA	1
530058WHITE	Ø16	□	7,03 €	RA	1

RR 702 OPTIMA



- **Tubo di raccordo in rame serie OPTIMA.**
- *Copper connection pipe OPTIMA series*
- **Tube de raccord en cuivre série OPTIMA.**
- *Verbindungsrhor aus Kupfer OPTIMA-Serie.*
- **Tubo de conexión de cobre serie OPTIMA.**

Code	Size	Color	Price	Class	Packaging
530032	Ø15 x 1/2" x 140 mm	■	10,34 €	RA	35 / 140
530032INOX	Ø15 x 1/2" x 140 mm	■	15,54 €	RA	35 / 140
530032WHITE	Ø15 x 1/2" x 140 mm	□	12,37 €	RA	35 / 140

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THERMOSTATIC HEADS

The thermostat heads are mechanical devices for automatic control of the water flow to heating units, thanks to a heat-sensitive element that reacts to the variations in the room temperature.
A wide range of IVAR thermostatic valve models bear the mark Keymark EN 215, which guarantees conformity of the low thermal inertia system (response time < 40 min). The same systems are accompanied by the TELL energy label. Eurovent Certita certification is also available for numerous thermostatic valves with the T 5000 head.
The heads in the 5000 series are fitted with a liquid element and offer the possibility of limiting and blocking settings. They can also be selected with remote sensors to avoid the problem of obstacles in front of the radiator, and ensure optimal detection of the room temperature.
T 1500 head has a compact size and a simple line; it is particularly suitable to regulate water flow to the radiator when detection of ambient temperature does not need to be remote controlled.

Materials
Knob and body: ABS
Thermostat: liquid expansion

Technical specifications
Max. fluid temperature inside valve: 100 °C
Parameters according to EN 215 (T 5000 only)
- Hysteresis: 0.5 K
- Influence of pressure differential D: 0.25 K
- Effect of water temperature W: 0.75 K

Response time Z: 30 min (T 5000); 28 min (T 5005); < 40 min (others)
Control accuracy CA (T 5005 only): 0.2 K

PLUS

- **No temperature imbalances in rooms**
- **Better regulation accuracy**
- **Lowered return temperature, with a significant increase of condensing boiler efficiency**
- **Available with anti-tamper ring nut and temperature limitation/lock functions FOCUS 1**
- **Liquid expansion sensor FOCUS 2**



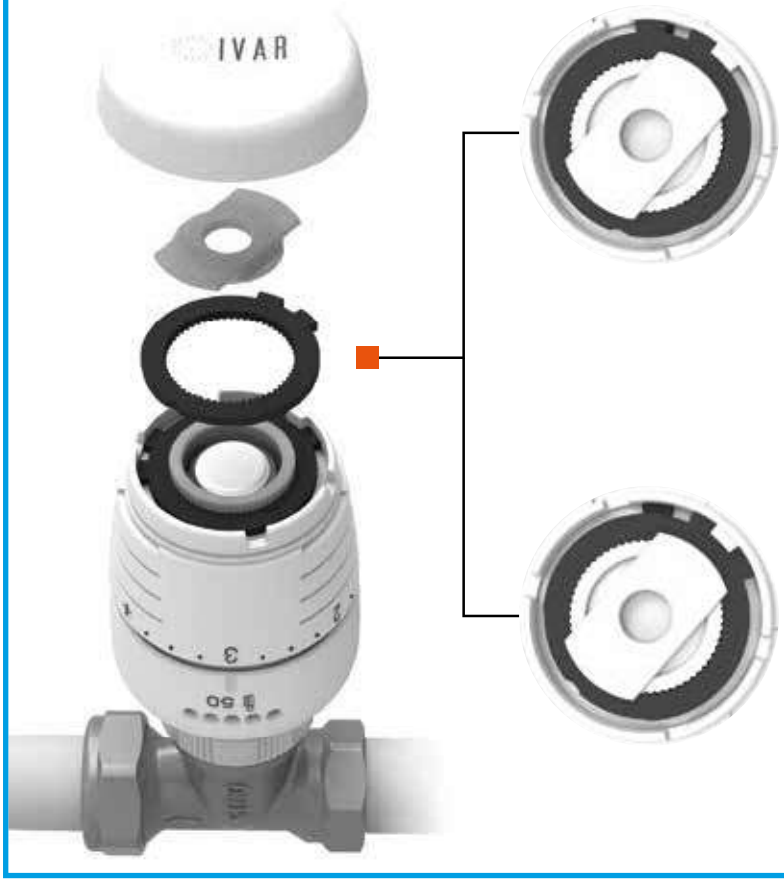
T 1500
Available with connection
- **M30 × 1,5**
- **M28 × 1,5** NEW



All IVAR thermostatic heads ARE AVAILABLE ON REQUEST WITH M28 × 1.5 CONNECTION

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FOCUS 1: Temperature limitation and lock



Temperature limitation

Temperature lock

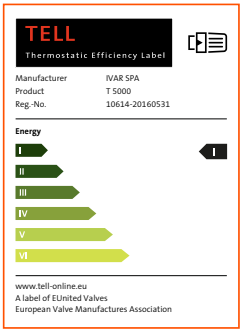
FOCUS 2: Liquid expansion sensor

T 5000

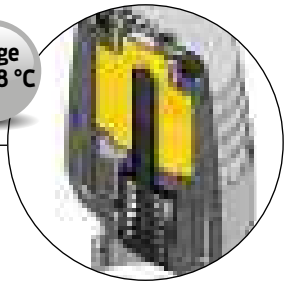


Eurovent Certita

028



Range 6,5-28 °C



LIQUID SENSOR

Sensitive element that reacts to the variations in room temperature (expanding or retracting) to activate movement of the shutter rod. The thrust on closure is applied thanks to expansion of the sensor element, while the thrust on closure is applied by a counter-spring.

Available with remote capillary sensor

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T 5000



- **Testa termostatica con comando e sensore a espansione di liquido incorporati. Isteresi 0,5 K.**
- *Thermostatic head with incorporated command and liquid expansion sensor. Hysteresis 0.5 K.*
- **Tête thermostatique avec commande et senseur à expansion de liquide incorporés. Hystérésis 0,5 K.**
- *Thermostat-Kopf mit eingebauten Steuerung und Flüssigkeitsausdehnung Fühler. Hysterese 0,5 K.*
- **Cabeza termostática con mando y sensor de expansión de líquido incorporados. Histéresis 0,5 K.**



028

Code	Size	D	W	Z	Range	Color	Price	Class	Packaging
501172	M30 x 1,5	0.25 K	0.75 K	30 min	6,5-28 °C		18,10 €	AA	10 / 80

T 5000 CHROME



- **Testa termostatica con comando e sensore a espansione di liquido incorporati.**
- *Thermostatic head with incorporated command and liquid expansion sensor.*
- **Tête thermostatique avec commande et senseur à expansion de liquide incorporés.**
- *Thermostat-Kopf mit eingebauten Steuerung und Flüssigkeitsausdehnung Fühler.*
- **Cabeza termostática con mando y sensor de expansión de líquido incorporados.**

Code	Size	Z	Range	Color	Price	Class	Packaging
501172C	M30 x 1,5	< 40 min	6,5-28 °C		42,57 €	AA	10 / 80

T 5005



- **Testa termostatica con comando e sensore a espansione di liquido incorporati. Isteresi 0,4 K; precisione del controllo (CA) 0,2 K.**
- *Thermostatic head with incorporated command and liquid expansion sensor. Hysteresis 0.4 K; control accuracy (CA) 0.2 K.*
- **Tête thermostatique avec commande et senseur à expansion de liquide incorporés. Hystérésis 0,4 K; précision de contrôle (CA) 0,2 K.**
- *Thermostat-Kopf mit eingebauten Steuerung und Flüssigkeitsausdehnung Fühler. Hysterese 0,4 K; Regelgenauigkeit (CA) 0,2 K.*
- **Cabeza termostática con mando y sensor de expansión de líquido incorporados. Histéresis 0,5 K; precisión de control (CA) 0,2 K.**



028

Code	Size	D	W	Z	Range	Color	Price	Class	Packaging
591142	M30 x 1,5	0.30 K	0.45 K	28 min	6,5-28 °C		29,05 €	AA	10 / 80

T 1500



- **Testa termostatica con comando e sensore a espansione di liquido incorporati.**
- *Thermostatic head with incorporated command and liquid expansion sensor.*
- **Tête thermostatique avec commande et senseur à expansion de liquide incorporés.**
- *Thermostat-Kopf mit eingebauten Steuerung und Flüssigkeitsausdehnung Fühler.*
- **Cabeza termostática con mando y sensor de expansión de líquido incorporados.**

Code	Size	Z	Range	Color	Price	Class	Packaging
502843	M28 x 1,5	< 40 min	6,5-28 °C		14,50 €	AA	16 / 128
502841	M30 x 1,5	< 40 min	6,5-28 °C		14,50 €	AA	16 / 128

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T 5010



- **Testa termostatica con comando incorporato e sensore remoto a parete.**
- *Thermostatic head with incorporated command and remote wall sensor.*
- **Tête thermostatique avec commande incorporée et senseur à distance mural.**
- *Thermostat-Kopf mit eingebauter Steuerung und Wand-Fernfühler.*
- **Cabeza termostática con mando incorporado y sensor remoto de pared.**

Code	Size	Z	Range	Length	Price	Class	Packaging
501173	M30 x 1,5	< 40 min	6,5-28 °C	2 m	48,48 €	AA	5 / 40
501174	M30 x 1,5	< 40 min	6,5-28 °C	5 m	55,13 €	AA	5 / 40

T 5020



- **Testa termostatica con comando e sensore remoti.**
- *Thermostatic head with remote command and sensor.*
- **Tête thermostatique avec commande et senseur à distance.**
- *Thermostat-Kopf mit Fernsteuerung und Fernfühler.*
- **Cabeza termostática con mando y sensor remotos.**

Code	Size	Z	Range	Length	Price	Class	Packaging
501177	M30 x 1,5	< 40 min	6,5-28 °C	2 m	67,45 €	AA	3 / 24
501178	M30 x 1,5	< 40 min	6,5-28 °C	5 m	75,68 €	AA	3 / 24

T 5030



- **Testa termostatica con sensore remoto e comando ad incasso.**
- *Thermostatic head with remote sensor and concealed command.*
- **Tête thermostatique avec senseur à distance commande d'encaissement.**
- *Thermostat-Kopf mit Fernfühler und UP-Steuerung.*
- **Cabeza termostática con sensor remoto y mando empotrable.**

Code	Size	Z	Range	Length	Price	Class	Packaging
501179	M30 x 1,5	< 40 min	6,5-28 °C	2 m	65,25 €	AA	2 / 16
501180	M30 x 1,5	< 40 min	6,5-28 °C	5 m	73,78 €	AA	2 / 16

AT 0001



- **Fascetta antifurto per teste termostatiche serie T 3000 e serie T 5000.**
- *Anti-theft clamp for thermostatic heads T 5000 series and T 3000 series.*
- **Collier antivol pour têtes thermostatiques série T 5000 et série T 3000.**
- *Diebstahlsicherungs-Manschette für Thermostat-Köpfe Serie T 5000 serie und Serie T 3000.*
- **Abrazadera antirrobo para cabezas termostáticas serie T 3000 y serie T 5000.**

Code	Price	Class	Packaging
500250	0,653 €	AE	75 / 600

AT 0001E



- **Fascetta antifurto per T 1000, T 1500 e AS 1010.**
- *Anti-theft clamp for T 1000, T 1500 and AS 1010.*
- **Collier antivol pour T 1000, T 1500 et AS 1010.**
- *Diebstahlsicherungs-Manschette für T 1000, T 1500 und AS 1010.*
- **Abrazadera antirrobo para T 1000, T 1500 y AS 1010.**

Code	Price	Class	Packaging
500506	1,519 €	AE	30 / 240

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HARMONIA

A thermostatic valve regulates the ambient temperature and modulates the flow rate in the radiator: when the room temperature is close to the required value, the flow rate in the radiator is reduced, down to very low values. Systems with thermostatic valves are therefore variable flow rate versions.
In a centralised system, how is it possible to distribute the correct flow rate to radiators even with partial loads? In these cases, dynamic balancing valves are often installed at the base of the distribution columns, known as differential pressure balancers. To install this valve, the following is required:

- the location of the distribution columns;
- guaranteed clearance for installation at the base of the distribution column;
- after installation, precise calibration.

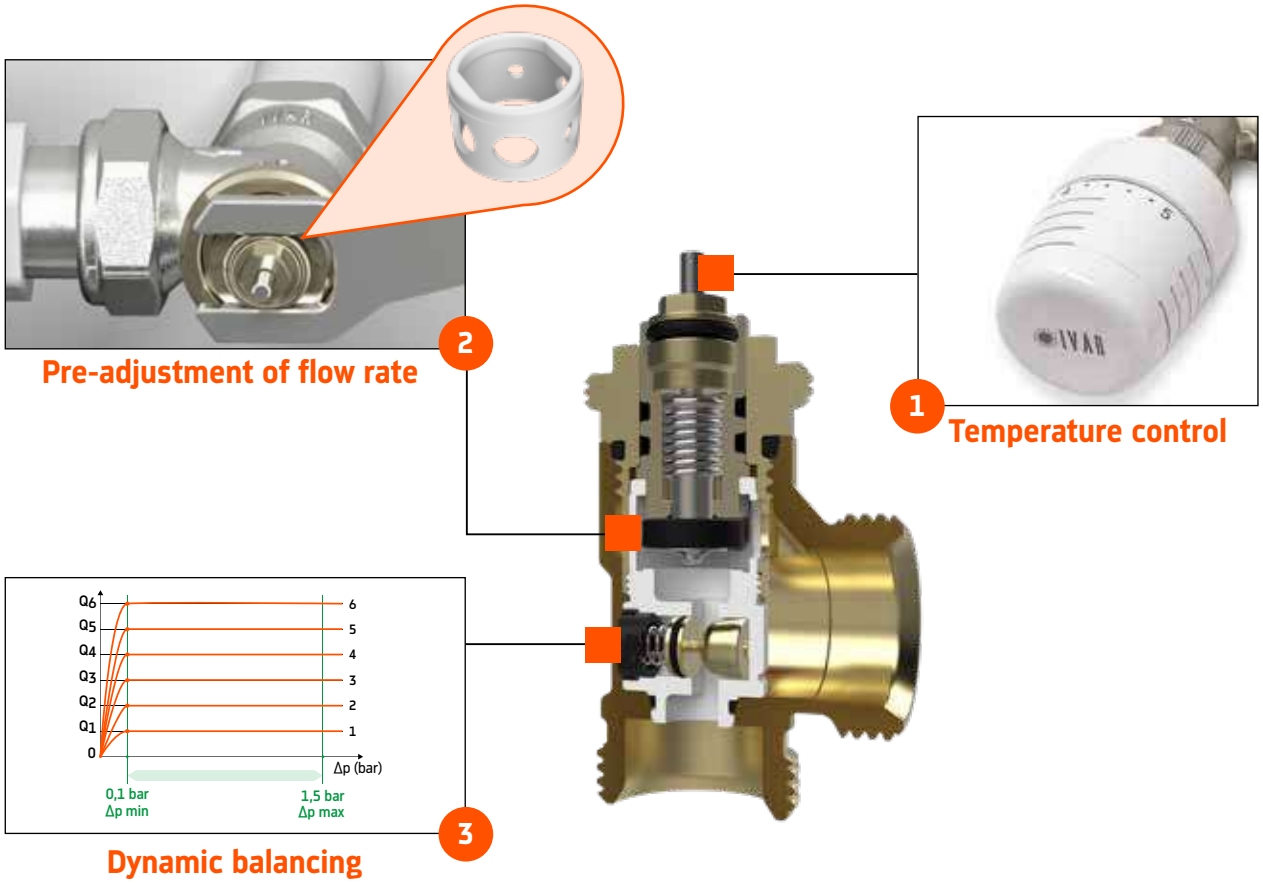
IVAR HARMONIA valves, as well as ideal for use in new systems, are designed to simplify these situations, and are the easiest solution for installation on existing systems. Combined with a thermostat head, they offer 3 functions:

1. Temperature control, thanks to the thermostat head which modulates flow rate.
2. Pre-setting of the maximum flow rates in 6 positions, to facilitate system activation intervals.
3. Dynamic balancing of system, for effective management of partial loads.

IVAR HARMONIA valves can therefore be installed on any system, without the need for complex calibration procedures. Simply install them, and they will do the rest!

Materials
Body: nickel-plated brass CW617N
Seals and O-rings: peroxide EPDM

Technical specifications
Versions available: straight, angle, reverse body and coaxial
Connection diameters: DN 10 and DN 15 for steel or Eurokonus pipes.
Max. fluid temperature inside valve: 120 °C
Maximum operating pressure: 10 bar
Differential pressure range: 0.1 - 0.6 bar



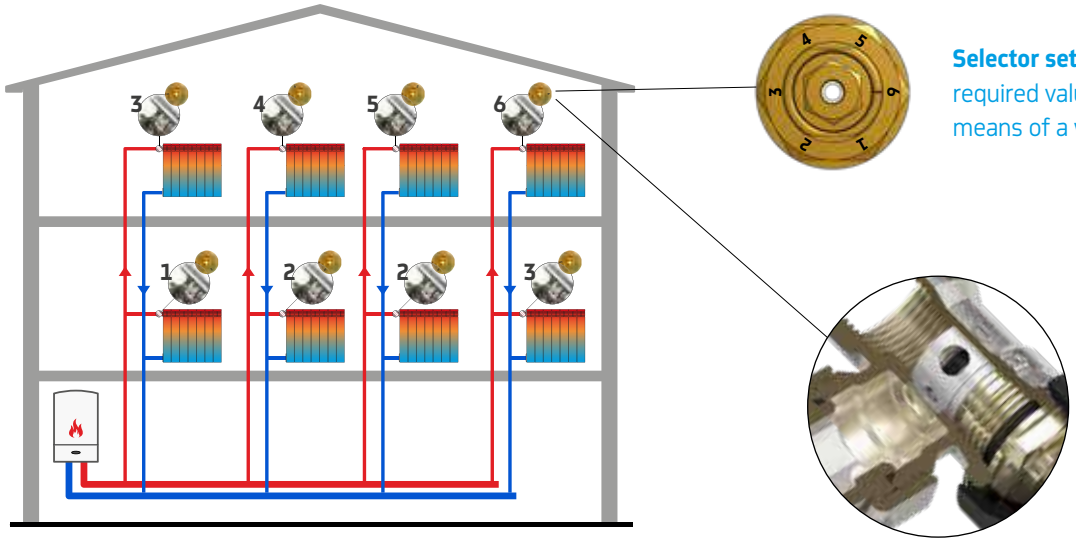
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FOCUS: Static and dynamic balancing



FOCUS: Pre-regulation

HARMONIA series valves are fitted with a pre-adjustment selector which acts on the flow rate to simplify water balancing operations on the circuits.



Selector setting on required value by means of a wrench.

FOCUS: Ring nut substitution

The ring nut is screwed on a special insert and can be replaced even when the system is working.



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VS 2106 NH



- **Valvola termostatizzabile a squadra serie HARMONIA con selettore di portata, bilanciamento dinamico della pressione, attacco maschio e cappuccio di protezione.**
- *Angle thermostatic valve HARMONIA-series with flow rate selector, pressure dynamic balancing, male connection and protection cap.*
- **Robinet thermostatisable équerre série HARMONIA avec sélecteur de débit, équilibrage dynamique de la pression, embout mâle capuchon de protection.**
- *Eck-Thermostatventil Serie HARMONIA mit Durchfluss-Wählschalter, dynamische Abgleichventile des Drucks, AG Anschluß und Schutzkappe.*
- **Válvula termostatizable de escuadra serie HARMONIA con selector de flujo, equilibrio dinámico de la presión, conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
501185R	EUROK x 3/8" M	48,00 €	BF	10 / 40
501185	EUROK x 1/2" M	48,00 €	BF	10 / 40
501185RCR	EUROK x 3/8" M O-ring	48,50 €	BF	10 / 40
501185RC	EUROK x 1/2" M O-ring	48,50 €	BF	10 / 40

VD 2105 NH



- **Valvola termostatizzabile diritta serie HARMONIA con selettore di portata, bilanciamento dinamico della pressione, attacco maschio e cappuccio di protezione.**
- *Straight thermostatic valve HARMONIA-series with flow rate selector, pressure dynamic balancing, male connection and protection cap.*
- **Robinet thermostatisable droit série HARMONIA avec sélecteur de débit, équilibrage dynamique de la pression, embout mâle capuchon de protection.**
- *Durchgangs-Thermostatventil Serie HARMONIA mit Durchfluss-Wählschalter, dynamische Abgleichventile des Drucks, AG Anschluß und Schutzkappe.*
- **Válvula termostatizable recta serie HARMONIA con selector de flujo, equilibrio dinámico de la presión, conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
501188R	EUROK x 3/8" M	48,00 €	BF	10 / 40
501188	EUROK x 1/2" M	48,00 €	BF	10 / 40
501188RCR	EUROK x 3/8" M O-ring	48,50 €	BF	10 / 40
501188RC	EUROK x 1/2" M O-ring	48,50 €	BF	10 / 40

VCR 2136 NH



- **Valvola termostatizzabile a corpo reverso serie HARMONIA con selettore di portata, bilanciamento dinamico della pressione, attacco maschio e cappuccio di protezione.**
- *Reverse thermostatic valve HARMONIA-series with flow rate selector, pressure dynamic balancing, male connection and protection cap.*
- **Robinet thermostatisable à corps renversé série HARMONIA avec sélecteur de débit, équilibrage dynamique de la pression, embout mâle capuchon de protection.**
- *Reversthermostatventil Serie HARMONIA mit Durchfluss-Wählschalter, dynamische Abgleichventile des Drucks, AG Anschluß und Schutzkappe.*
- **Válvula termostatizable invertida serie HARMONIA con selector de flujo, equilibrio dinámico de la presión, conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
501192R	EUROK x 3/8" M	48,00 €	BF	10 / 40
501192	EUROK x 1/2" M	48,00 €	BF	10 / 40
501192RCR	EUROK x 3/8" M O-ring	48,50 €	BF	10 / 40
501192RC	EUROK x 1/2" M O-ring	48,50 €	BF	10 / 40



- **Raccordo per tubo in rame >> p. 59,64,127,428**
- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >>p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >>p. 64,127,212,428*
- **Conexión para tubo de polietileno >>p. 64,127,212,428**

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VS 2102 NH



- **Valvola termostatizzabile a squadra serie HARMONIA con selettore di portata, bilanciamento dinamico della pressione, attacco femmina e cappuccio di protezione.**
- *Angle thermostatic valve HARMONIA-series with flow rate selector, pressure dynamic balancing, female connection and protection cap.*
- **Robinet thermostatisable équerre série HARMONIA avec sélecteur de débit, équilibrage dynamique de la pression, embout femelle capuchon de protection.**
- *Eck-Thermostatventil Serie HARMONIA mit Durchfluss-Wählschalter, dynamische Abgleichventile des Drucks, IG Anschluß und Schutzkappe.*
- **Válvula termostatizable de escuadra serie HARMONIA con selector de flujo, equilibrio dinámico de la presión, conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
501183	3/8" F x 3/8" M	47,00 €	BF	10 / 40
501184	1/2" F x 1/2" M	48,00 €	BF	10 / 40
501183RC	3/8" F x 3/8" M O-ring	47,50 €	BF	10 / 40
501184RC	1/2" F x 1/2" M O-ring	48,50 €	BF	10 / 40

VD 2101 NH



- **Valvola termostatizzabile diritta serie HARMONIA con selettore di portata, bilanciamento dinamico della pressione, attacco femmina e cappuccio di protezione.**
- *Straight thermostatic valve HARMONIA-series with flow rate selector, pressure dynamic balancing, female connection and protection cap.*
- **Robinet thermostatisable droit série HARMONIA avec sélecteur de débit, équilibrage dynamique de la pression, embout femelle capuchon de protection.**
- *Durchgangs-Thermostatventil Serie HARMONIA mit Durchfluss-Wählschalter, dynamische Abgleichventile des Drucks, IG Anschluß und Schutzkappe.*
- **Válvula termostatizable recta serie HARMONIA con selector de flujo, equilibrio dinámico de la presión, conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
501186	3/8" F x 3/8" M	47,00 €	BF	10 / 40
501187	1/2" F x 1/2" M	48,00 €	BF	10 / 40
501186RC	3/8" F x 3/8" M O-ring	47,50 €	BF	10 / 40
501187RC	1/2" F x 1/2" M O-ring	48,50 €	BF	10 / 40

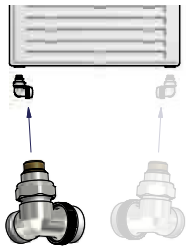
VCR 2132 NH



- **Valvola termostatizzabile a corpo reverso serie HARMONIA con selettore di portata, bilanciamento dinamico della pressione, attacco femmina e cappuccio di protezione.**
- *Reverse thermostatic valve HARMONIA-series with flow rate selector, pressure dynamic balancing, female connection and protection cap.*
- **Robinet thermostatisable à corps renversé série HARMONIA avec sélecteur de débit, équilibrage dynamique de la pression, embout femelle capuchon de protection.**
- *Reversthermostatventil Serie HARMONIA mit Durchfluss-Wählschalter, dynamische Abgleichventile des Drucks, IG Anschluß und Schutzkappe.*
- **Válvula termostatizable invertida serie HARMONIA con selector de flujo, equilibrio dinámico de la presión, conexión hembra y capuchón de protección.**

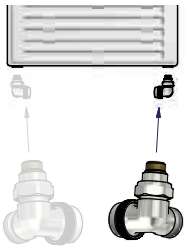
Code	Size	Price	Class	Packaging
501189	3/8" F x 3/8" M	47,00 €	BF	10 / 40
501190	1/2" F x 1/2" M	48,00 €	BF	10 / 40
501189RC	3/8" F x 3/8" M O-ring	47,50 €	BF	10 / 40
501190RC	1/2" F x 1/2" M O-ring	48,50 €	BF	10 / 40

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SINISTRA
LEFT
GAUCHE
LINKS
IZQUIERDA

DESTRA
RIGHT
DROIT
RECHTS
DERECHA



SINISTRA
LEFT
GAUCHE
LINKS
IZQUIERDA

DESTRA
RIGHT
DROIT
RECHTS
DERECHA

VCS 2166 NH SX



- **Valvola termostatizzabile coassiale sinistra serie HARMONIA con selettore di portata, bilanciamento dinamico della pressione, attacco maschio e cappuccio di protezione.**
- *Co-axial left thermostatic valve HARMONIA-series with flow rate selector, pressure dynamic balancing, male connection and protection cap.*
- **Robinet thermostatisable coaxial gauche série HARMONIA avec sélecteur de débit, équilibrage dynamique de la pression, embout mâle capuchon de protection.**
- *Koaxiales Thermostatventil links Serie HARMONIA mit Durchfluss-Wählschalter, dynamische Abgleichventile des Drucks, AG Anschluß und Schutzkappe.*
- **Válvula termostatizable coaxial izquierda serie HARMONIA con selector de flujo, equilibrio dinámico de la presión, conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500509R	EUROK x 3/8" M	48,00 €	BF	10 / 40
500509	EUROK x 1/2" M	48,00 €	BF	10 / 40
500509RCR	EUROK x 3/8" M O-ring	48,50 €	BF	10 / 40
500509RC	EUROK x 1/2" M O-ring	48,50 €	BF	10 / 40

VCD 2166 NH DX



- **Valvola termostatizzabile coassiale destra serie HARMONIA con selettore di portata, bilanciamento dinamico della pressione, attacco maschio e cappuccio di protezione.**
- *Co-axial right thermostatic valve HARMONIA-series with flow rate selector, pressure dynamic balancing, male connection and protection cap.*
- **Robinet thermostatisable coaxial droit série HARMONIA avec sélecteur de débit, équilibrage dynamique de la pression, embout mâle capuchon de protection.**
- *Koaxiales Thermostatventil rechts Serie HARMONIA mit Durchfluss-Wählschalter, dynamische Abgleichventile des Drucks, AG Anschluß und Schutzkappe.*
- **Válvula termostatizable coaxial derecha serie HARMONIA con selector de flujo, equilibrio dinámico de la presión, conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500512R	EUROK x 3/8" M	48,00 €	BF	10 / 40
500512	EUROK x 1/2" M	48,00 €	BF	10 / 40
500512RCR	EUROK x 3/8" M O-ring	48,50 €	BF	10 / 40
500512RC	EUROK x 1/2" M O-ring	48,50 €	BF	10 / 40

VCS 2162 NH SX



- **Valvola termostatizzabile coassiale sinistra serie HARMONIA con selettore di portata, bilanciamento dinamico della pressione, attacco femmina e cappuccio di protezione.**
- *Co-axial left thermostatic valve HARMONIA-series with flow rate selector, pressure dynamic balancing, female connection and protection cap.*
- **Robinet thermostatisable coaxial gauche série HARMONIA avec sélecteur de débit, équilibrage dynamique de la pression, embout femelle capuchon de protection.**
- *Koaxiales Thermostatventil links Serie HARMONIA mit Durchfluss-Wählschalter, dynamische Abgleichventile des Drucks, IG Anschluß und Schutzkappe.*
- **Válvula termostatizable coaxial izquierda serie HARMONIA con selector de flujo, equilibrio dinámico de la presión, conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
500507	3/8" F x 3/8" M	47,00 €	BF	10 / 40
500508	1/2" F x 1/2" M	48,00 €	BF	10 / 40
500507RC	3/8" F x 3/8" M O-ring	47,50 €	BF	10 / 40
500508RC	1/2" F x 1/2" M O-ring	48,50 €	BF	10 / 40

VCD 2162 NH DX



- **Valvola termostatizzabile coassiale destra serie HARMONIA con selettore di portata, bilanciamento dinamico della pressione, attacco femmina e cappuccio di protezione.**
- *Co-axial right thermostatic valve HARMONIA-series with flow rate selector, pressure dynamic balancing, female connection and protection cap.*
- **Robinet thermostatisable coaxial droit série HARMONIA avec sélecteur de débit, équilibrage dynamique de la pression, embout femelle capuchon de protection.**
- *Koaxiales Thermostatventil rechts Serie HARMONIA mit Durchfluss-Wählschalter, dynamische Abgleichventile des Drucks, IG Anschluß und Schutzkappe.*
- **Válvula termostatizable coaxial derecha serie HARMONIA con selector de flujo, equilibrio dinámico de la presión, conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
500510	3/8" F x 3/8" M	47,00 €	BF	10 / 40
500511	1/2" F x 1/2" M	48,00 €	BF	10 / 40
500510RC	3/8" F x 3/8" M O-ring	47,50 €	BF	10 / 40
500511RC	1/2" F x 1/2" M O-ring	48,50 €	BF	10 / 40



- **Raccordo per tubo in rame >> p. 59,64,127,428**
- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >> p. 64,127,212,428**
- *Fitting for polyethylene pipe >> p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >> p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >> p. 64,127,212,428*
- **Conexión para tubo de polietileno >> p. 64,127,212,428**

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THERMOSTATIC VALVES

The thermostatic valve is a device that regulates the flow of water to the radiator and is ready for thermostatic control. The ring nut with control rod can be inspected and replaced while the system is running.
The IVAR standard series valves are supplied in all the figures with a manual head or protection caps instead of controls. The pipe fitting can be female (DN10-15-20 for iron pipe) or male EUROK, while the radiator fitting can be a standard union with a tapered seal or a soft seal union including O-ring. The respective versions are available with reduced 3/8" thread (for EUROK valves).

Standard valves
The standard valves have a plug that moves through the action of the thermostatic head. Standard valves cannot have a pre-set flow rate, which is instead controlled by the lockshield installed at the radiator outlet. All IVAR thermostatic devices have low thermal inertia with a response time of less than 40 min; many of them are EN 215 certified.

Lockshields
In addition to the inlet valve to the radiator, it is advisable to install a lockshield (see appropriate section) at the outlet with shut-off and regulation functions. IVAR lockshields are available in a version that is paired to the corresponding inlet valve, also in the coaxial figures (200 series). The piping and radiator fittings are similar to those found on the valves.

Materials
Body: nickel-plated brass CW617N
Seals and O-rings: peroxide EPDM

Technical specifications
Max. fluid temperature inside valve: 120 °C
Maximum operating pressure: 10 bar
Max. pressure differential with fitted thermostatic head: 0.25 bar

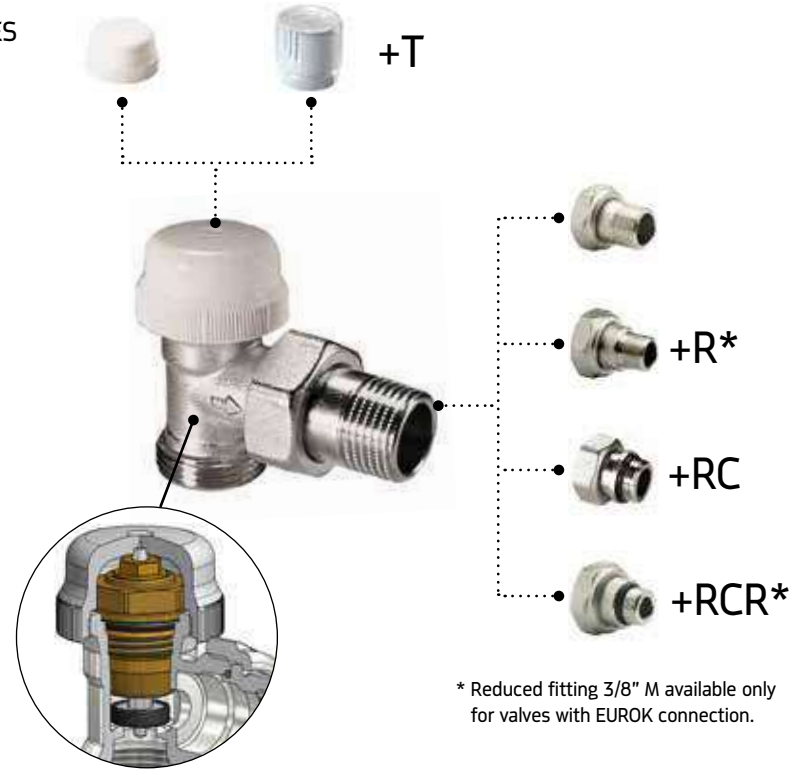
FOCUS: Ring nut substitution

The ring nut is screwed on a special insert and can be replaced even when the system is working.



VERSIONS EXAMPLE - STANDARD SERIES

 **500805**	 **-**	 **+T**
 **-**	500805	500805**T**
 **+R**	500805**R**	500805**TR**
 **+RC**	500805**RC**	500805**TRC**
 **+RCR**	500805**RCR**	500805**TRCR**



* Reduced fitting 3/8" M available only for valves with EUROK connection.

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VS 2106



028

- **Valvola termostatizzabile a squadra con attacco maschio e cappuccio di protezione.**
- *Angle thermostatic valve with male connection and protection cap.*
- **Robinet thermostatisable équerre avec embout mâle et capuchon de protection.**
- *Eck-Thermostatventil mit AG Anschluß und Schutzkappe.*
- **Válvula de escuadra termostatizable con conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500805R	EUROK x 3/8" M	13,50 €	BA	10 / 80
500805	EUROK x 1/2" M	13,12 €	BA	10 / 80
500805RCR	EUROK x 3/8" M O-ring	14,07 €	BA	10 / 80
500805RC	EUROK x 1/2" M O-ring	13,77 €	BA	10 / 80

VS 2106 T



- **Valvola termostatizzabile a squadra con attacco maschio e testa manuale.**
- *Angle thermostatic valve with male connection and manual head.*
- **Robinet thermostatisable équerre avec embout mâle et tête manuelle.**
- *Eck-Thermostatventil mit AG Anschluß und manueller Hebel.*
- **Válvula de escuadra termostatizable con conexión macho y cabeza manual.**

Code	Size	Price	Class	Packaging
500805TR	EUROK x 3/8" M	15,05 €	BA	10 / 80
500805T	EUROK x 1/2" M	14,68 €	BA	10 / 80
500805TRCR	EUROK x 3/8" M O-ring	15,63 €	BA	10 / 80
500805TRC	EUROK x 1/2" M O-ring	15,33 €	BA	10 / 80

VD 2105



028

- **Valvola termostatizzabile diritta con attacco maschio e cappuccio di protezione.**
- *Straight thermostatic valve with male connection and protection cap.*
- **Robinet thermostatisable droit avec embout mâle et capuchon de protection.**
- *Durchgangs-Thermostatventil mit AG Anschluß und Schutzkappe.*
- **Válvula recta termostatizable con conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500473R	EUROK x 3/8" M	14,68 €	BA	10 / 80
500473	EUROK x 1/2" M	14,31 €	BA	10 / 80
500473RCR	EUROK x 3/8" M O-ring	15,24 €	BA	10 / 80
500473RC	EUROK x 1/2" M O-ring	14,95 €	BA	10 / 80

VD 2105 T



- **Valvola termostatizzabile diritta con attacco maschio e testa manuale.**
- *Straight thermostatic valve with male connection and manual head.*
- **Robinet thermostatisable droit avec embout mâle et tête manuelle.**
- *Durchgangs-Thermostatventil mit AG Anschluß und manueller Hebel.*
- **Válvula recta termostatizable con conexión macho y cabeza manual.**

Code	Size	Price	Class	Packaging
500473TR	EUROK x 3/8" M	16,23 €	BA	10 / 80
500473T	EUROK x 1/2" M	15,85 €	BA	10 / 80
500473TRCR	EUROK x 3/8" M O-ring	16,80 €	BA	10 / 80
500473TRC	EUROK x 1/2" M O-ring	16,51 €	BA	10 / 80

VCR 2136



- **Valvola termostatizzabile a corpo reverso con attacco maschio e cappuccio di protezione.**
- *Reverse thermostatic valve with male connection and protection cap.*
- **Robinet thermostatisable à corps renversé avec embout mâle et capuchon de protection.**
- *Reversthermostatventil mit AG Anschluß und Schutzkappe.*
- **Válvula termostatizable invertida con conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500558R	EUROK x 3/8" M	15,51 €	BA	10 / 80
500558	EUROK x 1/2" M	15,13 €	BA	10 / 80
500558RCR	EUROK x 3/8" M O-ring	16,09 €	BA	10 / 80
500558RC	EUROK x 1/2" M O-ring	15,80 €	BA	10 / 80

VCR 2136 T



- **Valvola termostatizzabile a corpo reverso con attacco maschio e testa manuale.**
- *Reverse thermostatic valve with male connection and manual head.*
- **Robinet thermostatisable à corps renversé avec embout mâle et tête manuelle.**
- *Reversthermostatventil mit AG Anschluß und manueller Hebel.*
- **Válvula termostatizable invertida con conexión macho y cabeza manual.**

Code	Size	Price	Class	Packaging
500558TR	EUROK x 3/8" M	17,07 €	BA	10 / 80
500558T	EUROK x 1/2" M	16,69 €	BA	10 / 80
500558TRCR	EUROK x 3/8" M O-ring	17,64 €	BA	10 / 80
500558TRC	EUROK x 1/2" M O-ring	17,35 €	BA	10 / 80



- **Raccordo per tubo in rame >> p. 59,64,127,428**
- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >>p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >>p. 64,127,212,428*
- **Conexión para tubo de polietileno >>p. 64,127,212,428**

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VS 2102



028

- **Valvola termostatizzabile a squadra con attacco femmina e cappuccio di protezione.**
- *Angle thermostatic valve with female connection and protection cap.*
- **Robinet thermostatisable équerre avec embout femelle et capuchon de protection.**
- *Eck-Thermostatventil mit IG Anschluß und Schutzkappe.*
- **Válvula de escuadra termostatizable con conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
500500	3/8" F x 3/8" M	11,97 €	BA	10 / 80
500501	1/2" F x 1/2" M	13,45 €	BA	10 / 80
500309	3/4" F x 3/4" M	20,35 €	BA	8 / 64
500500RC	3/8" F x 3/8" M O-ring	13,27 €	BA	10 / 80
500501RC	1/2" F x 1/2" M O-ring	14,08 €	BA	10 / 80
500309RC	3/4" F x 3/4" M O-ring	21,38 €	BA	8 / 64

VS 2102 T



- **Valvola termostatizzabile a squadra con attacco femmina e testa manuale.**
- *Angle thermostatic valve with female connection and manual head.*
- **Robinet thermostatisable équerre avec embout femelle et tête manuelle.**
- *Eck-Thermostatventil mit IG Anschluß und manueller Hebel.*
- **Válvula de escuadra termostatizable con conexión hembra y cabeza manual.**

Code	Size	Price	Class	Packaging
500500T	3/8" F x 3/8" M	13,53 €	BA	10 / 80
500501T	1/2" F x 1/2" M	14,98 €	BA	10 / 80
500309T	3/4" F x 3/4" M	21,89 €	BA	8 / 64
500500TRC	3/8" F x 3/8" M O-ring	14,81 €	BA	10 / 80
500501TRC	1/2" F x 1/2" M O-ring	15,64 €	BA	10 / 80
500309TRC	3/4" F x 3/4" M O-ring	22,94 €	BA	8 / 64

VD 2101



028

- **Valvola termostatizzabile diritta con attacco femmina e cappuccio di protezione.**
- *Straight thermostatic valve with female connection and protection cap.*
- **Robinet thermostatisable droit avec embout femelle et capuchon de protection.**
- *Durchgangs-Thermostatventil mit IG Anschluß und Schutzkappe.*
- **Válvula recta termostatizable con conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
500439	3/8" F x 3/8" M	13,31 €	BA	10 / 80
500440	1/2" F x 1/2" M	14,61 €	BA	10 / 80
500308	3/4" F x 3/4" M	21,62 €	BA	8 / 32
500439RC	3/8" F x 3/8" M O-ring	14,62 €	BA	10 / 80
500440RC	1/2" F x 1/2" M O-ring	15,24 €	BA	10 / 80
500308RC	3/4" F x 3/4" M O-ring	22,67 €	BA	8 / 32

VD 2101 T



- **Valvola termostatizzabile diritta con attacco femmina e testa manuale.**
- *Straight thermostatic valve with female connection and manual head.*
- **Robinet thermostatisable droit avec embout femelle et tête manuelle.**
- *Durchgangs-Thermostatventil mit IG Anschluß und manueller Hebel.*
- **Válvula recta termostatizable con conexión hembra y cabeza manual.**

Code	Size	Price	Class	Packaging
500439T	3/8" F x 3/8" M	14,88 €	BA	10 / 80
500440T	1/2" F x 1/2" M	16,15 €	BA	10 / 80
500308T	3/4" F x 3/4" M	23,18 €	BA	8 / 32
500439TRC	3/8" F x 3/8" M O-ring	16,17 €	BA	10 / 80
500440TRC	1/2" F x 1/2" M O-ring	16,80 €	BA	10 / 80
500308TRC	3/4" F x 3/4" M O-ring	24,23 €	BA	8 / 32

VCR 2132



- **Valvola termostatizzabile a corpo reverso con attacco femmina e cappuccio di protezione.**
- *Reverse thermostatic valve with female connection and protection cap.*
- **Robinet thermostatisable à corps renversé avec embout femelle et capuchon de protection.**
- *Reversthermostatventil mit IG Anschluß und Schutzkappe.*
- **Válvula termostatizable invertida con conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
500399	1/2" F x 1/2" M	15,13 €	BA	10 / 80
500399RC	1/2" F x 1/2" M O-ring	15,80 €	BA	10 / 80

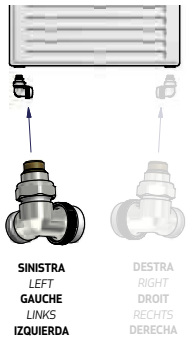
VCR 2132 T

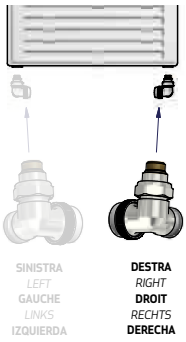


- **Valvola termostatizzabile a corpo reverso con attacco femmina e testa manuale.**
- *Reverse thermostatic valve with female connection and manual head.*
- **Robinet thermostatisable à corps renversé avec embout femelle e tête manuelle.**
- *Reversthermostatventil mit IG Anschluß und manueller Hebel.*
- **Válvula termostatizable invertida con conexión hembra y cabeza manual.**

Code	Size	Price	Class	Packaging
500399T	1/2" F x 1/2" M	16,35 €	BA	10 / 80
500399TRC	1/2" F x 1/2" M O-ring	17,01 €	BA	10 / 80

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VCS 2166 SX



- **Valvola termostatizzabile coassiale sinistra con attacco maschio e cappuccio di protezione.**
- *Co-axial left thermostatic valve with male connection and protection cap.*
- **Robinet thermostatisable coaxial gauche avec embout mâle et capuchon de protection.**
- *Koaxiales Thermostatventil links mit AG Anschluß und Schutzkappe.*
- **Válvula termostatizable coaxial izquierda con conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500518R	EUROK x 3/8" M	19,50 €	BA	10 / 80
500518	EUROK x 1/2" M	19,13 €	BA	10 / 80
500518RCR	EUROK x 3/8" M O-ring	20,08 €	BA	10 / 80
500518RC	EUROK x 1/2" M O-ring	19,78 €	BA	10 / 80

VCS 2166 SXT



- **Valvola termostatizzabile coassiale sinistra con attacco maschio e testa manuale.**
- *Co-axial left thermostatic valve with male connection and manual head.*
- **Robinet thermostatisable coaxial gauche avec embout mâle et tête manuelle.**
- *Koaxiales Thermostatventil links mit AG Anschluß und manueller Hebel.*
- **Válvula termostatizable coaxial izquierda con conexión macho y cabeza manual.**

Code	Size	Price	Class	Packaging
500518TR	EUROK x 3/8" M	21,06 €	BA	10 / 80
500518T	EUROK x 1/2" M	20,68 €	BA	10 / 80
500518TRCR	EUROK x 3/8" M O-ring	21,62 €	BA	10 / 80
500518TRC	EUROK x 1/2" M O-ring	21,32 €	BA	10 / 80

VCD 2166 DX



- **Valvola termostatizzabile coassiale destra con attacco maschio e cappuccio di protezione.**
- *Co-axial right thermostatic valve with male connection and protection cap.*
- **Robinet thermostatisable coaxial droit avec embout mâle et capuchon de protection.**
- *Koaxiales Thermostatventil rechts mit AG Anschluß und Schutzkappe.*
- **Válvula termostatizable coaxial derecha con conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500430R	EUROK x 3/8" M	19,50 €	BA	10 / 80
500430	EUROK x 1/2" M	19,13 €	BA	10 / 80
500430RCR	EUROK x 3/8" M O-ring	20,08 €	BA	10 / 80
500430RC	EUROK x 1/2" M O-ring	19,78 €	BA	10 / 80

VCD 2166 DXT



- **Valvola termostatizzabile coassiale destra con attacco maschio e testa manuale.**
- *Co-axial right thermostatic valve with male connection and manual head.*
- **Robinet thermostatisable coaxial droit avec embout mâle et tête manuelle.**
- *Koaxiales Thermostatventil rechts mit AG Anschluß und manueller Hebel.*
- **Válvula termostatizable coaxial derecha con conexión macho y cabeza manual.**

Code	Size	Price	Class	Packaging
500430TR	EUROK x 3/8" M	21,06 €	BA	10 / 80
500430T	EUROK x 1/2" M	20,68 €	BA	10 / 80
500430TRCR	EUROK x 3/8" M O-ring	21,62 €	BA	10 / 80
500430TRC	EUROK x 1/2" M O-ring	21,32 €	BA	10 / 80



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- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**

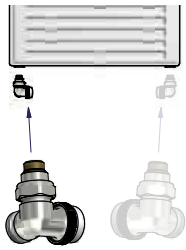


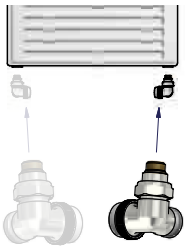
- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >>p. 64,127,212,428**
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VCS 2162 SX



- **Valvola termostatizzabile coassiale sinistra con attacco femmina e cappuccio di protezione.**
- *Co-axial left thermostatic valve with female connection and protection cap.*
- **Robinet thermostatisable coaxial gauche avec embout femelle et capuchon de protection.**
- *Koaxiales Thermostatventil links mit IG Anschluß und Schutzkappe.*
- **Válvula termostatizable coaxial izquierda con conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
506077SX	3/8" F x 3/8" M	19,13 €	BA	10 / 80
500433	1/2" F x 1/2" M	19,13 €	BA	10 / 80
506077SXRC	3/8" F x 3/8" M O-ring	20,42 €	BA	10 / 80
500433RC	1/2" F x 1/2" M O-ring	19,78 €	BA	10 / 80

VCS 2162 SXT



- **Valvola termostatizzabile coassiale sinistra con attacco femmina e testa manuale.**
- *Co-axial left thermostatic valve with female connection and manual head.*
- **Robinet thermostatisable coaxial gauche avec embout femelle et tête manuelle.**
- *Koaxiales Thermostatventil links mit IG Anschluß und manueller Hebel.*
- **Válvula termostatizable coaxial izquierda con conexión hembra y cabeza manual.**

Code	Size	Price	Class	Packaging
506077SXT	3/8" F x 3/8" M	20,68 €	BA	10 / 80
500433T	1/2" F x 1/2" M	20,68 €	BA	10 / 80
506077SXTRC	3/8" F x 3/8" M O-ring	21,98 €	BA	10 / 80
500433TRC	1/2" F x 1/2" M O-ring	21,32 €	BA	10 / 80

VCD 2162 DX



- **Valvola termostatizzabile coassiale destra con attacco femmina e cappuccio di protezione.**
- *Co-axial right thermostatic valve with female connection and protection cap.*
- **Robinet thermostatisable coaxial droit avec embout femelle et capuchon de protection.**
- *Koaxiales Thermostatventil rechts mit IG Anschluß und Schutzkappe.*
- **Válvula termostatizable coaxial derecha con conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
506077DX	3/8" F x 3/8" M	19,13 €	BA	10 / 80
500829	1/2" F x 1/2" M	19,13 €	BA	10 / 80
506077DXRC	3/8" F x 3/8" M O-ring	20,42 €	BA	10 / 80
500829RC	1/2" F x 1/2" M O-ring	19,78 €	BA	10 / 80

VCD 2162 DXT



- **Valvola termostatizzabile coassiale destra con attacco femmina e testa manuale.**
- *Co-axial right thermostatic valve with female connection and manual head.*
- **Robinet thermostatisable coaxial droit avec embout femelle et tête manuelle.**
- *Koaxiales Thermostatventil rechts mit IG Anschluß und manueller Hebel.*
- **Válvula termostatizable coaxial derecha con conexión hembra y cabeza manual.**

Code	Size	Price	Class	Packaging
506077DXT	3/8" F x 3/8" M	20,68 €	BA	10 / 80
500829T	1/2" F x 1/2" M	20,68 €	BA	10 / 80
506077DXTRC	3/8" F x 3/8" M O-ring	21,98 €	BA	10 / 80
500829TRC	1/2" F x 1/2" M O-ring	21,32 €	BA	10 / 80

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VD 2127



- **Valvola termostatizzabile diritta con cappuccio di protezione e attacchi maschio senza bocchettone.**
- *Straight thermostatic valve with protection cap and male connections without fitting.*
- **Robinet thermostatisable droit avec capuchon de protection et embouts mâle sans goulotte.**
- *Durchgangs-Thermostatventil mit Schutzkappe und AG Anschlüße ohne Stutzen.*
- **Válvula recta termostatizable con capuchón de protección y conexiónes macho sin racor.**

Code	Size	Price	Class	Packaging
500890	EUROK x EUROK	11,38 €	BA	10 / 80

VD 2127 T



- **Valvola termostatizzabile diritta con testa manuale e attacchi maschio senza bocchettone.**
- *Straight thermostatic valve with manual head and male connections without fitting.*
- **Robinet thermostatisable droit avec tête manuelle et embouts mâle sans goulotte.**
- *Durchgangs-Thermostatventil mit manueller Hebel und AG Anschlüße ohne Stutzen.*
- **Válvula recta termostatizable con cabeza manual y conexiónes macho sin racor.**

Code	Size	Price	Class	Packaging
500890T	EUROK x EUROK	12,94 €	BA	10 / 80

VD 2115



- **Valvola termostatizzabile diritta con attacco maschio, bocchettone ad angolo e cappuccio di protezione.**
- *Straight thermostatic valve with male connection, angle fitting and protection cap.*
- **Robinet thermostatisable droit avec embout mâle, goulotte à angle et capuchon de protection.**
- *Durchgangs-Thermostatventil mit AG Anschluß, Winkel-Stutzen und Schutzkappe.*
- **Válvula recta termostatizable con conexión macho, boquillo en ángulo y capuchón de protección.**

Code	Size	Price	Class	Packaging
500496	EUROK x 1/2" M	18,10 €	BA	10 / 80

VD 2111



- **Valvola termostatizzabile diritta con attacco femmina, bocchettone ad angolo e cappuccio di protezione.**
- *Straight thermostatic valve with female connection, angle fitting and protection cap.*
- **Robinet thermostatisable droit avec embout femelle, goulotte à angle et capuchon de protection.**
- *Durchgangs-Thermostatventil mit IG Anschluß, Winkel-Stutzen und Schutzkappe.*
- **Válvula recta termostatizable con conexión hembra, boquillo en ángulo y capuchón de protección.**

Code	Size	Price	Class	Packaging
500479	1/2" F x 1/2" M	18,37 €	BA	10 / 40



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- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**



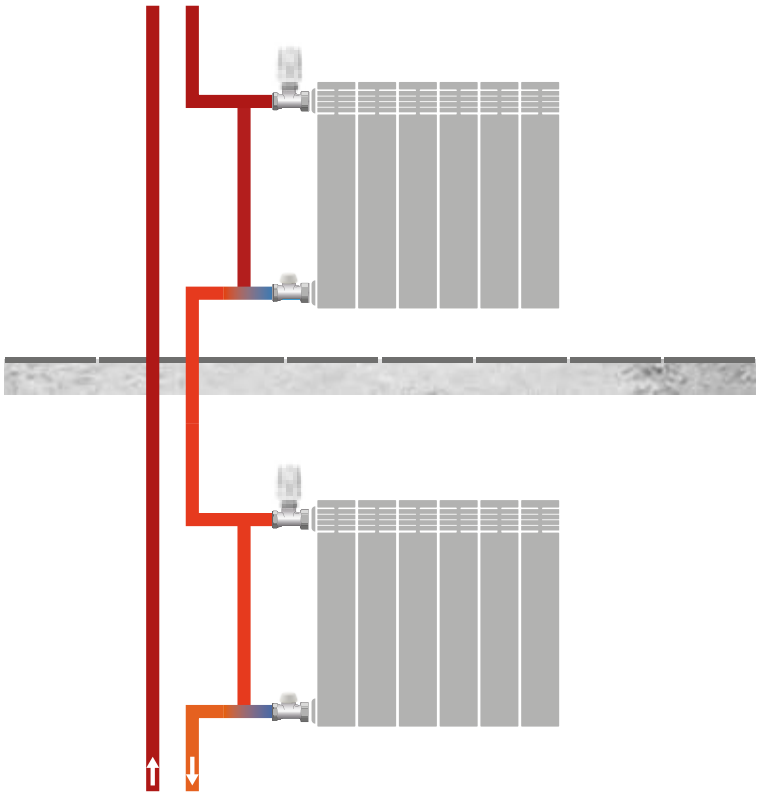
- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
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- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
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- **Conexión para tubo de polietileno >>p. 64,127,212,428**

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IVAR offers a new range of thermostatic valves for high flow rates.
These valves are available in the straight and angle versions, for steel DN 25 and DN 32 pipes, with tapered or soft seal outlets.
These valves are designed to ensure high flow rate coefficients, making them ideal in renovations of existing single-pipe systems with bypass Tee-fittings upline of the valve.
These valves are compatible with all thermostat heads in the IVAR range.



VS 2102 XL



- **Valvola termostatizzabile a squadra per elevate portate con attacco femmina e cappuccio di protezione.**
- *Angle thermostatic valve for high flow capacity with female connection and protection cap.*
- **Robinet thermostatisable équerre pour débit élevé avec embout femelle et capuchon de protection.**
- *Eck-Thermostatventil für erhöhte Durchfluss mit IG Anschluß und Schutzkappe.*
- **Válvula de escuadra termostatizable para caudales elevados con conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
500503	1" F x 1" M	61,38 €	BA	5 / 40
500505	1"1/4 F x 1"1/4 M	79,89 €	BA	4 / 32
500503RC	1" F x 1" M O-ring	63,57 €	BA	5 / 40
500505RC	1"1/4 F x 1"1/4 M O-ring	82,64 €	BA	4 / 32

VD 2101 XL



- **Valvola termostatizzabile diritta per elevate portate con attacco femmina e cappuccio di protezione.**
- *Straight thermostatic valve for high flow capacity with female connection and protection cap.*
- **Robinet thermostatisable droit pour débit élevé avec embout femelle et capuchon de protection.**
- *Durchgangs-Thermostatventil für erhöhte Durchfluss mit IG Anschluß und Schutzkappe.*
- **Válvula recta termostatizable para caudales elevados con conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
500502	1" F x 1" M	63,54 €	BA	5 / 40
500504	1"1/4 F x 1"1/4 M	89,80 €	BA	4 / 32
500502RC	1" F x 1" M O-ring	65,62 €	BA	5 / 40
500504RC	1"1/4 F x 1"1/4 M O-ring	92,56 €	BA	4 / 32

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The thermostatic valve is a device that regulates the flow of water to the radiator and has provision for thermostatic control. The ring nut with control rod can be inspected and replaced while the system is running.
The IVAR N series valves are supplied in all the figures with a manual head or protection caps (**black** for **N series**) instead of controls. The pipe fitting can be female (DN10-15-20 for iron pipe) or male EUROK, while the radiator fitting can be a standard union with a tapered seal or a soft seal union including O-ring. The respective versions are available with reduced 3/8" thread (for EUROK valves).

"N" series valves with pre-set flow rate
In addition to the plug, valves with pre-set flow rate have a selector with six different calibrated holes (Kv 0.1-0.6), which offer different levels of resistance to the water flow depending on the design characteristics and the position of the radiator in the circuit.
All IVAR thermostatic devices have low thermal inertia with a response time of less than 40 min; many of them are EN 215 certified.

Lockshields
In addition to the inlet valve to the radiator, it is advisable to install a lockshield (see appropriate section) at the outlet with shut-off and regulation functions. IVAR lockshields are available in a version that is paired to the corresponding inlet valve, also in the coaxial figures (200 series). The piping and radiator fittings are similar to those found on the valves.

Materials
Body: nickel-plated brass CW617N
Seals and O-rings: peroxide EPDM

Technical specifications
Max. fluid temperature inside valve: 120 °C
Maximum operating pressure: 10 bar
Max. pressure differential with fitted thermostatic head: 0.25 bar

FOCUS: Ring nut substitution

The ring nut is screwed on a special insert and can be replaced even when the system is working.



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VERSIONS EXAMPLE - N SERIES

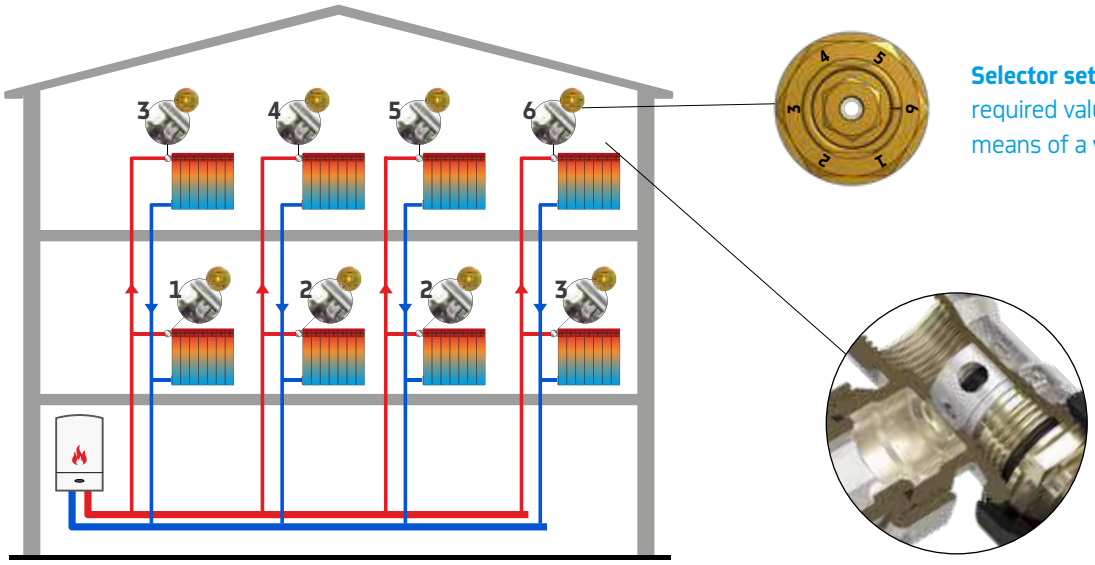
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 -	500806	500806**T**
 +R	500806**R**	500806**TR**
 +RC	500806**RC**	500806**TRC**
 +RCR	500806**RCR**	500806**TRCR**



* Reduced fitting 3/8" M available only for valves with EUROK connection.

FOCUS: Pre-regulation

N series valves are fitted with a pre-adjustment selector which acts on the flow rate to simplify water balancing operations on the circuits.



Selector setting on required value by means of a wrench.

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VS 2106 N



028

- **Valvola termostatizzabile a squadra serie N con selettore di portata, attacco maschio e cappuccio di protezione.**
- *Angle thermostatic valve N-series with flow rate selector, male connection and protection cap.*
- **Robinet thermostatisable équerre série N avec sélecteur de débit, embout mâle et capuchon de protection.**
- *Eck-Thermostatventil Serie N mit Durchfluss-Wählschalter, AG Anschluß und Schutzkappe.*
- **Válvula termostatizable de escuadra serie N con selector de flujo, conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500806R	EUROK x 3/8" M	14,85 €	BC	10 / 80
500806	EUROK x 1/2" M	14,48 €	BC	10 / 80
500806RCR	EUROK x 3/8" M O-ring	15,41 €	BC	10 / 80
500806RC	EUROK x 1/2" M O-ring	15,12 €	BC	10 / 80

VS 2106 NT



- **Valvola termostatizzabile a squadra serie N con selettore di portata, attacco maschio e testa manuale.**
- *Angle thermostatic valve N-series with flow rate selector, male connection and manual head.*
- **Robinet thermostatisable équerre série N avec sélecteur de débit, embout mâle et tête manuelle.**
- *Eck-Thermostatventil Serie N mit Durchfluss-Wählschalter, AG Anschluß und manueller Hebel.*
- **Válvula termostatizable de escuadra serie N con selector de flujo, conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500806TR	EUROK x 3/8" M	16,41 €	BC	10 / 80
500806T	EUROK x 1/2" M	16,03 €	BC	10 / 80
500806TRCR	EUROK x 3/8" M O-ring	16,98 €	BC	10 / 80
500806TRC	EUROK x 1/2" M O-ring	16,68 €	BC	10 / 80

VD 2105 N



028

- **Valvola termostatizzabile diritta serie N con selettore di portata, attacco maschio e cappuccio di protezione.**
- *Straight thermostatic valve N-series with flow rate selector, male connection and protection cap.*
- **Robinet thermostatisable droit série N avec sélecteur de débit, embout mâle et capuchon de protection.**
- *Durchgangs-Thermostatventil Serie N mit Durchfluss-Wählschalter, AG Anschluß und Schutzkappe.*
- **Válvula termostatizable recta serie N con selector de flujo, conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500474R	EUROK x 3/8" M	16,03 €	BC	10 / 80
500474	EUROK x 1/2" M	15,65 €	BC	10 / 80
500474RCR	EUROK x 3/8" M O-ring	16,59 €	BC	10 / 80
500474RC	EUROK x 1/2" M O-ring	16,29 €	BC	10 / 80

VD 2105 NT



- **Valvola termostatizzabile diritta serie N con selettore di portata, attacco maschio e testa manuale.**
- *Straight thermostatic valve N-series with flow rate selector, male connection and manual head.*
- **Robinet thermostatisable droit série N avec sélecteur de débit, embout mâle et tête manuelle.**
- *Durchgangs-Thermostatventil Serie N mit Durchfluss-Wählschalter, AG Anschluß und manueller Hebel.*
- **Válvula termostatizable recta serie N con selector de flujo, conexión macho y cabeza manual.**

Code	Size	Price	Class	Packaging
500474TR	EUROK x 3/8" M	17,58 €	BC	10 / 80
500474T	EUROK x 1/2" M	17,21 €	BC	10 / 80
500474TRCR	EUROK x 3/8" M O-ring	18,14 €	BC	10 / 80
500474TRC	EUROK x 1/2" M O-ring	17,84 €	BC	10 / 80

VCR 2136 N



- **Valvola termostatizzabile a corpo reverso serie N con selettore di portata, attacco maschio e cappuccio di protezione.**
- *Reverse thermostatic valve N-series with flow rate selector, male connection and protection cap.*
- **Robinet thermostatisable à corps renversé série N avec sélecteur de débit, embout mâle et capuchon de protection.**
- *Reversthermostatventil Serie N mit Durchfluss-Wählschalter, AG Anschluß und Schutzkappe.*
- **Válvula termostatizable invertida serie N con selector de flujo, conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500827R	EUROK x 3/8" M	16,86 €	BC	10 / 80
500827	EUROK x 1/2" M	16,50 €	BC	10 / 80
500827RCR	EUROK x 3/8" M O-ring	17,42 €	BC	10 / 80
500827RC	EUROK x 1/2" M O-ring	17,13 €	BC	10 / 80

VCR 2136 NT



- **Valvola termostatizzabile a corpo reverso serie N con selettore di portata, attacco maschio e testa manuale.**
- *Reverse thermostatic valve N-series with flow rate selector, male connection and manual head.*
- **Robinet thermostatisable à corps renversé série N avec sélecteur de débit, embout mâle et tête manuelle.**
- *Reversthermostatventil Serie N mit Durchfluss-Wählschalter, AG Anschluß und manueller Hebel.*
- **Válvula termostatizable invertida serie N con selector de flujo, conexión macho y cabeza manual.**

Code	Size	Price	Class	Packaging
500827TR	EUROK x 3/8" M	18,42 €	BC	10 / 80
500827T	EUROK x 1/2" M	18,05 €	BC	10 / 80
500827TRCR	EUROK x 3/8" M O-ring	18,98 €	BC	10 / 80
500827TRC	EUROK x 1/2" M O-ring	18,69 €	BC	10 / 80



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- **Raccord pour tube en cuivre >> p. 59,64,127,428**
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- **Conexión para tubo de cobre >> p. 59,64,127,428**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >>p. 64,127,212,428**
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- **Conexión para tubo de polietileno >>p. 64,127,212,428**

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VS 2102 N



028

- **Valvola termostatizzabile a squadra serie N con selettore di portata, attacco femmina e cappuccio di protezione.**
- *Angle thermostatic valve N-series with flow rate selector, female connection and protection cap.*
- **Robinet thermostatisable équerre série N avec sélecteur de débit, embout femelle et capuchon de protection.**
- *Durchgangs-Thermostatventil Serie N mit Durchfluss-Wählschalter, IG Anschluß und Schutzkappe.*
- **Válvula termostatizable de escuadra serie N con selector de flujo, conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
500870	3/8" F x 3/8" M	13,32 €	BC	10 / 80
500513	1/2" F x 1/2" M	14,78 €	BC	10 / 80
500384	3/4" F x 3/4" M	21,68 €	BC	8 / 64
500870RC	3/8" F x 3/8" M O-ring	14,63 €	BC	10 / 80
500513RC	1/2" F x 1/2" M O-ring	15,42 €	BC	10 / 80
500384RC	3/4" F x 3/4" M O-ring	22,74 €	BC	8 / 64

VS 2102 NT



- **Valvola termostatizzabile a squadra serie N con selettore di portata, attacco femmina e testa manuale.**
- *Angle thermostatic valve N-series with flow rate selector, female connection and manual head.*
- **Robinet thermostatisable équerre série N avec sélecteur de débit, embout femelle et tête manuelle.**
- *Durchgangs-Thermostatventil Serie N mit Durchfluss-Wählschalter, IG Anschluß und manueller Hebel.*
- **Válvula termostatizable de escuadra serie N con selector de flujo, conexión hembra y cabeza manual.**

Code	Size	Price	Class	Packaging
500870T	3/8" F x 3/8" M	14,89 €	BC	10 / 80
500513T	1/2" F x 1/2" M	16,34 €	BC	10 / 80
500384T	3/4" F x 3/4" M	23,24 €	BC	8 / 64
500870TRC	3/8" F x 3/8" M O-ring	16,18 €	BC	10 / 80
500513TRC	1/2" F x 1/2" M O-ring	17,00 €	BC	10 / 80
500384TRC	3/4" F x 3/4" M O-ring	24,28 €	BC	8 / 64

VD 2101 N



028

- **Valvola termostatizzabile diritta serie N con selettore di portata, attacco femmina e cappuccio di protezione.**
- *Straight thermostatic valve N-series with flow rate selector, female connection and protection cap.*
- **Robinet thermostatisable droit série N avec sélecteur de débit, embout femelle et capuchon de protection.**
- *Durchgangs-Thermostatventil Serie N mit Durchfluss-Wählschalter, IG Anschluß und Schutzkappe.*
- **Válvula termostatizable recta serie N con selector de flujo, conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
500888	3/8" F x 3/8" M	14,67 €	BC	10 / 80
500459	1/2" F x 1/2" M	15,94 €	BC	10 / 80
500382	3/4" F x 3/4" M	22,98 €	BC	8 / 64
500888RC	3/8" F x 3/8" M O-ring	15,96 €	BC	10 / 80
500459RC	1/2" F x 1/2" M O-ring	16,59 €	BC	10 / 80
500382RC	3/4" F x 3/4" M O-ring	24,01 €	BC	8 / 64

VD 2101 NT



- **Valvola termostatizzabile diritta serie N con selettore di portata, attacco femmina e testa manuale.**
- *Straight thermostatic valve N-series with flow rate selector, female connection and manual head.*
- **Robinet thermostatisable droit série N avec sélecteur de débit, embout femelle et tête manuelle.**
- *Durchgangs-Thermostatventil Serie N mit Durchfluss-Wählschalter, IG Anschluß und manueller Hebel.*
- **Válvula termostatizable recta serie N con selector de flujo, conexión hembra y cabeza manual.**

Code	Size	Price	Class	Packaging
500888T	3/8" F x 3/8" M	16,22 €	BC	10 / 80
500459T	1/2" F x 1/2" M	17,50 €	BC	10 / 80
500382T	3/4" F x 3/4" M	24,53 €	BC	8 / 64
500888TRC	3/8" F x 3/8" M O-ring	17,52 €	BC	10 / 80
500459TRC	1/2" F x 1/2" M O-ring	18,14 €	BC	10 / 80
500382TRC	3/4" F x 3/4" M O-ring	25,57 €	BC	8 / 64

VCR 2132 N



- **Valvola termostatizzabile a corpo reverso serie N con selettore di portata, attacco femmina e cappuccio di protezione.**
- *Reverse thermostatic valve N-series with flow rate selector, female connection and protection cap.*
- **Robinet thermostatisable à corps renversé série N avec sélecteur de débit, embout femelle et capuchon de protection.**
- *Reversthermostatventil Serie N mit Durchfluss-Wählschalter, IG Anschluß und Schutzkappe.*
- **Válvula termostatizable invertida serie N con selector de flujo, conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
500810	1/2" F x 1/2" M	16,50 €	BC	10 / 80
500810RC	1/2" F x 1/2" M O-ring	17,13 €	BC	10 / 80

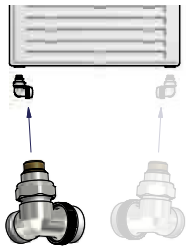
VCR 2132 NT



- **Valvola termostatizzabile a corpo reverso serie N con selettore di portata, attacco femmina e testa manuale.**
- *Reverse thermostatic valve N-series with flow rate selector, female connection and manual head.*
- **Robinet thermostatisable à corps renversé série N avec sélecteur de débit, embout femelle et tête manuelle.**
- *Reversthermostatventil Serie N mit Durchfluss-Wählschalter, IG Anschluß und manueller Hebel.*
- **Válvula termostatizable invertida serie N con selector de flujo, conexión hembra y cabeza manual.**

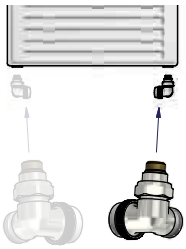
Code	Size	Price	Class	Packaging
500810T	1/2" F x 1/2" M	17,71 €	BC	10 / 80
500810TRC	1/2" F x 1/2" M O-ring	18,35 €	BC	10 / 80

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SINISTRA
LEFT
GAUCHE
LINKS
IZQUIERDA

DESTRA
RIGHT
DROIT
RECHTS
DERECHA



SINISTRA
LEFT
GAUCHE
LINKS
IZQUIERDA

DESTRA
RIGHT
DROIT
RECHTS
DERECHA

VCS 2166 N SX



- **Valvola termostatizzabile coassiale sinistra serie N con selettore di portata, attacco maschio e cappuccio di protezione.**
- *Co-axial left thermostatic valve N-series with flow rate selector, male connection and protection cap.*
- **Robinet thermostatisable coaxial gauche série N avec sélecteur de débit, embout mâle et capuchon de protection.**
- *Koaxiales Thermostatventil links Serie N mit Durchfluss-Wählschalter, AG Anschluß und Schutzkappe.*
- **Válvula termostatizable coaxial izquierda serie N con selector de flujo, conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500519R	EUROK x 3/8" M	20,85 €	BC	10 / 80
500519	EUROK x 1/2" M	20,46 €	BC	10 / 80
500519RCR	EUROK x 3/8" M O-ring	21,41 €	BC	10 / 80
500519RC	EUROK x 1/2" M O-ring	21,12 €	BC	10 / 80

VCD 2166 N DX



- **Valvola termostatizzabile coassiale destra serie N con selettore di portata, attacco maschio e cappuccio di protezione.**
- *Co-axial right thermostatic valve N-series with flow rate selector, male connection and protection cap.*
- **Robinet thermostatisable coaxial droit série N avec sélecteur de débit, embout mâle et capuchon de protection.**
- *Koaxiales Thermostatventil rechts Serie N mit Durchfluss-Wählschalter, AG Anschluß und Schutzkappe.*
- **Válvula termostatizable coaxial derecha serie N con selector de flujo, conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
500431R	EUROK x 3/8" M	20,85 €	BC	10 / 80
500431	EUROK x 1/2" M	20,46 €	BC	10 / 40
500431RCR	EUROK x 3/8" M O-ring	21,41 €	BC	10 / 80
500431RC	EUROK x 1/2" M O-ring	21,12 €	BC	10 / 80

VCS 2166 N SXT



- **Valvola termostatizzabile coassiale sinistra serie N con selettore di portata, attacco maschio e testa manuale.**
- *Co-axial left thermostatic valve N-series with flow rate selector, male connection and manual head.*
- **Robinet thermostatisable coaxial gauche série N avec sélecteur de débit, embout mâle et tête manuelle.**
- *Koaxiales Thermostatventil links Serie N mit Durchfluss-Wählschalter, AG Anschluß und manueller Hebel.*
- **Válvula termostatizable coaxial izquierda serie N con selector de flujo, conexión macho y cabeza manual.**

Code	Size	Price	Class	Packaging
500519TR	EUROK x 3/8" M	22,41 €	BC	10 / 80
500519T	EUROK x 1/2" M	22,02 €	BC	10 / 80
500519TRCR	EUROK x 3/8" M O-ring	22,98 €	BC	10 / 80
500519TRC	EUROK x 1/2" M O-ring	22,69 €	BC	10 / 80

VCD 2166 N DXT



- **Valvola termostatizzabile coassiale destra serie N con selettore di portata, attacco maschio e testa manuale.**
- *Co-axial right thermostatic valve N-series with flow rate selector, male connection and manual head.*
- **Robinet thermostatisable coaxial droit série N avec sélecteur de débit, embout mâle et tête manuelle.**
- *Koaxiales Thermostatventil rechts Serie N mit Durchfluss-Wählschalter, AG Anschluß und manueller Hebel.*
- **Válvula termostatizable coaxial derecha serie N con selector de flujo, conexión macho y cabeza manual.**

Code	Size	Price	Class	Packaging
500431TR	EUROK x 3/8" M	22,41 €	BC	10 / 80
500431T	EUROK x 1/2" M	22,02 €	BC	10 / 80
500431TRCR	EUROK x 3/8" M O-ring	22,98 €	BC	10 / 80
500431TRC	EUROK x 1/2" M O-ring	22,69 €	BC	10 / 80



- **Raccordo per tubo in rame >> p. 59,64,127,428**
- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**

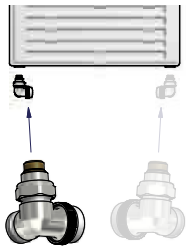


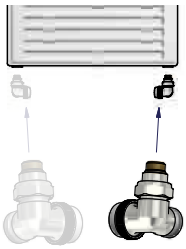
- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >> p. 64,127,212,428**
- *Fitting for polyethylene pipe >> p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >> p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >> p. 64,127,212,428*
- **Conexión para tubo de polietileno >> p. 64,127,212,428**

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VCS 2162 N SX



- **Valvola termostatizzabile coassiale sinistra serie N con selettore di portata, attacco femmina e cappuccio di protezione.**
- *Co-axial left thermostatic valve N-series with flow rate selector, female connection and protection cap.*
- **Robinet thermostatisable coaxial gauche série N avec sélecteur de débit, embout femelle et capuchon de protection.**
- *Koaxiales Thermostatventil links Serie N mit Durchfluss-Wählschalter, IG Anschluß und Schutzkappe.*
- **Válvula termostatizable coaxial izquierda serie N con selector de flujo, conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
506208SX	3/8" F x 3/8" M	20,46 €	BC	10 / 80
500547	1/2" F x 1/2" M	20,46 €	BC	10 / 80
506208SXRC	3/8" F x 3/8" M O-ring	21,76 €	BC	10 / 80
500547RC	1/2" F x 1/2" M O-ring	21,12 €	BC	10 / 80

VCS 2162 N SXT



- **Valvola termostatizzabile coassiale sinistra serie N con selettore di portata, attacco femmina e testa manuale.**
- *Co-axial left thermostatic valve N-series with flow rate selector, female connection and manual head.*
- **Robinet thermostatisable coaxial gauche série N avec sélecteur de débit, embout femelle et tête manuelle.**
- *Koaxiales Thermostatventil links Serie N mit Durchfluss-Wählschalter, IG Anschluß und manueller Hebel.*
- **Válvula termostatizable coaxial izquierda serie N con selector de flujo, conexión hembra y cabeza manual.**

Code	Size	Price	Class	Packaging
506208SXT	3/8" F x 3/8" M	22,02 €	BC	10 / 80
500547T	1/2" F x 1/2" M	22,02 €	BC	10 / 80
506208SXTRC	3/8" F x 3/8" M O-ring	23,32 €	BC	10 / 80
500547TRC	1/2" F x 1/2" M O-ring	22,69 €	BC	10 / 80

VCD 2162 N DX



- **Valvola termostatizzabile coassiale destra serie N con selettore di portata, attacco femmina e cappuccio di protezione.**
- *Co-axial right thermostatic valve N-series with flow rate selector, female connection and protection cap.*
- **Robinet thermostatisable coaxial droit série N avec sélecteur de débit, embout femelle et capuchon de protection.**
- *Koaxiales Thermostatventil rechts Serie N mit Durchfluss-Wählschalter, IG Anschluß und Schutzkappe.*
- **Válvula termostatizable coaxial derecha serie N con selector de flujo, conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
506208DX	3/8" F x 3/8" M	20,46 €	BC	10 / 80
500546	1/2" F x 1/2" M	20,46 €	BC	10 / 80
506208DXRC	3/8" F x 3/8" M O-ring	21,76 €	BC	10 / 80
500546RC	1/2" F x 1/2" M O-ring	21,12 €	BC	10 / 80

VCD 2162 N DXT



- **Valvola termostatizzabile coassiale destra serie N con selettore di portata, attacco femmina e testa manuale.**
- *Co-axial right thermostatic valve N-series with flow rate selector, female connection and manual head.*
- **Robinet thermostatisable coaxial droit série N avec sélecteur de débit, embout femelle et tête manuelle.**
- *Koaxiales Thermostatventil rechts Serie N mit Durchfluss-Wählschalter, IG Anschluß und manueller Hebel.*
- **Válvula termostatizable coaxial derecha serie N con selector de flujo, conexión hembra y cabeza manual.**

Code	Size	Price	Class	Packaging
506208DXT	3/8" F x 3/8" M	22,02 €	BC	10 / 80
500546T	1/2" F x 1/2" M	22,02 €	BC	10 / 80
506208DXTRC	3/8" F x 3/8" M O-ring	23,32 €	BC	10 / 80
500546TRC	1/2" F x 1/2" M O-ring	22,69 €	BC	10 / 80

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VD 2127 N



- **Valvola termostatizzabile diritta serie N con selettore di portata, cappuccio di protezione e attacchi maschio senza bocchettone.**
- *Straight thermostatic valve N-series with flow rate selector, protection cap and male connections without fitting.*
- **Robinet thermostatisable droit série N avec sélecteur de débit, capuchon de protection et embouts mâle sans goulotte.**
- *Durchgangs-Thermostatventil Serie N mit Durchfluss-Wählschalter, Schutzkappe und AG Anschlüße ohne Stutzen.*
- **Válvula termostatizable recta serie N con selector de flujo, capuchón de protección y conexiónes macho sin racor.**

Code	Size	Price	Class	Packaging
500891	EUROK x EUROK	12,74 €	BC	10 / 80

VD 2127 NT



- **Valvola termostatizzabile diritta serie N con selettore di portata, testa manuale e attacchi maschio senza bocchettone.**
- *Straight thermostatic valve N-series with flow rate selector, manual head and male connections without fitting.*
- **Robinet thermostatisable droit série N avec sélecteur de débit, tête manuelle et embouts mâle sans goulotte.**
- *Durchgangs-Thermostatventil Serie N mit Durchfluss-Wählschalter, manueller Hebel und AG Anschlüße ohne Stutzen.*
- **Válvula termostatizable recta serie N con selector de flujo, cabeza manual y conexiónes macho sin racor.**

Code	Size	Price	Class	Packaging
500891T	EUROK x EUROK	14,28 €	BC	10 / 80

VD 2115 N



- **Valvola termostatizzabile diritta serie N con selettore di portata, attacco maschio, bocchettone ad angolo e cappuccio di protezione.**
- *Straight thermostatic valve N-series with flow rate selector, male connection, angle fitting and protection cap.*
- **Robinet thermostatisable droit série N avec sélecteur de débit, embout mâle, goulotte à angle et capuchon de protection.**
- *Durchgangs-Thermostatventil Serie N mit Durchfluss-Wählschalter, AG Anschluß, Winkel-Stutzen und Schutzkappe.*
- **Válvula termostatizable recta serie N con selector de flujo, conexión macho, racor en ángulo y capuchón de protección.**

Code	Size	Price	Class	Packaging
500497	EUROK x 1/2" M	19,46 €	BC	10 / 80

VD 2111 N



- **Valvola termostatizzabile diritta serie N con selettore di portata, attacco femmina, bocchettone ad angolo e cappuccio di protezione.**
- *Straight thermostatic valve N-series with flow rate selector, female connection, angle fitting and protection cap.*
- **Robinet thermostatisable droit série N avec sélecteur de débit, embout femelle, goulotte à angle et capuchon de protection.**
- *Durchgangs-Thermostatventil Serie N mit Durchfluss-Wählschalter, IG Anschluß, Winkel-Stutzen und Schutzkappe.*
- **Válvula termostatizable recta serie N con selector de flujo, conexión hembra, racor en ángulo y capuchón de protección.**

Code	Size	Price	Class	Packaging
500480	1/2" F x 1/2" M	19,73 €	BC	10 / 80



- **Raccordo per tubo in rame >> p. 59,64,127,428**
- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >>p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >>p. 64,127,212,428*
- **Conexión para tubo de polietileno >>p. 64,127,212,428**

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MANUAL VALVES

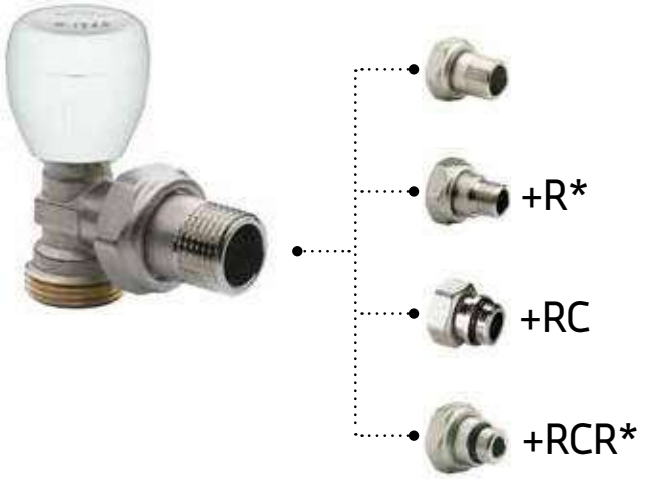
Manual valves are radiator isolation devices with manual operation only. The DRM series also performs double micrometric adjustment of the opening setting, remembering it in case of subsequent shut-offs. Both families of manual valves are available in all figures, with female pipe fittings (DN10-15-20 for iron pipe) or male EUROK fittings, while the radiator fitting can be a standard union with a tapered seal or a soft seal union including O-ring. The respective versions are available with reduced 3/8" thread (for EUROK valves).
In addition to the inlet valve to the radiator, it is advisable to install a lockshield (see appropriate section) at the outlet with shut-off and regulation functions. IVAR lockshields are available in a standard version (300 series) with the same centre-to-centre distance as the corresponding inlet valve. The piping and radiator fittings are similar to those found on the valves.

Materials
Body: nickel-plated brass CW617N
Seals and O-rings: peroxide EPDM

Technical specifications
Max. fluid temperature inside valve: 120 °C
Maximum operating pressure: 10 bar

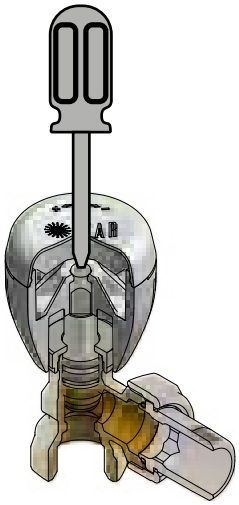
VERSIONS EXAMPLE

	**501567**
 -	501567
 +R	501567**R**
 +RC	501567**RC**
 +RCR	501567**RCR**



* Reduced fitting 3/8" M available only for valves with EUROK connection.

DRM series: double micrometric adjustment and position memory.



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VS 206



- **Valvola manuale a squadra con attacco maschio.**
- *Angle manual valve with male connection.*
- **Robinet manuel équerre avec embout mâle.**
- *Eck-Handbetätigungventil mit AG Anschluß.*
- **Válvula manual de escuadra con conexión macho.**

Code	Size	Price	Class	Packaging
501567R	EUROK x 3/8" M	11,46 €	CA	8 / 64
501567	EUROK x 1/2" M	11,09 €	CA	8 / 64
501567RCR	EUROK x 3/8" M O-ring	12,02 €	CA	8 / 64
501567RC	EUROK x 1/2" M O-ring	11,73 €	CA	8 / 64

VS 202



- **Valvola manuale a squadra con attacco femmina.**
- *Angle manual valve with female connection.*
- **Robinet manuel équerre avec embout femelle.**
- *Eck-Handbetätigungventil mit IG Anschluß.*
- **Válvula manual de escuadra con conexión hembra.**

Code	Size	Price	Class	Packaging
501456	3/8" F x 3/8" M	10,64 €	CA	8 / 64
501457	1/2" F x 1/2" M	11,16 €	CA	8 / 64
501458	3/4" F x 3/4" M	15,80 €	CA	8 / 64
501456RC	3/8" F x 3/8" M O-ring	11,94 €	CA	8 / 64
501457RC	1/2" F x 1/2" M O-ring	11,80 €	CA	8 / 64
501458RC	3/4" F x 3/4" M O-ring	16,84 €	CA	8 / 64

VD 205



- **Valvola manuale diritta con attacco maschio.**
- *Straight manual valve with male connection.*
- **Robinet manuel droit avec embout mâle.**
- *Durchgangs-Handbetätigungventil mit AG Anschluß.*
- **Válvula manual recta con conexión macho.**

Code	Size	Price	Class	Packaging
501459R	EUROK x 3/8" M	11,98 €	CA	8 / 64
501459	EUROK x 1/2" M	11,59 €	CA	8 / 64
501459RCR	EUROK x 3/8" M O-ring	12,53 €	CA	8 / 64
501459RC	EUROK x 1/2" M O-ring	12,23 €	CA	8 / 64

VD 201



- **Valvola manuale diritta con attacco femmina.**
- *Straight manual valve with female connection.*
- **Robinet manuel droit avec embout femelle.**
- *Durchgangs-Handbetätigungventil mit IG Anschluß.*
- **Válvula manual recta con conexión hembra.**

Code	Size	Price	Class	Packaging
501451	3/8" F x 3/8" M	10,72 €	CA	8 / 64
501452	1/2" F x 1/2" M	11,73 €	CA	8 / 64
501453	3/4" F x 3/4" M	16,45 €	CA	8 / 64
501451RC	3/8" F x 3/8" M O-ring	12,01 €	CA	8 / 64
501452RC	1/2" F x 1/2" M O-ring	12,37 €	CA	8 / 64
501453RC	3/4" F x 3/4" M O-ring	17,50 €	CA	8 / 64

VCR 236



- **Valvola manuale a corpo reverso con attacco maschio.**
- *Reverse manual valve with male connection.*
- **Robinet manuel à corps renversé avec embout mâle.**
- *Revershandbetätigungventil mit AG Anschluß.*
- **Válvula manual invertida con conexión macho.**

Code	Size	Price	Class	Packaging
501636	EUROK x 1/2" M	13,61 €	CA	8 / 64
501636RC	EUROK x 1/2" M O-ring	14,25 €	CA	8 / 64

VCR 232



- **Valvola manuale a corpo reverso con attacco femmina.**
- *Reverse manual valve with female connection.*
- **Robinet manuel à corps renversé avec embout femelle.**
- *Revershandbetätigungventil mit IG Anschluß.*
- **Válvula manual invertida con conexión hembra.**

Code	Size	Price	Class	Packaging
501638	1/2" F x 1/2" M	13,97 €	CA	8 / 64
501638RC	1/2" F x 1/2" M O-ring	14,62 €	CA	8 / 64



- **Raccordo per tubo in rame >> p. 59,64,127,428**
- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >>p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >>p. 64,127,212,428*
- **Conexión para tubo de polietileno >>p. 64,127,212,428**

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VS 006 DRM



- **Valvola manuale a squadra serie DRM con attacco maschio.**
- *Angle manual valve DRM-series with male connection.*
- **Robinet manuel équerre série DRM avec embout mâle.**
- *Eck-Handbetätigungventil Serie DRM mit AG Anschluß.*
- **Válvula manual de escuadra serie DRM con conexión macho.**

Code	Size	Price	Class	Packaging
500048R	EUROK x 3/8" M	12,15 €	CC	8 / 64
500048	EUROK x 1/2" M	11,76 €	CC	8 / 64
500048RCR	EUROK x 3/8" M O-ring	12,71 €	CC	8 / 64
500048RC	EUROK x 1/2" M O-ring	12,42 €	CC	8 / 64

VS 002 DRM



- **Valvola manuale a squadra serie DRM con attacco femmina.**
- *Angle manual valve DRM-series with female connection.*
- **Robinet manuel équerre série DRM avec embout femelle.**
- *Eck-Handbetätigungventil Serie DRM mit IG Anschluß.*
- **Válvula manual de escuadra serie DRM con conexión hembra.**

Code	Size	Price	Class	Packaging
500565	3/8" F x 3/8" M	11,06 €	CC	8 / 64
500566	1/2" F x 1/2" M	11,76 €	CC	8 / 64
500567	3/4" F x 3/4" M	16,44 €	CC	8 / 64
500565RC	3/8" F x 3/8" M O-ring	12,36 €	CC	8 / 64
500566RC	1/2" F x 1/2" M O-ring	12,42 €	CC	8 / 64
500567RC	3/4" F x 3/4" M O-ring	17,49 €	CC	8 / 64

VD 005 DRM



- **Valvola manuale diritta serie DRM con attacco maschio.**
- *Straight manual valve DRM-series with male connection.*
- **Robinet manuel droit série DRM avec embout mâle.**
- *Durchgangs-Handbetätigungventil Serie DRM mit AG Anschluß.*
- **Válvula manual recta serie DRM con conexión macho.**

Code	Size	Price	Class	Packaging
500571R	EUROK x 3/8" M	12,54 €	CC	8 / 64
500571	EUROK x 1/2" M	12,17 €	CC	8 / 64
500571RCR	EUROK x 3/8" M O-ring	13,11 €	CC	8 / 64
500571RC	EUROK x 1/2" M O-ring	12,81 €	CC	8 / 64

VD 001 DRM



- **Valvola manuale diritta serie DRM con attacco femmina.**
- *Straight manual valve DRM-series with female connection.*
- **Robinet manuel droit série DRM avec embout femelle.**
- *Durchgangs-Handbetätigungventil Serie DRM mit IG Anschluß.*
- **Válvula manual recta serie DRM con conexión hembra.**

Code	Size	Price	Class	Packaging
500561	3/8" F x 3/8" M	11,38 €	CC	8 / 64
500562	1/2" F x 1/2" M	12,44 €	CC	8 / 64
500563	3/4" F x 3/4" M	16,60 €	CC	8 / 64
500561RC	3/8" F x 3/8" M O-ring	12,67 €	CC	8 / 64
500562RC	1/2" F x 1/2" M O-ring	13,09 €	CC	8 / 64
500563RC	3/4" F x 3/4" M O-ring	17,64 €	CC	8 / 64



- **Raccordo per tubo in rame >> p. 59,64,127,428**
- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >>p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >>p. 64,127,212,428*
- **Conexión para tubo de polietileno >>p. 64,127,212,428**

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LOCKSHIELDS

Aside from the inlet valve to the radiator, a lockshield should be installed at the outlet with shut-off and regulation functions. IVAR lockshields have the female or male pipe connection, while the radiator connection is the standard tapered seal, pipe union with O-ring or reduced 3/8" version (for EUROK valves).

Materials
Body: nickel-plated brass CW617N
Gaskets and O-rings: Peroxide EPDM

Technical characteristics
Max fluid temperature inside valve: 120°C
Maximum operating pressure: 10 bar

VERSIONS EXAMPLE



*Reduced fitting 3/8" M available only for valves with EUROK connection.

	**500053**
 -	500053
 **+R**	500053**R**
 **+RC**	500053**RC**
 **+RCR**	500053**RCR**

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DS 306



- **Detentore a squadra con attacco maschio.**
- *Angle lockshield with male connection.*
- **Coude de réglage avec embout mâle.**
- *Eck-Rücklaufventil mit AG Anschluß.*
- **Detentor de escuadra con conexión macho.**

Code	Size	Price	Class	Packaging
500053R	EUROK x 3/8" M	9,32 €	DA	10 / 80
500053	EUROK x 1/2" M	8,95 €	DA	10 / 80
500053RCR	EUROK x 3/8" M O-ring	9,89 €	DA	10 / 80
500053RC	EUROK x 1/2" M O-ring	9,58 €	DA	10 / 80

DD 305



- **Detentore diritto con attacco maschio.**
- *Straight lockshield with male connection.*
- **Té de réglage avec embout mâle.**
- *Durchgangs-Rücklaufventil mit AG Anschluß.*
- **Detentor recto con conexión macho.**

Code	Size	Price	Class	Packaging
500751R	EUROK x 3/8" M	9,77 €	DA	10 / 80
500751	EUROK x 1/2" M	9,40 €	DA	10 / 80
500751RCR	EUROK x 3/8" M O-ring	10,34 €	DA	10 / 80
500751RC	EUROK x 1/2" M O-ring	10,03 €	DA	10 / 80

DS 302



- **Detentore a squadra con attacco femmina.**
- *Angle lockshield with female connection.*
- **Coude de réglage avec embout femelle.**
- *Eck-Rücklaufventil mit IG Anschluß.*
- **Detentor de escuadra con conexión hembra.**

Code	Size	Price	Class	Packaging
500656	3/8" F x 3/8" M	8,35 €	DA	10 / 80
500652	1/2" F x 1/2" M	9,07 €	DA	10 / 80
500655	3/4" F x 3/4" M	13,73 €	DA	10 / 80
500656RC	3/8" F x 3/8" M O-ring	9,62 €	DA	10 / 80
500652RC	1/2" F x 1/2" M O-ring	9,73 €	DA	10 / 80
500655RC	3/4" F x 3/4" M O-ring	14,76 €	DA	10 / 80

DD 301



- **Detentore diritto con attacco femmina.**
- *Straight lockshield with female connection.*
- **Té de réglage droit avec embout femelle.**
- *Durchgangs-Rücklaufventil mit IG Anschluß.*
- **Detentor recto con conexión hembra.**

Code	Size	Price	Class	Packaging
500647	3/8" F x 3/8" M	8,41 €	DA	10 / 80
500642	1/2" F x 1/2" M	9,61 €	DA	10 / 80
500644	3/4" F x 3/4" M	13,89 €	DA	10 / 80
500647RC	3/8" F x 3/8" M O-ring	9,71 €	DA	10 / 80
500642RC	1/2" F x 1/2" M O-ring	10,26 €	DA	10 / 80
500644RC	3/4" F x 3/4" M O-ring	14,92 €	DA	10 / 80

DS 312



- **Detentore a squadra con attacco a saldare.**
- *Angle lockshield with welding connection.*
- **Coude de réglage avec embout à souder.**
- *Eck-Rücklaufventil mit Lötanschluß.*
- **Detentor de escuadra con conexión para soldar.**

Code	Size	Price	Class	Packaging
500784	Ø15 x 1/2" M	8,54 €	DA	10 / 80

DD 311



- **Detentore diritto con attacco a saldare.**
- *Straight lockshield with welding connection.*
- **Té de réglage avec embout à souder.**
- *Rücklaufventil Durchgangsform mit Lötanschluß.*
- **Detentor recto con conexión para soldar.**

Code	Size	Price	Class	Packaging
500623	Ø15 x 1/2" M	9,07 €	DA	10 / 80

DS 330



- **Detentore a squadra con tubo in rame cromato saldato.**
- *Angle lockshield with welder chrome-plated copper pipe.*
- **Coude de réglage léger avec tube en cuivre chromé soudé.**
- *Eck-Rücklaufventil mit verchromtem geschweißtem Kupferrohr.*
- **Detentor de escuadra con tubo de cobre cromado soldado.**

Code	Size	Price	Class	Packaging
500557	Ø 15 x Ø 15	18,14 €	DA	2 / 70

DD 327



- **Detentore diritto con attacchi maschio senza bocchettone.**
- *Straight lockshield with male connections without fitting.*
- **Té de réglage avec embouts mâle sans goulotte.**
- *Durchgangs-Rücklaufventil mit AG Anschlüße ohne Stutzen.*
- **Detentor recto con conexiónes macho sin racor.**

Code	Size	Price	Class	Packaging
500750	EUROK x EUROK	6,55 €	DA	10 / 80



- **Raccordo per tubo in rame >> p. 59,64,127,428**
- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >>p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >>p. 64,127,212,428*
- **Conexión para tubo de polietileno >>p. 64,127,212,428**

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DD 205



- **Detentore diritto serie pesante con attacco maschio.**
- *Straight lockshield heavy series with male connection.*
- **Té de réglage série lourde avec embout mâle.**
- *Durchgangs-Rücklaufventil schwere Serie mit AG Anschluß.*
- **Detentor recto serie pesada con conexión macho.**

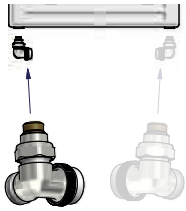
Code	Size	Price	Class	Packaging
520077R	EUROK x 3/8" M	12,93 €	DA	10 / 80
520077	EUROK x 1/2" M	12,53 €	DA	10 / 80
520077RCR	EUROK x 3/8" M O-ring	13,51 €	DA	10 / 80
520077RC	EUROK x 1/2" M O-ring	13,12 €	DA	10 / 80

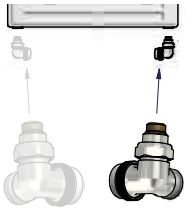
DD 201



- **Detentore diritto serie pesante con attacco femmina.**
- *Straight lockshield heavy series with female connection.*
- **Té de réglage série lourde avec embout femelle.**
- *Durchgangs-Rücklaufventil schwere Serie mit IG Anschluß.*
- **Detentor recto serie pesada con conexión hembra.**

Code	Size	Price	Class	Packaging
520070	3/8" F x 3/8" M	11,41 €	DA	10 / 80
520071	1/2" F x 1/2" M	12,81 €	DA	10 / 80
520072	3/4" F x 3/4" M	19,32 €	DA	8 / 64
520070RC	3/8" F x 3/8" M O-ring	12,00 €	DA	10 / 80
520071RC	1/2" F x 1/2" M O-ring	13,40 €	DA	10 / 80
520072RC	3/4" F x 3/4" M O-ring	19,97 €	DA	8 / 64





DCS 216 SX



- **Detentore coassiale sinistro serie pesante con attacco maschio.**
- *Co-axial left lockshield heavy series with male connection.*
- **Raccord de réglage coaxial gauche série lourde avec embout mâle.**
- *Koaxiales Rücklaufventil links schwere Serie mit AG Anschluß.*
- **Detentor coaxial izquierdo serie pesada con conexión macho.**

Code	Size	Price	Class	Packaging
520085R	EUROK x 3/8" M	17,22 €	DA	10 / 80
520085	EUROK x 1/2" M	16,84 €	DA	10 / 80
520085RCR	EUROK x 3/8" M O-ring	17,81 €	DA	10 / 80
520085RC	EUROK x 1/2" M O-ring	17,41 €	DA	10 / 80

DCD 216 DX



- **Detentore coassiale destro serie pesante con attacco maschio.**
- *Co-axial right lockshield heavy series with male connection.*
- **Raccord de réglage coaxial droit série lourde avec embout mâle.**
- *Koaxiales Rücklaufventil rechts schwere Serie mit AG Anschluß.*
- **Detentor coaxial derecho serie pesada con conexión macho.**

Code	Size	Price	Class	Packaging
520084R	EUROK x 3/8" M	17,22 €	DA	10 / 80
520084	EUROK x 1/2" M	16,84 €	DA	10 / 80
520084RCR	EUROK x 3/8" M O-ring	17,81 €	DA	10 / 80
520084RC	EUROK x 1/2" M O-ring	17,41 €	DA	10 / 80

DCS 212 SX



- **Detentore coassiale sinistro serie pesante con attacco femmina.**
- *Co-axial left lockshield heavy series with female connection.*
- **Raccord de réglage coaxial gauche série lourde avec embout femelle.**
- *Koaxiales Rücklaufventil links schwere Serie mit IG Anschluß.*
- **Detentor coaxial izquierdo serie pesada con conexión hembra.**

Code	Size	Price	Class	Packaging
520111	3/8" F x 3/8" M	16,89 €	DA	10 / 80
520081	1/2" F x 1/2" M	16,89 €	DA	10 / 80
520111RC	3/8" F x 3/8" M O-ring	17,49 €	DA	10 / 80
520081RC	1/2" F x 1/2" M O-ring	17,49 €	DA	10 / 80

DCD 212 DX



- **Detentore coassiale destro serie pesante con attacco femmina.**
- *Co-axial right lockshield heavy series with female connection.*
- **Raccord de réglage coaxial droit série lourde avec embout femelle.**
- *Koaxiales Rücklaufventil rechts schwere Serie mit IG Anschluß.*
- **Detentor coaxial derecho serie pesada con conexión hembra.**

Code	Size	Price	Class	Packaging
520110	3/8" F x 3/8" M	16,89 €	DA	10 / 80
520080	1/2" F x 1/2" M	16,89 €	DA	10 / 80
520110RC	3/8" F x 3/8" M O-ring	17,49 €	DA	10 / 80
520080RC	1/2" F x 1/2" M O-ring	17,49 €	DA	10 / 80

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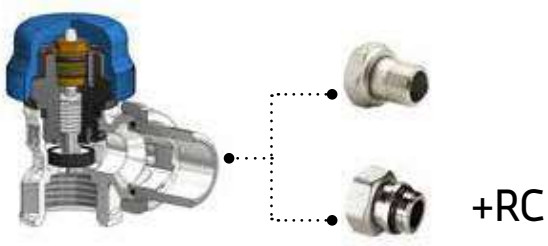
BASIC SERIES VALVES

Thermostatic and manual valves series "Basic" provides IVAR quality in a range of functional basic components. Liquid-expansion head T 1500 can be perfectly fitted to the valves of "Basic" series, or with any other IVAR valve suitable to thermostatic command. "Basic" product line is completed by valves suitable to thermostatic or manual control, and lockshield valves. All valves are available in angled pattern, with 3/8" or 1/2" male and 1/2" female pipe connection. Radiator connection can be either standard tapered seal or union with o-ring.

Materials
Valve body: brass CW617N
Gaskets and O-rings: Peroxide EPDM
Thermostatic valves insert: PPA +60% heat stabilized FV
Thermostatic head knob: ABS (RAL 9003)
Head thermostat: liquid expansion

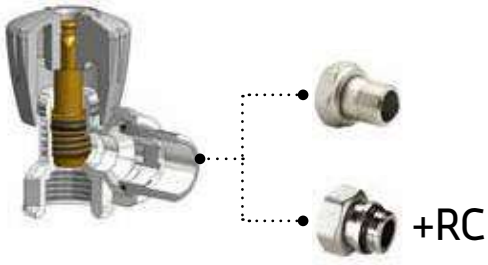
Technical characteristics
Max fluid temperature inside valve: 100°C
Maximum operating pressure: 10 bar
Max valve differential pressure with thermostatic head installed: 0.25 bar
Response time Z: < 40 min

THERMOSTATIC VALVES - VERSIONS EXAMPLE



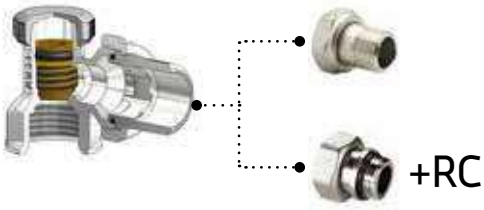
	 -	 **+RC**
510220	510220	510220**RC**

MANUAL VALVES - VERSIONS EXAMPLE



	 -	 **+RC**
510221	510221	510221**RC**

LOCKSHIELD VALVES - VERSIONS EXAMPLE



	 -	 **+RC**
510222	510222	510222**RC**

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T 1500



- **Testa termostatica con comando e sensore a espansione di liquido incorporati.**
- *Thermostatic head with incorporated command and liquid expansion sensor.*
- **Tête thermostatique avec commande et senseur à expansion de liquide incorporés.**
- *Thermostat-Kopf mit eingebauten Steuerung und Flüssigkeitsausdehnung Fühler.*
- **Cabeza termostática con mando y sensor de expansión de líquido incorporados.**

Code	Size	Z	Range	Color	Price	Class	Packaging
502843	M28 x 1,5	< 40 min	6,5-28 °C	☐	14,50 €	AA	16 / 128
502841	M30 x 1,5	< 40 min	6,5-28 °C	☐	14,50 €	AA	16 / 128

VS 1104



- **Valvola termostatizzabile a squadra serie BASIC con attacco maschio e cappuccio di protezione.**
- *Angle thermostatic valve BASIC series with male connection and protection cap.*
- **Robinet thermostatisable équerre série BASIC avec embout mâle et capuchon de protection.**
- *Eck-Thermostatventil Serie BASIC mit AG Anschluß und Schutzkappe.*
- **Válvula de escuadra termostatizable serie BASIC con conexión macho y capuchón de protección.**

Code	Size	Price	Class	Packaging
510226	1/2" M x 3/8" M	11,06 €	BA	10 / 80
510220	1/2" M x 1/2" M	11,12 €	BA	10 / 80
510226RC	1/2" M x 3/8" M O-ring	11,19 €	BA	10 / 80
510220RC	1/2" M x 1/2" M O-ring	11,70 €	BA	10 / 80

VS 1102



- **Valvola termostatizzabile a squadra serie BASIC con attacco femmina e cappuccio di protezione.**
- *Angle thermostatic valve BASIC series with female connection and protection cap.*
- **Robinet thermostatisable équerre série BASIC avec embout femelle et capuchon de protection.**
- *Eck-Thermostatventil Serie BASIC mit IG Anschluß und Schutzkappe.*
- **Válvula de escuadra termostatizable serie BASIC con conexión hembra y capuchón de protección.**

Code	Size	Price	Class	Packaging
510212	1/2" F x 1/2" M	11,35 €	BA	10 / 80
510212RC	1/2" F x 1/2" M O-ring	11,92 €	BA	10 / 80

VS 104



- **Valvola manuale a squadra serie BASIC con attacco maschio.**
- *Angle manual valve BASIC series with male connection.*
- **Robinet manuel équerre série BASIC avec embout mâle.**
- *Eck-Handbetätigungventil Serie BASIC mit AG Anschluß.*
- **Válvula manual de escuadra serie BASIC con conexión macho.**

Code	Size	Price	Class	Packaging
510227	1/2" M x 3/8" M	9,77 €	CA	10 / 80
510221	1/2" M x 1/2" M	9,83 €	CA	10 / 80
510227RC	1/2" M x 3/8" M O-ring	9,92 €	CA	10 / 80
510221RC	1/2" M x 1/2" M O-ring	10,42 €	CA	10 / 80

VS 102



- **Valvola manuale a squadra serie BASIC con attacco femmina.**
- *Angle manual valve BASIC series with female connection.*
- **Robinet manuel équerre série BASIC avec embout femelle.**
- *Eck-Handbetätigungventil Serie BASIC mit IG Anschluß.*
- **Válvula manual de escuadra serie BASIC con conexión hembra.**

Code	Size	Price	Class	Packaging
510215	1/2" F x 1/2" M	9,98 €	CA	10 / 80
510215RC	1/2" F x 1/2" M O-ring	10,58 €	CA	10 / 80

DS 404



- **Detentore a squadra serie BASIC con attacco maschio.**
- *Angle lockshield BASIC series with male connection.*
- **Coude de réglage série BASIC avec embout mâle.**
- *Eck-Rücklaufventil Serie BASIC mit AG Anschluß.*
- **Detentor de escuadra serie BASIC con conexión macho.**

Code	Size	Price	Class	Packaging
510228	1/2" M x 3/8" M	7,80 €	DA	10 / 80
510222	1/2" M x 1/2" M	7,80 €	DA	10 / 80
510228RC	1/2" M x 3/8" M O-ring	7,96 €	DA	10 / 80
510222RC	1/2" M x 1/2" M O-ring	8,40 €	DA	10 / 80

DS 402

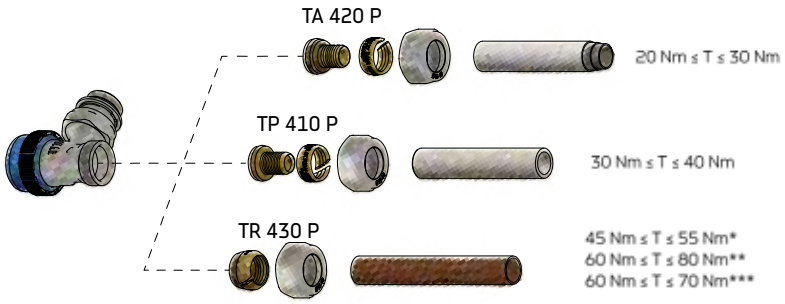


- **Detentore a squadra serie BASIC con attacco femmina.**
- *Angle lockshield BASIC series with female connection.*
- **Coude de réglage série BASIC avec embout femelle.**
- *Eck-Rücklaufventil Serie BASIC mit IG Anschluß.*
- **Detentor de escuadra serie BASIC con conexión hembra.**

Code	Size	Price	Class	Packaging
510218	1/2" F x 1/2" M	7,94 €	DA	10 / 80
510218RC	1/2" F x 1/2" M O-ring	8,53 €	DA	10 / 80

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Suitable fittings for valves and lockshields BASIC series with 1/2" M and M24x1,5 connections



- **T = Coppia max. di serraggio. |*Rame ricotto. |**Rame semiduro. |***Acciaio dolce.**
- *T = Max. tightening torque. |*Soft copper. |**Semi-hard copper. |***Mild steel.*
- **T = Couple de serrage max. |*Cuivre recuit. |**Cuivre semi-rigide. |***Acier doux.**
- *T = Max. Anzugsdrehmoment. |*Geglühtes Kupfer. |**Mittelfestes Kupfer. |***Weichstahl.*
- **T = Par de apriete max. |*Cobre recocido. |**Cobre semiduro. |***Acero dulce.**

TA 420 P



- **Raccordo 1/2" F per tubo multistrato e in polietilene.**
- *1/2" F fitting for multilayer and polyethylene pipe.*
- **Raccord 1/2" F pour tube multicouches et en polyéthylène.**
- *Verschraubung 1/2" IG für Verbund- und für Polyäthylen-Rohr.*
- **Conexión 1/2" F para tubo multicapa y de polietileno.**

Code	Size	Color	Price	Class	Packaging
506265	1/2" F x 14/2 (for multilayer pipe only)		3,138 €	JA	50 / 400
500759	1/2" F x 16/2		3,138 €	JA	40 / 320
506267	1/2" F x 16/2,25 (for multilayer pipe only)		3,138 €	JA	50 / 400

TR 430 P



- **Raccordo 1/2" F a stringere per tubo rame ed acciaio dolce con bussola in NBR.**
- *1/2" F fitting for copper and mild steel pipe with NBR bushing.*
- **Raccord 1/2" F pour tube en cuivre et en acier doux avec douille en NBR.**
- *Verschraubung 1/2" IG für Kupferrohre und Weichstahlrohre mit Hülsen aus NBR.*
- **Conexión 1/2" F para tubo de cobre y acero dulce con buje en NBR.**

Code	Size	Color	Price	Class	Packaging
506260	1/2" F x 10/1		2,659 €	JA	50 / 400
506261	1/2" F x 12/1		2,659 €	JA	50 / 400
506262	1/2" F x 14/1		2,659 €	JA	50 / 400
506263	1/2" F x 15/1		2,935 €	JA	50 / 400
506264	1/2" F x 16/1		2,935 €	JA	50 / 400

TP 410 P



- **Raccordo 1/2" F per tubo in polietilene.**
- *1/2" F fitting for polyethylene pipe.*
- **Raccord 1/2" F pour tube en polyéthylène.**
- *Verschraubung 1/2" IG für Polyäthylen-Rohr.*
- **Conexión 1/2" F para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
506268	1/2" F x 12/1,1		3,138 €	JA	50 / 200
506269	1/2" F x 12/2		3,138 €	JA	50 / 200
506272	1/2" F x 15/2,5		3,138 €	JA	50 / 200
506273	1/2" F x 16/1,5		3,138 €	JA	50 / 200
506275	1/2" F x 16/2,2		3,138 €	JA	50 / 200

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RADIATOR KITS

STANDARD SERIES

KS 306 B



- **Kit a squadra standard con attacco maschio.**
- *Angle kit standard with male connection.*
- **Kit équerre standard avec embout mâle.**
- *Eck-Bausatz standard mit AG Anschluß.*
- **Conjunto de escuadra estándar con conexión macho.**

Code	Actuator	Size	Price	Class	Packaging
520188SB	T 1500	EUROK x 3/8" M	37,21 €	BN	1 / 32
520181SB	T 1500	EUROK x 1/2" M	36,47 €	BN	1 / 32
520188SBRC	T 1500	EUROK x 3/8" M O-ring	38,34 €	BN	1 / 32
520181SBRC	T 1500	EUROK x 1/2" M O-ring	37,74 €	BN	1 / 32

KS 306 L



- **Kit a squadra standard con attacco maschio.**
- *Angle kit standard with male connection.*
- **Kit équerre standard avec embout mâle.**
- *Eck-Bausatz standard mit AG Anschluß.*
- **Conjunto de escuadra estándar con conexión macho.**

Code	Actuator	Size	Price	Class	Packaging
520188SL	T 5000	EUROK x 3/8" M	40,83 €	BN	1 / 32
520181SL	T 5000	EUROK x 1/2" M	40,08 €	BN	1 / 32
520188SLRC	T 5000	EUROK x 3/8" M O-ring	41,96 €	BN	1 / 32
520181SLRC	T 5000	EUROK x 1/2" M O-ring	41,36 €	BN	1 / 32

KD 305 B



- **Kit diritto standard con attacco maschio.**
- *Straight kit standard with male connection.*
- **Kit droit standard avec embout mâle.**
- *Durchgangs-Bausatz standard mit AG Anschluß.*
- **Conjunto recto estándar con conexión macho.**

Code	Actuator	Size	Price	Class	Packaging
520189SB	T 1500	EUROK x 3/8" M	38,84 €	BN	1 / 32
520180SB	T 1500	EUROK x 1/2" M	38,09 €	BN	1 / 32
520189SBRC	T 1500	EUROK x 3/8" M O-ring	39,96 €	BN	1 / 32
520180SBRC	T 1500	EUROK x 1/2" M O-ring	39,37 €	BN	1 / 32

KD 305 L



- **Kit diritto standard con attacco maschio.**
- *Straight kit standard with male connection.*
- **Kit droit standard avec embout mâle.**
- *Durchgangs-Bausatz standard mit AG Anschluß.*
- **Conjunto recto estándar con conexión macho.**

Code	Actuator	Size	Price	Class	Packaging
520189SL	T 5000	EUROK x 3/8" M	42,45 €	BN	1 / 32
520180SL	T 5000	EUROK x 1/2" M	41,71 €	BN	1 / 32
520189SLRC	T 5000	EUROK x 3/8" M O-ring	43,58 €	BN	1 / 32
520180SLRC	T 5000	EUROK x 1/2" M O-ring	42,99 €	BN	1 / 32

KS 302 B



- **Kit a squadra standard con attacco femmina.**
- *Angle kit standard with female connection*
- **Kit équerre standard avec embout femelle**
- *Eck-Bausatz standard mit IG Anschluß.*
- **Conjunto de escuadra estándar con conexión hembra.**

Code	Actuator	Size	Price	Class	Packaging
520177SB	T 1500	3/8" F x 3/8" M	34,71 €	BN	1 / 32
520178SB	T 1500	1/2" F x 1/2" M	36,91 €	BN	1 / 32
520179SB	T 1500	3/4" F x 3/4" M	48,41 €	BN	1 / 15
520177SBRC	T 1500	3/8" F x 3/8" M O-ring	37,27 €	BN	1 / 32
520178SBRC	T 1500	1/2" F x 1/2" M O-ring	38,19 €	BN	1 / 32
520179SBRC	T 1500	3/4" F x 3/4" M O-ring	50,47 €	BN	1 / 15

KS 302 L



- **Kit a squadra standard con attacco femmina.**
- *Angle kit standard with female connection*
- **Kit équerre standard avec embout femelle**
- *Eck-Bausatz standard mit IG Anschluß.*
- **Conjunto de escuadra estándar con conexión hembra.**

Code	Actuator	Size	Price	Class	Packaging
520177SL	T 5000	3/8" F x 3/8" M	38,34 €	BN	1 / 32
520178SL	T 5000	1/2" F x 1/2" M	40,52 €	BN	1 / 32
520179SL	T 5000	3/4" F x 3/4" M	52,03 €	BN	1 / 15
520177SLRC	T 5000	3/8" F x 3/8" M O-ring	40,89 €	BN	1 / 32
520178SLRC	T 5000	1/2" F x 1/2" M O-ring	41,81 €	BN	1 / 32
520179SLRC	T 5000	3/4" F x 3/4" M O-ring	54,08 €	BN	1 / 15

KD 301 B



- **Kit diritto standard con attacco femmina.**
- *Straight kit standard with female connection.*
- **Kit droit standard avec embout femelle.**
- *Durchgangs-Bausatz standard mit IG Anschluß.*
- **Conjunto recto estándar con conexión hembra.**

Code	Actuator	Size	Price	Class	Packaging
520174SB	T 1500	3/8" F x 3/8" M	36,10 €	BN	1 / 32
520175SB	T 1500	1/2" F x 1/2" M	38,60 €	BN	1 / 32
520176SB	T 1500	3/4" F x 3/4" M	49,84 €	BN	1 / 15
520174SBRC	T 1500	3/8" F x 3/8" M O-ring	38,69 €	BN	1 / 32
520175SBRC	T 1500	1/2" F x 1/2" M O-ring	39,89 €	BN	1 / 32
520176SBRC	T 1500	3/4" F x 3/4" M O-ring	51,90 €	BN	1 / 15

KD 301 L



- **Kit diritto standard con attacco femmina.**
- *Straight kit standard with female connection.*
- **Kit droit standard avec embout femelle.**
- *Durchgangs-Bausatz standard mit IG Anschluß.*
- **Conjunto recto estándar con conexión hembra.**

Code	Actuator	Size	Price	Class	Packaging
520174SL	T 5000	3/8" F x 3/8" M	39,72 €	BN	1 / 32
520175SL	T 5000	1/2" F x 1/2" M	42,22 €	BN	1 / 32
520176SL	T 5000	3/4" F x 3/4" M	53,46 €	BN	1 / 15
520174SLRC	T 5000	3/8" F x 3/8" M O-ring	42,31 €	BN	1 / 32
520175SLRC	T 5000	1/2" F x 1/2" M O-ring	43,51 €	BN	1 / 32
520176SLRC	T 5000	3/4" F x 3/4" M O-ring	55,52 €	BN	1 / 15

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N SERIES (with flow rate selector)



KS 306 BN



- **Kit a squadra serie N con attacco maschio.**
- *Angle kit N-series with male connection.*
- **Kit équerre série N avec embout mâle.**
- *Eck-Bausatz Serie N mit AG Anschluß.*
- **Conjunto de escuadra serie N con conexión macho.**

Code	Actuator	Size	Price	Class	Packaging
520188VB	T 1500	EUROK x 3/8" M	38,54 €	BN	1 / 32
520181VB	T 1500	EUROK x 1/2" M	37,80 €	BN	1 / 32
520188VBRC	T 1500	EUROK x 3/8" M O-ring	39,67 €	BN	1 / 32
520181VBRC	T 1500	EUROK x 1/2" M O-ring	39,09 €	BN	1 / 32

KS 306 LN



- **Kit a squadra serie N con attacco maschio.**
- *Angle kit N-series with male connection.*
- **Kit équerre série N avec embout mâle.**
- *Eck-Bausatz Serie N mit AG Anschluß.*
- **Conjunto de escuadra serie N con conexión macho.**

Code	Actuator	Size	Price	Class	Packaging
520188VL	T 5000	EUROK x 3/8" M	42,17 €	BN	1 / 32
520181VL	T 5000	EUROK x 1/2" M	41,43 €	BN	1 / 32
520188VLRC	T 5000	EUROK x 3/8" M O-ring	43,29 €	BN	1 / 32
520181VLRC	T 5000	EUROK x 1/2" M O-ring	42,70 €	BN	1 / 32

KD 305 BN



- **Kit diritto serie N con attacco maschio.**
- *Straight kit N-series with male connection.*
- **Kit droit série N avec embout mâle.**
- *Durchgangs-Bausatz Serie N mit AG Anschluß.*
- **Conjunto recto serie N con conexión macho.**

Code	Actuator	Size	Price	Class	Packaging
520189VB	T 1500	EUROK x 3/8" M	40,18 €	BN	1 / 32
520180VB	T 1500	EUROK x 1/2" M	39,43 €	BN	1 / 32
520189VBRC	T 1500	EUROK x 3/8" M O-ring	41,30 €	BN	1 / 32
520180VBRC	T 1500	EUROK x 1/2" M O-ring	40,71 €	BN	1 / 32

KD 305 LN



- **Kit diritto serie N con attacco maschio.**
- *Straight kit N-series with male connection.*
- **Kit droit série N avec embout mâle.**
- *Durchgangs-Bausatz Serie N mit AG Anschluß.*
- **Conjunto recto serie N con conexión macho.**

Code	Actuator	Size	Price	Class	Packaging
520189VL	T 5000	EUROK x 3/8" M	43,81 €	BN	1 / 32
520180VL	T 5000	EUROK x 1/2" M	43,05 €	BN	1 / 32
520189VLRC	T 5000	EUROK x 3/8" M O-ring	44,93 €	BN	1 / 32
520180VLRC	T 5000	EUROK x 1/2" M O-ring	44,34 €	BN	1 / 32

KS 302 BN



- **Kit a squadra serie N con attacco femmina.**
- *Angle kit N-series with female connection.*
- **Kit équerre série N avec embout femelle.**
- *Eck-Bausatz Serie N mit IG Anschluß.*
- **Conjunto de escuadra serie N con conexión hembra.**

Code	Actuator	Size	Price	Class	Packaging
520177VB	T 1500	3/8" F x 3/8" M	36,06 €	BN	1 / 32
520178VB	T 1500	1/2" F x 1/2" M	38,24 €	BN	1 / 32
520179VB	T 1500	3/4" F x 3/4" M	49,75 €	BN	1 / 15
520177VBRC	T 1500	3/8" F x 3/8" M O-ring	38,63 €	BN	1 / 32
520178VBRC	T 1500	1/2" F x 1/2" M O-ring	39,54 €	BN	1 / 32
520179VBRC	T 1500	3/4" F x 3/4" M O-ring	51,82 €	BN	1 / 15

KS 302 LN



- **Kit a squadra serie N con attacco femmina.**
- *Angle kit N-series with female connection.*
- **Kit équerre série N avec embout femelle.**
- *Eck-Bausatz Serie N mit IG Anschluß.*
- **Conjunto de escuadra serie N con conexión hembra.**

Code	Actuator	Size	Price	Class	Packaging
520177VL	T 5000	3/8" F x 3/8" M	39,67 €	BN	1 / 32
520178VL	T 5000	1/2" F x 1/2" M	41,86 €	BN	1 / 32
520179VL	T 5000	3/4" F x 3/4" M	53,37 €	BN	1 / 15
520177VLRC	T 5000	3/8" F x 3/8" M O-ring	42,25 €	BN	1 / 32
520178VLRC	T 5000	1/2" F x 1/2" M O-ring	43,15 €	BN	1 / 32
520179VLRC	T 5000	3/4" F x 3/4" M O-ring	55,45 €	BN	1 / 15

KD 301 BN



- **Kit diritto serie N con attacco femmina.**
- *Straight kit N-series with female connection.*
- **Kit droit série N avec embout femelle.**
- *Durchgangs-Bausatz Serie N mit IG Anschluß.*
- **Conjunto recto serie N con conexión hembra.**

Code	Actuator	Size	Price	Class	Packaging
520174VB	T 1500	3/8" F x 3/8" M	37,47 €	BN	1 / 32
520175VB	T 1500	1/2" F x 1/2" M	39,93 €	BN	1 / 32
520176VB	T 1500	3/4" F x 3/4" M	51,20 €	BN	1 / 15
520174VBRC	T 1500	3/8" F x 3/8" M O-ring	40,05 €	BN	1 / 32
520175VBRC	T 1500	1/2" F x 1/2" M O-ring	41,23 €	BN	1 / 32
520176VBRC	T 1500	3/4" F x 3/4" M O-ring	53,26 €	BN	1 / 15

KD 301 LN



- **Kit diritto serie N con attacco femmina.**
- *Straight kit N-series with female connection.*
- **Kit droit série N avec embout femelle.**
- *Durchgangs-Bausatz Serie N mit IG Anschluß.*
- **Conjunto recto serie N con conexión hembra.**

Code	Actuator	Size	Price	Class	Packaging
520174VL	T 5000	3/8" F x 3/8" M	41,09 €	BN	1 / 32
520175VL	T 5000	1/2" F x 1/2" M	43,56 €	BN	1 / 32
520176VL	T 5000	3/4" F x 3/4" M	54,83 €	BN	1 / 15
520174VLRC	T 5000	3/8" F x 3/8" M O-ring	43,66 €	BN	1 / 32
520175VLRC	T 5000	1/2" F x 1/2" M O-ring	44,85 €	BN	1 / 32
520176VLRC	T 5000	3/4" F x 3/4" M O-ring	56,88 €	BN	1 / 15

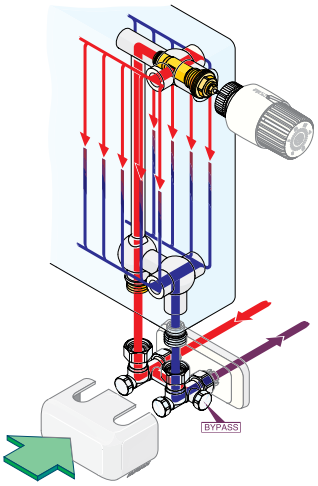
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H VALVES

Four-port valves are necessary when the inlet and outlet connections of the radiator are located at the same spot. Radiators with built-in taps and fittings use DS/DD series H valves for two pipe plants, or with adjustable bypass for single pipe plants.
A thermostatic headwork can be installed on the delivery line (type H and type D, depending on the seat model used by the radiator manufacturer) by screwing it directly onto the radiator inlet.
VS/VD H valves can be adapted to radiant plates, incorporating both the thermostatic valve with flow rate pre-regulation and the lockshield.
All IVAR H valves are available for systems with floor and wall connections.

Materials
Body: nickel-plated brass CW617N
Gaskets and O-rings: Peroxide EPDM

Technical characteristics
Max fluid temperature inside valve: 120°C
Maximum operating pressure: 10 bar



DS 346



- **Valvola H con attacco maschio per impianti bitubo con derivazioni a parete.**
- *H valve with male connection for double pipe systems with wall pipes.*
- **Pièce H avec embout mâle pour systèmes bitube avec dérivations murales.**
- *Zweirohr-Hahnblock Eckform mit AG Anschluß.*
- **Válvula H con conexión macho para sistemas bitubo con derivaciones de pared.**

Code	Size	Price	Class	Packaging
500848	EUROK x 3/4" EUROK swivel	18,88 €	EA	6 / 48
500848B	EUROK x 1/2" M O-ring	22,88 €	EA	6 / 48

DD 345



- **Valvola H con attacco maschio per impianti bitubo con derivazioni a pavimento.**
- *H valve with male connection for double pipe systems with floor pipes.*
- **Pièce H avec embout mâle pour systèmes bitube avec dérivations au sol.**
- *Zweirohr-Hahnblock Durchgangsform mit AG Anschluß.*
- **Válvula H con conexión macho para sistemas bitubo con derivaciones de suelo.**

Code	Size	Price	Class	Packaging
500845	EUROK x 3/4" EUROK swivel	19,07 €	EA	6 / 48
500845B	EUROK x 1/2" M O-ring	23,11 €	EA	6 / 48

DS 356



- **Valvola H con attacco maschio per impianti monotubo/bitubo (con bypass regolabile 50-100%) con derivazioni a parete.**
- *H valve with male connection for single/double pipe systems (with adjustable bypass 50-100%) with wall pipes.*
- **Pièce H avec embout mâle pour systèmes monotube/bitube (avec bypass réglable 50-100%) avec dérivations murales.**
- *Ein-/Zweirohr-Hahnblock (mit regelbarer Bypass 50-100%) Eckform mit AG Anschluß.*
- **Válvula H con conexión macho para sistemas monotubo/bitubo (con bypass ajustable 50-100%) con derivaciones de pared.**

Code	Size	Price	Class	Packaging
500323	EUROK x 3/4" EUROK swivel	25,19 €	EA	6 / 48
500323B	EUROK x 1/2" M O-ring	29,21 €	EA	6 / 48

DD 355



- **Valvola H con attacco maschio per impianti monotubo/bitubo (con bypass regolabile 50-100%) con derivazioni a pavimento.**
- *H valve with male connection for single/double pipe systems (with adjustable bypass 50-100%) with floor pipes.*
- **Pièce H avec embout mâle pour systèmes monotube/bitube (avec bypass réglable 50-100%) avec dérivations au sol.**
- *Ein-/Zweirohr-Hahnblock (mit regelbarer Bypass 50-100%) Durchgangsform mit AG Anschluß.*
- **Válvula H con conexión macho para sistemas monotubo/bitubo (con bypass ajustable 50-100%) con derivaciones de suelo.**

Code	Size	Price	Class	Packaging
500317	EUROK x 3/4" EUROK swivel	24,96 €	EA	6 / 48
500317B	EUROK x 1/2" M O-ring	29,00 €	EA	6 / 48

AVK 02



- **Carter universale per valvole H.**
- *Universal cover for H valves.*
- **Carter universel pour pièces H.**
- *Universalgehäuse für Hahnblocke.*
- **Tapa universal para válvulas H**

Code	Color	Price	Class	Packaging
501217	☐	1,933 €	EC	120

AVK 01



- **Adattatore per serie OPTIMA, detentori serie VK e valvole H.**
- *Adapter for OPTIMA series, VK series lockshields and H valves.*
- **Adaptateur pour sèrie OPTIMA, coudes et tés de réglage série VK et pièces H.**
- *Adapter für Serie OPTIMA, Absperrungen der Serie VK und H-Ventile.*
- **Adaptador para serie OPTIMA, detentores serie VK y válvulas H**

Code	Size	Color	Price	Class	Packaging
500770	EUROK x 1/2" M O-ring	■	1,996 €	EC	80 / 640

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VIT 51



- **Vitone termostatico con selettore di portata per valvola incorporata nel corpo scaldante tipo H.**
- *Thermostatic headwork with flow rate selector for valve incorporated in the heating element H-type.*
- **Insert thermostatique avec sélecteur de débit pour vanne incorporée dans le corps chauffant type H.**
- *Thermostat- Einsatz mit Durchfluss-Wählschalter für in dem Heizkörper eingebaut Ventil Typ H.*
- **Tornillo termostático con selector de flujo para válvula integrada en el radiador tipo H.**

Code	Range	Price	Class	Packaging
500423	KV 0,1 - 0,6 (N SERIES)	10,31 €	EC	200

VIT 52



- **Vitone termostatico con selettore di portata per valvola incorporata nel corpo scaldante tipo D.**
- *Thermostatic headwork with flow rate selector for valve incorporated in the heating element D-type.*
- **Insert thermostatique avec sélecteur de débit pour vanne incorporée dans le corps chauffant type D.**
- *Thermostat- Einsatz mit Durchfluss-Wählschalter für in dem Heizkörper eingebaut Ventil Typ D.*
- **Tornillo termostático con selector de flujo para válvula integrada en el radiador tipo D.**

Code	Range	Price	Class	Packaging
500424	KV 0,1 - 0,6 (N SERIES)	10,45 €	EC	200

VS 2146



- **Valvola H termostatizzabile serie N con attacco maschio per impianti bitubo con derivazioni a parete.**
- *H thermostatic valve N-series with male connection for double pipe systems with wall pipes.*
- **Pièce H thermostatisable série N avec embout mâle pour systèmes bitube avec dérivations murales.**
- *Zweirohr-H-Thermostatventil Serie N Eckform mit AG Anschluß.*
- **Válvula H termostatizable serie N con conexión macho para sistemas bitubo con derivaciones de pared.**

Code	Size	Price	Class	Packaging
500831	EUROK x 1/2" M O-ring	33,14 €	BC	5 / 40

VS 2156



- **Valvola H termostatizzabile serie N con attacco maschio per impianti bitubo con derivazioni a parete.**
- *H thermostatic valve N-series with male connection for double pipe systems with wall pipes.*
- **Pièce H thermostatisable série N avec embout mâle pour systèmes bitube avec dérivations murales.**
- *Zweirohr-H-Thermostatventil Serie N Eckform mit AG Anschluß.*
- **Válvula H termostatizable serie N con conexión macho para sistemas bitubo con derivaciones de pared.**

Code	Size	Price	Class	Packaging
501826	EUROK x 1/2" M O-ring (AVK 01)	36,60 €	BC	5 / 40

VD 2145



- **Valvola H termostatizzabile serie N con attacco maschio per impianti bitubo con derivazioni a pavimento.**
- *H thermostatic valve N-series with male connection for double pipe systems with floor pipes.*
- **Pièce H thermostatisable série N avec embout mâle pour systèmes bitube avec dérivations au sol.**
- *Zweirohr-H-Thermostatventil Serie N Durchgangsform mit AG Anschluß.*
- **Válvula H termostatizable serie N con conexión macho para sistemas bitubo con derivaciones de suelo.**

Code	Size	Price	Class	Packaging
500823	EUROK x 1/2" M O-ring	31,18 €	BC	6 / 48

VD 2155



- **Valvola H termostatizzabile serie N con attacco maschio per impianti bitubo con derivazioni a pavimento.**
- *H thermostatic valve N-series with male connection for double pipe systems with floor pipes.*
- **Pièce H thermostatisable série N avec embout mâle pour systèmes bitube avec dérivations au sol.**
- *Zweirohr-H-Thermostatventil Serie N Durchgangsform mit AG Anschluß.*
- **Válvula H termostatizable serie N con conexión macho para sistemas bitubo con derivaciones de suelo.**

Code	Size	Price	Class	Packaging
501823	EUROK x 1/2" M O-ring (AVK 01)	34,91 €	BC	6 / 48



- **Raccordo per tubo in rame >> p. 59,64,127,428**
- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >>p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >>p. 64,127,212,428*
- **Conexión para tubo de polietileno >>p. 64,127,212,428**

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4-WAY DISTRIBUTORS

Distributors are four-way valves for the distribution of heat transfer fluid in single pipe (DM) or double pipe (DB) systems.
DMB valves are equipped with adjustable bypass so that they can be installed on both types of systems.
In all the models, after the top valve closes, the valve plug isolates the radiator and balances the circuit, if necessary.
Available for systems with floor or wall junctions.

Materials
Body: nickel-plated brass CW617N
Gaskets and O-rings: Peroxide EPDM

Technical characteristics
Max fluid temperature inside valve: 120°C
Maximum operating pressure: 10 bar

INSTALLATION LAYOUT



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DM 1416



- **Distributore a 4 vie con attacco maschio per impianti monotubo (portata 60%) con derivazioni a parete.**
- *4-way distributor with male connection for single pipe systems (flow rate 60%) with wall pipes.*
- **Distributeur à 4 voies avec embout mâle pour systèmes monotube (débit 60%) avec dérivations murales.**
- *Einrohr 4-Wege-Anschlußgewinde Eckform (Durchfluss 60%) mit AG Anschlüssen.*
- **Distribuidor de 4 vías con conexión macho para sistemas monotubo (flujo 60%) con derivaciones de pared.**

Code	Size	Price	Class	Packaging
500394	EUROK x 1/2" M	23,93 €	FA	8 / 64

DB 1406



- **Distributore a 4 vie con attacco maschio per impianti bitubo (portata 100%) con derivazioni a parete.**
- *4-way distributor with male connection for double pipe systems (flow rate 100%) with wall pipes.*
- **Distributeur à 4 voies avec embout mâle pour systèmes bitube (débit 100%) avec dérivations murales.**
- *Zweirohr 4-Wege-Anschlußgewinde Eckform (Durchfluss 100%) mit AG Anschlüssen.*
- **Distribuidor de 4 vías con conexión macho para sistemas bitubo (flujo 100%) con derivaciones de pared.**

Code	Size	Price	Class	Packaging
500395	EUROK x 1/2" M	23,55 €	FA	8 / 64

DM 1415



- **Distributore a 4 vie con attacco maschio per impianti monotubo (portata 60%) con derivazioni a pavimento.**
- *4-way distributor with male connection for single pipe systems (flow rate 60%) with floor pipes.*
- **Distributeur à 4 voies avec embout mâle pour systèmes monotube (débit 60%) avec dérivations au sol.**
- *Einrohr 4-Wege-Anschlußgewinde Durchgangsform (Durchfluss 60%) mit AG Anschlüssen.*
- **Distribuidor de 4 vías con conexión macho para sistemas monotubo (flujo 60%) con derivaciones de suelo.**

Code	Size	Price	Class	Packaging
500393	EUROK x 1/2" M	20,67 €	FA	10 / 80

DB 1405



- **Distributore a 4 vie con attacco maschio per impianti bitubo (portata 100%) con derivazioni a pavimento.**
- *4-way distributor with male connection for double pipe systems (flow rate 100%) with floor pipes.*
- **Distributeur à 4 voies avec embout mâle pour systèmes bitube (débit 100%) avec dérivations au sol.**
- *Zweirohr 4-Wege-Anschlußgewinde Durchgangsform (Durchfluss 100%) mit AG Anschlüssen.*
- **Distribuidor de 4 vías con conexión macho para sistemas bitubo (flujo 100%) con derivaciones de suelo.**

Code	Size	Price	Class	Packaging
500381	EUROK x 1/2" M	20,43 €	FA	10 / 80

ADI 01



- **Tubo cromato in acciaio dolce.**
- *Chrome-plated mild steel pipe.*
- **Tube chromé en acier doux.**
- *Verchromtes Weichstahl-Rohr.*
- **Tubo cromado de acero dulce.**

Code	Size	Length	Color	Price	Class	Packaging
550015	Ø 15	1 m		12,61 €	HA	80

TR 4430



- **Raccordo EUROK per tubo rame ed acciaio dolce.**
- *EUROK fitting for copper and mild steel pipe.*
- **Raccord EUROK pour tube en cuivre et en acier doux.**
- *EUROK-Verschraubung für Kupferrohre und Weichstahlrohre.*
- **Conexión EUROK para tubo de cobre y acero dulce.**

Code	Size	Color	Price	Class	Packaging
500998	EUROK x 10/1		3,282 €	JA	40 / 320
500157	EUROK x 12/1		2,712 €	JA	40 / 320
500024	EUROK x 14/1		2,671 €	JA	40 / 320
500025	EUROK x 15/1		2,671 €	JA	40 / 320
500026	EUROK x 16/1		2,671 €	JA	40 / 320

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SINGLE-PIPE THERMOSTATIC VALVES

One-pipe systems were mainly used in the past. They consist of a single pipe that connects all radiators in a series, as shown in Fig. 1.
In practice, the radiators are not exactly in series, but each radiator takes a fraction of the flow rate of the loop while the rest passes directly from the flow to the return of the radiator through a bypass incorporated in the valve as shown in Fig. 2.
One-pipe thermostatic valves can be equipped with a manual knob, which can be used to completely isolate the radiator or adjust its supply level from 0% to 100%, with a very limited pressure drop. Equipped with thermostatic head, it can supply the radiator with a flow rate equal to 30% of the total flow rate of the circuit with a Δ = 2K. The valve does not permit reverse flow (follow the arrow on the valve body). For correct use of the valve and better circulation of the fluid in the heating unit, it is advisable to extend the probe by fitting it to a pipe with an appropriate diameter, for a total length equal to that of the radiator minus 5-10 cm.

Materials
Body: nickel-plated brass CW617N
Seals and O-rings: peroxide EPDM

Technical specifications
Max. fluid temperature inside valve: 100 °C
Maximum operating pressure: 10 bar

Fig. 1

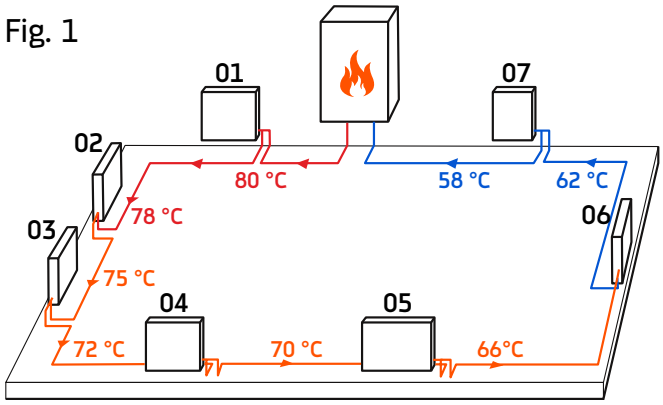
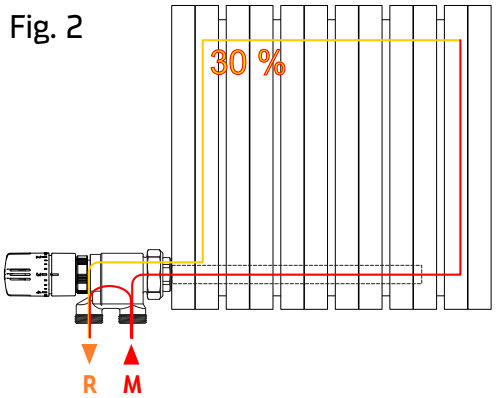


Fig. 2



VM 1303 R



- **Valvola monotubo termostatizzabile con attacco maschio.**
- *Single-pipe thermostatic valve with male connection.*
- **Robinet monotube thermostatisable avec embout mâle.**
- *Einrohr-Thermostatventil mit AG Anschluss.*
- **Válvula monotubo termostatizable con conexión macho.**

Code	Size	Price	Class	Packaging
520172	1/2" x EUROK	37,89 €	GA	5 / 40
520173	3/4" x EUROK	37,89 €	GA	5 / 40



- **Raccordo per tubo in rame >> p. 59,64,127,428**
- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >>p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >>p. 64,127,212,428*
- **Conexión para tubo de polietileno >>p. 64,127,212,428**

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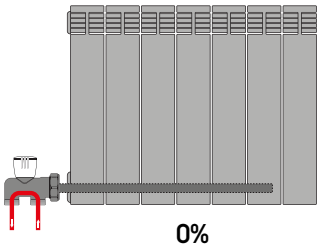
SINGLE-PIPE MANUAL VALVES

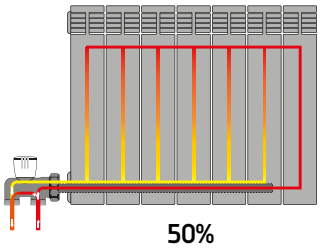
Manual single-pipe valves, as opposed to the thermostatic type, do not allow choking of the flow to the heating element:
- in the open position, all the ring flow passes through the radiator;
- in the closed position, the heating body is completely isolated and all the fluid is bypassed on return.

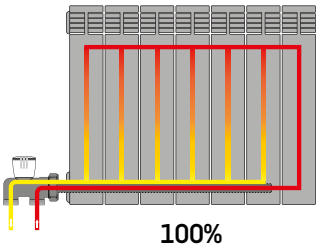
Flow input and output can be inverted with items VM 1405 and VM 1415.
Items VM 1505 and VM 1515 with external vertical feed allow the flow input to be changed using the appropriate probes contained in the kit.

Materials
Body: nickel-plated brass CW617N
Gaskets and O-rings: Peroxide EPDM

Technical characteristics
Max fluid temperature inside valve: 120°C
Maximum operating pressure: 10 bar


0%


50%


100%

VM 1405



- **Valvola monotubo manuale a squadra con attacchi maschio.**
- *Single-pipe angle manual valve with male connections.*
- **Robinet monotube manuel équerre avec embouts mâle.**
- *Einrohr-Handbetätigungventil Eckform mit AG Anschluße.*
- **Válvula monotubo manual de escuadra con conexiónes macho.**

Code	Size	Price	Class	Packaging
501613	1/2" x EUROK - Flow rate 100%	27,40 €	GC	5 / 40
501614	3/4" x EUROK - Flow rate 100%	27,40 €	GC	5 / 40
5016135	1/2" x EUROK - Flow rate 50%	31,08 €	GC	5 / 40
5016145	3/4" x EUROK - Flow rate 50%	31,08 €	GC	5 / 40

VM 1415



- **Valvola monotubo manuale diritta con attacchi maschio.**
- *Single-pipe straight manual valve with male connections.*
- **Robinet monotube manuel droit avec embouts mâle.**
- *Einrohr-Handbetätigungventil Durchgangform mit AG Anschluße.*
- **Válvula monotubo manual recta con conexiónes macho.**

Code	Size	Price	Class	Packaging
502442	1/2" x EUROK - Flow rate 100%	40,12 €	GC	4 / 32
502443	3/4" x EUROK - Flow rate 100%	40,12 €	GC	5 / 40



- **Raccordo per tubo in rame >> p. 59,64,127,428**
- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >>p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >>p. 64,127,212,428*
- **Conexión para tubo de polietileno >>p. 64,127,212,428**

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ACCESSORIES FOR SINGLE-PIPE VALVES

AVM 1324



- **Controsonda per valvole monotubo termostatizzabili.**
- *Counterprobe for single-pipe thermostatic valves.*
- **Contre-sonde pour robinets monotube thermostatisables.**
- *Gegensonde für Einrohr-Thermostatventile.*
- **Contra-sonda para válvulas monotubo termostatizables.**

Code	Price	Class	Packaging
500161	0,606 €	GE	200

AVM 1327



- **Controsonda per valvole monotubo manuali.**
- *Counterprobe for single-pipe manual valves.*
- **Contre-sonde pour robinets monotube manuels.**
- *Gegensonde für Einrohr-Handbetätigungventile.*
- **Contra-sonda para válvulas monotubo manuales.**

Code	Price	Class	Packaging
501622	0,44 €	GE	50 / 400

AVM 1321



- **Sonda interna per valvole monotubo termostatizzabili e manuali.**
- *Internal probe for thermostatic and manual single-pipe valves.*
- **Sonde interne pour robinets monotube thermostatisables et manuels.**
- *Interne Sonde für Thermostat- und Handbetätigung-Einrohr-Ventile.*
- **Sonda interna para válvulas monotubo termostatizables y manuales.**

Code	Size	Price	Class	Packaging
501301	1/2“	0,606 €	GE	50 / 400
501302	3/4“	0,854 €	GE	50 / 400

AVM 1325



- **Prolunga per sonda per valvole monotubo termostatizzabili e manuali (montaggio esterno per valvole da 1/2”; montaggio interno per valvole da 3/4”).**
- *Extension for probe for thermostatic and manual single-pipe valves (external installation for 1/2” valves; internal installation for 3/4” valves).*
- **Rallonge pour sonde pour robinets monotube thermostatisables et manuels (montage externe pour robinets 1/2” ; montage interne pour robinets 3/4”).**
- *Verlängerung für Sonde für Thermostat- und Handbetätigung-Einrohr-Ventile (Außenmontage für 1/2“ Ventile; Innenmontage für 3/4“ Ventile).*
- **Extención para la sonda para válvulas monotubo termostatizables y manuales (montaje externo para válvulas de 1/2”; montaje interno para válvulas de 3/4”).**

Code	Size	Price	Class	Packaging
500585	350 mm - Ø14,7 mm	2,492 €	GE	1

AVM 1326



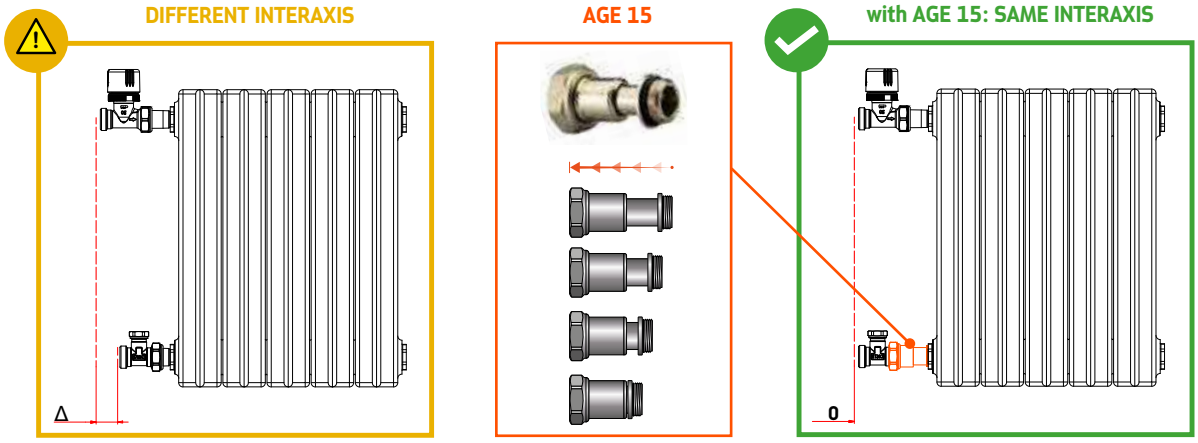
- **Bocchettone per valvole monotubo termostatizzabili e manuali.**
- *Fitting for thermostatic and manual single-pipe valves.*
- **Goulotte pour robinets monotube thermostatisables et manuels.**
- *Stutzen für Thermostat- und Handbetätigung-Einrohr-Ventile.*
- **Racor para válvulas monotubo termostatizables y manuales.**

Code	Size	Price	Class	Packaging
506058	1/2“	5,37 €	GE	25 / 200
506059	3/4“	5,37 €	GE	20 / 80

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FOCUS: AGE 15 telescopic fitting

After upgrades with replacement of valves and/or radiators, misalignments may arise, making a proper connection of the radiator to the system difficult, if not impossible. Using the AGE 15 telescopic ball fitting makes this issue easy to overcome. With extension of about 15 mm, critical situations can be recovered while ensuring an excellent aesthetic result. Available both in the soft-seal version, to be favoured in the case of new radiators, and in the version with tapered thread, recommended only for the replacement of valves.



AGE 15



- **Raccordo sferico allungabile.**
- *Extendible sphere fitting.*
- **Raccord sphérique extensible.**
- *Verlängerungsfähige kugelförmige Verbindung.*
- **Racor esférico extensible.**

Code	Size	Color	Price	Class	Packaging
510197	3/8" (Length 38,8 - 53,8 mm)		14,28 €	HA	50 / 200
510198	1/2" (Length 39,8 - 54,8 mm)		13,99 €	HA	50 / 200
501425	1/2" O-ring (Length 36,8 - 51,8 mm)		13,76 €	HA	50 / 200

AGE 04



- **Raccordo sferico ad angolo con tenuta o-ring.**
- *Spherical fitting elbow with o-ring seal.*
- **Raccord sphérique à angle avec étanchéité joint torique.**
- *Kugelverbinder mit O-Ring.*
- **Racor esférico en ángulo con junta o-ring.**

Code	Size	Color	Price	Class	Packaging
501201	1/2"		7,14 €	HA	30 / 120

RR 701



- **Raccordo diritto con dado girevole femmina - femmina.**
- *Straight female-female fitting with rotating nut.*
- **Raccord droit avec écrou pivotant femelle – femelle.**
- *Durchgang IG x IG Schraubverbinder mit drehbarer Mutter.*
- **Racor recto con tuerca giratoria hembra - hembra.**

Code	Size	Color	Price	Class	Packaging
500632	1/2" F x EUROK		4,757 €	KA	30 / 240
500624	3/4" F x EUROK		6,51 €	KA	30 / 120
500632N	1/2" F x EUROK		4,995 €	KA	20 / 160
500624N	3/4" F x EUROK		6,72 €	KA	25 / 200

RR 4613

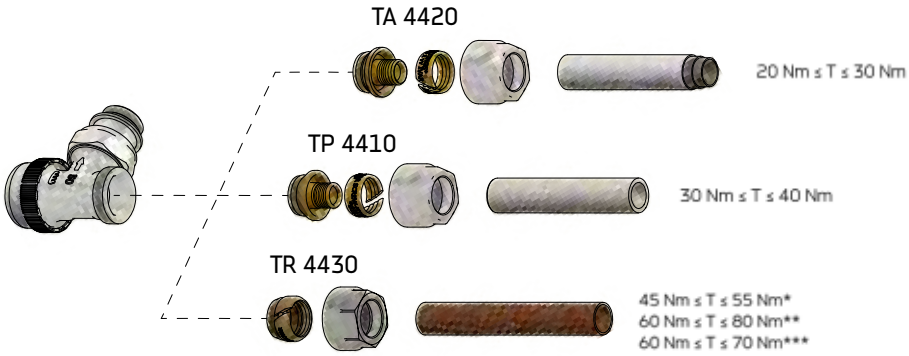


- **Raccordo diritto maschio - femmina.**
- *Straight male-female fitting.*
- **Raccord droit mâle-femelle.**
- *Durchgang AG x IG Schraubverbinder.*
- **Racor recto macho - hembra.**

Code	Size	Color	Price	Class	Packaging
500080	1/2" F x EUROK		2,893 €	KA	50 / 200
500174	3/4" F x EUROK		3,752 €	KA	40 / 160
500081	1/2" F x EUROK		2,972 €	KA	50 / 200
500175	3/4" F x EUROK		3,887 €	KA	40 / 160

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Suitable fittings for valves and lockshields with EUROKONUS connection



FOCUS: Fittings for multilayer and PEX pipe

See page 126.

- **T = Coppia max. di serraggio. |*Rame ricotto. |**Rame semiduro. |***Acciaio dolce.**
- *T = Max. tightening torque. |*Soft copper. |**Semi-hard copper. |***Mild steel.*
- **T = Couple de serrage max. |*Cuivre recuit. |**Cuivre semi-rigide. |***Acier doux.**
- *T = Max. Anzugsdrehmoment. |*Geglühtes Kupfer. |**Mittelfestes Kupfer. |***Weichstahl.*
- **T = Par de apriete max. |*Cobre recocido. |**Cobre semiduro. |***Acero dulce.**

TR 4430



- **Raccordo EUROK per tubo rame ed acciaio dolce.**
- *EUROK fitting for copper and mild steel pipe.*
- **Raccord EUROK pour tube en cuivre et en acier doux.**
- *EUROK-Verschraubung für Kupferrohre und Weichstahlrohre.*
- **Conexión EUROK para tubo de cobre y acero dulce.**

Code	Size	Color	Price	Class	Packaging
500998	EUROK x 10/1		3,282 €	JA	40 / 320
500157	EUROK x 12/1		2,712 €	JA	40 / 320
500024	EUROK x 14/1		2,671 €	JA	40 / 320
500025	EUROK x 15/1		2,671 €	JA	40 / 320
500026	EUROK x 16/1		2,671 €	JA	40 / 320

TR 4430-18



- **Raccordo EUROK per tubo rame ed acciaio dolce.**
- *EUROK fitting for copper and mild steel pipe.*
- **Raccord EUROK pour tube en cuivre et en acier doux.**
- *EUROK-Verschraubung für Kupferrohre und Weichstahlrohre.*
- **Conexión EUROK para tubo de cobre y acero dulce.**

Code	Size	Color	Price	Class	Packaging
500417	EUROK x 18/1		4,30 €	JA	40 / 320

TA 4420



- **Raccordo EUROK per tubo multistrato e in polietilene.**
- *EUROK fitting for multilayer and polyethylene pipe.*
- **Raccord EUROK pour tube multicouches et en polyéthylène.**
- *EUROK-Verschraubung für Verbund- und für Polyäthylen-Rohr.*
- **Conexión EUROK para tubo multicapa y de polietileno.**

Code	Size	Color	Price	Class	Packaging
506061	EUROK x 12/1,8		3,893 €	JA	40 / 320
500683	EUROK x 14/2		3,893 €	JA	40 / 320
500400	EUROK x 15/1,5		4,012 €	JA	40 / 320
500684	EUROK x 16/2		3,893 €	JA	40 / 320
500579	EUROK x 16/2,25		3,893 €	JA	40 / 320
506040	EUROK x 16,2/2,6		3,893 €	JA	40 / 160
500012	EUROK x 17/2		4,169 €	JA	40 / 320
500685	EUROK x 18/2		4,169 €	JA	40 / 320
500754	EUROK x 18/2,5		4,169 €	JA	40 / 320
500914	EUROK x 20/2		4,348 €	JA	40 / 320
500009	EUROK x 20/2,25		4,575 €	JA	40 / 320
501010	EUROK x 20/2,5		4,348 €	JA	40 / 320
506295	EUROK x 20/2,9 (for multilayer pipe only)		5,94 €	JA	40 / 320

TP 4410



- **Raccordo EUROK per tubo in polietilene.**
- *EUROK fitting for polyethylene pipe.*
- **Raccord EUROK pour tube en polyéthylène.**
- *EUROK-Verschraubung für Polyäthylen-Rohr.*
- **Conexión EUROK para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
500590	EUROK x 12/1		3,673 €	JA	40 / 320
520041	EUROK x 12/2		3,673 €	JA	40 / 320
500679	EUROK x 14/2		3,593 €	JA	40 / 320
500148	EUROK x 15/1,7		3,893 €	JA	40 / 320
500769	EUROK x 15/2,5		3,737 €	JA	40 / 320
500591	EUROK x 16/1,5		3,51 €	JA	40 / 320
500680	EUROK x 16/2		3,51 €	JA	40 / 320
500681	EUROK x 16/2,2		3,51 €	JA	40 / 320
500682	EUROK x 17/2		3,737 €	JA	40 / 320
500145	EUROK x 18/1,8		3,737 €	JA	40 / 320
500650	EUROK x 18/2		4,169 €	JA	40 / 320
506020	EUROK x 18/2,5		3,737 €	JA	40 / 320
500651	EUROK x 20/2		4,169 €	JA	40 / 320
500649	EUROK x 20/2,8		4,025 €	JA	40 / 320
506200	EUROK x 20/3,4		4,025 €	JA	40 / 320
500753	EUROK x 21/2,5		4,528 €	JA	40 / 320

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TR 401



- **Raccordo per tubo rame ed acciaio dolce con ogiva ricotta.**
- *Fitting for copper and mild steel pipe with annealed ogive.*
- **Raccord pour tube en cuivre et en acier doux avec ogive recuite.**
- *Verschraubung für Kupferrohre und Weichstahlrohre mit geglühtem Klemmring.*
- **Conexión para tubo de cobre y acero dulce con ojiva recocida.**

Code	Size	Color	Price	Class	Packaging
501047	G 1/2" x 15/1		2,06 €	JA	100 / 800

TR 402



- **Raccordo per tubo rame ed acciaio dolce con ogiva e o-ring.**
- *Fitting for copper and mild steel with ogive and o-ring.*
- **Raccord pour tube en cuivre et en acier doux avec ogive et joint torique.**
- *Verschraubung für Kupferrohre und Weichstahlrohre mit Klemmring und O-Ring.*
- **Conexión para tubo de cobre y acero dulce con ojiva y o-ring.**

Code	Size	Color	Price	Class	Packaging
501009	G 1/2" x 15/1		2,192 €	JA	100 / 800

ADI 01



- **Tubo cromato in acciaio dolce.**
- *Chrome-plated mild steel pipe.*
- **Tube chromé en acier doux.**
- *Verchromtes Weichstahl-Rohr.*
- **Tubo cromado de acero dulce.**

Code	Size	Length	Color	Price	Class	Packaging
550015	Ø 15	1 m		12,61 €	HA	80

AGE 11



- **Adattatore sede tenuta conica / tenuta piana.**
- *Tapered seal / flat seal seat adaptor.*
- **Adaptateur siège joint conique / joint plat.**
- *Sitzzwischenstück konisch Dichtung / Flachdichtung.*
- **Adaptador junta cónica / junta plana.**

Code	Size	Color	Price	Class	Packaging
500201	EUROK		1,376 €	HA	150 / 600

AGE 01 N



- **Bocchettone a tenuta morbida.**
- *Soft seal fitting.*
- **Goulotte à étanchéité souple.**
- *Stutzen mit O-Ring.*
- **Manguito de unión con junta blanda.**

Code	Size	Color	Price	Class	Packaging
506074	5/8" F x 3/8" M O-ring		4,058 €	HA	75 / 300
500106	3/4" F x 3/8" M O-ring		3,501 €	HA	50 / 400
501279	3/4" F x 1/2" M O-ring (short version)		3,501 €	HA	50 / 200
500605N	3/4" F x 1/2" M O-ring		3,678 €	HA	50 / 200
501215N	1" F x 3/4" M O-ring		6,77 €	HA	35 / 140
506032N	1" F x 1" M O-ring		7,35 €	HA	20 / 160
506060N	1" F TP x 1" M O-ring		7,77 €	HA	20 / 160
501214N	1"1/4 F x 1" M O-ring		8,36 €	HA	20 / 80
501219	1"1/2 F x 1"1/4 M O-ring		18,69 €	HA	10 / 80

AGE 16



- **Kit dado e bocchettone.**
- *Kit nut and fitting.*
- **Kit écrou et raccord.**
- *Kit Mutter und Anschluss-Stutzen.*
- **Conjunto tuerca y manguito de unión.**

Code	Size	Color	Price	Class	Packaging
506201	5/8" F x 3/8" M		3,277 €	HA	75 / 300
506076	3/4" F x 3/8" M		3,417 €	HA	75 / 600
506202	3/4" F x 1/2" M		3,334 €	HA	75 / 300
506203	1" F x 3/4" M		6,64 €	HA	35 / 140

AVK 01



- **Adattatore per serie OPTIMA, detentori serie VK e valvole H.**
- *Adapter for OPTIMA series, VK series lockshields and H valves.*
- **Adaptateur pour sèrie OPTIMA, coudes et tés de réglage série VK et pièces H.**
- *Adapter für Serie OPTIMA, Absperrungen der Serie VK und H-Ventile.*
- **Adaptador para serie OPTIMA, detentores serie VK y válvulas H**

Code	Size	Color	Price	Class	Packaging
500770	EUROK x 1/2" M O-ring		1,996 €	EC	80 / 640

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ACCESSORIES AND SPARE PARTS

TM 3053



- **Testa manuale in plastica.**
- *Plastic manual head.*
- **Tête manuelle en plastique.**
- *Kunststoff manueller Hebel.*
- **Cabezal manual.**

Code	Size	Color	Price	Class	Packaging
500046	M30 x 1,5	☐	1,555 €	AD	25 / 200

VTT 02



- **Vitone termostatico.**
- *Thermostatic insert.*
- **Insert thermostatique.**
- *Thermostat-Reguliervorrichtung.*
- **Tornillo termostático.**

Code	Price	Class	Packaging
500543	5,54 €	BG	100 / 400

AGE 09



- **Cappuccio di protezione per vitone termostatico.**
- *Protection cap for thermostatic insert.*
- **Capuchon de protection pour insert thermostatique.**
- *Schutzkappe für Thermostat-Reguliervorrichtung.*
- **Tapa de protección para tornillo termostático.**

Code	Color	Price	Class	Packaging
501278	☐	0,463 €	HA	50 / 400

VTT 03



- **Vitone termostatico con selettore di portata.**
- *Thermostatic insert with flow rate selector.*
- **Insert thermostatique avec sélecteur de débit.**
- *Thermostat-Einsatz mit Durchfluss-Wählschalter.*
- **Tornillo termostático con selector de flujo.**

Code	Range	Price	Class	Packaging
500544	KV 0,1 - 0,6 (N SERIES)	6,49 €	BG	50 / 400

AGE 09 N



- **Cappuccio di protezione per vitone termostatico.**
- *Protection cap for thermostatic insert.*
- **Capuchon de protection pour insert thermostatique.**
- *Schutzkappe für Thermostat-Reguliervorrichtung.*
- **Tapa de protección para tornillo termostático.**

Code	Color	Price	Class	Packaging
501278DRN	■	0,463 €	HA	50 / 400

AVT 02



- **Ghiera per vitone termostatico.**
- *Ring nut for thermostatic insert.*
- **Bague filetée pour insert thermostatique.**
- *Ring für Thermostat-Reguliervorrichtung.*
- **Anillo para el tornillo termostático.**

Code	Price	Class	Packaging
553003	1,484 €	BG	200 / 1600

AGE 09 NH



- **Cappuccio di protezione per vitone termostatico.**
- *Protection cap for thermostatic insert.*
- **Capuchon de protection pour insert thermostatique.**
- *Schutzkappe für Thermostat-Reguliervorrichtung.*
- **Tapa de protección para tornillo termostático.**

Code	Color	Price	Class	Packaging
501278NH	■	0,463 €	HA	50 / 400

AGE 07



- **Mostrina singola in ABS (in 2 pezzi).**
- *ABS single plastic plate (in 2 pieces).*
- **Rosace single en ABS (en 2 pièces).**
- *Einzelne Abdeckmanschette aus ABS (in 2 Stücke).*
- **Embellecedor simple de ABS (en dos piezas).**

Code	Size	Color	Price	Class	Packaging
500110	Ø15	☐	1,092 €	HA	1100

AGE 09 D



- **Cappuccio per detentori serie pesante.**
- *Cap for lockshields heavy series.*
- **Capuchon pour tés/coudes de réglage série lourde.**
- *Schutzkappe für Rücklaufventile schwere Serie.*
- **Capuchón de protección para detentores serie pesada.**

Code	Color	Price	Class	Packaging
501278D	☐	0,463 €	HA	50

AGE 06



- **Mostrina doppia in ABS (in 2 pezzi).**
- *ABS double plate (in 2 pieces) .*
- **Rosace double en ABS (en 2 pièces).**
- *Doppelte Abdeckmanschette aus ABS (in 2 Stücke).*
- **Plafón embellecedor doble de ABS (en 2 piezas).**

Code	Size	OC distance	Color	Price	Class	Packaging
501308	Ø15	38 mm	☐	0,867 €	HA	400
500109	Ø15	50 mm	☐	1,139 €	HA	500

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AGE 17



- **Adattatore teste termostatiche / valvole DANFOSS.**
- *Thermostatic heads / DANFOSS valves adapter.*
- **Adaptateur têtes thermostatiques / robinets DANFOSS.**
- *Adapter für Thermostatköpfe / Ventile DANFOSS.*
- **Adaptador cabezas termostáticas / válvulas DANFOSS.**

Code	Price	Class	Packaging
560001	16,95 €	AE	40 / 320

AC 625 M



- **Valvola manuale di sfiato.**
- *Manual air vent valve.*
- **Purgeur d'air manuel.**
- *Manuelles Entlüftungsventil.*
- **Válvula purgadora manual.**

Code	Size	Price	Class	Packaging
500954M	1/4"	2,112 €	HA	100 / 400
500675M	3/8"	2,204 €	HA	100 / 400
500674M	1/2"	2,938 €	HA	100 / 400

AC 651



- **Valvola di sfiato aria automatica per radiatori.**
- *Automatic air valve for radiators.*
- **Purgeur d'air automatique pour les radiateurs.**
- *Automatisches Entlüftungsventil für Heizkoerper.*
- **Válvula purgadora automática para radiadores.**

Code	Size	Price	Class	Packaging
506251DX	1" - RIGHT	9,38 €	HA	20 / 160
506251SX	1" - LEFT	9,38 €	HA	20 / 160

AGE 19



- **Prolunga per attacco valvole.**
- *Extension for valves connection.*
- **Rallonge pour l'embout des robinets.**
- *Verlängerung für Ventilanschluß.*
- **Extensión para la conexión de las válvulas.**

Code	Size	Price	Class	Packaging
501046	Eurokonus	9,38 €	HA	50 / 200

AGE 14



- **Prolunga per attacco valvole.**
- *Extension for valves connection.*
- **Rallonge pour l'embout des robinets.**
- *Verlängerung für Ventilanschluß.*
- **Extensión para la conexión de las válvulas.**

Code	Size	Price	Class	Packaging
501424	3/4" F TP x EUROK - 13,5 mm	5,09 €	HA	40 / 320
501964	3/4" F TP x EUROK - 18,5 mm	5,51 €	HA	40 / 320
501965	3/4" F TP x EUROK - 23,5 mm	6,06 €	HA	40 / 320

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FAN-COIL VALVES

VFC valves, available in two-way and three-way versions (4 ports), are used to control the flow of hot and cold water in heating and air conditioning systems with fan-coil terminals.
The valve is a normally open type, i.e., without the actuator mounted, the straight way supply to the user component is open.
Flow control is performed by mounting an electrothermic actuator that can be either normally closed or normally open. The operation for this type of valve is normally ON/OFF.
These valves can be mounted on either the flow or the return side, even though the return-side is preferable for less critical temperature conditions for both heating and cooling. However, to avoid leaks and noises from the system, it is important not to exceed the maximum differential pressure at the ends of the valve.
The two-way version completely cuts off the heating fluid flow and should therefore to be used with high efficiency circulation systems.
The three-way version with 4 ports can be mounted either as a bypass as in Fig. 1 (one inlet and two outlets) or for mixing as in Fig. 2 (2 inlets and one outlet). Closing the straight supply way takes the flow through the bypass, resulting in a continuous recirculation of the fluid.

Materials
Body: brass CW617N
Seals and O-rings: peroxide EPDM

Technical specifications
Max. fluid temperature inside valve: 120 °C
Maximum operating pressure: 10 bar
Max. permissible pressure differential with fitted electro-thermal head: 1.5 bar
Operating mode: on/off

Fig. 1

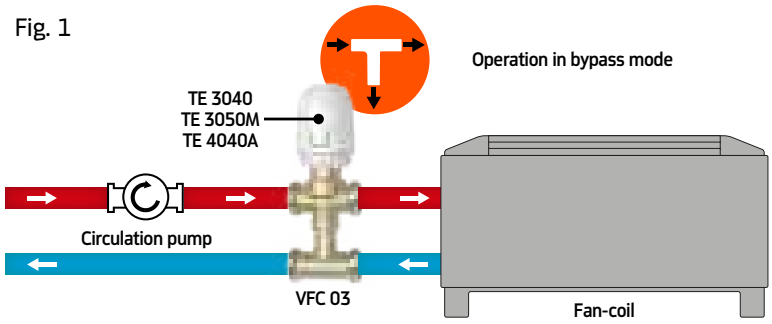


Fig. 2

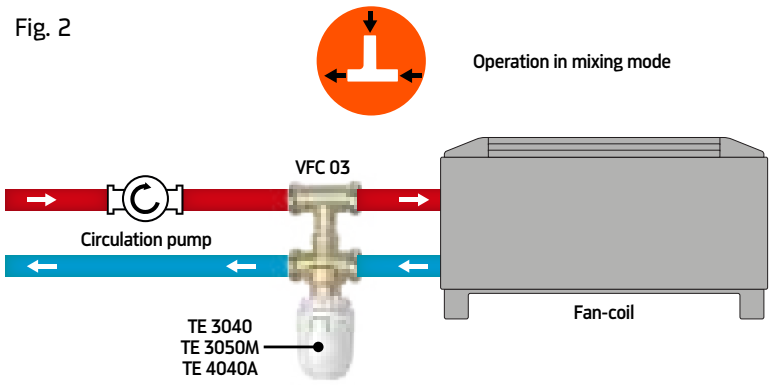
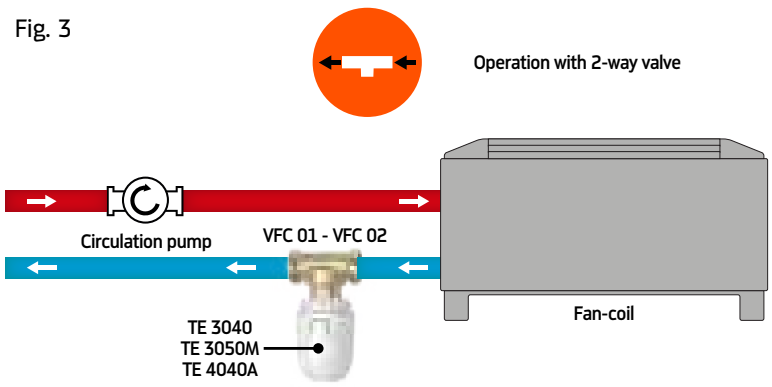


Fig. 3



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VFC 01



- **Valvola per fan-coil a 2 vie.**
- *2-way fan-coil valve.*
- **Vanne à 2 voies pour ventilo-convecteurs.**
- *2-Wege Ventil für Ventilatorkonvektoren.*
- **Válvula de 2 vías para fan-coil.**

Code	Kv	Size	Color	Price	Class	Packaging
570200	0.25	1/2" M		19,87 €	BL	10 / 80
570201	0.40	1/2" M		19,87 €	BL	10 / 80
570202	0.63	1/2" M		19,87 €	BL	10 / 80
570203	1	1/2" M		19,87 €	BL	10 / 80
570204	1.60	1/2" M		19,87 €	BL	10 / 80
506356	2.10	1/2" M		19,87 €	BL	10 / 80
570210	0.25	3/4" M		22,16 €	BL	10 / 80
570211	0.40	3/4" M		22,16 €	BL	10 / 80
570212	0.63	3/4" M		22,16 €	BL	10 / 80
570213	1	3/4" M		22,16 €	BL	10 / 80
570214	1.60	3/4" M		22,16 €	BL	10 / 80

VFC 02



- **Valvola per fan-coil a 2 vie per elevate portate.**
- *2-way fan-coil valve for high flow capacity.*
- **Vanne à 2 voies pour ventilo-convecteurs pour débit élevé.**
- *2-Wege Ventil für Ventilatorkonvektoren für erhöhte Durchfluss.*
- **Válvula de 2 vías para fan-coil para caudales elevados.**

Code	Kv	Size	Color	Price	Class	Packaging
570220	2.10	3/4" M		25,00 €	BL	10 / 80
570221	3.20	3/4" M		25,94 €	BL	10 / 80
570216	4.50	3/4" M		26,20 €	BL	10 / 80

VFC 03



- **Valvola per fan-coil a 3 vie.**
- *3-way fan-coil valve.*
- **Vanne à 3 voies pour ventilo-convecteurs.**
- *3-Wege Ventil für Ventilatorkonvektoren.*
- **Válvula de 3 vías para fan-coil.**

Code	Kv	Size	OC distance	Color	Price	Class	Packaging
570205	0.25	1/2" M	40 mm		26,97 €	BL	10 / 80
570206	0.40	1/2" M	40 mm		26,97 €	BL	10 / 80
570207	0.63	1/2" M	40 mm		26,97 €	BL	10 / 80
570208	1	1/2" M	40 mm		26,97 €	BL	10 / 80
570209	1.60	1/2" M	40 mm		26,97 €	BL	10 / 80
506098	2.50	3/4" M	50 mm		26,49 €	BL	5 / 40



- **Teste elettrotermiche >>p. 220,360,396,467,478**
- *Electrothermal heads >>p. 220,360,396,467,478*
- **Têtes électrothermiques >>p. 220,360,396,467,478**
- *Elektrothermische Stellantriebe >>p. 220,360,396,467,478*
- **Cabezas electrotérmicas >>p. 220,360,396,467,478**

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FAN-COIL UNIT KIT

Fan-Coil Unit Kit is a pre-assembled multifunction bypass unit designed for plant situations that require a constant flow of heat transfer fluid, such as fan-coils, cold beams, radiant strip heaters and other ceiling conditioning systems. The flow control is entrusted to a PICV (Pressure Independent Control Valve) dynamic balancing valve.
Fan-Coil Unit Kit connects the delivery and return pipes to the terminal units and integrates the following accessories, necessary for correct operation and maintenance of the system:

- three-way valves
- two loading/unloading taps
- mesh filter
- PICV
- piezometric connections
- Venturi orifice for flow measurement.

The position of the ball valves allows up to five operating modes and allows isolating the primary circuit (system side) from the secondary circuit (serving the individual terminal units). In this way it is easy to clean the mesh strainer, replace a terminal unit or perform the flushing, washing and cleaning of the primary circuit (without these operations affecting the terminal unit).

Materials
Body: brass CW617N
Strainer mesh: AISI 304 stainless steel
Insulation: ARPRO 4135 FR

Technical specifications
Compatible fluids: water or glycol solution (max. 50%)
Permissible pressure differential range (PICV): 16-200 kPa; 30-400 kPa
Flow rate regulation range (PICV): 37-575 l/h; 64-1110 l/h
Maximum operating pressure: 10 bar
Maximum operating temperature: 120 °C
Mesh strainer: 500 µm
Available Venturi orifice Kv: 0.307; 0.477; 1.15; 2.15; 3.66; 4.27
Connections to primary circuit: 1/2"F (DN 15) - 3/4"F (DN 20) with rotary inlet ports
Connections to secondary circuit: 3/4"M
Dimensions with insulation casing W x H x D: 250 x 330 x 110 mm
Insulation density: 40 g/l
Insulation conductivity: 0.037 W/mK
Insulation fire reaction class (standard UL-94): HF-1 Class

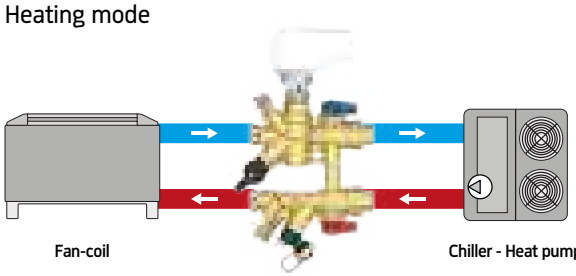
PLUS

- **Compact and pre-assembled for an easy and quick installation**
- **Multifunction: 5 operating and maintenance modes**
- **Simplified system maintenance**
- **Flow control via PICV**
- **Flow measurement and precise balancing thanks to the Venturi orifice and piezometric connections**

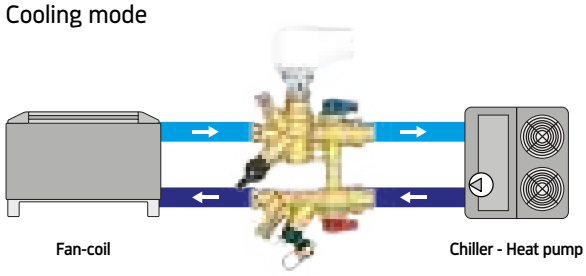
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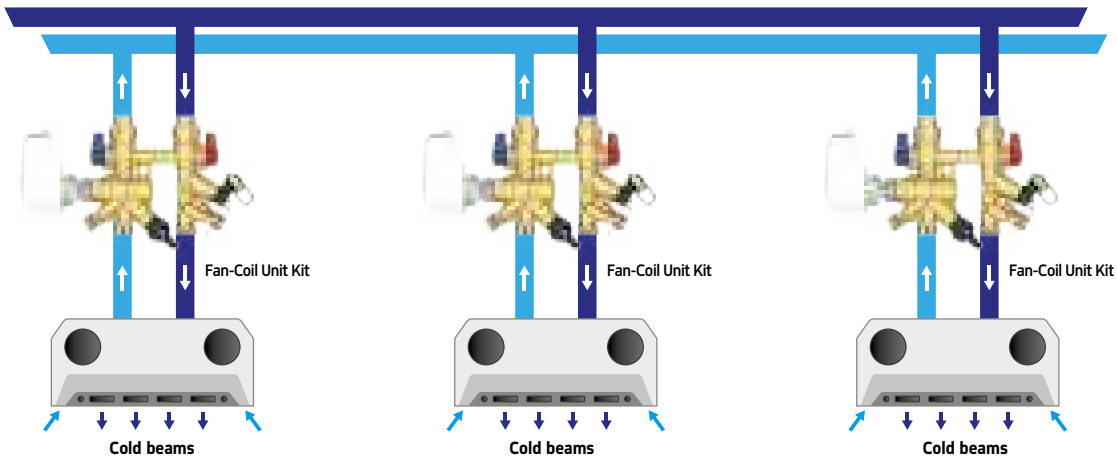
Applications

Heating mode



Cooling mode





5 operating modes

1



Supply to the terminal unit
The valves are both open, the bypass branch of the system is closed. Water flows into the terminal unit.

2



Insulation of the terminal unit and flushing of the primary circuit.
Both valves are closed, the bypass branch of the system is open. The water from the primary circuit recirculates into the bypass branch.
This configuration is used to clean the primary circuit, avoiding possible contamination of the water on the terminal unit side.

3



Washing the terminal unit with water from the primary circuit - PICV cartridge not mounted.
System supply valve is open, return valve is closed. The bypass branch is closed.
Disconnect the PICV cartridge from the system to prevent clogging.
This configuration allows water from the main circuit (containing the cleaning fluid) to circulate through the terminal unit. The water is discharged from the drain valve of the return branch of the system.

4



Direct washing of the mesh filter.
The supply valve of the system is open, the return valve is closed. The bypass branch is closed.
This configuration allows water from the main circuit to circulate through the mesh filter. The filter is deprived of residual impurities and the water is discharged from the discharge tap of the system's delivery branch.

5



Insulation of the terminal unit for maintenance and cleaning - PICV cartridge not mounted.
The valves are both closed, the bypass branch of the system is open. Primary circuit water recirculates into the bypass branch.
Disconnect the PICV cartridge from the system to prevent it from clogging up.
This configuration isolates the terminal unit. This allows
maintenance of the terminal unit side system. The circuit
section can be cleaned with the loading and unloading taps open, by circulating an external cleaning fluid.
The circulator of the primary circuit stops, to avoid the movement of water not required by the system at this stage.

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PICV (3 types of cartridges available)



PICC 01



PICC 02



PICC 03

Actuator (2 types available)



RV 03

TE 3003

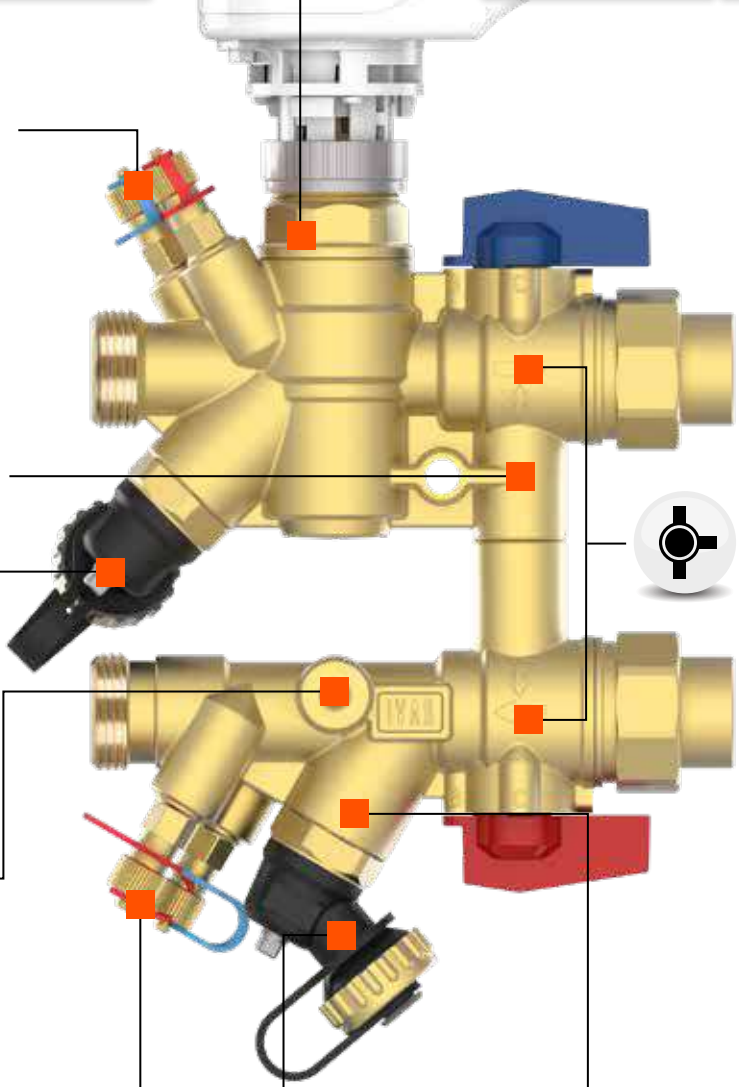
Piezometric connections

Fill and drain point

Bypass interaxis 80 mm

Three-way valves

Calibrated Venturi (available in six sizes to optimize flow control in multiple operating conditions)



Piezometric connections

Fill and drain point

Mesh strainer

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FCU-KIT 00



- **Gruppo di bypass multifunzione preassemblato completo di coppia di valvole a 3 vie, filtro a maglie, rubinetti di carico/scarico, orifizio Venturi con coppia di prese piezometriche e regolatore di portata PICV.**
- *Pre-assembled multifunction bypass unit complete with pair of 3-way valves, mesh strainer, fill/drain taps, Venturi orifice with pair of piezometric ports and PICV flow regulator.*
- **Unité de bypass multifonctions pré-assemblée avec paire de vannes à 3 voies, filtre en maille, vannes de remplissage / vidange, orifice Venturi avec paire de manchons piézométriques et régulateur de débit PICV.**
- *Vormontierte multifunktionsfähige Bypass-Gruppe, komplett mit paarweisem 3-Wege-Ventil, Maschenfilter, Befüll-/Ablasshähne, Venturi-Düse mit paarweisem Druckmessanschluss und PICV-Volumenstromregler.*
- **Grupo de bypass multifunción premontado dotado de un par de válvulas de 3 vías, filtro de mallas, grifos de carga/descarga, orificio Venturi con un par de tomas piezométicas y regulador de caudal PICV.**

Code	Size	Insulation	Price	Class	Packaging
52014503	1/2" F - Venturi Ø3	-	236,52 €	BL	1
52014504	1/2" F - Venturi Ø4	-	236,52 €	BL	1
52014506	1/2" F - Venturi Ø6	-	236,52 €	BL	1
52014508	1/2" F - Venturi Ø8	-	236,52 €	BL	1
52014510	1/2" F - Venturi Ø10	-	236,52 €	BL	1
52014511	1/2" F - Venturi Ø11	-	236,52 €	BL	1
52014503I	1/2" F - Venturi Ø3	✓	290,58 €	BL	1
52014504I	1/2" F - Venturi Ø4	✓	290,58 €	BL	1
52014506I	1/2" F - Venturi Ø6	✓	290,58 €	BL	1
52014508I	1/2" F - Venturi Ø8	✓	290,58 €	BL	1
52014510I	1/2" F - Venturi Ø10	✓	290,58 €	BL	1
52014511I	1/2" F - Venturi Ø11	✓	290,58 €	BL	1
52014603	3/4" F - Venturi Ø3	-	239,22 €	BL	1
52014604	3/4" F - Venturi Ø4	-	239,22 €	BL	1
52014606	3/4" F - Venturi Ø6	-	239,22 €	BL	1
52014608	3/4" F - Venturi Ø8	-	239,22 €	BL	1
52014610	3/4" F - Venturi Ø10	-	239,22 €	BL	1
52014611	3/4" F - Venturi Ø11	-	239,22 €	BL	1
52014603I	3/4" F - Venturi Ø3	✓	293,28 €	BL	1
52014604I	3/4" F - Venturi Ø4	✓	293,28 €	BL	1
52014606I	3/4" F - Venturi Ø6	✓	293,28 €	BL	1
52014608I	3/4" F - Venturi Ø8	✓	293,28 €	BL	1
52014610I	3/4" F - Venturi Ø10	✓	293,28 €	BL	1
52014611I	3/4" F - Venturi Ø11	✓	293,28 €	BL	1

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FCU-KIT 01



- **Gruppo di bypass multifunzione preassemblato completo di coppia di valvole a 3 vie, filtro a maglie, rubinetti di carico/scarico e orifizio Venturi con coppia di prese piezometriche.**
- *Pre-assembled multifunction bypass unit complete with pair of 3-way valves, mesh strainer, fill/drain taps and Venturi orifice with pair of piezometric ports.*
- **Unité de bypass multifonctions pré-assemblée avec paire de vannes à 3 voies, filtre en maille, vannes de remplissage / vidange et orifice Venturi avec paire de manchons piézométriques.**
- *Vormontierte multifunktionsfähige Bypass-Gruppe, komplett mit paarweisem 3-Wege-Ventil, Maschenfilter, Befüll-/Ablasshähne und Venturi-Düse mit paarweisem Druckmessanschluss.*
- **Grupo de bypass multifunción premontado dotado de un par de válvulas de 3 vías, filtro de mallas, grifos de carga/descarga y orificio Venturi con un par de tomas piezométicas.**

Code	Size	Price	Class	Packaging
52014703	1/2" F - Venturi Ø3	167,58 €	BL	1
52014704	1/2" F - Venturi Ø4	167,58 €	BL	1
52014706	1/2" F - Venturi Ø6	167,58 €	BL	1
52014708	1/2" F - Venturi Ø8	167,58 €	BL	1
52014710	1/2" F - Venturi Ø10	167,58 €	BL	1
52014711	1/2" F - Venturi Ø11	167,58 €	BL	1
52014803	3/4" F - Venturi Ø3	170,29 €	BL	1
52014804	3/4" F - Venturi Ø4	170,29 €	BL	1
52014806	3/4" F - Venturi Ø6	170,29 €	BL	1
52014808	3/4" F - Venturi Ø8	170,29 €	BL	1
52014810	3/4" F - Venturi Ø10	170,29 €	BL	1
52014811	3/4" F - Venturi Ø11	170,29 €	BL	1

PICV 00 FCU



- **Corpo valvola di bilanciamento dinamico, completo di prese piezometriche e scarico. Connessioni maschio – femmina.**
- *Dynamic balancing valve body, complete with piezometric ports and drain. Male - female connections.*
- **Corps de vanne à équilibrage dynamique, complet avec douilles piézométriques et échappement. Connexions mâle - femelle.**
- *Körper dynamisches Abgleichventil, komplett mit Piezometeranschlüsse und Entladeventil. AG - IG Anschlüsse*
- **Cuerpo de la válvula de equilibrio dinámico, dotado de tomas piezométricas y descarga. Conexiones macho – hembra.**

Code	Size	Color	Price	Class	Packaging
520149	3/4" M x 3/4" F		71,64 €	BL	5 / 40



- **Cartuccia PICC 01 >> p. 373**
- *Cartridge PICC 01 >> p. 373*
- **Cartouche PICC 01 >> p. 373**
- *Einsatz PICC 01 >> p. 373*
- **Cartucho PICC 01 >> p. 373**



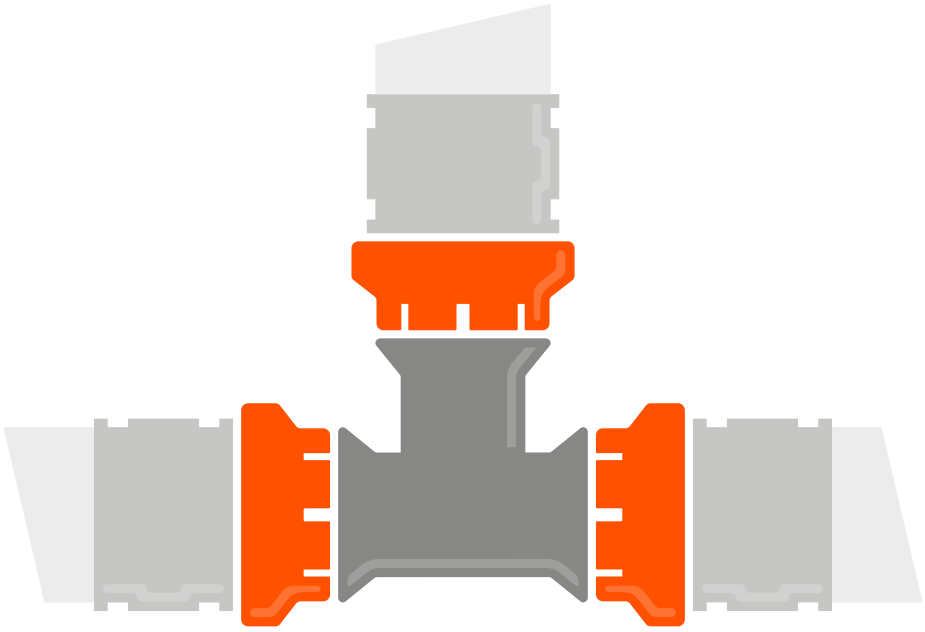
- **Cartuccia PICC 02 >> p. 373**
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- **Cartouche PICC 02 >> p. 373**
- *Einsatz PICC 02 >> p. 373*
- **Cartucho PICC 02 >> p. 373**



- **Cartuccia PICC 03 >>p. 373**
- *Cartridge PICC 03 >>p. 373*
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- **Cartucho PICC 03 >>p. 373**

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PIPES AND FITTINGS



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Profundizaciónes técnicas



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Raccordi a pressare con perdita P•M•P•L
Press fittings with leakage function P•M•P•L
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Accesorios a prensar con pérdida P•M•P•L — 119



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MULTILAYER

Multilayer pipes have five different layers:

1. polymer (inner layer)
2. adhesive
3. aluminium alloy (middle layer)
4. adhesive
5. polymer (outer layer)

Given the composite nature of the material, they **perfectly combine the advantages of plastic pipe with those of a metal pipe**.

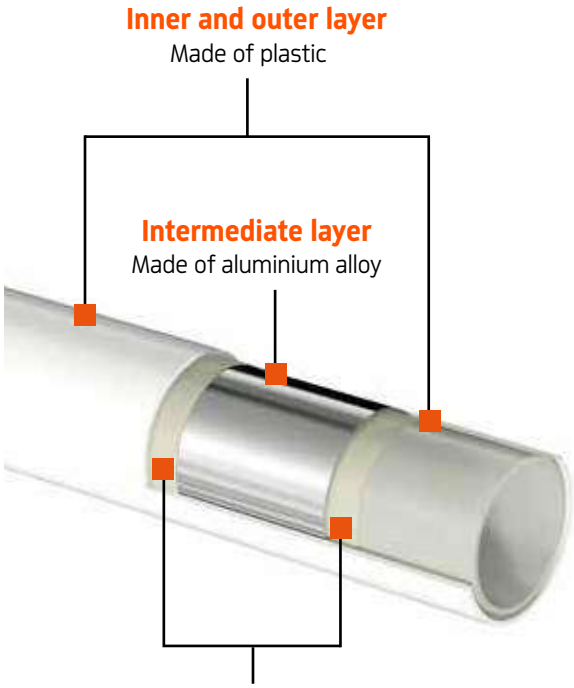
Advantages of plastic piping:

- light weight
- flexibility
- low surface roughness
- high resistance to corrosion and chlorinated water

Advantages of metal piping:

- high mechanical resistance
- holds bends
- completely impermeable to oxygen and light.

Multilayer pipes are very versatile and are primarily used in domestic water distribution, low and high temperature heating and compressed air distribution systems. The reference standard for these pipes, EN ISO 21003, provides for different usage classes, which define the operating conditions, in terms of design temperatures and pressures to which they will be subjected in their service life.



The polymer that makes up the inner and outer layers can be different. Typically they are combinations of PE-X and HDPE, with the latter never left in contact with the fluid, so it never makes up the inner layer of the pipe.

To define its range of multilayer pipes, IVAR has selected top quality suppliers, with pipes made in Italy (IVAR brand) and in Germany (Fraenkische brand).

INSTRUCTIONS FOR CORRECT PREPARATION OF THE PIPE

Cutting (Fig. 1)

Cut the pipe using a shear that does not squash the pipe and make sure that the cut is perpendicular to the pipe axis. For the specific shears, see the section "Tools and general accessories".


Fig. 1

Calibration and countersink (Fig. 2)

Calibration determines the right internal diameter of the pipe, while countersink allows to create a chamfer at the end of the pipe which prevents any movement of the o-rings from their housing during the pipe insertion phase. If there is great resistance when inserting the fitting, this means that calibration and countersinking were not carried out correctly; in this case, you have to avoid to insert the fitting in the pipe, repeat calibration/ countersinking operations and lubricate o-rings with water. For calibration and countersink tools, see the section "Tools and general accessories".

NOTE: it is absolutely forbidden to lubricate o-rings with mineral-based oils or greases.


Fig. 2

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ALPEX DUO

ALPEX DUO



- **Tubo multistrato PE-Xb/Al/PE-Xb in barre.**
- *PE-Xb/Al/PE-Xb multilayer pipe in bars.*
- **Tube multicouche PE-Xb/Al/PE-Xb en barres.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Stangen.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en barras.**

FRÄNKISCHE

Code	Size	Length	Price	Class	Packaging
ALPEX-16B	Ø16/2 (Aluminium 0,30 mm)	5 m	4,59 €/m	HG	75 m
ALPEX-20B	Ø20/2 (Aluminium 0,40 mm)	5 m	5,837 €/m	HG	50 m
ALPEX-26B	Ø26/3 (Aluminium 0,65 mm)	5 m	9,287 €/m	HG	25 m
ALPEX-32B	Ø32/3 (Aluminium 0,85 mm)	5 m	13,485 €/m	HG	20 m
ALPEX-40B	Ø40/3,5 (Aluminium 1,00 mm)	5 m	20,77 €/m	HG	25 m
ALPEX-50B	Ø50/4 (Aluminium 1,20 mm)	5 m	31,256 €/m	HG	25 m
ALPEX-63B	Ø63/4,5 (Aluminium 1,50 mm)	5 m	58,007 €/m	HG	15 m

ALPEX DUO XS



- **Tubo multistrato PE-Xb/Al/PE-HD in rotoli.**
- *PE-Xb/Al/PE-HD multilayer pipe in coils.*
- **Tube multicouche PE-Xb/Al/PE-HD en rouleaux.**
- *Verbundrohr PE-Xb/Al/PE-HD in Rollen.*
- **Tubo multicapa PE-Xb/Al/PE-HD en rollos.**

FRÄNKISCHE

Code	Size	Price	Class	Packaging
ALPEX-16R1	Ø16/2 (Aluminium 0,20 mm)	2,45 €/m	HB	100 m
ALPEX-16R3	Ø16/2 (Aluminium 0,20 mm)	2,45 €/m	HB	301,50 m
ALPEX-18R3	Ø18/2 (Aluminium 0,30 mm)	3,76 €/m	HB	301,50 m
ALPEX-20R1	Ø20/2 (Aluminium 0,30 mm)	3,885 €/m	HB	100 m
ALPEX-26R	Ø26/3 (Aluminium 0,50 mm)	8,131 €/m	HB	50 m
ALPEX-32R	Ø32/3 (Aluminium 0,60 mm)	12,132 €/m	HB	50 m

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ALPEX DUO XS RCB



- **Tubo multistrato PE-Xb/Al/PE-HD in rotoli completo di coibentazione termica.**
- *PE-Xb/Al/PE-HD multilayer pipe in coils complete with thermal insulation.*
- **Tube multicouche PE-Xb/Al/PE-HD en rouleaux avec isolation thermique.**
- *Verbundrohr PE-Xb/Al/PE-HD in Rollen komplett mit Wärmedämmung.*
- **Tubo multicapa PE-Xb/Al/PE-HD en rollos con aislamiento térmico.**

FRÄNKISCHE

Code	Size	Insulation thickness	Color	Price	Class	Packaging
ALPEX-16RCB	Ø16/2 (Aluminium 0,20 mm)	6 mm		3,187 €/m	HE	50 m
ALPEX-18RCB	Ø18/2 (Aluminium 0,30 mm)	6 mm		4,744 €/m	HE	50 m
ALPEX-20RCB	Ø20/2 (Aluminium 0,30 mm)	6 mm		4,865 €/m	HE	50 m
ALPEX-26RCB	Ø26/3 (Aluminium 0,50 mm)	10 mm		10,261 €/m	HE	50 m

ALPEX DUO XS RCR



- **Tubo multistrato PE-Xb/Al/PE-HD in rotoli completo di coibentazione termica.**
- *PE-Xb/Al/PE-HD multilayer pipe in coils complete with thermal insulation.*
- **Tube multicouche PE-Xb/Al/PE-HD en rouleaux avec isolation thermique.**
- *Verbundrohr PE-Xb/Al/PE-HD in Rollen komplett mit Wärmedämmung.*
- **Tubo multicapa PE-Xb/Al/PE-HD en rollos con aislamiento térmico.**

FRÄNKISCHE

Code	Size	Insulation thickness	Color	Price	Class	Packaging
ALPEX-16RCR	Ø16/2 (Aluminium 0,20 mm)	6 mm		3,187 €/m	HE	50 m
ALPEX-18RCR	Ø18/2 (Aluminium 0,30 mm)	6 mm		4,744 €/m	HE	50 m
ALPEX-20RCR	Ø20/2 (Aluminium 0,30 mm)	6 mm		4,865 €/m	HE	50 m
ALPEX-26RCR	Ø26/3 (Aluminium 0,50 mm)	10 mm		10,261 €/m	HE	50 m

ALPEX RCFG



- **Tubo multistrato PE-Xb/Al/PE-HD in rotoli completo di coibentazione termica per raffrescamento.**
- *PE-Xb/Al/PE-HD multilayer pipe in coils complete with thermal insulation for cooling.*
- **Tube multicouche PE-Xb/Al/PE-HD en rouleaux avec isolation thermique pour refroidissement.**
- *Verbundrohr PE-Xb/Al/PE-HD in Rollen komplett mit Wärmedämmung für Kühlung.*
- **Tubo multicapa PE-Xb/Al/PE-HD en rollos con aislamiento térmico para enfriamiento.**

FRÄNKISCHE

Code	Size	Insulation thickness	Color	Price	Class	Packaging
ALPEX-16RCFG	Ø16/2 (Aluminium 0,20 mm)	13 mm		7,279 €/m	HE	50 m
ALPEX-20RCFG	Ø20/2 (Aluminium 0,30 mm)	13 mm		8,656 €/m	HE	50 m
ALPEX-26RCFG	Ø26/3 (Aluminium 0,50 mm)	13 mm		16,096 €/m	HE	25 m
ALPEX-32RCFG	Ø32/3 (Aluminium 0,60 mm)	13 mm		19,246 €/m	HE	25 m

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IVAR-APEX

IVAR-APEX B



- **Tubo multistrato PE-Xb/Al/PE-Xb in barre.**
- *PE-Xb/Al/PE-Xb multilayer pipe in bars.*
- **Tube multicouche PE-Xb/Al/PE-Xb en barres.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Stangen.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en barras.**

Code	Size	Length	Price	Class	Packaging
I-APEX16B4	Ø16/2 (Aluminium 0,20 mm)	4 m	2,165 €/m	HX	100 m
I-APEX20B4	Ø20/2 (Aluminium 0,25 mm)	4 m	3,163 €/m	HX	64 m
I-APEX25B4	Ø25/2,5 (Aluminium 0,30 mm)	4 m	6,788 €/m	HX	40 m
I-APEX26B4	Ø26/3 (Aluminium 0,30 mm)	4 m	6,405 €/m	HX	40 m
I-APEX32B4	Ø32/3 (Aluminium 0,40 mm)	4 m	10,229 €/m	HX	28 m

IVAR-APEX R



- **Tubo multistrato PE-Xb/Al/PE-Xb in rotoli.**
- *PE-Xb/Al/PE-Xb multilayer pipe in coils.*
- **Tube multicouche PE-Xb/Al/PE-Xb en rouleaux.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Rollen.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en rollos.**

Code	Size	Price	Class	Packaging
I-APEX16R100	Ø16/2 (Aluminium 0,20 mm)	1,779 €/m	HM	100 m
I-APEX16R200	Ø16/2 (Aluminium 0,20 mm)	1,779 €/m	HM	200 m
I-APEX16R400	Ø16/2 (Aluminium 0,20 mm)	1,779 €/m	HM	400 m
I-APEX20R100	Ø20/2 (Aluminium 0,25 mm)	2,552 €/m	HM	100 m
I-APEX25R50	Ø25/2,5 (Aluminium 0,30 mm)	5,261 €/m	HM	50 m
I-APEX26R50	Ø26/3 (Aluminium 0,30 mm)	5,261 €/m	HM	50 m
I-APEX32R50	Ø32/3 (Aluminium 0,40 mm)	7,773 €/m	HM	50 m

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IVAR-APEX RCB



- **Tubo multistrato PE-Xb/Al/PE-Xb in rotoli completo di coibentazione termica.**
- *PE-Xb/Al/PE-Xb multilayer pipe in coils complete with thermal insulation.*
- **Tube multicouche PE-Xb/Al/PE-Xb en rouleaux avec isolation thermique.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Rollen komplett mit Wärmedämmung.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en rollos con aislamiento térmico.**

Code	Size	Insulation thickness	Color	Price	Class	Packaging
I-APEX16RCB50	Ø16/2 (Aluminium 0,20 mm)	6 mm		2,433 €/m	HO	50 m
I-APEX20RCB50	Ø20/2 (Aluminium 0,25 mm)	6 mm		3,542 €/m	HO	50 m
I-APEX25RCB25	Ø25/2,5 (Aluminium 0,30 mm)	10 mm		7,335 €/m	HO	25 m
I-APEX25RCB50	Ø25/2,5 (Aluminium 0,30 mm)	10 mm		7,335 €/m	HO	50 m
I-APEX26RCB50	Ø26/3 (Aluminium 0,30 mm)	10 mm		6,936 €/m	HO	50 m
I-APEX32RCB25	Ø32/3 (Aluminium 0,40 mm)	10 mm		11,081 €/m	HO	25 m

IVAR-APEX RCR



- **Tubo multistrato PE-Xb/Al/PE-Xb in rotoli completo di coibentazione termica.**
- *PE-Xb/Al/PE-Xb multilayer pipe in coils complete with thermal insulation.*
- **Tube multicouche PE-Xb/Al/PE-Xb en rouleaux avec isolation thermique.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Rollen komplett mit Wärmedämmung.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en rollos con aislamiento térmico.**

Code	Size	Insulation thickness	Color	Price	Class	Packaging
I-APEX16RCR50	Ø16/2 (Aluminium 0,20 mm)	6 mm		2,433 €/m	HO	50 m
I-APEX20RCR50	Ø20/2 (Aluminium 0,25 mm)	6 mm		3,542 €/m	HO	50 m
I-APEX25RCR25	Ø25/2,5 (Aluminium 0,30 mm)	10 mm		7,335 €/m	HO	25 m
I-APEX25RCR50	Ø25/2,5 (Aluminium 0,30 mm)	10 mm		7,335 €/m	HO	50 m
I-APEX26RCR50	Ø26/3 (Aluminium 0,30 mm)	10 mm		6,936 €/m	HO	50 m
I-APEX32RCR25	Ø32/3 (Aluminium 0,40 mm)	10 mm		11,081 €/m	HO	25 m

IVAR-APEX RCF



- **Tubo multistrato PE-Xb/Al/PE-Xb in rotoli completo di coibentazione termica per raffrescamento.**
- *PE-Xb/Al/PE-Xb multilayer pipe in coils complete with thermal insulation for cooling.*
- **Tube multicouche PE-Xb/Al/PE-Xb en rouleaux avec isolation thermique pour refroidissement.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Rollen komplett mit Wärmedämmung für Kühlung.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en rollos con aislamiento térmico para enfriamiento.**

Code	Size	Insulation thickness	Color	Price	Class	Packaging
I-APEX16RCF50	Ø16/2 (Aluminium 0,20 mm)	13 mm		3,747 €/m	HO	50 m
I-APEX20RCF50	Ø20/2 (Aluminium 0,25 mm)	13 mm		4,823 €/m	HO	50 m
I-APEX26RCF50	Ø26/3 (Aluminium 0,30 mm)	13 mm		8,493 €/m	HO	50 m
I-APEX32RCF25	Ø32/3 (Aluminium 0,40 mm)	13 mm		12,865 €/m	HO	25 m

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E-APEX

E-APEX B



- **Tubo multistrato PE-Xb/Al/PE-Xb in barre.**
- *PE-Xb/Al/PE-Xb multilayer pipe in bars.*
- **Tube multicouche PE-Xb/Al/PE-Xb en barres.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Stangen.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en barras.**

Code	Size	Length	Price	Class	Packaging
E-APEX16B4	Ø16/2 (Aluminium 0,20 mm)	4 m	1,905 €/m	HF	92 m
E-APEX20B4	Ø20/2 (Aluminium 0,20 mm)	4 m	2,89 €/m	HF	56 m
E-APEX26B4	Ø26/3 (Aluminium 0,30 mm)	4 m	5,27 €/m	HF	80 m
E-APEX32B4	Ø32/3 (Aluminium 0,30 mm)	4 m	7,178 €/m	HF	40 m

E-APEX R



- **Tubo multistrato PE-Xb/Al/PE-Xb in rotoli.**
- *PE-Xb/Al/PE-Xb multilayer pipe in coils.*
- **Tube multicouche PE-Xb/Al/PE-Xb en rouleaux.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Rollen.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en rollos.**

Code	Size	Price	Class	Packaging
E-APEX16R100	Ø16/2 (Aluminium 0,20 mm)	1,719 €/m	HF	100 m
E-APEX16R200	Ø16/2 (Aluminium 0,20 mm)	1,719 €/m	HF	200 m
E-APEX16R400	Ø16/2 (Aluminium 0,20 mm)	1,719 €/m	HF	400 m
E-APEX20R100	Ø20/2 (Aluminium 0,20 mm)	2,554 €/m	HF	100 m
E-APEX26R50	Ø26/3 (Aluminium 0,30 mm)	4,674 €/m	HF	50 m
E-APEX32R50	Ø32/3 (Aluminium 0,30 mm)	6,36 €/m	HF	50 m

E-APEX CRB



- **Tubo multistrato PE-Xb/Al/PE-Xb in rotoli completo di guaina corrugata.**
- *PE-Xb/Al/PE-Xb multilayer pipe in coils complete with corrugated sheath.*
- **Tube multicouche PE-Xb/Al/PE-Xb en rouleaux avec gaine ondulée.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Rollen komplett mit Wellschlauch.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en rollos con vaina corrugada.**

Code	Size	Total thickness	Color	Price	Class	Packaging
E-APEX16CRB50	Ø16/2 (Aluminium 0,20 mm)	26 mm		2,723 €/m	HF	50 m
E-APEX20CRB50	Ø20/2 (Aluminium 0,20 mm)	32 mm		3,904 €/m	HF	50 m
E-APEX26CRB50	Ø26/3 (Aluminium 0,30 mm)	46 mm		6,604 €/m	HF	50 m
E-APEX32CRB25	Ø32/3 (Aluminium 0,30 mm)	52 mm		9,158 €/m	HF	25 m

E-APEX CRR



- **Tubo multistrato PE-Xb/Al/PE-Xb in rotoli completo di guaina corrugata.**
- *PE-Xb/Al/PE-Xb multilayer pipe in coils complete with corrugated sheath.*
- **Tube multicouche PE-Xb/Al/PE-Xb en rouleaux avec gaine ondulée.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Rollen komplett mit Wellschlauch.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en rollos con vaina corrugada.**

Code	Size	Total thickness	Color	Price	Class	Packaging
E-APEX16CRR50	Ø16/2 (Aluminium 0,20 mm)	26 mm		2,723 €/m	HF	50 m
E-APEX20CRR50	Ø20/2 (Aluminium 0,20 mm)	32 mm		3,904 €/m	HF	50 m
E-APEX26CRR50	Ø26/3 (Aluminium 0,30 mm)	46 mm		6,604 €/m	HF	50 m
E-APEX32CRR25	Ø32/3 (Aluminium 0,30 mm)	52 mm		9,158 €/m	HF	25 m

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E-APEX RCB



- **Tubo multistrato PE-Xb/Al/PE-Xb in rotoli completo di coibentazione termica.**
- *PE-Xb/Al/PE-Xb multilayer pipe in coils complete with thermal insulation.*
- **Tube multicouche PE-Xb/Al/PE-Xb en rouleaux avec isolation thermique.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Rollen komplett mit Wärmedämmung.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en rollos con aislamiento térmico.**

Code	Size	Insulation thickness	Color	Price	Class	Packaging
E-APEX16RCB50	Ø16/2 (Aluminium 0,20 mm)	6 mm		2,758 €/m	HF	50 m
E-APEX20RCB50	Ø20/2 (Aluminium 0,20 mm)	9 mm		3,857 €/m	HF	50 m
E-APEX26RCB50	Ø26/3 (Aluminium 0,30 mm)	9 mm		6,852 €/m	HF	50 m
E-APEX32RCB25	Ø32/3 (Aluminium 0,30 mm)	9 mm		10,002 €/m	HF	25 m

E-APEX RCR



- **Tubo multistrato PE-Xb/Al/PE-Xb in rotoli completo di coibentazione termica.**
- *PE-Xb/Al/PE-Xb multilayer pipe in coils complete with thermal insulation.*
- **Tube multicouche PE-Xb/Al/PE-Xb en rouleaux avec isolation thermique.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Rollen komplett mit Wärmedämmung.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en rollos con aislamiento térmico.**

Code	Size	Insulation thickness	Color	Price	Class	Packaging
E-APEX16RCR50	Ø16/2 (Aluminium 0,20 mm)	6 mm		2,758 €/m	HF	50 m
E-APEX20RCR50	Ø20/2 (Aluminium 0,20 mm)	9 mm		3,857 €/m	HF	50 m
E-APEX26RCR50	Ø26/3 (Aluminium 0,30 mm)	9 mm		6,852 €/m	HF	50 m
E-APEX32RCR25	Ø32/3 (Aluminium 0,30 mm)	9 mm		10,002 €/m	HF	25 m

E-APEX RCF



- **Tubo multistrato PE-Xb/Al/PE-Xb in rotoli completo di coibentazione termica per raffrescamento.**
- *PE-Xb/Al/PE-Xb multilayer pipe in coils complete with thermal insulation for cooling.*
- **Tube multicouche PE-Xb/Al/PE-Xb en rouleaux avec isolation thermique pour refroidissement.**
- *Verbundrohr PE-Xb/Al/PE-Xb in Rollen komplett mit Wärmedämmung für Kühlung.*
- **Tubo multicapa PE-Xb/Al/PE-Xb en rollos con aislamiento térmico para enfriamiento.**

Code	Size	Insulation thickness	Color	Price	Class	Packaging
E-APEX16RCF50	Ø16/2 (Aluminium 0,20 mm)	13 mm		4,729 €/m	HF	50 m
E-APEX20RCF50	Ø20/2 (Aluminium 0,20 mm)	13 mm		5,903 €/m	HF	50 m
E-APEX26RCF50	Ø26/3 (Aluminium 0,30 mm)	13 mm		9,37 €/m	HF	50 m
E-APEX32RCF25	Ø32/3 (Aluminium 0,30 mm)	13 mm		12,276 €/m	HF	25 m

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IVAR-APERT

IVAR-APERT B



- **Tubo multistrato PE-RT/Al/PE-RT in barre.**
- *PE-RT/Al/PE-RT multilayer pipe in bars.*
- **Tube multicouche PE-RT/Al/PE-RT en barres.**
- *Verbundrohr PE-RT/Al/PE-RT in Stangen.*
- **Tubo multicapa PE-RT/Al/PE-RT en barras.**

Code	Size	Length	Price	Class	Packaging
I-APERT16B4	Ø16/2 (Aluminium 0,20 mm)	4 m	1,755 €/m	HC	92 m
I-APERT20B4	Ø20/2 (Aluminium 0,20 mm)	4 m	2,638 €/m	HC	56 m
I-APERT26B4	Ø26/3 (Aluminium 0,30 mm)	4 m	4,623 €/m	HC	80 m
I-APERT32B4	Ø32/3 (Aluminium 0,30 mm)	4 m	6,59 €/m	HC	40 m

IVAR-APERT R



- **Tubo multistrato PE-RT/Al/PE-RT in rotoli.**
- *PE-RT/Al/PE-RT multilayer pipe in coils.*
- **Tube multicouche PE-RT/Al/PE-RT en rouleaux.**
- *Verbundrohr PE-RT/Al/PE-RT in Rollen.*
- **Tubo multicapa PE-RT/Al/PE-RT en rollos.**

Code	Size	Price	Class	Packaging
I-APERT16R100	Ø16/2 (Aluminium 0,20 mm)	1,549 €/m	HC	100 m
I-APERT16R200	Ø16/2 (Aluminium 0,20 mm)	1,549 €/m	HC	200 m
I-APERT16R400	Ø16/2 (Aluminium 0,20 mm)	1,549 €/m	HC	400 m
I-APERT20R100	Ø20/2 (Aluminium 0,20 mm)	2,333 €/m	HC	100 m
I-APERT26R50	Ø26/3 (Aluminium 0,30 mm)	4,099 €/m	HC	50 m
I-APERT32R50	Ø32/3 (Aluminium 0,30 mm)	5,843 €/m	HC	50 m

IVAR-APERT CRB



- **Tubo multistrato PE-RT/Al/PE-RT in rotoli completo di guaina corrugata.**
- *PE-RT/Al/PE-RT multilayer pipe in coils complete with corrugated sheath.*
- **Tube multicouche PE-RT/Al/PE-RT en rouleaux avec gaine ondulée.**
- *Verbundrohr PE-RT/Al/PE-RT in Rollen komplett mit Wellschlauch.*
- **Tubo multicapa PE-RT/Al/PE-RT en rollos con vaina corrugada.**

Code	Size	Total thickness	Color	Price	Class	Packaging
I-APERT16CRB5	Ø16/2 (Aluminium 0,20 mm)	26 mm		2,50 €/m	HC	50 m
I-APERT20CRB5	Ø20/2 (Aluminium 0,20 mm)	32 mm		3,689 €/m	HC	50 m
I-APERT26CRB5	Ø26/3 (Aluminium 0,30 mm)	46 mm		6,013 €/m	HC	50 m
I-APERT32CRB2	Ø32/3 (Aluminium 0,30 mm)	52 mm		8,645 €/m	HC	25 m

IVAR-APERT CRR



- **Tubo multistrato PE-RT/Al/PE-RT in rotoli completo di guaina corrugata.**
- *PE-RT/Al/PE-RT multilayer pipe in coils complete with corrugated sheath.*
- **Tube multicouche PE-RT/Al/PE-RT en rouleaux avec gaine ondulée.**
- *Verbundrohr PE-RT/Al/PE-RT in Rollen komplett mit Wellschlauch.*
- **Tubo multicapa PE-RT/Al/PE-RT en rollos con vaina corrugada.**

Code	Size	Total thickness	Color	Price	Class	Packaging
I-APERT16CRR5	Ø16/2 (Aluminium 0,20 mm)	26 mm		2,50 €/m	HC	50 m
I-APERT20CRR5	Ø20/2 (Aluminium 0,20 mm)	32 mm		3,689 €/m	HC	50 m
I-APERT26CRR5	Ø26/3 (Aluminium 0,30 mm)	46 mm		6,013 €/m	HC	50 m
I-APERT32CRR2	Ø32/3 (Aluminium 0,30 mm)	52 mm		8,645 €/m	HC	25 m

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IVAR-APERT RCB



- **Tubo multistrato PE-RT/Al/PE-RT in rotoli completo di coibentazione termica.**
- *PE-RT/Al/PE-RT multilayer pipe in coils complete with thermal insulation.*
- **Tube multicouche PE-RT/Al/PE-RT en rouleaux avec isolation thermique.**
- *Verbundrohr PE-RT/Al/PE-RT in Rollen komplett mit Wärmedämmung.*
- **Tubo multicapa PE-RT/Al/PE-RT en rollos con aislamiento térmico.**

Code	Size	Insulation thickness	Color	Price	Class	Packaging
I-APERT16RCB5	Ø16/2 (Aluminium 0,20 mm)	6 mm		2,576 €/m	HC	50 m
I-APERT20RCB5	Ø20/2 (Aluminium 0,20 mm)	9 mm		3,616 €/m	HC	50 m
I-APERT26RCB5	Ø26/3 (Aluminium 0,30 mm)	9 mm		6,233 €/m	HC	50 m
I-APERT32RCB2	Ø32/3 (Aluminium 0,30 mm)	9 mm		9,439 €/m	HC	25 m

IVAR-APERT RCR



- **Tubo multistrato PE-RT/Al/PE-RT in rotoli completo di coibentazione termica.**
- *PE-RT/Al/PE-RT multilayer pipe in coils complete with thermal insulation.*
- **Tube multicouche PE-RT/Al/PE-RT en rouleaux avec isolation thermique.**
- *Verbundrohr PE-RT/Al/PE-RT in Rollen komplett mit Wärmedämmung.*
- **Tubo multicapa PE-RT/Al/PE-RT en rollos con aislamiento térmico.**

Code	Size	Insulation thickness	Color	Price	Class	Packaging
I-APERT16RCR5	Ø16/2 (Aluminium 0,20 mm)	6 mm		2,576 €/m	HC	50 m
I-APERT20RCR5	Ø20/2 (Aluminium 0,20 mm)	9 mm		3,616 €/m	HC	50 m
I-APERT26RCR5	Ø26/3 (Aluminium 0,30 mm)	9 mm		6,233 €/m	HC	50 m
I-APERT32RCR2	Ø32/3 (Aluminium 0,30 mm)	9 mm		9,439 €/m	HC	25 m

IVAR-APERT RCF



- **Tubo multistrato PE-RT/Al/PE-RT in rotoli completo di coibentazione termica per raffrescamento.**
- *PE-RT/Al/PE-RT multilayer pipe in coils complete with thermal insulation for cooling.*
- **Tube multicouche PE-RT/Al/PE-RT en rouleaux avec isolation thermique pour refroidissement.**
- *Verbundrohr PE-RT/Al/PE-RT in Rollen komplett mit Wärmedämmung für Kühlung.*
- **Tubo multicapa PE-RT/Al/PE-RT en rollos con aislamiento térmico para enfriamiento.**

Code	Size	Insulation thickness	Color	Price	Class	Packaging
I-APERT16RCF5	Ø16/2 (Aluminium 0,20 mm)	13 mm		4,543 €/m	HC	50 m
I-APERT20RCF5	Ø20/2 (Aluminium 0,20 mm)	13 mm		5,667 €/m	HC	50 m
I-APERT26RCF5	Ø26/3 (Aluminium 0,30 mm)	13 mm		8,739 €/m	HC	50 m
I-APERT32RCF2	Ø32/3 (Aluminium 0,30 mm)	13 mm		11,698 €/m	HC	25 m

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PE-RT

PE-RT (Polyethylene of Raised Temperature Resistance) is a polyethylene with improved mechanical resistance to high temperatures. Normal polyethylene has its polymer chains organised in a lamellar crystalline structure. By mixing a suitably different comonomer (Octene- 1) with polyethylene, it is possible to stimulate the formation of amorphous polymeric segments connecting the crystals of the material. These segments, called tie chains, show extensibility and mobility properties and improve the hardness of polyethylene and its resistance to high temperatures. Therefore PE-RT manufacture requires no cross-linking and for this reason the material remains thermoplastic, flexible and easy to join by fusion. Like PE-X, PE-RT also needs an EVOH barrier to prevent the diffusion of oxygen inside heating and cooling systems. PE-RT is often preferred for the implementation of radiant heating systems, where for a medium sized residential unit several hundred metres can be used. This is both because of its high flexibility, which facilitates its bending, and for the simpler industrial process necessary for its manufacture, which makes PE-RT economically competitive.

PLUS

- **Particularly flexible**
- **Good strength characteristics at high temperatures**
- **Economically competitive**

IVAR PE-RT 5



- **Tubo PE-RT in rotoli con barriera EVOH a 5 strati.**
- *PE-RT pipe in coils with 5-layer EVOH barrier.*
- **Tuyau PE-RT en rouleaux avec barrière EVOH à 5 couches.**
- *PE-RT-Rohr mit EVOH-Barriere in Rollen, fünfschichtig.*
- **Tubo PE-RT en rollos con barrera EVOH de 5 capas.**

Code	Size	Price	Class	Packaging
I-PERT5L16R12	Ø16/2	1,381 €/m	HN	120 m
I-PERT5L16R25	Ø16/2	1,381 €/m	HN	250 m
I-PERT5L16R30	Ø16/2	1,381 €/m	HN	300 m
I-PERT5L16R60	Ø16/2	1,381 €/m	HN	600 m
I-PERT5L17R12	Ø17/2	1,437 €/m	HN	120 m
I-PERT5L17R25	Ø17/2	1,437 €/m	HN	250 m
I-PERT5L17R60	Ø17/2	1,437 €/m	HN	600 m
I-PERT5L20R25	Ø20/2	2,069 €/m	HN	250 m
I-PERT5L20R50	Ø20/2	2,069 €/m	HN	500 m

HK PE-RT



- **Tubo in polietilene a resistenza termica maggiorata in rotoli.**
- *High thermal resistance polyethylene pipe in coils.*
- **Tuyau en polyéthylène avec résistance thermique augmenté en rouleaux.**
- *Polyethylenrohr mit thermischem Widerstand erhöht in Rollen.*
- **Tubo de polietileno con resistencia térmica aumentada en rollos.**

Code	Size	Price	Class	Packaging
HK-PERT10R2	Ø10/1,3	2,055 €/m	HH	200 m
HK-PERT10R10	Ø10/1,3	1,847 €/m	HH	1000 m

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OXYGEN BARRIER PEX

Cross-linked polyethylene is typically made of high density polyethylene (HDPE) using an industrial process called cross-linking. Through this process, which creates strong bonds among the polymer chains, polyethylene is transformed from a thermoplastic to a thermoset, its resistance to chemical agents and mechanical stress is greatly improved and, above all, its resistance to ageing (i.e. its ability to maintain its properties stable over time) is improved.

From an industrial point of view, cross-linking is achieved by different methods, known by the names:

- Type A cross-linking (chemical method using peroxides)
- Type B cross-linking (chemical method using silanes)
- Type C cross-linking (physical method using electron beam)
- Type D cross-linking (chemical method using nitrogen compounds)

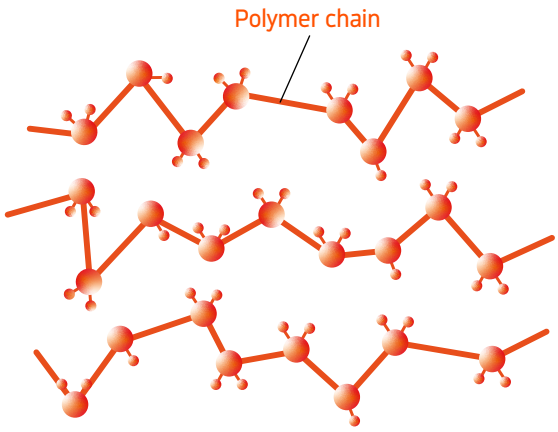
Type D cross-linking is not used for plumbing and heating applications, while Types A, B, and C polyethylene cross-linking, which are called PE-Xa, PE-Xb and PE-Xc, are very common.

Current standards define different minimum levels of cross-linking for different cross-linked types, especially for reasons linked to manufacturing processes. However, this does not substantially change the final result, which is still cross-linked polyethylene. It makes no sense to compare cross-linking methods defining one as “better” or “worse” than another.

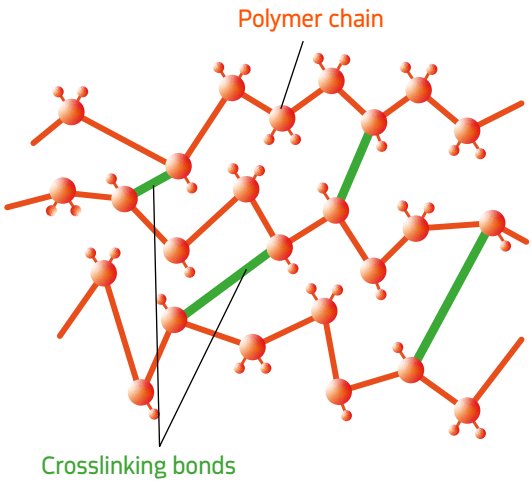
All plastics have a certain gas permeability, including oxygen. Therefore, a certain amount of oxygen can pass through the walls of PE-X pipes over time. for this reason, in closed loop systems such as heating and cooling, they must include an EVOH (Ethylene Vinyl Alcohol) barrier, capable of significantly reducing the passage of oxygen molecules and thereby preventing their spread in the system. This results in cleaner circulating water (reducing the formation of algae) and a lower risk of corrosion of any ferrous parts of the system.

Therefore, all PE-X pipes proposed by IVAR have an EVOH oxygen barrier.

PEHD



PE-X



PLUS

- **Material with low surface roughness, reduces the risk of scale**
- **Highly resistant to chemical agents and especially to chlorinated water**
- **High mechanical strength at both high and low temperatures**

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IVAR PE-Xa 3



- **Tubo in polietilene reticolato PE-Xa in rotoli con barriera EVOH a 3 strati.**
- *Pipe made of cross-linked polyethylene PE-Xa in coils with 3-layer EVOH barrier.*
- **Tuyau en polyéthylène réticulé PE-Xa en rouleaux avec barrière EVOH à 3 couches.**
- *Rohr aus vernetztem Polyethylen PE-Xa in Rollen mit EVOH-Barriere, dreischichtig.*
- **Tubo de polietileno reticulado PE-Xa en rollos con barrera EVOH de 3 capas.**

Code	Size	Price	Class	Packaging
I-PEXA3L16R12	Ø16/2	1,733 €/m	HN	120 m
I-PEXA3L16R25	Ø16/2	1,733 €/m	HN	250 m
I-PEXA3L16R60	Ø16/2	1,733 €/m	HN	600 m
I-PEXA3L17R12	Ø17/2	1,805 €/m	HN	120 m
I-PEXA3L17R25	Ø17/2	1,805 €/m	HN	250 m
I-PEXA3L17R60	Ø17/2	1,805 €/m	HN	600 m
I-PEXA3L20R25	Ø20/2	2,308 €/m	HN	250 m
I-PEXA3L20R50	Ø20/2	2,308 €/m	HN	500 m

IVAR-PE-Xa 3 CRB



- **Tubo PE-Xa con barriera EVOH a 3 strati completo di guaina corrugata.**
- *PE-Xa pipe with 3-layer EVOH barrier complete with corrugated sheath.*
- **Tuyau PE-Xa avec barrière EVOH à 3 couches avec gaine ondulée.**
- *3-lagiges PE-Xa-3-Rohr komplett mit EVOH-Barriere und Wellschlauch.*
- **Tubo PE-Xa con barrera EVOH de 3 capas con vaina corrugada.**

Code	Size	Total thickness	Color	Price	Class	Packaging
I-PEXA12CRB50	Ø12/1,1	21 mm		1,948 €/m	HN	50 m
I-PEXA16CRB50	Ø16/1,5	26 mm		2,317 €/m	HN	50 m
I-PEXA20CRB50	Ø20/1,9	32 mm		3,847 €/m	HN	50 m
I-PEXA25CRB50	Ø25/2,3	40 mm		5,909 €/m	HN	50 m

IVAR-PE-Xa 3 CRR



- **Tubo PE-Xa con barriera EVOH a 3 strati completo di guaina corrugata.**
- *PE-Xa pipe with 3-layer EVOH barrier complete with corrugated sheath.*
- **Tuyau PE-Xa avec barrière EVOH à 3 couches avec gaine ondulée.**
- *3-lagiges PE-Xa-3-Rohr komplett mit EVOH-Barriere und Wellschlauch.*
- **Tubo PE-Xa con barrera EVOH de 3 capas con vaina corrugada.**

Code	Size	Total thickness	Color	Price	Class	Packaging
I-PEXA12CRR50	Ø12/1,1	21 mm		1,948 €/m	HN	50 m
I-PEXA16CRR50	Ø16/1,5	26 mm		2,317 €/m	HN	50 m
I-PEXA20CRR50	Ø20/1,9	32 mm		3,847 €/m	HN	50 m
I-PEXA25CRR50	Ø25/2,3	40 mm		5,909 €/m	HN	50 m

IVAR-PE-Xa 3 RCB



- **Tubo PE-Xa con barriera EVOH a 3 strati completo di coibentazione termica.**
- *PE-Xa pipe with 3-layer EVOH barrier complete with thermal insulation.*
- **Tuyau PE-Xa avec barrière EVOH à 3 couches avec isolation thermique.**
- *3-lagiges PE-Xa-3-Rohr komplett mit EVOH-Barriere und Wärmedämmung.*
- **Tubo PE-Xa con barrera EVOH de 3 capas con aislamiento térmico.**

Code	Size	Insulation thickness	Color	Price	Class	Packaging
I-PEXA20RCB25	Ø20/2	9 mm		4,774 €/m	HN	25 m

IVAR-PE-Xa 3 RCR



- **Tubo PE-Xa con barriera EVOH a 3 strati completo di coibentazione termica.**
- *PE-Xa pipe with 3-layer EVOH barrier complete with thermal insulation.*
- **Tuyau PE-Xa avec barrière EVOH à 3 couches avec isolation thermique.**
- *3-lagiges PE-Xa-3-Rohr komplett mit EVOH-Barriere und Wärmedämmung.*
- **Tubo PE-Xa con barrera EVOH de 3 capas con aislamiento térmico.**

Code	Size	Insulation thickness	Color	Price	Class	Packaging
I-PEXA20RCR25	Ø20/2	9 mm		4,774 €/m	HN	25 m

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FF-Therm PE-Xa



- **Tubo FF-Therm in polietilene reticolato PE-Xa in rotoli e barriera anti ossigeno (EVOH / DIN4726).**
- *FF-Therm pipe made of cross-linked polyethylene PE-Xa in coils and anti-oxygen barrier (EVOH / DIN4726).*
- **Tuyau FF-Therm en polyéthylène réticulé PE-Xa en rouleaux et barrière anti-oxygène (EVOH / DIN4726).**
- *FF-Therm-Rohr aus vernetztem Polyethylen PE-Xa in Rollen und Anti-Sauerstoff-Barriere (EVOH / DIN4726).*
- **Tubo FF-Therm de polietileno reticulado PE-Xa con barrera de oxigeno (EVOH / DIN4726) en rollos.**

FRÄNKISCHE

Code	Size	Price	Class	Packaging
FF-PEXA16R2	Ø16/2	2,026 €/m	HH	200 m
FF-PEXA16R6	Ø16/2	2,026 €/m	HH	600 m
FF-PEXA17R1	Ø17/2	2,158 €/m	HH	120 m
FF-PEXA17R25	Ø17/2	2,158 €/m	HH	250 m
FF-PEXA17R6	Ø17/2	2,158 €/m	HH	600 m
FF-PEXA18R2	Ø18/2	3,084 €/m	HH	200 m
FF-PEXA18R6	Ø18/2	3,084 €/m	HH	600 m
FF-PEXA20R2	Ø20/2	2,737 €/m	HH	200 m
FF-PEXA20R5	Ø20/2	2,737 €/m	HH	500 m
FF-PEXA25R2	Ø25/2,3	4,592 €/m	HH	200 m
FF-PEXA25R45	Ø25/2,3	4,592 €/m	HH	450 m

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PRESS FITTINGS M•P

MULTI-PRESS is the IVAR press fitting designed and tested for use with 7 different crimping profiles (BE, B, TH, R, H, F and U). Its body is made of CW617N. Also available upon request is the version with a lead-free copper-silicon alloy or Cuphin® CW724R body, (add the suffix "C" to the code), which conforms to the positive lists of metal materials suitable for applications in contact with drinking water (4 MS Common Composition List and the UBA List defined by the German Federal Environment Agency).
The geometry of the fitting, which was designed to provide optimal coupling between pipe and fitting after pressing and the windows on the bushing flange used to verify that the pipe and two peroxide EPDM O-rings on each end have been inserted properly are all details that help to ensure the applicability and reliability of the product.
Available in a broad range of configurations and sizes from 16/2 to 63/4.5.

Technical specifications:
Maximum operating temperature: 120 °C
Maximum operating static pressure: 10 bar

⊕ PLUS

Guide for correct crimping

Optimized water flow (reduced pressure loss)

CW617N

CUPHIN
On REQUEST

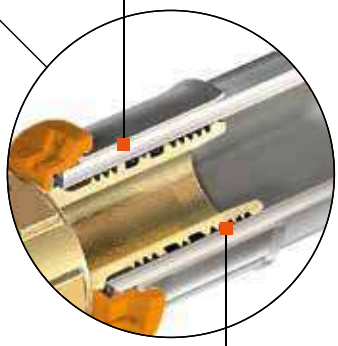


Sawtooth profile for maximum pull-out resistance

Solution-treated stainless steel to protect the crimper

Extended slots to check for proper pipe insertion

Fitting can be rotated even after crimping



Double O-Ring for maximum seal after crimping

- **Compatible with all TH - H/R - U - B/BE - F crimping profiles**
- **Complete range of figures**
- **Ø from 16 to 63 mm**

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Ø (mm)		16	18	20	25	26	32	40	50	63
Spessore *Thickness* Épaisseur *Dicke* Espesor (mm)		2 2,25	2	2 2,25 2,5	2,5	3	3	3,5	4	4,5
	BE**	■	-	■	-	■	■	-	-	-
	B***	■	■	■	-	■	■	-	-	-
	F***	■	■	■	-	■	■	■	■	■
	R**	■	■	■	■	■	■	-	-	-
	H***	■	■	■	■	■	■	■	-	-
	TH*	■	■	■	■	■	■	■	■	■
	U*	■	■	■	■	-	■	■	■	■

*** Rothenberger/Rems** **** Rothenberger** ***** Rems**

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MP 5700 R



- **Raccordo diritto ridotto.**
- *Straight reduced fitting.*
- **Raccord droit reduit.**
- *Reduzierter Durchgangs-Verbinder.*
- **Racor recto reducido.**

Code	Size	Price	Class	Packaging
510040MP	16/2 x 18/2	6,73 €	IM	40 / 160
510008MP	16/2 x 20/2	6,54 €	IM	40 / 160
512103MP	16/2 x 20/2,5	6,73 €	IM	40 / 160
510135MP	16/2 x 25/2,5	8,83 €	IM	20 / 80
510009MP	16/2 x 26/3	8,83 €	IM	20 / 80
510024MP	16/2 x 32/3	11,70 €	IM	15 / 60
511031MP	16/2,25 x 20/2,25	6,73 €	IM	40 / 160
511032MP	16/2,25 x 20/2,5	6,73 €	IM	40 / 160
510039MP	18/2 x 20/2	7,10 €	IM	40 / 160
510041MP	18/2 x 26/3	9,18 €	IM	20 / 80
510200MP	20/2 x 20/2,5	7,10 €	IM	40 / 160
510137MP	20/2 x 25/2,5	9,18 €	IM	20 / 80
510010MP	20/2 x 26/3	9,18 €	IM	20 / 80
510023MP	20/2 x 32/3	12,44 €	IM	15 / 60
511035MP	20/2,25 x 25/2,5	9,18 €	IM	20 / 80
511036MP	20/2,25 x 26/3	9,18 €	IM	20 / 80
511038MP	20/2,5 x 25/2,5	9,18 €	IM	20 / 80
511039MP	20/2,5 x 26/3	9,18 €	IM	20 / 80
510181MP	25/2,5 x 26/3	10,57 €	IM	20 / 80
510138MP	25/2,5 x 32/3	13,39 €	IM	15 / 60
510019MP	26/3 x 32/3	13,39 €	IM	15 / 60
510129	20/2 x 40/3,5	28,62 €	IB	1 / 40
510139	25/2,5 x 40/3,5	30,82 €	IB	1 / 40
510108	26/3 x 40/3,5	30,82 €	IB	1 / 40
510173	25/2,5 x 50/4	41,90 €	IB	1 / 30
510128	26/3 x 50/4	41,90 €	IB	1 / 30
510031	32/3 x 40/3,5	30,82 €	IB	1 / 40
510103	32/3 x 50/4	41,90 €	IB	1 / 30
510029	40/3,5 x 50/4	54,18 €	IB	1 / 25
510054	40/3,5 x 63/4,5	86,81 €	IB	1 / 15
510055	50/4 x 63/4,5	86,81 €	IB	1 / 15

MP 5700



- **Raccordo diritto.**
- *Straight fitting.*
- **Raccord droit.**
- *Kupplung.*
- **Racor recto.**

Code	Size	Price	Class	Packaging
510005MP	16/2 x 16/2	5,41 €	IM	40 / 160
511030MP	16/2,25 x 16/2,25	5,57 €	IM	40 / 160
510038MP	18/2 x 18/2	7,10 €	IM	40 / 160
510006MP	20/2 x 20/2	7,10 €	IM	30 / 120
511034MP	20/2,25 x 20/2,25	7,10 €	IM	40 / 160
511037MP	20/2,5 x 20/2,5	7,10 €	IM	40 / 160
510134MP	25/2,5 x 25/2,5	10,57 €	IM	20 / 80
510007MP	26/3 x 26/3	10,57 €	IM	20 / 80
510020MP	32/3 x 32/3	15,64 €	IM	15 / 60
510030	40/3,5 x 40/3,5	34,94 €	IB	1 / 40
510028	50/4 x 50/4	54,18 €	IB	1 / 25
510053	63/4,5 x 63/4,5	88,46 €	IB	1 / 15

MP 5704



- **Raccordo a 45°.**
- *45° fitting.*
- **Raccord à 45°.**
- *Verbindungsstück 45°.*
- **Racor a 45°.**

Code	Size	Price	Class	Packaging
510169MP	25/2,5 x 25/2,5	15,70 €	IM	15 / 60
510099MP	26/3 x 26/3	15,70 €	IM	15 / 60
510100MP	32/3 x 32/3	18,09 €	IM	10 / 40
510101	40/3,5 x 40/3,5	63,49 €	IB	1 / 25
510102	50/4 x 50/4	81,44 €	IB	1 / 12
511093	63/4,5 x 63/4,5	130,90 €	IB	1 / 7

- **È possibile ordinare questi articoli in versione Cuphin® CW724R (aggiungere il suffisso "C" al codice).**
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- **Puede pedir estos artículos en la versión Cuphin® CW724R (sufijo "C" al final del código).**

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MP 5710



- **Raccordo ad angolo.**
- *Angle fitting.*
- **Raccord à angle.**
- *Winkel-Kupplung.*
- **Racor codo.**

Code	Size	Price	Class	Packaging
511009MP	16/2 x 16/2	6,31 €	IM	30 / 120
511053MP	16/2,25 x 16/2,25	6,31 €	IM	30 / 120
511018MP	18/2 x 18/2	7,83 €	IM	30 / 120
511010MP	20/2 x 20/2	7,83 €	IM	30 / 120
511054MP	20/2,25 x 20/2,25	7,83 €	IM	30 / 120
511055MP	20/2,5 x 20/2,5	7,83 €	IM	30 / 120
510140MP	25/2,5 x 25/2,5	11,73 €	IM	15 / 60
511011MP	26/3 x 26/3	11,73 €	IM	15 / 60
511012MP	32/3 x 32/3	17,46 €	IM	10 / 40
510035	40/3,5 x 40/3,5	40,89 €	IB	1 / 20
510036	50/4 x 50/4	63,23 €	IB	1 / 10
510056	63/4,5 x 63/4,5	94,64 €	IB	1 / 7

MP 5720



- **Raccordo a T.**
- *Tee fitting.*
- **Raccord à T.**
- *T-Stück.*
- **Racor en Te.**

Code	Size	Price	Class	Packaging
512001MP	16/2 x 16/2 x 16/2	8,07 €	IM	20 / 80
511067MP	16/2,25 x 16/2,25 x 16/2,25	8,07 €	IM	20 / 80
512054MP	18/2 x 18/2 x 18/2	11,31 €	IM	16 / 64
512002MP	20/2 x 20/2 x 20/2	11,31 €	IM	16 / 64
511070MP	20/2,25 x 20/2,25 x 20/2,25	11,31 €	IM	16 / 64
511073MP	20/2,5 x 20/2,5 x 20/2,5	11,31 €	IM	16 / 64
510143MP	25/2,5 x 25/2,5 x 25/2,5	17,36 €	IM	10 / 40
512003MP	26/3 x 26/3 x 26/3	17,36 €	IM	10 / 40
512020MP	32/3 x 32/3 x 32/3	27,73 €	IM	8 / 32
512035	40/3,5 x 40/3,5 x 40/3,5	62,40 €	IB	1 / 12
512036	50/4 x 50/4 x 50/4	100,26 €	IB	1 / 7
510058	63/4,5 x 63/4,5 x 63/4,5	157,16 €	IB	1 / 4

MP 5720 RLL



- **Raccordo a T con attacchi laterali ridotti.**
- *Tee fitting with reduced side connections.*
- **Raccord à T avec connexions latérales réduites.**
- *T-Stück mit reduzierten seitlichen Anschlüssen.*
- **Racor en Te con conexiones laterales reducidas.**

Code	Size	Price	Class	Packaging
512056MP	16/2 x 18/2 x 16/2	10,57 €	IM	16 / 64
512013MP	16/2 x 20/2 x 16/2	10,57 €	IM	16 / 64
510147MP	20/2 x 25/2,5 x 20/2	15,96 €	IM	12 / 48
512014MP	20/2 x 26/3 x 20/2	15,96 €	IM	12 / 48
512051MP	20/2 x 32/3 x 20/2	24,27 €	IM	8 / 32
510179MP	25/2,5 x 32/3 x 25/2,5	25,21 €	IM	8 / 32
512019MP	26/3 x 32/3 x 26/3	25,21 €	IM	8 / 32
510120	32/3 x 40/3,5 x 32/3	58,04 €	IB	1 / 16
510127	40/3,5 x 50/4 x 40/3,5	96,29 €	IB	1 / 7
510122	50/4 x 63/4,5 x 50/4	144,93 €	IB	1 / 6

MP 5720 RCL



- **Raccordo a T con attacco centrale e laterale ridotti.**
- *Tee fitting with reduced central and side connection.*
- **Raccord à T avec connexion centrale et latérale réduites.**
- *T-Stück mit reduziertem Mittel- und Seitenanschluss.*
- **Racor en Te con conexión central y lateral reducida.**

Code	Size	Price	Class	Packaging
512058MP	16/2 x 16/2 x 18/2	10,57 €	IM	16 / 64
512009MP	16/2 x 16/2 x 20/2	10,57 €	IM	16 / 64
511068MP	16/2 x 16/2 x 20/2,25	10,57 €	IM	16 / 64
512101MP	16/2 x 16/2 x 20/2,5	10,57 €	IM	16 / 64
512064MP	18/2 x 18/2 x 20/2	11,31 €	IM	16 / 64
512062MP	18/2 x 18/2 x 26/3	15,96 €	IM	10 / 40
510154MP	20/2 x 20/2 x 25/2,5	15,96 €	IM	12 / 48
512012MP	20/2 x 20/2 x 26/3	15,96 €	IM	12 / 48
512021MP	20/2 x 20/2 x 32/3	24,27 €	IM	8 / 32
510155MP	25/2,5 x 25/2,5 x 32/3	25,21 €	IM	8 / 32
512017MP	26/3 x 26/3 x 32/3	25,21 €	IM	8 / 32
510156	25/2,5 x 25/2,5 x 40/3,5	58,04 €	IB	1 / 16
510116	26/3 x 26/3 x 40/3,5	58,04 €	IB	1 / 16
510118	32/3 x 32/3 x 40/3,5	58,04 €	IB	1 / 16
510125	40/3,5 x 40/3,5 x 50/4	96,29 €	IB	1 / 7
510121	50/4 x 50/4 x 63/4,5	144,93 €	IB	1 / 6

- **È possibile ordinare questi articoli in versione Cuphin® CW724R (aggiungere il suffisso "C" al codice).**
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MP 5720 RC



- **Raccordo a T con attacco centrale ridotto.**
- *Tee fitting with reduced central connection.*
- **Raccord à T avec connexion centrale réduite.**
- *T-Stück mit reduziertem Zentralanschluss.*
- **Racor en Te con conexión central reducida.**

Code	Size	Price	Class	Packaging
512055MP	18/2 x 16/2 x 18/2	10,96 €	IM	16 / 64
512004MP	20/2 x 16/2 x 20/2	10,96 €	IM	16 / 64
510182MP	20/2,25 x 16/2 x 20/2,25	10,96 €	IM	16 / 64
511071MP	20/2,5 x 16/2 x 20/2,5	10,96 €	IM	16 / 64
511072MP	20/2,5 x 16/2,25 x 20/2,5	10,96 €	IM	16 / 64
510144MP	25/2,5 x 16/2 x 25/2,5	15,96 €	IM	12 / 48
511074MP	25/2,5 x 16/2,25 x 25/2,5	15,96 €	IM	12 / 48
510146MP	25/2,5 x 20/2 x 25/2,5	16,34 €	IM	12 / 48
511075MP	25/2,5 x 20/2,25 x 25/2,5	16,34 €	IM	12 / 48
511076MP	25/2,5 x 20/2,5 x 25/2,5	16,34 €	IM	12 / 48
512005MP	26/3 x 16/2 x 26/3	15,96 €	IM	12 / 48
511077MP	26/3 x 16/2,25 x 26/3	15,96 €	IM	12 / 48
512059MP	26/3 x 18/2 x 26/3	16,34 €	IM	12 / 48
512006MP	26/3 x 20/2 x 26/3	16,34 €	IM	12 / 48
511078MP	26/3 x 20/2,25 x 26/3	16,34 €	IM	12 / 48
512015MP	32/3 x 16/2 x 32/3	22,79 €	IM	8 / 32
512060MP	32/3 x 18/2 x 32/3	25,33 €	IM	8 / 32
512016MP	32/3 x 20/2 x 32/3	25,33 €	IM	8 / 32
511081MP	32/3 x 20/2,25 x 32/3	25,33 €	IM	8 / 32
511082MP	32/3 x 20/2,5 x 32/3	25,33 €	IM	8 / 32
510174MP	32/3 x 25/2,5 x 32/3	26,59 €	IM	8 / 32
512018MP	32/3 x 26/3 x 32/3	26,59 €	IM	8 / 32
512089	40/3,5 x 20/2 x 40/3,5	62,40 €	IB	1 / 15
510175	40/3,5 x 25/2,5 x 40/3,5	62,40 €	IB	1 / 15
512090	40/3,5 x 26/3 x 40/3,5	62,40 €	IB	1 / 15
512037	40/3,5 x 32/3 x 40/3,5	62,40 €	IB	1 / 14
512091	50/4 x 20/2 x 50/4	96,29 €	IB	1 / 10
510176	50/4 x 25/2,5 x 50/4	96,29 €	IB	1 / 10
512092	50/4 x 26/3 x 50/4	96,29 €	IB	1 / 10
512039	50/4 x 32/3 x 50/4	96,43 €	IB	1 / 10
512038	50/4 x 40/3,5 x 50/4	99,89 €	IB	1 / 7
510177	63/4,5 x 25/2,5 x 63/4,5	106,34 €	IB	1 / 6
512093	63/4,5 x 26/3 x 63/4,5	106,34 €	IB	1 / 6
512094	63/4,5 x 32/3 x 63/4,5	106,34 €	IB	1 / 6
512095	63/4,5 x 40/3,5 x 63/4,5	106,34 €	IB	1 / 6
510059	63/4,5 x 50/4 x 63/4,5	154,69 €	IB	1 / 5

MP 5720 RL



- **Raccordo a T con attacco laterale ridotto.**
- *Tee fitting with reduced side connection.*
- **Raccord à T avec connexion latérale réduite.**
- *T-Stück mit reduziertem seitlichen Anschluss.*
- **Racor en Te con conexión lateral reducida.**

Code	Size	Price	Class	Packaging
512007MP	20/2 x 20/2 x 16/2	10,96 €	IM	16 / 64
510148MP	25/2,5 x 25/2,5 x 16/2	15,96 €	IM	12 / 48
510150MP	25/2,5 x 25/2,5 x 20/2	16,33 €	IM	12 / 48
512048MP	26/3 x 26/3 x 16/2	15,96 €	IM	12 / 48
512063MP	26/3 x 26/3 x 18/2	16,33 €	IM	10 / 40
512008MP	26/3 x 26/3 x 20/2	16,33 €	IM	12 / 48
512068MP	32/3 x 32/3 x 16/2	22,79 €	IM	8 / 32
512052MP	32/3 x 32/3 x 20/2	25,33 €	IM	8 / 32
510151MP	32/3 x 32/3 x 25/2,5	26,59 €	IM	8 / 32
512053MP	32/3 x 32/3 x 26/3	26,59 €	IM	8 / 32
510152	40/3,5 x 40/3,5 x 25/2,5	62,40 €	IB	1 / 16
510117	40/3,5 x 40/3,5 x 26/3	62,40 €	IB	1 / 16
510119	40/3,5 x 40/3,5 x 32/3	62,40 €	IB	1 / 16
510124	50/4 x 50/4 x 32/3	96,29 €	IB	1 / 10
510126	50/4 x 50/4 x 40/3,5	98,50 €	IB	1 / 7
510123	63/4,5 x 63/4,5 x 50/4	154,69 €	IB	1 / 6

MP 5720 RR



- **Raccordo a T con attacchi a doppia riduzione.**
- *Tee fitting with double reduction connections.*
- **Raccord à T avec des connexions à double réduction.**
- *T-Stück mit Doppel Reduktion Anschlüssen.*
- **Racor en Te con conexiones de doble reducción.**

Code	Size	Price	Class	Packaging
510157MP	25/2,5 x 16/2 x 20/2	14,46 €	IM	12 / 48
510158MP	25/2,5 x 20/2 x 16/2	14,46 €	IM	12 / 48
510159MP	32/3 x 20/2 x 25/2,5	24,41 €	IM	8 / 32
510160MP	32/3 x 25/2,5 x 20/2	24,41 €	IM	8 / 32
512010MP	26/3 x 16/2 x 20/2	14,46 €	IM	12 / 48
512011MP	26/3 x 20/2 x 16/2	14,46 €	IM	12 / 48
512050MP	32/3 x 20/2 x 26/3	24,41 €	IM	8 / 32
512024MP	32/3 x 26/3 x 20/2	24,41 €	IM	8 / 32

- **È possibile ordinare questi articoli in versione Cuphin® CW724R (aggiungere il suffisso "C" al codice).**
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MP 5608



- **Raccordo diritto maschio.**
- *Straight male fitting.*
- **Raccord droit mâle.**
- *Durchgang AG Verbinder.*
- **Racor recto macho.**

Code	Size	Price	Class	Packaging
510084MP	3/8" M x 16/2	5,79 €	IM	50 / 200
510001MP	1/2" M x 16/2	4,192 €	IM	40 / 160
511045MP	1/2" M x 16/2,25	4,192 €	IM	40 / 160
510105MP	3/4" M x 16/2	6,61 €	IM	30 / 120
510042MP	1/2" M x 18/2	4,851 €	IM	40 / 160
510043MP	3/4" M x 18/2	6,18 €	IM	30 / 120
510002MP	1/2" M x 20/2	4,851 €	IM	40 / 160
511046MP	1/2" M x 20/2,25	4,851 €	IM	40 / 160
511047MP	1/2" M x 20/2,5	4,851 €	IM	40 / 160
510003MP	3/4" M x 20/2	6,18 €	IM	30 / 120
511048MP	3/4" M x 20/2,25	6,18 €	IM	30 / 120
511049MP	3/4" M x 20/2,5	6,18 €	IM	30 / 120
510130MP	3/4" M x 25/2,5	8,03 €	IM	30 / 120
510131MP	1" M x 25/2,5	10,06 €	IM	20 / 80
510004MP	3/4" M x 26/3	8,03 €	IM	30 / 120
510044MP	1" M x 26/3	10,06 €	IM	20 / 80
510021MP	1" M x 32/3	12,15 €	IM	20 / 80
510106MP	1"1/4 M x 32/3	26,28 €	IM	10 / 40
510032	1"1/4 M x 40/3,5	32,13 €	IB	1 / 40
510027	1"1/2 M x 50/4	44,35 €	IB	1 / 25
510052	2" M x 63/4,5	80,28 €	IB	1 / 16

MP 5721



- **Raccordo a T maschio.**
- *Male tee fitting.*
- **Raccord à T mâle.**
- *AG T-Stück.*
- **Racor Te rosca macho.**

Code	Size	Price	Class	Packaging
512029MP	16/2 x 1/2" M x 16/2	9,53 €	IM	20 / 80
512066MP	18/2 x 1/2" M x 18/2	10,59 €	IM	16 / 64
512030MP	20/2 x 1/2" M x 20/2	10,59 €	IM	16 / 64
511091MP	20/2,25 x 1/2" M x 20/2,25	10,59 €	IM	16 / 64
511092MP	20/2,5 x 1/2" M x 20/2,5	10,59 €	IM	16 / 64
512031MP	16/2 x 3/4" M x 16/2	11,57 €	IM	20 / 80
511101MP	18/2 x 3/4" M x 18/2	12,09 €	IM	16 / 64
512032MP	20/2 x 3/4" M x 20/2	12,09 €	IM	16 / 64
510161MP	25/2,5 x 3/4" M x 25/2,5	14,06 €	IM	10 / 40
512067MP	26/3 x 3/4" M x 26/3	14,06 €	IM	10 / 40

MP 5609



- **Raccordo diritto maschio a tenuta morbida.**
- *Straight male soft seal fitting.*
- **Raccord droit mâle à étanchéité souple.**
- *Durchgang AG Verbinder mit O-Ring.*
- **Racor recto macho con junta blanda.**

Code	Size	Price	Class	Packaging
510048MP	1/2" M O-ring x 16/2	5,22 €	IM	40 / 160
511050MP	1/2" M O-ring x 16/2,25	5,22 €	IM	40 / 160
510050MP	1/2" M O-ring x 20/2	5,71 €	IM	40 / 160
511051MP	1/2" M O-ring x 20/2,25	5,71 €	IM	40 / 160

MP 5711



- **Raccordo ad angolo maschio.**
- *Male angle fitting.*
- **Raccord à angle mâle.**
- *AG Winkel-Verbinder.*
- **Racor codo macho.**

Code	Size	Price	Class	Packaging
511123MP	3/8" M x 16/2	5,38 €	IM	40 / 160
511001MP	1/2" M x 16/2	5,23 €	IM	40 / 160
511062MP	1/2" M x 16/2,25	5,23 €	IM	40 / 160
511021MP	1/2" M x 18/2	6,24 €	IM	30 / 120
511002MP	1/2" M x 20/2	6,24 €	IM	30 / 120
511063MP	1/2" M x 20/2,25	6,24 €	IM	30 / 120
511064MP	1/2" M x 20/2,5	6,24 €	IM	30 / 120
511003MP	3/4" M x 20/2	7,84 €	IM	20 / 80
511065MP	3/4" M x 20/2,25	7,84 €	IM	20 / 80
511066MP	3/4" x 20/2,5	7,84 €	IM	20 / 80
510141MP	3/4" M x 25/2,5	9,33 €	IM	20 / 80
511004MP	3/4" M x 26/3	9,33 €	IM	20 / 80
510229MP	1" M x 25/2,5	14,46 €	IM	15 / 120
511113MP	1" M x 26/3	14,46 €	IM	10 / 40
511013MP	1" M x 32/3	15,81 €	IM	10 / 40
510033	1"1/4 M x 40/3,5	36,35 €	IB	1 / 30
510034	1"1/2 M x 50/4	57,57 €	IB	1 / 15
510057	2" M x 63/4,5	87,51 €	IB	1 / 10

MP 5711 L



- **Raccordo ad angolo maschio lungo.**
- *Male angle long fitting.*
- **Raccord à angle mâle long.**
- *AG Winkel-Verbinder lang.*
- **Racor codo macho largo.**

Code	Size	Price	Class	Packaging
511001LMP	1/2" M x 16/2	6,05 €	IM	40 / 160
511002LMP	1/2" M x 20/2	7,05 €	IM	30 / 120

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MP 5613



- **Raccordo diritto femmina.**
- *Straight female fitting.*
- **Raccord droit femelle.**
- *Durchgang IG Verbinder.*
- **Racor recto hembra.**

Code	Size	Price	Class	Packaging
510011MP	1/2" F x 16/2	4,684 €	IM	40 / 160
511040MP	1/2" F x 16/2,25	4,684 €	IM	40 / 160
510109MP	3/4" F x 16/2	6,19 €	IM	30 / 120
510045MP	1/2" F x 18/2	5,56 €	IM	40 / 160
510046MP	3/4" F x 18/2	6,59 €	IM	30 / 120
510012MP	1/2" F x 20/2	5,56 €	IM	40 / 160
511041MP	1/2" F x 20/2,25	5,56 €	IM	40 / 160
511042MP	1/2" F x 20/2,5	5,56 €	IM	40 / 160
510013MP	3/4" F x 20/2	6,59 €	IM	30 / 120
511044MP	3/4" F x 20/2,5	6,59 €	IM	30 / 120
510132MP	3/4" F x 25/2,5	7,56 €	IM	20 / 80
510133MP	1" F x 25/2,5	9,01 €	IM	15 / 60
510014MP	3/4" F x 26/3	7,56 €	IM	20 / 80
510047MP	1" F x 26/3	9,01 €	IM	15 / 60
510022MP	1" F x 32/3	11,27 €	IM	15 / 60
510183	1"1/4 F x 40/3,5	40,91 €	IB	1 / 30
510184	1"1/2 F x 50/4	56,60 €	IB	1 / 25
510185	2" F x 63/4,5	101,14 €	IB	1 / 10

MP 5712



- **Raccordo ad angolo femmina.**
- *Female angle fitting.*
- **Raccord à angle femelle.**
- *IG Winkel-Verbinder.*
- **Racor codo hembra.**

Code	Size	Price	Class	Packaging
511005MP	1/2" F x 16/2	4,911 €	IM	30 / 120
511056MP	1/2" F x 16/2,25	4,911 €	IM	30 / 120
511019MP	1/2" F x 18/2	5,99 €	IM	30 / 120
511006MP	1/2" F x 20/2	5,99 €	IM	30 / 120
511057MP	1/2" F x 20/2,25	5,99 €	IM	30 / 120
511058MP	1/2" F x 20/2,5	5,99 €	IM	30 / 120
511007MP	3/4" F x 20/2	7,71 €	IM	25 / 100
511059MP	3/4" F x 20/2,25	7,71 €	IM	25 / 100
511060MP	3/4" F x 20/2,5	7,71 €	IM	25 / 100
510142MP	3/4" F x 25/2,5	9,56 €	IM	20 / 80
511008MP	3/4" F x 26/3	9,56 €	IM	20 / 80
511114MP	1" F x 26/3	14,54 €	IM	10 / 40
511014MP	1" F x 32/3	14,63 €	IM	10 / 40
510186	1"1/4 F x 40/3,5	44,31 €	IB	1 / 30
510187	1"1/2 F x 50/4	68,47 €	IB	1 / 15
510188	2" F x 63/4,5	113,18 €	IB	1 / 10

MP 5717



- **Raccordo ad angolo con dado girevole a tenuta piana.**
- *Angle fitting with flat seal and rotating nut.*
- **Raccord à angle avec écrou tournant à joint plat étanche.**
- *Winkel-Verbindungsstück mit flach abgedichteter drehbarer Mutter.*
- **Racor codo con arandela y junta de estanqueidad plana.**

Code	Size	Price	Class	Packaging
512109MP	3/8" F x 16/2	8,52 €	IM	30 / 120
512033MP	1/2" F x 16/2	7,83 €	IM	30 / 120
512110MP	1/2" F x 20/2	10,45 €	IM	30 / 120
512034MP	3/4" F x 16/2	8,35 €	IM	30 / 120
512111MP	3/4" F x 20/2	8,97 €	IM	30 / 120
512112MP	3/4" F x 26/3	12,61 €	IM	20 / 80
512113MP	1" F x 26/3	13,22 €	IM	10 / 40

MP 5712 L



- **Raccordo ad angolo femmina lungo.**
- *Female angle long fitting.*
- **Raccord à angle femelle long.**
- *IG Winkel-Verbinder lang.*
- **Racor codo hembra largo.**

Code	Size	Price	Class	Packaging
511029MP	1/2" F x 16/2	5,50 €	IM	25 / 100
511061MP	1/2" F x 16/2,25	5,50 €	IM	25 / 100
511102MP	1/2" F x 18/2	6,57 €	IM	25 / 100
511103MP	1/2" F x 20/2	6,57 €	IM	25 / 100
511104MP	1/2" F x 20/2,25	6,57 €	IM	25 / 100
511105MP	1/2" F x 20/2,5	6,57 €	IM	25 / 100

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MP 5722



- **Raccordo a T femmina.**
- *Female tee fitting.*
- **Raccord à T femelle.**
- *IG T-Stück.*
- **Racor Te rosca hembra.**

Code	Size	Price	Class	Packaging
512022MP	16/2 x 1/2" F x 16/2	8,58 €	IM	20 / 80
511083MP	16/2,25 x 1/2" F x 16/2,25	8,58 €	IM	20 / 80
512028MP	16/2 x 3/4" F x 16/2	9,93 €	IM	16 / 64
512065MP	18/2 x 1/2" F x 18/2	10,22 €	IM	16 / 64
512045MP	18/2 x 3/4" F x 18/2	12,31 €	IM	16 / 64
512027MP	20/2 x 1/2" F x 20/2	10,22 €	IM	16 / 64
511084MP	20/2,25 x 1/2" F x 20/2,25	10,22 €	IM	16 / 64
511085MP	20/2,5 x 1/2" F x 20/2,5	10,22 €	IM	16 / 64
512023MP	20/2 x 3/4" F x 20/2	12,31 €	IM	16 / 64
511089MP	20/2,5 x 3/4" F x 20/2,5	12,31 €	IM	16 / 64
510162MP	25/2,5 x 1/2" F x 20/2	14,61 €	IM	12 / 48
510163MP	25/2,5 x 1/2" F x 25/2,5	14,25 €	IM	12 / 48
510164MP	25/2,5 x 3/4" F x 25/2,5	13,42 €	IM	10 / 40
512047MP	26/3 x 1/2" F x 20/2	14,61 €	IM	12 / 48
512046MP	26/3 x 1/2" F x 26/3	14,25 €	IM	12 / 48
512042MP	26/3 x 3/4" F x 26/3	13,42 €	IM	10 / 40
512104MP	26/3 x 1" F x 26/3	20,13 €	IM	10 / 40
512043MP	32/3 x 3/4" F x 32/3	22,05 €	IM	10 / 40
512044MP	32/3 x 1" F x 32/3	22,07 €	IM	10 / 40
512040	40/3,5 x 3/4" F x 40/3,5	55,95 €	IB	1 / 15
512087	40/3,5 x 1" F x 40/3,5	66,91 €	IB	1 / 20
512049	40/3,5 x 1"1/4 F x 40/3,5	62,75 €	IB	1 / 12
512041	50/4 x 3/4" F x 50/4	92,49 €	IB	1 / 12
512088	50/4 x 1" F x 50/4	91,19 €	IB	1 / 12
510115	50/4 x 1"1/4 F x 50/4	92,49 €	IB	1 / 12
511124	50/4 x 1"1/2 F x 50/4	79,62 €	IB	1 / 12
510060	63/4,5 x 1" F x 63/4,5	119,81 €	IB	1 / 8
510061	63/4,5 x 1"1/4 F x 63/4,5	119,81 €	IB	1 / 8
511125	63/4,5 x 2" F x 63/4,5	136,55 €	IB	1 / 8

MP 5703



- **Raccordo diritto con dado girevole a tenuta piana.**
- *Straight fitting with flat seal and rotating nut.*
- **Raccord droit avec écrou tournant à joint plat étanche.**
- *Gerades Verbindungsstück mit flach abgedichteter drehbarer Mutter.*
- **Racor recto con arandela y junta de estanqueidad plana.**

Code	Size	Price	Class	Packaging
510110MP	3/8" F x 16/2	5,57 €	IM	40 / 160
510085MP	1/2" F x 16/2	5,23 €	IM	40 / 160
510087MP	1/2" F x 20/2	6,14 €	IM	30 / 120
510076MP	3/4" F x 16/2	6,14 €	IM	30 / 120
510077MP	3/4" F x 18/2	6,64 €	IM	30 / 120
510078MP	3/4" F x 20/2	6,66 €	IM	30 / 120
510195MP	3/4" F x 20/2,5	6,66 €	IM	40 / 160
510171MP	3/4" F x 25/2,5	8,06 €	IM	30 / 120
510088MP	3/4" F x 26/3	8,06 €	IM	30 / 120
510172MP	1" F x 25/2,5	9,45 €	IM	25 / 100
510079MP	1" F x 26/3	9,45 €	IM	25 / 100
510089MP	1" F x 32/3	12,78 €	IM	20 / 80
510080MP	1"1/4 F x 32/3	13,98 €	IM	15 / 60
510081	1"1/2 F x 40/3,5	43,11 €	IB	1 / 40
510098	1"1/2 F x 50/4	64,99 €	IB	1 / 30
510082	1"3/4 F x 50/4	59,71 €	IB	1 / 30
510083	2" F x 63/4,5	99,06 €	IB	1 / 16

MP 5705



- **Raccordo diritto con dado girevole.**
- *Straight fitting with rotating nut.*
- **Raccord droit avec écrou pivotant.**
- *Durchgang-Verbinder mit drehbarer Mutter.*
- **Racor recto con arandela.**

Code	Size	Price	Class	Packaging
510017MP	EUROK x 16/2	6,15 €	IM	30 / 120
513020MP	EUROK x 18/2	7,12 €	IM	30 / 120
510018MP	EUROK x 20/2	7,12 €	IM	30 / 120

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FOCUS: U-fittings

Besides the obvious objective of distributing water to any connected component while maintaining design temperatures and pressures, certainly one of the fundamental objectives for any plumbing system is to guarantee the best hygienic conditions possible by preserving the quality of the water coming from the water main.

A plumbing system comprises several sections of pipes: from the main distribution ring, the ascending or descending vertical sections, the horizontal distribution sections to the floors, including the connections to the terminal units (i.e. basins, baths, showers, etc.). To make these connections there are several possible options. The best known are connections to a bypass or manifold (Figures 1 and 2). However, there is always an aspect that should not be underestimated in these cases: those pipe segments serving rarely used components suffer from a lack of water circulation, meaning the water in these becomes stagnant. Stagnant water, i.e. the same water sitting inside pipes over a long period of time, encourages the proliferation of bacteria, including legionella, and should therefore be avoided as much as possible.

IVAR's MP range of fittings includes the 5780 series fitting, which is essential for installations such as those shown in Figures 3 and 4, i.e. to implement "series" and "ring" type distribution systems. In both cases, the goal of these configurations is to facilitate water circulation in the pipes, thus avoiding stagnation and reducing health risks. In the case of series distribution, the component used most frequently should be in the furthest position from the column (from the point of view of distribution) so that every time this is used, the water is replaced completely through circulation in all the branches. In the case of ring distribution, the use of any user component achieves the same result, making this distribution system the most effective for reducing hygienic risk. Depending on specific standard public health regulations, which differ from region to region, there may be a requirement to build facilities for hospitals and community structures using a ring distribution system, including an automatic withdrawal point activated by timer, to ensure periodic water circulation in the pipes as well as the extension up to the terminal units with a thermal disinfection cycle (otherwise limited to the main distribution sections).

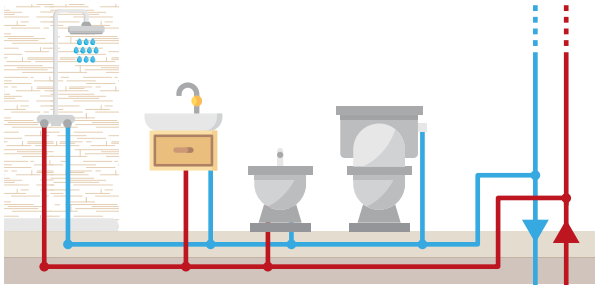


Figure 1. Bypass system

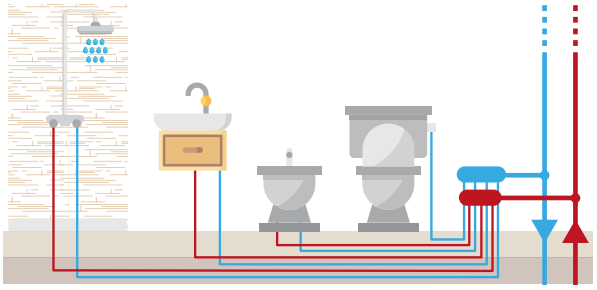


Figure 2. Manifold system

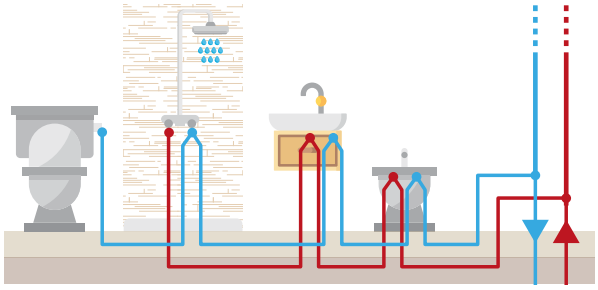


Figure 3. Series system

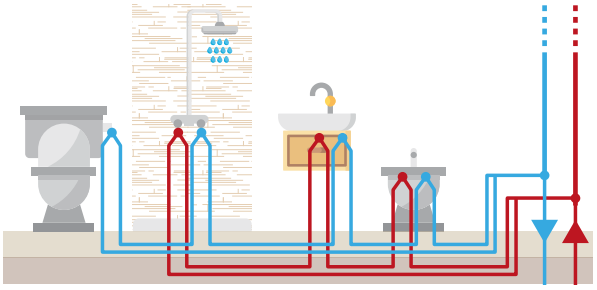


Figure 4. Ring system

MP 5780



- **Raccordo murale doppio.**
- *Double wall fitting.*
- **Raccord mural double.**
- *Doppel Wand-Verbinder.*
- **Racor codo doble con base.**

Code	Size	Price	Class	Packaging
510062MP	1/2" F x 16/2	24,42 €	IM	8 / 32
510064MP	1/2" F x 20/2	26,34 €	IM	8 / 32

MP 5781



- **Raccordo murale doppio 90°.**
- *Double wall fitting 90°.*
- **Raccord mural double 90°.**
- *Doppel Wand-Verbinder 90°.*
- **Racor codo doble a 90° con base.**

Code	Size	Price	Class	Packaging
511106MP	1/2" F x 16/2	16,40 €	IM	8 / 32
511108MP	1/2" F x 20/2	17,63 €	IM	8 / 32

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MP 5760



- **Raccordo murale.**
- *Wall fitting.*
- **Raccord mural.**
- *Wand-Verbinder.*
- **Racor codo con base.**

Code	Size	Height	Price	Class	Packaging
513001CMP	1/2" F x 16/2	40 mm	8,44 €	IM	15 / 60
513014CMP	1/2" F x 18/2	40 mm	8,84 €	IM	15 / 60
513002CMP	1/2" F x 20/2	40 mm	8,84 €	IM	15 / 60
513001MP	1/2" F x 16/2	52 mm	8,61 €	IM	15 / 60
513001MPHD	1/2" F x 16/2 (Heavy version)	52 mm	9,90 €	IM	15 / 60
511096MP	1/2" F x 16/2,25	52 mm	8,61 €	IM	15 / 60
513014MP	1/2" F x 18/2	52 mm	9,62 €	IM	15 / 60
513002MP	1/2" F x 20/2	52 mm	9,62 €	IM	15 / 60
511097MP	1/2" F x 20/2,25	52 mm	9,62 €	IM	15 / 60
511098MP	1/2" F x 20/2,5	52 mm	9,62 €	IM	15 / 60
513003MP	3/4" F x 20/2	57 mm	12,58 €	IM	10 / 40
511099MP	3/4" F x 20/2,25	57 mm	12,58 €	IM	10 / 40
511100MP	3/4" F x 20/2,5	57 mm	12,58 €	IM	10 / 40
510167MP	3/4" F x 25/2,5	57 mm	13,31 €	IM	10 / 40
513004MP	3/4" F x 26/3	57 mm	13,31 €	IM	10 / 40
513001LMP	1/2" F x 16/2	77 mm	12,63 €	IM	10 / 40
513002LMP	1/2" F x 20/2	77 mm	13,10 €	IM	10 / 40

AR 08 MP



- **Boccole di ricambio per MULTI PRESS.**
- *Spare bushes for MULTI PRESS.*
- **Douilles de rechange pour MULTI PRESS.**
- *Ersatzhülsen für MULTI PRESS.*
- **Casquillo para MULTI PRESS.**

Code	Size	Price	Class	Packaging
502120MP	16/2	1,57 €	IG	1 / 50
502121MP	18/2	1,713 €	IG	1 / 50
502122MP	20/2	1,713 €	IG	1 / 50
502123MP	25/2,5	2,383 €	IG	1 / 35
502124MP	26/3	2,383 €	IG	1 / 20
502125MP	32/3	2,599 €	IG	1 / 15
502126	40/3,5	5,39 €	IG	1 / 10
502127	50/4	7,67 €	IG	1 / 8
502128	63/4,5	10,93 €	IG	1 / 5

MP 5761



- **Raccordi murali (kit con AS 1929).**
- *Wall fittings (kit with AS 1929).*
- **Raccords murals (kit avec AS 1929).**
- *Wand-Verbinder (Kit mit AS 1929).*
- **Brida y racores codo (conjunto con AS 1929).**

Code	Size	Height	Price	Class	Packaging
513024CMP	1/2" F x 16/2	40 mm	23,54 €	IM	1 / 15
513026CMP	1/2" F x 18/2	40 mm	24,32 €	IM	1 / 15
513025CMP	1/2" F x 20/2	40 mm	24,32 €	IM	1 / 15
513024MP	1/2" F x 16/2	52 mm	23,89 €	IM	1 / 15
513026MP	1/2" F x 18/2	52 mm	25,87 €	IM	1 / 15
513025MP	1/2" F x 20/2	52 mm	25,87 €	IM	1 / 15
513024LMP	1/2" F x 16/2	77 mm	31,89 €	IM	1 / 15
513025LMP	1/2" F x 20/2	77 mm	32,80 €	IM	1 / 15

MP 5762



- **Raccordi murali (kit con AS 1927).**
- *Wall fittings (kit with AS 1927).*
- **Raccords murals (kit avec AS 1927).**
- *Wand-Verbinder (Kit mit AS 1927).*
- **Brida y racores codo (conjunto con AS 1927).**

Code	Size	Height	Price	Class	Packaging
513027CMP	1/2" F x 16/2	40 mm	27,00 €	IM	1 / 15
513028CMP	1/2" F x 18/2	40 mm	27,79 €	IM	1 / 15
513029CMP	1/2" F x 20/2	40 mm	27,79 €	IM	1 / 15
513027MP	1/2" F x 16/2	52 mm	27,33 €	IM	1 / 15
513028MP	1/2" F x 18/2	52 mm	29,35 €	IM	1 / 15
513029MP	1/2" F x 20/2	52 mm	29,35 €	IM	1 / 15
513027LMP	1/2" F x 16/2	77 mm	35,37 €	IM	1 / 15
513029LMP	1/2" F x 20/2	77 mm	36,30 €	IM	1 / 15

MP 5607



- **Raccordo diritto con attacco FASTEC.**
- *Straight fitting with FASTEC connection.*
- **Raccord droit avec embout FASTEC.**
- *Durchgang Verbinder mit FASTEC Anschluß.*
- **Racor recto con conexión FASTEC.**

Code	Size	Price	Class	Packaging
511115MP	FASTEC x 16/2	5,43 €	IM	40 / 160
511116MP	FASTEC x 16/2,25	5,43 €	IM	40 / 160
511117MP	FASTEC x 18/2	6,01 €	IM	40 / 160
511118MP	FASTEC x 20/2	6,01 €	IM	40 / 160
511119MP	FASTEC x 20/2,25	6,01 €	IM	40 / 160
511120MP	FASTEC x 20/2,5	6,01 €	IM	40 / 160
511121MP	FASTEC x 25/2,5	7,80 €	IM	30 / 120
511122MP	FASTEC x 26/3	7,80 €	IM	30 / 120

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MP 5723



- **Raccordo murale per tracce orizzontali.**
- *Wall fitting for horizontal chases.*
- **Raccord mural pour traces horizontales.**
- *Wand-Verbinder für waagerechte Rohrgänge.*
- **Racor con base para rozas horizontales.**

Code	Size	Price	Class	Packaging
513005MP	16/2 x 1/2" F x 16/2	16,03 €	IM	12 / 48
513007MP	20/2 x 1/2" F x 20/2	16,70 €	IM	12 / 48

MP 5763



- **Raccordi murali per tracce orizzontali (kit con AS 1928).**
- *Wall fittings for horizontal chases (kit with AS 1928).*
- **Raccords murals pour traces horizontals (kit avec AS 1928).**
- *Wand-Verbinder für waagerechte Rohrgänge (Kit mit AS 1928).*
- **Brida y racores con base para rozas horizontales (conjunto con AS 1928).**

Code	Size	Price	Class	Packaging
513030MP	1/2" F x 16/2	37,99 €	IM	1 / 15
513032MP	1/2" F x 20/2	39,32 €	IM	1 / 15

MP 5725



- **Terminale murale sinistro per tracce orizzontali.**
- *Left wall terminal for horizontal chases.*
- **Partie terminale murale gauche pour traces horizontales.**
- *Links Wandanschluss für waagerechte Rohrgänge.*
- **Racor terminal con base izquierdo para rozas horizontales.**

Code	Size	Price	Class	Packaging
513008MP	1/2" F x 16/2	14,32 €	IM	12 / 48
513010MP	1/2" F x 18/2	14,62 €	IM	12 / 48
513012MP	1/2" F x 20/2	14,62 €	IM	10 / 40

MP 5724



- **Terminale murale destro per tracce orizzontali.**
- *Right wall terminal for horizontal chases.*
- **Partie terminale murale droite pour traces horizontales.**
- *Rechts Wandanschluss für waagerechte Rohrgänge.*
- **Racor terminal con base derecho para rozas horizontales.**

Code	Size	Price	Class	Packaging
513009MP	1/2" F x 16/2	14,32 €	IM	12 / 48
513011MP	1/2" F x 18/2	14,62 €	IM	12 / 48
513013MP	1/2" F x 20/2	14,62 €	IM	12 / 48

MP 5764



- **Terminali murali per tracce orizzontali (kit con AS 1928).**
- *Wall terminals for horizontal chases (kit with AS 1928).*
- **Parties terminales murale pour traces horizontales (kit avec AS 1928).**
- *Wandanschlusse für waagerechte Rohrgänge (Kit mit AS 1928).*
- **Brida y racores terminales con base para rozas horizontales (conjunto con AS 1928).**

Code	Size	Price	Class	Packaging
513033MP	1/2" F x 16/2	34,54 €	IM	1 / 15
513034MP	1/2" F x 18/2	35,15 €	IM	1 / 15
513035MP	1/2" F x 20/2	35,15 €	IM	1 / 15

MP 5728



- **Raccordo doppio T incrociato per impianti a battiscopa.**
- *Double crossed T fitting for skirting board plants.*
- **Raccord à double T croisé pour installations à la plinthe.**
- *Doppel T-Stück für Sockenleiste.*
- **Racor en Te doble cruzado para sistemas en zócalos.**

Code	Size	Price	Class	Packaging
512080MP	16/2-16/2 x 16/2-16/2 x 16/2-16/2	51,66 €	IM	3 / 12
512082MP	20/2-20/2 x 16/2-16/2 x 20/2-20/2	53,51 €	IM	3 / 12
512083MP	20/2-20/2 x 16/2-16/2 x 16/2-16/2	52,59 €	IM	3 / 12
512084MP	16/2-16/2 x 20/2-20/2 x 16/2-16/2	52,59 €	IM	3 / 12
512085MP	20/2-20/2 x 20/2-20/2 x 20/2-20/2	54,44 €	IM	3 / 12
512086MP	20/2-20/2 x 20/2-20/2 x 16/2-16/2	53,51 €	IM	3 / 12
512096MP	16/2-16/2 x 16/2-16/2 x 20/2-20/2	52,59 €	IM	3 / 12
512097MP	16/2-16/2 x 20/2-20/2 x 20/2-20/2	53,51 €	IM	3 / 12

MP 5701



- **Tappo.**
- *Plug.*
- **Bouchon.**
- *Verschluss.*
- **Tapón.**

Code	Size	Price	Class	Packaging
510071MP	16/2	4,708 €	IM	40 / 160
510073MP	20/2	6,19 €	IM	40 / 160
510170MP	25/2,5	8,66 €	IM	35 / 140
510074MP	26/3	8,66 €	IM	35 / 140
510075MP	32/3	11,89 €	IM	20 / 80

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HIDDEN DISTRIBUTION FITTING

Multilayer pipes are installed in corrugated conduit in some systems, for example, when additional protection is required or in countries where installation regulations require the pipes to be removable. For connection to the terminal units in these cases, the MP 5610 series hidden distribution fittings are required. Made with a 1/2" F connection, these accommodate the corrugated protective conduit inside, keeping the pipe insulated up to the point of exit from the masonry wall. The CW617N brass fitting is fixed to the plastic box by a pair of screws, so that it can be easily disassembled for crimping and then reinserted in the box.



MP 5610 B



- **Scatola di distribuzione sottotraccia con raccordo a pressare a 90°.**
- *Under-floor distribution box with 90° press-fitting.*
- **Boîte de distribution encastrée avec raccord à presser à 90°.**
- *Unter-Putzdose mit 90° Winkel-Pressfitting.*
- **Caja de distribución empotrable con racor a prensar a 90°.**

Code	Size	Color	Price	Class	Packaging
500304MP	1/2" F x 16/2		10,98 €	IM	8 / 96
500306MP	1/2" F x 20/2		11,92 €	IM	8 / 96

MP 5610 R



- **Scatola di distribuzione sottotraccia con raccordo a pressare a 90°.**
- *Under-floor distribution box with 90° press-fitting.*
- **Boîte de distribution encastrée avec raccord à presser à 90°.**
- *Unter-Putzdose mit 90° Winkel-Pressfitting.*
- **Caja de distribución empotrable con racor a prensar a 90°.**

Code	Size	Color	Price	Class	Packaging
500304RMP	1/2" F x 16/2		10,98 €	IM	8 / 96
500306RMP	1/2" F x 20/2		11,92 €	IM	8 / 96

MP 5767



- **Scatola di distribuzione sottotraccia con raccordo a pressare a 90° (Kit).**
- *Under-floor distribution box with 90° press-fitting (Kit).*
- **Boîte de distribution encastrée avec raccord à presser à 90° (Kit).**
- *Unter-Putzdose mit 90° Winkel-Pressfitting (Kit).*
- **Caja de distribución empotrable con racor a prensar a 90° (Kit).**

Code	Size	Color	Price	Class	Packaging
513042MP	1/2" F x 16/2	-	24,36 €	IM	4 / 48
513044MP	1/2" F x 20/2	-	28,74 €	IM	4 / 48



• AS 1925 >> p. 113,133



• RR 702 >>p. 113,133

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MP 5702



- **Raccordo diritto con tubo in rame cromato.**
- *Straight fitting with copper chrome plated pipe.*
- **Raccord droit avec tube en cuivre chromé.**
- *Anschluss Durchgangsform mit verchromtem Kupferrohr.*
- **Racor recto con tubo de cobre cromado.**

Code	Size	Price	Class	Packaging
510065MP	Ø15 x 16/2	10,57 €	IM	25 / 100
510090MP	Ø15 x 20/2	11,27 €	IM	25 / 100
510066MP	Ø18 x 20/2	11,77 €	IM	25 / 100
510091MP	Ø22 x 20/2	15,13 €	IM	20 / 80
510168MP	Ø22 x 25/2,5	15,73 €	IM	20 / 80
510067MP	Ø22 x 26/3	15,73 €	IM	20 / 80
510068MP	Ø28 x 32/3	19,29 €	IM	10 / 40

MP 5715



- **Raccordo ad L con tubo di rame cromato.**
- *L fitting with chrome-plated copper pipe.*
- **Raccord en L avec tube en cuivre chromé.**
- *Winkel-Verbinder mit verchromtem Kupferrohr.*
- **Racor codo con tubo de cobre cromado.**

Code	Size	Height	Price	Class	Packaging
511015MP	Ø15 x 16/2	165 mm	15,98 €	IM	100
511016MP	Ø15 x 16/2	345 mm	22,81 €	IM	60
511017MP	Ø15 x 16/2	1095 mm	54,77 €	IM	50
511025MP	Ø15 x 20/2	165 mm	18,54 €	IM	80
511026MP	Ø15 x 20/2	345 mm	25,26 €	IM	50
511027MP	Ø15 x 20/2	1095 mm	60,00 €	IM	50

MP 5737



- **Valvola di intercettazione a sfera diritta con attacchi press-fit e manovra a leva.**
- *Straight isolation ball valve with press-fitting connections and lever operation.*
- **Vanne d´interception à bille droite avec embouts de raccord à presser et manoeuvre à levier.**
- *Durchgangs-Kugelabsperrventil mit Pressfitting-Anschlüssen und Hebelgriff.*
- **Válvula de interceptación de bola recta con conexiónes press-fit y palanca para maniobrar.**

Code	Size	Price	Class	Packaging
512120MP	16/2 x 16/2	46,87 €	IM	1
512121MP	20/2 x 20/2	45,12 €	IM	1
512122MP	26/3 x 26/3	52,64 €	IM	1
512123MP	32/3 x 32/3	73,24 €	IM	1

MP 5716



- **Raccordo a T con tubo in rame cromato.**
- *T fitting with chrome-plated copper pipe.*
- **Raccord à T avec tube en cuivre chromé.**
- *T-Stück mit verchromtem Kupferrohr.*
- **Racor en Te con tubo de cobre cromado.**

Code	Size	Price	Class	Packaging
512077MP	16/2 x Ø15 x 16/2	27,55 €	IM	25
512079MP	20/2 x Ø15 x 20/2	28,43 €	IM	25

MP 5738



- **Rubinetto di intercettazione da incasso con attacchi press-fit.**
- *Built–in isolation valve with press-fitting connections.*
- **Robinet d´interception encastré avec embouts de raccord à presser.**
- *Wand-Armatur mit Pressfitting-Anschlüssen.*
- **Grifo de cierre empotrable con conexiónes press-fit.**

Code	Size	Price	Class	Packaging
512124MP	16/2 x 16/2	51,70 €	IM	5 / 20
512125MP	20/2 x 20/2	50,29 €	IM	5 / 20
512126MP	26/3 x 26/3	57,34 €	IM	5 / 20
512127MP	32/3 x 32/3	79,43 €	IM	



- **Tappo filettato e rosone AR 25 >> p. 114**
- *Threaded cap and plate AR 25 >> p. 114*
- **Bouchon fileté et rosace AR 25 >> p. 114**
- *Gewindekappe und Abdeckmanschette AR 25 >> p. 114*
- **Tapa roscada y rosetón AR 25 >> p. 114**



- **Leva e rosone AR 26 >> p. 114**
- *Lever and plate AR 26 >> p. 114*
- **Levier et rosace AR 26 >> p. 114**
- *Hebelgriff und Abdeckmanschette AR 26 >> p. 114*
- **Palanca y rosetón AR 26 >> p. 114**



- **Manopola e rosone AR 27 >> p. 114**
- *Knob and plate AR 27 >> p. 114*
- **Poignée et rosace AR 27 >> p. 114**
- *Handknopf und Abdeckmanschette AR 27 >> p. 114*
- **Mando y rosetón AR 27 >> p. 114**



- **Prolunga (+25 mm) AR 28 >>p. 114**
- *Extension (+25 mm) AR 28 >>p. 114*
- **Rallonge (+25 mm) AR 28 >>p. 114**
- *Verlängerung (+25 mm) AR 28 >>p. 114*
- **Extención (+25 mm) AR 28 >>p. 114**

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MP 5729



- **Rubinetto da incasso con attacco press-fit DN 15, manopola e rosone cromati.**
- *Built–in valve with press-fitting connection DN 15, chromed knob and plate.*
- **Robinet d'encaissement avec embout de raccord à presser DN 15, poignée et rosace chromés.**
- *Wand-Armatur mit Pressfitting-Anschluss DN 15, verchromte Handknopf und Abdeckmanschette.*
- **Valvula de bola para empotrar con conexión press-fit DN 15, mando y rosetón cromados.**

Code	Size	Price	Class	Packaging
510189MMP	16/2 x 16/2	45,14 €	IM	3 / 12
510192MMP	16/2,25 x 16/2,25	45,14 €	IM	3 / 12
510191MMP	20/2 x 20/2	46,26 €	IM	3 / 12
510193MMP	20/2,25 x 20/2,25	46,26 €	IM	3 / 12
510194MMP	20/2,5 x 20/2,5	46,26 €	IM	3 / 12

MP 5730



- **Rubinetto da incasso con attacco press-fit DN 15, cappuccio e rosone cromati.**
- *Built-in valve with press-fitting connection DN 15, chromed cap and plate.*
- **Robinet d'encaissement avec embout de raccord à presser DN 15, capuchon et rosace chromés.**
- *Wand-Armatur mit Pressfitting-Anschluss DN 15, verchromte Shutzkappe und Abdeckmanschette.*
- **Valvula de bola para empotrar con conexión press-fit DN 15, capota y rosetón cromado.**

Code	Size	Price	Class	Packaging
510189CMP	16/2 x 16/2	37,32 €	IM	3 / 12
510192CMP	16/2,25 x 16/2,25	37,32 €	IM	3 / 12
510190CMP	18/2 x 18/2	38,47 €	IM	3 / 12
510191CMP	20/2 x 20/2	38,47 €	IM	3 / 12
510193CMP	20/2,25 x 20/2,25	38,47 €	IM	3 / 12
510194CMP	20/2,5 x 20/2,5	38,47 €	IM	3 / 12

FOCUS: MP 5736

The MP 5736 fittings are **transition fittings** to pass **from copper (or steel) to multilayer pipe (or vice versa)**.
They are made of Cuphin (CW724R), an alloy suitable for sanitary applications and accepted by various international protocols for materials in contact with drinking water.
Both terminal parts of the fitting are press-fit: one side is a terminal for pressing the multilayer pipe with the classic IVAR MULTIPRESS profile and therefore compatible with the H, TH, B, F and U profiles, on the other hand there is a terminal for pressing copper or steel pipes using profiles SA, M and V.
The compatible metal pipes are made of copper compliant with EN 1057 or steel compliant with EN 10312 (tables 1 and 2).



MP 5736



- **Raccordo diritto con attacco per tubo rame/acciaio.**
- *Straight fitting with connection for copper/steel pipe.*
- **Raccord droit avec embout pour tube en cuivre / acier.**
- *Durchgang Verbinder mit Anschluss für Kupfer-/Stahlrohr.*
- **Racor recto con conexión para tubo de cobre/acero.**

Code	Size	Price	Class	Packaging
512114MPC	Ø15 x 16/2	12,42 €	I7	40 / 160
512115MPC	Ø15 x 20/2	16,25 €	I7	30 / 120
512116MPC	Ø22 x 20/2	21,56 €	I7	30 / 120
512117MPC	Ø22 x 26/3	22,43 €	I7	20 / 80

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PRESS FITTINGS M•P•L

MULTI PRESS LEAK is the new IVAR press fitting designed to ensure that water leaks if the press fitting was not crimped. It is for use with any of the 7 different crimping profiles (BE, B, TH, R, H, F and U). The absence of a seal if not crimped is a function particularly requested by the market to avoid problems and damage in the event that an installer forgets to crimp the fitting. A later installer will then be able to immediately identify any leaks and take remedial action by correctly crimping the fitting during the system test.
Its body is made of CW617N. Also available upon request is the version with a lead-free copper-silicon alloy or Cuphin® CW724R body, (add the suffix "C" to the code), which conforms to the positive lists of metal materials suitable for applications in contact with drinking water (4 MS Common Composition List and the UBA List defined by the German Federal Environment Agency).
Available in a broad range of configurations and sizes from 16/2 to 32/3.

Technical specifications:
Maximum operating temperature: 120 °C
Maximum operating static pressure: 10 bar

⊕ PLUS

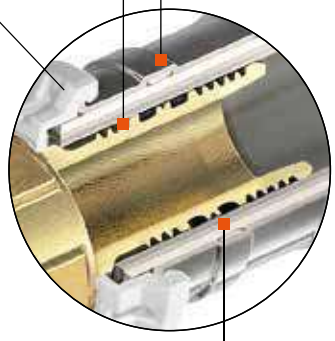


Guide for correct crimping

Optimized water flow (reduced pressure loss)

Sawtooth profile for maximum pull-out resistance

Shaped bushing with a Teflon ring with leak indication during the system test.



Solution-treated stainless steel to protect the crimper

Extended slots to check for proper pipe insertion

Fitting can be rotated even after crimping

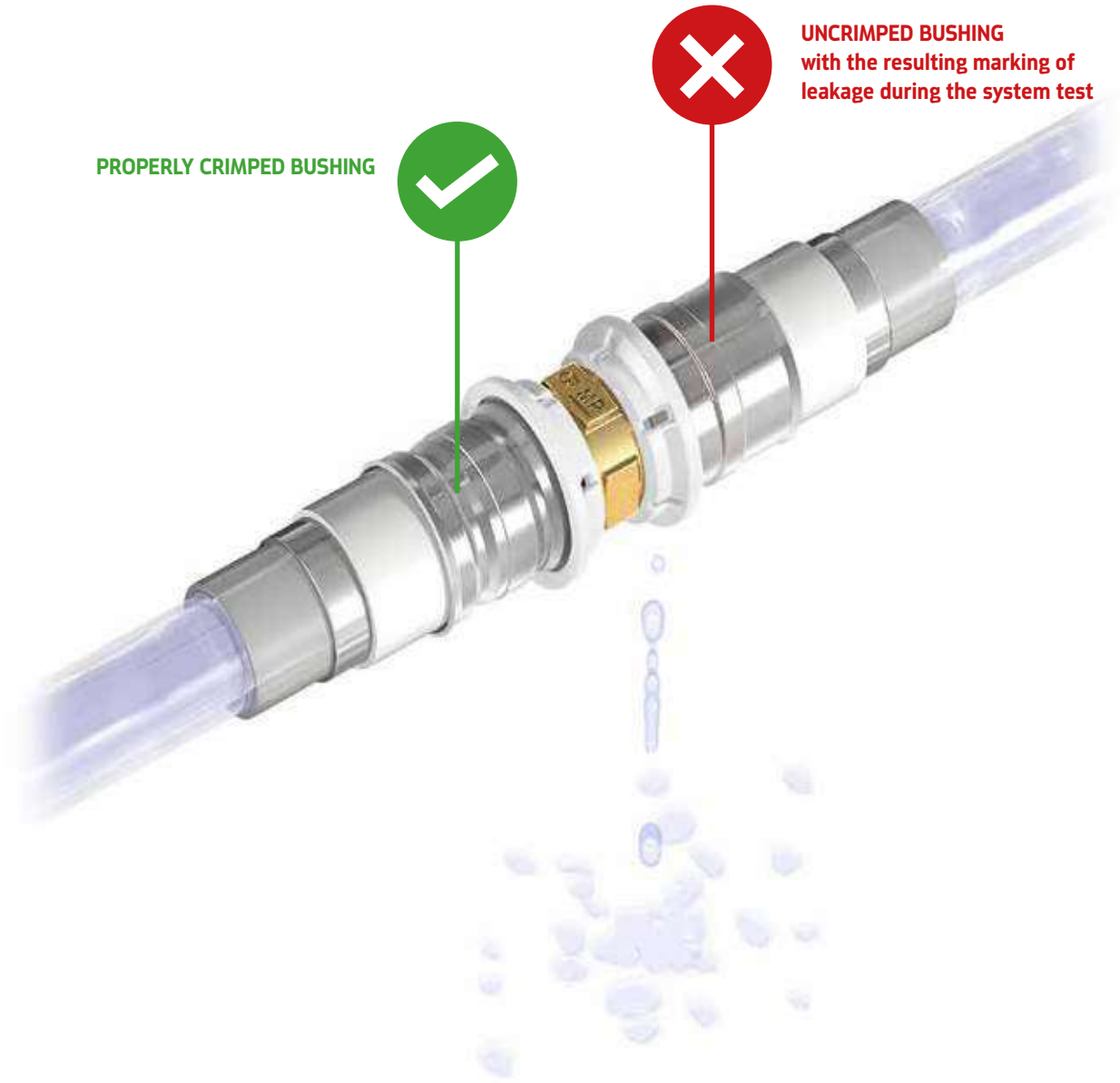
Double O-Ring for maximum seal after crimping

CW617N

CUPHIN On REQUEST

- **Compatible with all TH - H/R - U - B/BE - F crimping profiles**
- **Complete range of figures**

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Ø (mm)		16	20	26	32
Spessore *Thickness* Épaisseur *Dicke* Espesor (mm)		2 2,25	2 2,25 2,5	3	3
	BE**	■	■	■	■
	B***	■	■	■	■
	F***	■	■	■	■
	R**	■	■	■	■
	H***	■	■	■	■
	TH*	■	■	■	■
	U*	■	■	-	■

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MPL 5700 R



- **Raccordo diritto.**
- *Straight fitting.*
- **Raccord droit.**
- *Kupplung.*
- **Racor recto.**

Code	Size	Price	Class	Packaging
510008MPL	16/2 x 20/2	7,15 €	I3	40 / 160
510009MPL	16/2 x 26/3	9,51 €	I3	20 / 80
510024MPL	16/2 x 32/3	12,43 €	I3	15 / 60
510010MPL	20/2 x 26/3	9,93 €	I3	20 / 80
510023MPL	20/2 x 32/3	13,25 €	I3	15 / 60
510019MPL	26/3 x 32/3	14,28 €	I3	15 / 60

MPL 5700



- **Raccordo diritto.**
- *Straight fitting.*
- **Raccord droit.**
- *Kupplung.*
- **Racor recto.**

Code	Size	Price	Class	Packaging
510005MPL	16/2 x 16/2	5,97 €	I3	40 / 160
510006MPL	20/2 x 20/2	7,79 €	I3	30 / 120
510007MPL	26/3 x 26/3	11,38 €	I3	20 / 80
510020MPL	32/3 x 32/3	16,59 €	I3	15 / 60

MPL 5710



- **Raccordo ad angolo.**
- *Angle fitting.*
- **Raccord à angle.**
- *Winkel-Kupplung.*
- **Racor codo.**

Code	Size	Price	Class	Packaging
511009MPL	16/2 x 16/2	6,85 €	I3	30 / 120
511010MPL	20/2 x 20/2	8,52 €	I3	30 / 120
511011MPL	26/3 x 26/3	12,53 €	I3	15 / 60
511012MPL	32/3 x 32/3	18,42 €	I3	10 / 40

MPL 5704



- **Raccordo a 45°.**
- *45° fitting.*
- **Raccord à 45°.**
- *Verbindungsstück 45°.*
- **Racor a 45°.**

Code	Size	Price	Class	Packaging
510099MPL	26/3 x 26/3	16,51 €	I3	15 / 60
510100MPL	32/3 x 32/3	19,03 €	I3	10 / 40

MPL 5720



- **Raccordo a T.**
- *Tee fitting.*
- **Raccord à T.**
- *T-Stück.*
- **Racor en Te.**

Code	Size	Price	Class	Packaging
512001MPL	16/2 x 16/2 x 16/2	8,87 €	I3	20 / 80
512002MPL	20/2 x 20/2 x 20/2	12,34 €	I3	16 / 64
512003MPL	26/3 x 26/3 x 26/3	18,58 €	I3	10 / 40
512020MPL	32/3 x 32/3 x 32/3	29,17 €	I3	6 / 24

MPL 5720 RLL



- **Raccordo a T con attacchi laterali ridotti.**
- *Tee fitting with reduced side connections.*
- **Raccord à T avec connexions latérales réduites.**
- *T-Stück mit reduzierten seitlichen Anschlüssen.*
- **Racor en Te con conexiones laterales reducidas.**

Code	Size	Price	Class	Packaging
512013MPL	16/2 x 20/2 x 16/2	11,45 €	I3	16 / 64
512014MPL	20/2 x 26/3 x 20/2	17,03 €	I3	12 / 48
512051MPL	20/2 x 32/3 x 20/2	25,43 €	I3	8 / 32
512019MPL	26/3 x 32/3 x 26/3	26,51 €	I3	8 / 32

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MPL 5720 RC



- **Raccordo a T con attacco centrale ridotto.**
- *Tee fitting with reduced central connection.*
- **Raccord à T avec connexion centrale réduite.**
- *T-Stück mit reduziertem Zentralanschluss.*
- **Racor en Te con conexión central reducida.**

Code	Size	Price	Class	Packaging
512004MPL	20/2 x 16/2 x 20/2	11,91 €	I3	16 / 64
512005MPL	26/3 x 16/2 x 26/3	17,03 €	I3	12 / 48
512006MPL	26/3 x 20/2 x 26/3	17,50 €	I3	12 / 48
512015MPL	32/3 x 16/2 x 32/3	24,02 €	I3	8 / 32
512016MPL	32/3 x 20/2 x 32/3	26,62 €	I3	8 / 32
512018MPL	32/3 x 26/3 x 32/3	27,96 €	I3	8 / 32

MPL 5720 RCL



- **Raccordo a T con attacco centrale e laterale ridotti.**
- *Tee fitting with reduced central and side connection.*
- **Raccord à T avec connexion centrale et latérale réduites.**
- *T-Stück mit reduziertem Mittel- und Seitenanschluss.*
- **Racor en Te con conexión central y lateral reducida.**

Code	Size	Price	Class	Packaging
512009MPL	16/2 x 16/2 x 20/2	11,45 €	I3	16 / 64
512012MPL	20/2 x 20/2 x 26/3	17,03 €	I3	12 / 48
512021MPL	20/2 x 20/2 x 32/3	25,43 €	I3	8 / 32
512017MPL	26/3 x 26/3 x 32/3	26,51 €	I3	8 / 32

MPL 5720 RL



- **Raccordo a T con attacco laterale ridotto.**
- *Tee fitting with reduced side connection.*
- **Raccord à T avec connexion latérale réduite.**
- *T-Stück mit reduziertem seitlichen Anschluss.*
- **Racor en Te con conexión lateral reducida.**

Code	Size	Price	Class	Packaging
512007MPL	20/2 x 20/2 x 16/2	11,91 €	I3	16 / 64
512048MPL	26/3 x 26/3 x 16/2	17,03 €	I3	12 / 48
512008MPL	26/3 x 26/3 x 20/2	17,49 €	I3	12 / 48
512068MPL	32/3 x 32/3 x 16/2	24,02 €	I3	8 / 32
512052MPL	32/3 x 32/3 x 20/2	26,62 €	I3	8 / 32
512053MPL	32/3 x 32/3 x 26/3	27,96 €	I3	8 / 32

MPL 5720 RR



- **Raccordo a T con attacchi a doppia riduzione.**
- *Tee fitting with double reduction connections.*
- **Raccord à T avec des connexions à double réduction.**
- *T-Stück mit Doppel Reduktion Anschlüssen.*
- **Racor en Te con conexiones de doble reducción.**

Code	Size	Price	Class	Packaging
512010MPL	26/3 x 16/2 x 20/2	15,49 €	I3	12 / 48
512011MPL	26/3 x 20/2 x 16/2	15,49 €	I3	12 / 48
512050MPL	32/3 x 20/2 x 26/3	25,64 €	I3	8 / 32
512024MPL	32/3 x 26/3 x 20/2	25,64 €	I3	8 / 32

MPL 5729



- **Rubinetto da incasso con attacco press-fit DN 15, manopola e rosone cromati.**
- *Built–in valve with press-fitting connection DN 15, chromed knob and plate.*
- **Robinet d'encaissement avec embout de raccord à presser DN 15, poignée et rosace chromés.**
- *Wand-Armatur mit Pressfitting-Anschluss DN 15, verchromte Handknopf und Abdeckmanschette.*
- **Valvula de bola para empotrar con conexión press-fit DN 15, mando y rosetón cromados.**

Code	Size	Price	Class	Packaging
510189MMPL	16/2 - 16/2	40,25 €	I3	3 / 12
510191MMPL	20/2 - 20/2	41,61 €	I3	3 / 12

MPL 5730



- **Rubinetto da incasso con attacco press-fit DN 15, cappuccio e rosone cromati.**
- *Built-in valve with press-fitting connection DN 15, chromed cap and plate.*
- **Robinet d'encaissement avec embout de raccord à presser DN 15, capuchon et rosace chromés.**
- *Wand-Armatur mit Pressfitting-Anschluss DN 15, verchromte Shutzkappe und Abdeckmanschette.*
- **Valvula de bola para empotrar con conexión press-fit DN 15, capota y rosetón cromado.**

Code	Size	Price	Class	Packaging
510189CMPL	16/2 - 16/2	45,70 €	I3	3 / 12
510191CMPL	20/2 - 20/2	46,94 €	I3	3 / 12

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MPL 5608



- **Raccordo diritto maschio.**
- *Straight male fitting.*
- **Raccord droit mâle.**
- *Durchgang AG Verbinder.*
- **Racor recto macho.**

Code	Size	Price	Class	Packaging
510084MPL	3/8" M x 16/2	6,06 €	I3	50 / 200
510001MPL	1/2" M x 16/2	4,468 €	I3	40 / 160
510105MPL	3/4" M x 16/2	6,87 €	I3	30 / 120
510002MPL	1/2" M x 20/2	5,20 €	I3	40 / 160
510003MPL	3/4" M x 20/2	6,53 €	I3	30 / 120
510004MPL	3/4" M x 26/3	8,44 €	I3	30 / 120
510044MPL	1" M x 26/3	10,49 €	I3	20 / 80
510021MPL	1" M x 32/3	12,62 €	I3	20 / 80
510106MPL	1"1/4 M x 32/3	26,75 €	I3	10 / 40

MPL 5613



- **Raccordo diritto femmina.**
- *Straight female fitting.*
- **Raccord droit femelle.**
- *Durchgang IG Verbinder.*
- **Racor recto hembra.**

Code	Size	Price	Class	Packaging
510011MPL	1/2" F x 16/2	4,958 €	I3	40 / 160
510109MPL	3/4" F x 16/2	6,46 €	I3	30 / 120
510012MPL	1/2" F x 20/2	5,91 €	I3	40 / 160
510013MPL	3/4" F x 20/2	6,94 €	I3	30 / 120
510014MPL	3/4" F x 26/3	7,97 €	I3	20 / 80
510047MPL	1" F x 26/3	9,41 €	I3	15 / 60
510022MPL	1" F x 32/3	11,75 €	I3	15 / 60

MPL 5711



- **Raccordo ad angolo maschio.**
- *Male angle fitting.*
- **Raccord à angle mâle.**
- *AG Winkel-Verbinder.*
- **Racor codo macho.**

Code	Size	Price	Class	Packaging
511001MPL	1/2" M x 16/2	5,51 €	I3	40 / 160
511002MPL	1/2" M x 20/2	6,58 €	I3	30 / 120
511003MPL	3/4" M x 20/2	8,18 €	I3	20 / 80
511004MPL	3/4" M x 26/3	9,74 €	I3	20 / 80
511113MPL	1" M x 26/3	14,88 €	I3	10 / 40
511013MPL	1" M x 32/3	16,29 €	I3	10 / 40

MPL 5712



- **Raccordo ad angolo femmina.**
- *Female angle fitting.*
- **Raccord à angle femelle.**
- *IG Winkel-Verbinder.*
- **Racor codo hembra.**

Code	Size	Price	Class	Packaging
511005MPL	1/2" F x 16/2	5,19 €	I3	30 / 120
511006MPL	1/2" F x 20/2	6,34 €	I3	30 / 120
511007MPL	3/4" F x 20/2	8,06 €	I3	25 / 100
511008MPL	3/4" F x 26/3	9,97 €	I3	20 / 80
511114MPL	1" F x 26/3	14,95 €	I3	10 / 40
511014MPL	1" F x 32/3	15,12 €	I3	10 / 40

MPL 5721



- **Raccordo a T maschio.**
- *Male tee fitting.*
- **Raccord à T mâle.**
- *AG T-Stück.*
- **Racor Te rosca macho.**

Code	Size	Price	Class	Packaging
512029MPL	16/2 x 1/2" M x 16/2	10,06 €	I3	20 / 80
512031MPL	16/2 x 3/4" M x 16/2	12,12 €	I3	20 / 80
512030MPL	20/2 x 1/2" M x 20/2	11,27 €	I3	16 / 64
512032MPL	20/2 x 3/4" M x 20/2	12,77 €	I3	16 / 64
512067MPL	26/3 x 3/4" M x 26/3	14,89 €	I3	10 / 40

MPL 5712 L



- **Raccordo ad angolo femmina lungo.**
- *Female angle fitting long.*
- **Raccord à angle femelle long.**
- *IG Winkel-Verbinder lang.*
- **Racor codo hembra largo.**

Code	Size	Price	Class	Packaging
511029MPL	1/2" F x 16/2	5,77 €	I3	25 / 100
511103MPL	1/2" F x 20/2	6,92 €	I3	25 / 100

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MPL 5722



- **Raccordo a T femmina.**
- *Female tee fitting.*
- **Raccord à T femelle.**
- *IG T-Stück.*
- **Racor Te rosca hembra.**

Code	Size	Price	Class	Packaging
512022MPL	16/2 x 1/2" F x 16/2	9,13 €	I3	20 / 80
512028MPL	16/2 x 3/4" F x 16/2	10,49 €	I3	16 / 64
512027MPL	20/2 x 1/2" F x 20/2	10,90 €	I3	16 / 64
512023MPL	20/2 x 3/4" F x 20/2	12,97 €	I3	16 / 64
512047MPL	26/3 x 1/2" F x 20/2	15,37 €	I3	12 / 48
512046MPL	26/3 x 1/2" F x 26/3	15,09 €	I3	12 / 48
512042MPL	26/3 x 3/4" F x 26/3	14,24 €	I3	10 / 40
512104MPL	26/3 x 1" F x 26/3	20,94 €	I3	5 / 10
512043MPL	32/3 x 3/4" F x 32/3	23,01 €	I3	10 / 40
512044MPL	32/3 x 1" F x 32/3	23,02 €	I3	10 / 40

MPL 5703



- **Raccordo diritto con dado girevole a tenuta piana.**
- *Straight fitting with flat seal and rotating nut.*
- **Raccord droit avec écrou tournant à joint plat étanche.**
- *Gerades Verbindungsstück mit flach abgedichteter drehbarer Mutter.*
- **Racor recto con arandela y junta de estanqueidad plana.**

Code	Size	Price	Class	Packaging
510110MPL	3/8" F x 16/2	5,84 €	I3	40 / 160
510085MPL	1/2" F x 16/2	5,51 €	I3	40 / 160
510076MPL	3/4" F x 16/2	6,41 €	I3	30 / 120
510078MPL	3/4" F x 20/2	6,99 €	I3	30 / 120
510087MPL	1/2" F x 20/2	6,47 €	I3	30 / 120
510088MPL	3/4" F x 26/3	8,45 €	I3	30 / 120
510079MPL	1" F x 26/3	9,86 €	I3	25 / 100
510089MPL	1" F x 32/3	13,25 €	I3	20 / 80
510080MPL	1"1/4 F x 32/3	14,46 €	I3	15 / 60

MPL 5609



- **Raccordo diritto maschio a tenuta morbida.**
- *Straight male soft seal fitting.*
- **Raccord droit mâle à étanchéité souple.**
- *Durchgang AG Verbinder mit O-Ring.*
- **Racor recto macho con junta blanda.**

Code	Size	Price	Class	Packaging
510048MPL	1/2" M O-ring x 16/2	5,50 €	I3	40 / 160
510050MPL	1/2" M O-ring x 20/2	6,05 €	I3	40 / 160

MPL 5705



- **Raccordo diritto con dado girevole.**
- *Straight fitting with rotating nut.*
- **Raccord droit avec écrou pivotant.**
- *Durchgang-Verbinder mit drehbarer Mutter.*
- **Racor recto con arandela.**

Code	Size	Price	Class	Packaging
510017MPL	EUROK x 16/2	6,42 €	I3	30 / 120
510018MPL	EUROK x 20/2	7,46 €	I3	30 / 120

MPL 5607



- **Raccordo diritto con attacco FASTEC.**
- *Straight fitting with FASTEC connection.*
- **Raccord droit avec embout FASTEC.**
- *Durchgang Verbinder mit FASTEC Anschluß.*
- **Racor recto con conexión FASTEC.**

Code	Size	Price	Class	Packaging
511115MPL	FASTEC x 16/2	5,71 €	I3	40 / 160
511118MPL	FASTEC x 20/2	6,36 €	I3	40 / 160
511122MPL	FASTEC x 26/3	8,20 €	I3	30 / 120

MPL 5717



- **Raccordo ad angolo con dado girevole a tenuta piana.**
- *Angle fitting with flat seal and rotating nut.*
- **Raccord à angle avec écrou tournant à joint plat étanche.**
- *Winkel-Verbindungsstück mit flach abgedichteter drehbarer Mutter.*
- **Racor codo con arandela y junta de estanqueidad plana.**

Code	Size	Price	Class	Packaging
512033MPL	1/2" F x 16/2	8,11 €	I3	30 / 120
512034MPL	3/4" F x 16/2	8,62 €	I3	30 / 120

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MPL 5780



- **Raccordo murale doppio.**
- *Double wall fitting.*
- **Raccord mural double.**
- *Doppel Wand-Verbinder.*
- **Racor codo doble con base.**

Code	Size	Price	Class	Packaging
510062MPL	1/2" F x 16/2	24,96 €	I3	8 / 32
510064MPL	1/2" F x 20/2	27,01 €	I3	8 / 32



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MPL 5781



- **Raccordo murale doppio 90°.**
- *Double wall fitting 90°.*
- **Raccord mural double 90°.**
- *Doppel Wand-Verbinder 90°.*
- **Racor codo doble a 90° con base.**

Code	Size	Price	Class	Packaging
511106MPL	1/2" F x 16/2	16,95 €	I3	8 / 32
511108MPL	1/2" F x 20/2	18,31 €	I3	8 / 32



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MPL 5760



- **Raccordo murale.**
- *Wall fitting.*
- **Raccord mural.**
- *Wand-Verbinder.*
- **Racor codo con base.**

Code	Size	Height	Price	Class	Packaging
513001CMPL	1/2" F x 16/2	40 mm	8,72 €	I3	15 / 60
513002CMPL	1/2" F x 20/2	40 mm	9,18 €	I3	15 / 60
513001MPL	1/2" F x 16/2	52 mm	8,89 €	I3	15 / 60
513002MPL	1/2" F x 20/2	52 mm	9,97 €	I3	15 / 60
513004MPL	3/4" F x 26/3	57 mm	13,72 €	I3	10 / 40
513003MPL	3/4" F x 20/2	57 mm	12,93 €	I3	10 / 40
513001LMPL	1/2" F x 16/2	77 mm	12,92 €	I3	10 / 40
513002LMPL	1/2" F x 20/2	77 mm	13,44 €	I3	10 / 40

MPL 5728



- **Raccordo doppio T incrociato per impianti a battiscopa.**
- *Double crossed T fitting for skirting board plants.*
- **Raccord à double T croisé pour installations à la plinthe.**
- *Doppel T-Stück für Sockenleiste.*
- **Racor en Te doble cruzado para sistemas en zócalos.**

Code	Size	Price	Class	Packaging
512080MPL	16/2-16/2 x 16/2-16/2 x 16/2-16/2	53,04 €	I3	3 / 12
512096MPL	16/2-16/2 x 16/2-16/2 x 20/2-20/2	54,03 €	I3	3 / 12
512084MPL	16/2-16/2 x 20/2-20/2 x 16/2-16/2	54,03 €	I3	3 / 12
512097MPL	16/2-16/2 x 20/2-20/2 x 20/2-20/2	55,14 €	I3	3 / 12
512083MPL	20/2-20/2 x 16/2-16/2 x 16/2-16/2	54,03 €	I3	3 / 12
512082MPL	20/2-20/2 x 16/2-16/2 x 20/2-20/2	55,14 €	I3	3 / 12
512086MPL	20/2-20/2 x 20/2-20/2 x 16/2-16/2	55,14 €	I3	3 / 12
512085MPL	20/2-20/2 x 20/2-20/2 x 20/2-20/2	55,87 €	I3	3 / 12

MPL 5761



- **Raccordi murali (kit con AS 1929).**
- *Wall fittings (kit with AS 1929).*
- **Raccords murals (kit avec AS 1929).**
- *Wand-Verbinder (Kit mit AS 1929).*
- **Brida y racores codo (conjunto con AS 1929).**

Code	Size	Height	Price	Class	Packaging
513024CMPL	1/2" F x 16/2	40 mm	24,08 €	I3	1 / 15
513025CMPL	1/2" F x 20/2	40 mm	24,98 €	I3	1 / 15
513024MPL	1/2" F x 16/2	52 mm	24,42 €	I3	1 / 15
513025MPL	1/2" F x 20/2	52 mm	26,56 €	I3	1 / 15
513024LMPL	1/2" F x 16/2	77 mm	32,43 €	I3	1 / 15
513025LMPL	1/2" F x 20/2	77 mm	33,49 €	I3	1 / 15

MPL 5762



- **Raccordi murali (kit con AS 1927).**
- *Wall fittings (kit with AS 1927).*
- **Raccords murals (kit avec AS 1927).**
- *Wand-Verbinder (Kit mit AS 1927).*
- **Brida y racores codo (conjunto con AS 1927).**

Code	Size	Height	Price	Class	Packaging
513027CMPL	1/2" F x 16/2	40 mm	27,55 €	I3	1 / 15
513029CMPL	1/2" F x 20/2	40 mm	28,46 €	I3	1 / 15
513027MPL	1/2" F x 16/2	52 mm	27,89 €	I3	1 / 15
513029MPL	1/2" F x 20/2	52 mm	30,02 €	I3	1 / 15
513027LMPL	1/2" F x 16/2	77 mm	35,91 €	I3	1 / 12
513029LMPL	1/2" F x 20/2	77 mm	36,97 €	I3	1 / 15

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MPL 5725



- **Terminale murale sinistro per tracce orizzontali.**
- *Left wall terminal for horizontal chases.*
- **Partie terminale murale gauche pour traces horizontales.**
- *Links Wandanschluss für waagerechte Rohrgänge.*
- **Racor terminal con base izquierdo para rozas horizontales.**

Code	Size	Price	Class	Packaging
513008MPL	1/2" F x 16/2	14,59 €	I3	12 / 48
513012MPL	1/2" F x 20/2	14,96 €	I3	12 / 48

MPL 5724



- **Terminale murale destro per tracce orizzontali.**
- *Right wall terminal for horizontal chases.*
- **Partie terminale murale droite pour traces horizontales.**
- *Rechts Wandanschluss für waagerechte Rohrgänge.*
- **Racor terminal con base derecho para rozas horizontales.**

Code	Size	Price	Class	Packaging
513009MPL	1/2" F x 16/2	14,59 €	I3	12 / 48
513013MPL	1/2" F x 20/2	14,96 €	I3	12 / 48

MPL 5764



- **Terminali murali per tracce orizzontali (kit con AS 1928).**
- *Wall terminals for horizontal chases (kit with AS 1928).*
- **Parties terminales murale pour traces horizontales (kit avec AS 1928).**
- *Wandanschlusse für waagerechte Rohrgänge (Kit mit AS 1928).*
- **Brida y racores terminales con base para rozas horizontales (conjunto con AS 1928).**

Code	Size	Price	Class	Packaging
513035MPL	1/2" F x 20/2	35,84 €	I3	1 / 15

MPL 5763



- **Raccordi murali per tracce orizzontali (kit con AS 1928).**
- *Wall fittings for horizontal chases (kit with AS 1928).*
- **Raccords murals pour traces horizontals (kit avec AS 1928).**
- *Wand-Verbinder für waagerechte Rohrgänge (Kit mit AS 1928).*
- **Brida y racores con base para rozas horizontales (conjunto con AS 1928).**

Code	Size	Price	Class	Packaging
513030MPL	1/2" F x 16/2	39,09 €	I3	1 / 15
513032MPL	1/2" F x 20/2	40,68 €	I3	1 / 15

MPL 5702



- **Raccordo diritto con tubo in rame cromato.**
- *Straight fitting with copper chrome plated pipe.*
- **Raccord droit avec tube en cuivre chromé.**
- *Anschluss Durchgangsform mit verchromtem Kupferrohr.*
- **Racor recto con tubo de cobre cromado.**

Code	Size	Price	Class	Packaging
510065MPL	Ø15 x 16/2	10,84 €	I3	25 / 100
510090MPL	Ø15 x 20/2	11,61 €	I3	25 / 100
510066MPL	Ø18 x 20/2	12,12 €	I3	25 / 100
510091MPL	Ø22 x 20/2	15,48 €	I3	20 / 80
510067MPL	Ø22 x 26/3	16,14 €	I3	20 / 80
510068MPL	Ø28 x 32/3	19,75 €	I3	10 / 40

MPL 5715



- **Raccordo ad L con tubo di rame cromato.**
- *L fitting with chrome-plated copper pipe.*
- **Raccord en L avec tube en cuivre chromé.**
- *Winkel-Verbinder mit verchromtem Kupferrohr.*
- **Racor codo con tubo de cobre cromado.**

Code	Size	Height	Price	Class	Packaging
511015MPL	Ø15 x 16/2	165 mm	16,25 €	I3	100
511016MPL	Ø15 x 16/2	345 mm	23,10 €	I3	60
511017MPL	Ø15 x 16/2	1095 mm	56,61 €	I3	50
511025MPL	Ø15 x 20/2	165 mm	18,88 €	I3	80
511026MPL	Ø15 x 20/2	345 mm	25,65 €	I3	50
511027MPL	Ø15 x 20/2	1095 mm	60,46 €	I3	50

MPL 5716



- **Raccordo a T con tubo in rame cromato.**
- *T fitting with chrome-plated copper pipe.*
- **Raccord à T avec tube en cuivre chromé.**
- *T-Stück mit verchromtem Kupferrohr.*
- **Racor en Te con tubo de cobre cromado.**

Code	Size	Price	Class	Packaging
512079MPL	20/2 x Ø15 x 20/2	28,77 €	I3	25

MPL 5701



- **Tappo.**
- *Plug.*
- **Bouchon.**
- *Verschluss.*
- **Tapón.**

Code	Size	Price	Class	Packaging
510071MPL	16/2	4,971 €	I3	40 / 160
510073MPL	20/2	6,54 €	I3	40 / 160
510074MPL	26/3	9,05 €	I3	35 / 140
510075MPL	32/3	12,36 €	I3	20 / 80

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MPL 5610 B



- **Scatola di distribuzione sottotraccia con raccordo a pressare a 90°.**
- *Under-floor distribution box with 90° press-fitting.*
- **Boîte de distribution encastrée avec raccord à presser à 90°.**
- *Unter-Putzdose mit 90° Winkel-Pressfitting.*
- **Caja de distribución empotrable con racor a prensar a 90°.**

Code	Size	Color	Price	Class	Packaging
500304MPL	1/2" F x 16/2		11,25 €	I3	8 / 96
500306MPL	1/2" F x 20/2		12,26 €	I3	8 / 96



- **FOCUS: raccordo con scatola di distribuzione sottotraccia >> p. 101**
- *FOCUS: fitting with under-floor distribution box >> p. 101*
- **FOCUS: raccord avec boîte de distribution encastrée >> p. 101**
- *FOCUS: Pressfitting mit Unter-Putzdose >> p. 101*
- **FOCUS: racor con caja de distribución empotrable >> p. 101**

MPL 5610 R



- **Scatola di distribuzione sottotraccia con raccordo a pressare a 90°.**
- *Under-floor distribution box with 90° press-fitting.*
- **Boîte de distribution encastrée avec raccord à presser à 90°.**
- *Unter-Putzdose mit 90° Winkel-Pressfitting.*
- **Caja de distribución empotrable con racor a prensar a 90°.**

Code	Size	Color	Price	Class	Packaging
500304RMPL	1/2" F x 16/2		11,25 €	I3	8 / 96
500306RMPL	1/2" F x 20/2		12,26 €	I3	8 / 96



- **AS 1925 >> p. 113,133**



- **RR 702 >>p. 113,133**

AR 08 MPL



- **Boccole di ricambio per MULTI PRESS LEAK.**
- *Spare bushes for MULTI PRESS LEAK.*
- **Douilles de rechange pour MULTI PRESS LEAK.**
- *Ersatzhülsen für MULTI PRESS LEAK.*
- **Casquillo para MULTI PRESS LEAK.**

Code	Size	Price	Class	Packaging
502120MPL	16/2	1,904 €	IG	1 / 50
502122MPL	20/2	2,049 €	IG	1 / 50
502124MPL	26/3	2,731 €	IG	1 / 35
502125MPL	32/3	2,935 €	IG	1 / 15

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ACCESSORIES FOR M•P - M•P•L

RR 702



- **Tubo di raccordo in rame cromato a tenuta morbida per scatole di distribuzione sottotraccia.**
- *Chrome-plated copper connection pipe with soft seal for concealed distribution boxes.*
- **Tube de raccord en cuivre chromé à étanchéité souple pour boîtes de distribution encastrées.**
- *Verbindungsrohr aus verchromtem Kupfer mit O-Ring für Anschlussbox für Unterputzanwendung.*
- **Tubo de conexión con cobre plateado con asiento blando para la caja de distribución bajo el yeso.**

Code	Size	Color	Price	Class	Packaging
520003	Ø15 x 1/2" M - 108 mm		9,21 €	JC	35 / 280
520001	Ø15 x 1/2" M - 175 mm		11,13 €	JC	30 / 240

AS 1925



- **Dima frazionabile per scatole di distribuzione sottotraccia MP/MPL 5610 - MP 5767 - SS 1711.**
- *Divisible template for under-floor distribution boxes MP/MPL 5610 - MP 5767 - SS 1711.*
- **Platine de fixation divisible pour les boîtes de distribution encastrées MP/MPL 5610 - MP 5767 - SS 1711.**
- *Trennbare Halterung für Unterputz-Dose MP/MPL 5610 - MP 5767 - SS 1711.*
- **Plantilla fraccionable para caja de distribución empotrables MP/MPL 5610 - MP 5767 - SS 1711.**

Code	Size	Price	Class	Packaging
501011	MP 5610 - SS 1711	2,882 €	JC	60

AS 1927



- **Staffa per raccordo murale.**
- *Bracket for wall fitting.*
- **Etrier pour raccord mural.**
- *Halterung für Wand-Verbinder.*
- **Brida para racores con base.**

Code	Size	Price	Class	Packaging
510000	Distance 100 / 153 mm	6,73 €	JC	2 / 50

AS 1929



- **Staffa per raccordo murale.**
- *Bracket for wall fitting.*
- **Etrier pour raccord mural.**
- *Halterung für Wand-Verbinder.*
- **Brida para racores con base.**

Code	Size	Price	Class	Packaging
500574	Distance 153 mm	3,501 €	JC	1 / 100

AS 1928



- **Staffa per raccordi murali per tracce orizzontali.**
- *Wall fitting hanger for horizontal chases.*
- **Etrier pour raccords muraux pour traces horizontales.**
- *Halterung für Wand-Verbinder für waagerechte Rohrgänge.*
- **Brida para racores con base para rozas horizontales.**

Code	Size	Price	Class	Packaging
510037	Distance 100 / 153 mm	2,851 €	IG	2 / 30

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AR 25



- **Kit composto da tappo filettato e rosone cromati per rubinetto da incasso con attacchi press-fit serie MP 5738.**
- *Kit consisting of chromed-plated threaded cap and plate for built-in valve with press-fitting connections series MP 5738.*
- **Kit composé d'un bouchon fileté et d'une rosace chromés pour robinet encastré avec embouts de raccord à presser série MP 5738.**
- *Bausatz bestehend aus verchromter Gewindekappe und Abdeckmanschette für Wand-Armatur mit Pressfitting-Anschlüssen Serie MP 5738.*
- **Kit compuesto por tapa roscada y rosetón cromados para grifo de cierre empotrable con conexiónes press-fit serie MP 5738.**

Code	Model	Price	Class	Packaging
502107	MP 5738	7,52 €	IM	10 / 40

AR 26



- **Kit composto da leva e rosone cromati per rubinetto da incasso con attacchi press-fit serie MP 5738.**
- *Kit consisting of chromed-plated lever and plate for built-in valve with press-fitting connections series MP 5738.*
- **Kit composé d'un levier et d'une rosace chromés pour robinet encastré avec embouts de raccord à presser série MP 5738.**
- *Bausatz bestehend aus verchromter Hebelgriff und Abdeckmanschette für Wand-Armatur mit Pressfitting-Anschlüssen Serie MP 5738.*
- **Kit compuesto por palanca y rosetón cromados para grifo de cierre empotrable con conexiónes press-fit serie MP 5738.**

Code	Model	Price	Class	Packaging
502108	MP 5738	20,21 €	IM	10 / 40

AR 27



- **Kit composto da manopola e rosone cromati per rubinetto da incasso con attacchi press-fit serie MP 5738.**
- *Kit consisting of chromed-plated knob and plate for built-in valve with press-fitting connections series MP 5738.*
- **Kit composé d'une poignée et d'une rosace chromées pour robinet encastré avec embouts de raccord à presser série MP 5738.**
- *Bausatz bestehend aus verchromter Handknopf und Abdeckmanschette für Wand-Armatur mit Pressfitting-Anschlüssen Serie MP 5738.*
- **Kit compuesto por mando y rosetón cromados para grifo de cierre empotrable con conexiónes press-fit serie MP 5738.**

Code	Model	Price	Class	Packaging
502109	MP 5738	16,45 €	IM	

AR 28



- **Prolunga per rubinetto da incasso serie MP 5738.**
- *Extension for built in valve MP 5738 series.*
- **Rallonge pour robinet à encastrement série MP 5738.**
- *Verlängerung für Wand-Armatur Serie MP 5738.*
- **Extención para grifo empotrable serie MP 5738.**

Code	Size	Model	Price	Class	Packaging
502110	+25 mm	MP 5738	14,10 €	IM	20 / 80

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AR 21



- **Vitone per rubinetto da incasso serie MP/MPL 5729-5730.**
- *Headwork for built in valve series MP/MPL 5729-5730.*
- **Insert pour robinet à encastrement série MP/MPL 5729-5730.**
- *Regulierorrichtung für Einbauhahn Serie MP/MPL 5729-5730.*
- **Montura para valvula de bola para empotrar serie MP/MPL 5729-5730.**

Code	Size	Price	Class	Packaging
550196	DN 15	13,29 €	IG	20 / 160

AR 22



- **Prolunga per rubinetto da incasso.**
- *Extension for built in valve.*
- **Rallonge pour robinet à encastrement.**
- *Verlängerung für Einbauhahn.*
- **Extención para grifo empotrable.**

Code	Size	Price	Class	Packaging
550199	DN 15	4,36 €	IG	50 / 400

AR 23



- **Kit manopola e rosone cromati per rubinetto da incasso serie MP/MPL 5729-5730 con attacco press-fit DN 15.**
- *Kit chromed knob and plate for built–in valve series MP/MPL 5729-5730 with press-fitting connection DN 15.*
- **Kit poignée et rosace chromés pour robinet d'encaissement série MP/MPL 5729-5730 avec embout de raccord à presser DN 15.**
- *Kit verchromte Handknopf und Abdeckmanschette für Wand-Armatur Serie MP/MPL 5729-5730 mit Pressfitting-Anschluss DN 15.*
- **Kit mando y rosetón cromados para valvula de bola para empotrar serie MP/MPL 5729-5730 con conexión press-fit DN 15.**

Code	Model	Price	Class	Packaging
550198	MP/MPL 5729-5730	24,97 €	IG	10 / 80

AR 24



- **Kit cappuccio e rosone cromati per rubinetto da incasso serie MP/MPL 5729-5730 con attacco press-fit DN 15.**
- *Kit chromed cap and plate for built-in valve series MP/MPL 5729-5730 with press-fitting connection DN 15.*
- **Kit capuchon et rosace chromés pour robinet d'encaissement série MP/MPL 5729-5730 avec embout de raccord à presser DN 15.**
- *Kit verchromte Shutzkappe und Abdeckmanschette für Wand-Armatur Serie MP/MPL 5729-5730 mit Pressfitting-Anschluss DN 15.*
- **Kit capucho y rosetón cromados para valvula de bola para empotrar serie MP/MPL 5729-5730 con conexión press-fit DN 15.**

Code	Model	Price	Class	Packaging
550197	MP/MPL 5729-5730	14,83 €	IG	10 / 80

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PRESS FITTINGS P•M•P

PLASTIC•MULTI•PRESS is the plastic press fitting designed and tested by IVAR for use with any of the 7 different crimping profiles (BE, B, TH, R, H, F and U). The body is made of PPSU, a plastic with high thermal resistance and mechanical strength that guarantees top performance and avoids problems related to corrosion that can occur with metal fittings. The material used complies with the public health regulations of several international bodies and therefore can be used for drinking water distribution. The geometry of the fitting, which was designed to provide optimal coupling between pipe and fitting after pressing and the windows on the bushing flange used to verify that the pipe and two peroxide EPDM O-rings on each end have been inserted properly are all details that help to ensure the applicability and reliability of the product.
They are available in a wide range of configurations (non-threaded figures) and sizes from 16/2 to 32/3.

Technical specifications:
Maximum operating temperature: 120 °C
Maximum operating static pressure: 10 bar

PLUS



Ø (mm)		16	20	25	26	32
Spessore *Thickness* Épaisseur *Dicke* Espesor (mm)		2	2	2,5	3	3
	BE**	■	■	-	■	■
	B***	■	■	-	■	■
	F***	■	■	-	■	■
	R**	■	■	■	■	■
	H***	■	■	■	■	■
	TH*	■	■	■	■	■
	U*	■	■	■	-	■

*** Rothenberger/Rems** **** Rothenberger** ***** Rems**

- **Compatible with all TH - H/R - U - B/BE - F crimping profiles**
- **Maximum corrosion resistance**
- **Ø from 16 to 32 mm**

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PMP 5700 R



- **Raccordo diritto ridotto.**
- *Straight reduced fitting.*
- **Raccord droit reduit.**
- *Reduzierter Durchgangs-Verbinder.*
- **Racor recto reducido.**

Code	Size	Price	Class	Packaging
510008PMP	16/2 x 20/2	5,93 €	II	40 / 320
510135PMP	16/2 x 25/2,5	7,77 €	II	16 / 128
510009PMP	16/2 x 26/3	7,77 €	II	16 / 128
510137PMP	20/2 x 25/2,5	8,26 €	II	16 / 128
510010PMP	20/2 x 26/3	8,26 €	II	16 / 128
510023PMP	20/2 x 32/3	10,18 €	II	12 / 96
510138PMP	25/2,5 x 32/3	11,15 €	II	12 / 96
510019PMP	26/3 x 32/3	11,15 €	II	12 / 96

PMP 5700



- **Raccordo diritto.**
- *Straight fitting.*
- **Raccord droit.**
- *Kupplung.*
- **Racor recto.**

Code	Size	Price	Class	Packaging
510005PMP	16/2 x 16/2	5,35 €	II	40 / 320
510006PMP	20/2 x 20/2	7,97 €	II	24 / 192
510134PMP	25/2,5 x 25/2,5	9,07 €	II	16 / 128
510007PMP	26/3 x 26/3	9,07 €	II	16 / 128
510020PMP	32/3 x 32/3	13,15 €	II	12 / 96

PMP 5710



- **Raccordo ad angolo.**
- *Angle fitting.*
- **Raccord à angle.**
- *Winkel-Kupplung.*
- **Racor codo.**

Code	Size	Price	Class	Packaging
511009PMP	16/2 x 16/2	6,05 €	II	30 / 240
511010PMP	20/2 x 20/2	6,95 €	II	24 / 192
510140PMP	25/2,5 x 25/2,5	14,92 €	II	12 / 96
511011PMP	26/3 x 26/3	14,23 €	II	12 / 96
511012PMP	32/3 x 32/3	17,00 €	II	10 / 80

PMP 5720



- **Raccordo a T.**
- *Tee fitting.*
- **Raccord à T.**
- *T-Stück.*
- **Racor en Te.**

Code	Size	Price	Class	Packaging
512001PMP	16/2 x 16/2 x 16/2	10,45 €	II	20 / 160
512002PMP	20/2 x 20/2 x 20/2	10,46 €	II	14 / 112
510143PMP	25/2,5 x 25/2,5 x 25/2,5	16,61 €	II	8 / 64
512003PMP	26/3 x 26/3 x 26/3	15,49 €	II	8 / 64
512020PMP	32/3 x 32/3 x 32/3	22,80 €	II	6 / 48

PMP 5720 RLL



- **Raccordo a T con attacchi laterali ridotti.**
- *Tee fitting with reduced side connections.*
- **Raccord à T avec connexions latérales réduites.**
- *T-Stück mit reduzierten seitlichen Anschlüssen.*
- **Racor en Te con conexiones laterales reducidas.**

Code	Size	Price	Class	Packaging
512013PMP	16/2 x 20/2 x 16/2	9,80 €	II	14 / 112
510147PMP	20/2 x 25/2,5 x 20/2	13,80 €	II	8 / 64
512014PMP	20/2 x 26/3 x 20/2	13,80 €	II	8 / 64
512051PMP	20/2 x 32/3 x 20/2	18,10 €	II	6 / 48
510179PMP	25/2,5 x 32/3 x 25/2,5	19,59 €	II	6 / 48
512019PMP	26/3 x 32/3 x 26/3	19,59 €	II	6 / 48

PMP 5720 RCL



- **Raccordo a T con attacco centrale e laterale ridotti.**
- *Tee fitting with reduced central and side connection.*
- **Raccord à T avec connexion centrale et latérale réduites.**
- *T-Stück mit reduziertem Mittel- und Seitenanschluss.*
- **Racor en Te con conexión central y lateral reducida.**

Code	Size	Price	Class	Packaging
512009PMP	16/2 x 16/2 x 20/2	9,80 €	II	14 / 112
510154PMP	20/2 x 20/2 x 25/2,5	13,34 €	II	8 / 64
512012PMP	20/2 x 20/2 x 26/3	13,34 €	II	8 / 64
512021PMP	20/2 x 20/2 x 32/3	17,39 €	II	6 / 48
510155PMP	25/2,5 x 25/2,5 x 32/3	19,24 €	II	6 / 48
512017PMP	26/3 x 26/3 x 32/3	19,24 €	II	6 / 48

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PMP 5720 RC



- **Raccordo a T con attacco centrale ridotto.**
- *Tee fitting with reduced central connection.*
- **Raccord à T avec connexion centrale réduite.**
- *T-Stück mit reduziertem Zentralanschluss.*
- **Racor en Te con conexión central reducida.**

Code	Size	Price	Class	Packaging
512004PMP	20/2 x 16/2 x 20/2	10,13 €	II	14 / 112
510144PMP	25/2,5 x 16/2 x 25/2,5	14,97 €	II	8 / 64
510146PMP	25/2,5 x 20/2 x 25/2,5	15,26 €	II	8 / 64
512005PMP	26/3 x 16/2 x 26/3	14,23 €	II	8 / 64
512006PMP	26/3 x 20/2 x 26/3	14,51 €	II	8 / 64
512015PMP	32/3 x 16/2 x 32/3	20,76 €	II	6 / 48
512016PMP	32/3 x 20/2 x 32/3	21,19 €	II	6 / 48
510174PMP	32/3 x 25/2,5 x 32/3	20,96 €	II	6 / 48
512018PMP	32/3 x 26/3 x 32/3	21,15 €	II	6 / 48

PMP 5720 RL



- **Raccordo a T con attacco laterale ridotto.**
- *Tee fitting with reduced side connection.*
- **Raccord à T avec connexion latérale réduite.**
- *T-Stück mit reduziertem seitlichen Anschluss.*
- **Racor en Te con conexión lateral reducida.**

Code	Size	Price	Class	Packaging
512007PMP	20/2 x 20/2 x 16/2	10,13 €	II	14 / 112
510148PMP	25/2,5 x 25/2,5 x 16/2	13,97 €	II	8 / 64
510150PMP	25/2,5 x 25/2,5 x 20/2	14,21 €	II	8 / 64
512048PMP	26/3 x 26/3 x 16/2	13,97 €	II	8 / 64
512008PMP	26/3 x 26/3 x 20/2	14,21 €	II	8 / 64
512052PMP	32/3 x 32/3 x 20/2	20,06 €	II	6 / 48
510151PMP	32/3 x 32/3 x 25/2,5	20,88 €	II	6 / 48
512053PMP	32/3 x 32/3 x 26/3	20,88 €	II	6 / 48

PMP 5720 RR



- **Raccordo a T con attacchi a doppia riduzione.**
- *Tee fitting with double reduction connections.*
- **Raccord à T avec des connexions à double réduction.**
- *T-Stück mit Doppel Reduktion Anschlüssen.*
- **Racor en Te con conexiones de doble reducción.**

Code	Size	Price	Class	Packaging
510157PMP	25/2,5 x 16/2 x 20/2	13,06 €	II	8 / 64
510158PMP	25/2,5 x 20/2 x 16/2	13,06 €	II	8 / 64
512010PMP	26/3 x 16/2 x 20/2	13,06 €	II	8 / 64
512011PMP	26/3 x 20/2 x 16/2	13,06 €	II	8 / 64
510159PMP	32/3 x 20/2 x 25/2,5	19,28 €	II	6 / 48
512050PMP	32/3 x 20/2 x 26/3	19,28 €	II	6 / 48
512024PMP	32/3 x 26/3 x 20/2	18,41 €	II	6 / 48

AR 08 PMP



- **Boccole di ricambio per PLASTIC MULTI PRESS.**
- *Spare bushes for PLASTIC MULTI PRESS.*
- **Douilles de rechange pour PLASTIC MULTI PRESS.**
- *Ersatzhülsen für PLASTIC MULTI PRESS.*
- **Casquillo para PLASTIC MULTI PRESS.**

Code	Size	Price	Class	Packaging
502120PMP	16/2	1,042 €	IG	1 / 50
502122PMP	20/2	1,414 €	IG	1 / 50
502123PMP	25/2,5	2,049 €	IG	1 / 50
502124PMP	26/3	2,049 €	IG	1 / 50
502125PMP	32/3	2,372 €	IG	1 / 50

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PRESS FITTINGS P•M•P•L

PLASTIC MULTI PRESS LEAK is the new plastic press fitting designed and tested by IVAR to ensure that water leaks if the press fitting was not crimped. It is for use with any of the 7 different crimping profiles (BE, B, TH, R, H, F and U). The absence of a seal if not crimped is a function particularly requested by the market to avoid problems and damage in case someone forgot to crimp the fitting. An installer will be able to immediately identify any leaks and take remedial action by correctly crimping the fitting during the system test.

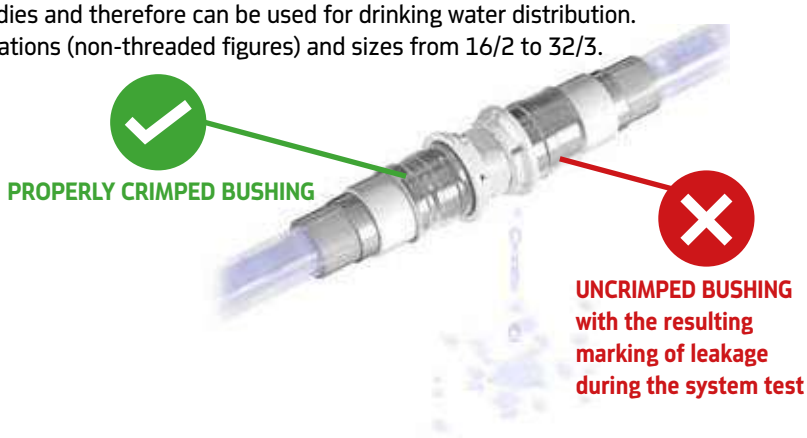
The body is made of PPSU, a plastic with high thermal and mechanical resistance that guarantees top performance and avoids problems related to corrosion that can occur with metal fittings. The material used complies with the public health regulations of several international bodies and therefore can be used for drinking water distribution.

They are available in a wide range of configurations (non-threaded figures) and sizes from 16/2 to 32/3.

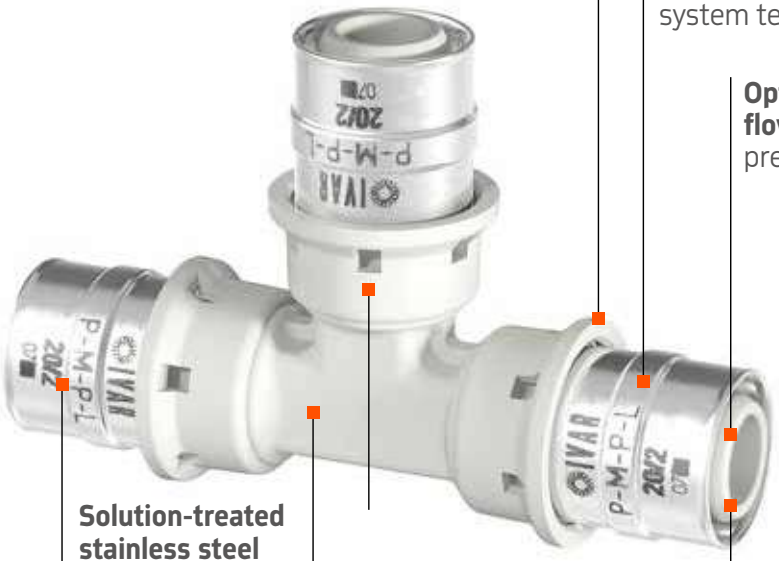
Technical specifications:

Maximum operating temperature: 120 °C

Maximum operating static pressure: 10 bar



PLUS



Guide for correct crimping

Shaped bushing with a Teflon ring with leak indication during the system test.

PPSU

Optimized water flow (reduced pressure loss)

Ø (mm)		16	20	26	32
Spessore (mm)		2	2	3	3
	BE**	■	■	■	■
	B***	■	■	■	■
	F***	■	■	■	■
	R**	■	■	■	■
	H***	■	■	■	■
	TH*	■	■	■	■
	U*	■	■	-	■

*Rothenberger/Rems **Rothenberger ***Rems

Solution-treated stainless steel to protect the crimper

Extended slots to check for proper pipe insertion

Fitting can be rotated even after crimping

Double O-Ring for maximum seal after crimping

- **Compatible with all TH - H/R - U - B/BE - F crimping profiles**
- **Maximum corrosion resistance**
- **Ø from 16 to 32 mm**

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PMPL 5700 R



- **Raccordo diritto ridotto.**
- *Straight reduced fitting.*
- **Raccord droit reduit.**
- *Reduzierter Durchgangs-Verbinder.*
- **Racor recto reducido.**

Code	Size	Price	Class	Packaging
510008PMPL	16/2 x 20/2	6,51 €	II	40 / 320
510009PMPL	16/2 x 26/3	8,35 €	II	16 / 128
510010PMPL	20/2 x 26/3	8,86 €	II	16 / 128
510023PMPL	20/2 x 32/3	10,48 €	II	12 / 96
510019PMPL	26/3 x 32/3	11,45 €	II	12 / 96

PMPL 5700



- **Raccordo diritto.**
- *Straight fitting.*
- **Raccord droit.**
- *Kupplung.*
- **Racor recto.**

Code	Size	Price	Class	Packaging
510005PMPL	16/2 x 16/2	5,91 €	II	40 / 320
510006PMPL	20/2 x 20/2	8,57 €	II	24 / 192
510007PMPL	26/3 x 26/3	9,67 €	II	16 / 128
510020PMPL	32/3 x 32/3	13,15 €	II	12 / 96

PMPL 5710



- **Raccordo ad angolo.**
- *Angle fitting.*
- **Raccord à angle.**
- *Winkel-Kupplung.*
- **Racor codo.**

Code	Size	Price	Class	Packaging
511009PMPL	16/2 x 16/2	6,61 €	II	30 / 240
511010PMPL	20/2 x 20/2	7,55 €	II	24 / 192
511011PMPL	26/3 x 26/3	14,83 €	II	12 / 96
511012PMPL	32/3 x 32/3	17,00 €	II	10 / 80

PMPL 5720



- **Raccordo a T.**
- *Tee fitting.*
- **Raccord à T.**
- *T-Stück.*
- **Racor en Te.**

Code	Size	Price	Class	Packaging
512001PMPL	16/2 x 16/2 x 16/2	11,29 €	II	20 / 160
512002PMPL	20/2 x 20/2 x 20/2	11,36 €	II	14 / 112
512003PMPL	26/3 x 26/3 x 26/3	16,39 €	II	8 / 64
512020PMPL	32/3 x 32/3 x 32/3	22,80 €	II	6 / 48

PMPL 5720 RLL



- **Raccordo a T con attacchi laterali ridotti.**
- *Tee fitting with reduced side connections.*
- **Raccord à T avec connexions latérales réduites.**
- *T-Stück mit reduzierten seitlichen Anschlüssen.*
- **Racor en Te con conexiones laterales reducidas.**

Code	Size	Price	Class	Packaging
512013PMPL	16/2 x 20/2 x 16/2	10,66 €	II	14 / 112
512014PMPL	20/2 x 26/3 x 20/2	14,70 €	II	8 / 64
512051PMPL	20/2 x 32/3 x 20/2	18,70 €	II	6 / 48
512019PMPL	26/3 x 32/3 x 26/3	20,19 €	II	6 / 48

PMPL 5720 RCL



- **Raccordo a T con attacco centrale e laterale ridotti.**
- *Tee fitting with reduced central and side connection.*
- **Raccord à T avec connexion centrale et latérale réduites.**
- *T-Stück mit reduziertem Mittel- und Seitenanschluss.*
- **Racor en Te con conexión central y lateral reducida.**

Code	Size	Price	Class	Packaging
512009PMPL	16/2 x 16/2 x 20/2	10,66 €	II	14 / 112
512012PMPL	20/2 x 20/2 x 26/3	14,24 €	II	8 / 64
512021PMPL	20/2 x 20/2 x 32/3	17,99 €	II	6 / 48
512017PMPL	26/3 x 26/3 x 32/3	19,84 €	II	6 / 48

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PMPL 5720 RC



- **Raccordo a T con attacco centrale ridotto.**
- *Tee fitting with reduced central connection.*
- **Raccord à T avec connexion centrale réduite.**
- *T-Stück mit reduziertem Zentralanschluss.*
- **Racor en Te con conexión central reducida.**

Code	Size	Price	Class	Packaging
512004PMPL	20/2 x 16/2 x 20/2	11,01 €	II	14 / 112
512005PMPL	26/3 x 16/2 x 26/3	15,11 €	II	8 / 64
512006PMPL	26/3 x 20/2 x 26/3	15,41 €	II	8 / 64
512015PMPL	32/3 x 16/2 x 32/3	21,04 €	II	6 / 48
512016PMPL	32/3 x 20/2 x 32/3	21,49 €	II	6 / 48
512018PMPL	32/3 x 26/3 x 32/3	21,45 €	II	6 / 48

PMPL 5720 RL



- **Raccordo a T con attacco laterale ridotto.**
- *Tee fitting with reduced side connection.*
- **Raccord à T avec connexion latérale réduite.**
- *T-Stück mit reduziertem seitlichen Anschluss.*
- **Racor en Te con conexión lateral reducida.**

Code	Size	Price	Class	Packaging
512007PMPL	20/2 x 20/2 x 16/2	11,01 €	II	14 / 112
512048PMPL	26/3 x 26/3 x 16/2	14,85 €	II	8 / 64
512008PMPL	26/3 x 26/3 x 20/2	15,11 €	II	8 / 64
512052PMPL	32/3 x 32/3 x 20/2	20,36 €	II	6 / 48
512053PMPL	32/3 x 32/3 x 26/3	21,18 €	II	6 / 48

PMPL 5720 RR



- **Raccordo a T con attacchi a doppia riduzione.**
- *Tee fitting with double reduction connections.*
- **Raccord à T avec des connexions à double réduction.**
- *T-Stück mit Doppel Reduktion Anschlüssen.*
- **Racor en Te con conexiones de doble reducción.**

Code	Size	Price	Class	Packaging
512010PMPL	26/3 x 16/2 x 20/2	13,94 €	II	8 / 64
512011PMPL	26/3 x 20/2 x 16/2	13,94 €	II	8 / 64
512050PMPL	32/3 x 20/2 x 26/3	19,88 €	II	6 / 48
512024PMPL	32/3 x 26/3 x 20/2	19,01 €	II	6 / 48

AR 08 PMPL



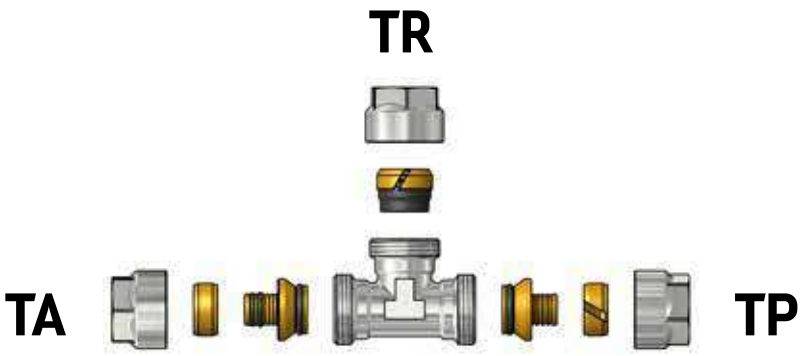
- **Boccole di ricambio per PLASTIC MULTI PRESS LEAK.**
- *Spare bushes for PLASTIC MULTI PRESS LEAK.*
- **Douilles de rechange pour PLASTIC MULTI PRESS LEAK.**
- *Ersatzhülsen für PLASTIC MULTI PRESS LEAK.*
- **Casquillo para PLASTIC MULTI PRESS LEAK.**

Code	Size	Price	Class	Packaging
502120PMPL	16/2	2,049 €	IG	1 / 50
502122PMPL	20/2	2,18 €	IG	1 / 50
502124PMPL	26/3	2,862 €	IG	1 / 35
502125PMPL	32/3	3,067 €	IG	1 / 30

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BASIC FITTINGS

This section also presents standard fitting elements such as elbows, tees with traditional threads and, in some cases, connections suitable for the application of screw fittings for copper, multilayer or polyethylene pipes. The figures with Eurokonus or EK connections can mount all the screw fittings of the 4000 series (TR, TP or TA) depending on the pipe used.



RR 4700



- **Raccordo diritto maschio - maschio.**
- *Straight male - male fitting.*
- **Raccord droit mâle - mâle.**
- *Durchgang AG - AG Schraubverbinder.*
- **Racor recto macho - macho.**

Code	Size	Color	Price	Class	Packaging
500377	EUROK x EUROK		3,119 €	KA	50 / 400
500378	EUROK x EUROK		3,141 €	KA	40 / 320

RR 4608



- **Raccordo diritto maschio - maschio.**
- *Straight male - male fitting.*
- **Raccord droit mâle - mâle.**
- *Durchgang AG - AG Schraubverbinder.*
- **Racor recto macho - macho.**

Code	Size	Color	Price	Class	Packaging
500059	1/2" M x EUROK		3,447 €	KA	50 / 200
500176	3/4" M x EUROK		3,435 €	KA	50 / 200
500077	1/2" M x EUROK		3,469 €	KA	50 / 200
500177	3/4" M x EUROK		3,593 €	KA	50 / 200

RR 4710



- **Raccordo ad angolo maschio - maschio.**
- *Male - male angle fitting.*
- **Raccord à angle mâle - mâle.**
- *AG - AG Winkel-Schraubverbinder.*
- **Racor codo macho - macho.**

Code	Size	Color	Price	Class	Packaging
500097	EUROK x EUROK		4,983 €	KA	40 / 160
500098	EUROK x EUROK		5,27 €	KA	40 / 160

RR 4711



- **Raccordo ad angolo maschio - maschio.**
- *Male - male angle fitting.*
- **Raccord à angle mâle - mâle.**
- *AG - AG Winkel-Schraubverbinder.*
- **Racor codo macho - macho.**

Code	Size	Color	Price	Class	Packaging
500099	1/2" M x EUROK		4,746 €	KA	40 / 320
500193	3/4" M x EUROK		6,46 €	KA	30 / 240
500118	1/2" M x EUROK		5,06 €	KA	40 / 320
500194	3/4" M x EUROK		6,63 €	KA	30 / 240

RR 4720



- **Raccordo a T maschio - maschio - maschio.**
- *Male - male - male tee fitting.*
- **Raccord à T mâle - mâle - mâle.**
- *AG - AG - AG T-Stück.*
- **Racor en Te macho - macho - macho.**

Code	Size	Color	Price	Class	Packaging
500135	EUROK x EUROK x EUROK		5,84 €	KA	25 / 200
500136	EUROK x EUROK x EUROK		6,06 €	KA	25 / 200

RR 4721



- **Raccordo a T maschio - maschio - maschio.**
- *Male - male - male tee fitting.*
- **Raccord à T mâle - mâle - mâle.**
- *AG - AG - AG T-Stück.*
- **Racor en Te macho - macho - macho.**

Code	Size	Color	Price	Class	Packaging
500137	EUROK x 1/2" M x EUROK		5,45 €	KA	30 / 240
500199	EUROK x 3/4" M x EUROK		6,12 €	KA	30 / 240
500138	EUROK x 1/2" M x EUROK		5,66 €	KA	30 / 240
500181	EUROK x 3/4" M x EUROK		6,31 €	KA	30 / 240

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RR 4613



- **Raccordo diritto maschio - femmina.**
- *Straight male-female fitting.*
- **Raccord droit mâle-femelle.**
- *Durchgang AG x IG Schraubverbinder.*
- **Racor recto macho - hembra.**

Code	Size	Color	Price	Class	Packaging
500080	1/2" F x EUROK		2,893 €	KA	50 / 200
500174	3/4" F x EUROK		3,752 €	KA	40 / 160
500081	1/2" F x EUROK		2,972 €	KA	50 / 200
500175	3/4" F x EUROK		3,887 €	KA	40 / 160

RR 703



- **Nipplo maschio – maschio.**
- *Male nipple – male.*
- **Nipple mâle – mâle.**
- *Anschlussstück AG - AG.*
- **Entrerrosca macho – macho.**

Code	Size	Color	Price	Class	Packaging
501131	1/2" M x 1/2" M		2,599 €	KA	100 / 400
501132	3/4" M x 3/4" M		3,356 €	KA	50 / 200
501419	1"1/2 M x 1"1/2 M		13,94 €	KA	20 / 80
501131N	1/2" M x 1/2" M		2,712 €	KA	100 / 800
501132N	3/4" M x 3/4" M		3,469 €	KA	50 / 400
501419N	1"1/2 M x 1"1/2 M		14,31 €	KA	20 / 80

RR 4712



- **Raccordo ad angolo maschio - femmina.**
- *Male - female angle fitting.*
- **Raccord à angle mâle - femelle.**
- *AG - IG Winkel-Schraubverbinder.*
- **Racor codo macho - hembra.**

Code	Size	Color	Price	Class	Packaging
500119	1/2" F x EUROK		4,125 €	KA	40 / 320
500195	3/4" F x EUROK		6,26 €	KA	25 / 200
500120	1/2" F x EUROK		4,26 €	KA	40 / 320
500196	3/4" F x EUROK		6,46 €	KA	25 / 200

AC 4604



- **Raccordo diritto maschio - maschio.**
- *Straight male-male fitting.*
- **Raccord droit mâle - mâle.**
- *Durchgang AG x AG Schraubverbinder.*
- **Racor recto macho - macho.**

Code	Size	Color	Price	Class	Packaging
500667	3/4" M O-ring x EUROK		3,356 €	KA	50 / 400
500667N	3/4" M O-ring x EUROK		3,492 €	KA	50 / 400

RR 4722



- **Raccordo a T maschio - femmina - maschio.**
- *Male - female - male tee fitting.*
- **Raccord à T mâle - femelle - mâle.**
- *AG - IG - AG T-Stück.*
- **Racor en Te macho - hembra - macho.**

Code	Size	Color	Price	Class	Packaging
500139	EUROK x 1/2" F x EUROK		5,27 €	KA	30 / 240
500197	EUROK x 3/4" F x EUROK		6,72 €	KA	25 / 200
500140	EUROK x 1/2" F x EUROK		5,41 €	KA	30 / 240
500198	EUROK x 3/4" F x EUROK		6,87 €	KA	25 / 200

RF 811



- **Raccordo ad L femmina - maschio.**
- *Female - male L fitting.*
- **Raccord en L femelle - mâle.**
- *IG - AG Winkel - Schraubverbinder.*
- **Racor codo hembra - macho.**

Code	Size	Color	Price	Class	Packaging
501078	1/2" F x 1/2" M		4,249 €	KA	40 / 320
501079	3/4" F x 3/4" M		6,50 €	KA	20 / 160
501082	1" F x 1" M		10,42 €	KA	10 / 80
506619	1"1/4 F x 1"1/4 M		17,32 €	KA	6 / 48
506620	1"1/2 F x 1"1/2 M		24,87 €	KA	6 / 48
506621	2" F x 2" M		47,56 €	KA	1
501023	1/2" F x 1/2" M		4,215 €	KA	40 / 160
501024	3/4" F x 3/4" M		6,73 €	KA	20 / 160
501058	1" F x 1" M		10,76 €	KA	10 / 80
506619N	1"1/4 F x 1"1/4 M		17,61 €	KA	6 / 48
506620N	1"1/2 F x 1"1/2 M		25,23 €	KA	6 / 48
506621N	2" F x 2" M		48,26 €	KA	1

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RF 800



- **Manicotto femmina - femmina.**
- *Female-female sleeve.*
- **Embout femelle - femelle.**
- *IG x IG Muffe.*
- **Manguito hembra - hembra.**

Code	Size	Color	Price	Class	Packaging
506610	3/8" F x 3/8" F		2,938 €	KA	100 / 400
501094	1/2" F x 1/2" F		2,938 €	KA	50 / 400
501095	3/4" F x 3/4" F		3,571 €	KA	35 / 280
501096	1" F x 1" F		6,95 €	KA	25 / 200
506611	1"1/4 F x 1"1/4 F		8,58 €	KA	20 / 80
506612	1"1/2 F x 1"1/2 F		14,42 €	KA	15 / 120
506613	2" F x 2" F		23,61 €	KA	1
506610N	3/8" F x 3/8" F		3,051 €	KA	100 / 400
500915	1/2" F x 1/2" F		3,051 €	KA	50 / 400
500916	3/4" F x 3/4" F		3,616 €	KA	35 / 280
500917	1" F x 1" F		7,19 €	KA	25 / 200
506611N	1"1/4 F x 1"1/4 F		9,45 €	KA	20 / 80
506612N	1"1/2 F x 1"1/2 F		14,78 €	KA	15 / 120
506613N	2" F x 2" F		24,18 €	KA	1

AC 624



- **Riduzione femmina - femmina.**
- *Female - female reducing fitting.*
- **Réduction femelle - femelle.**
- *Reduzierstück Innengewinde - Innengewinde*
- **Reducción hembra - hembra.**

Code	Size	Color	Price	Class	Packaging
501619	3/4" F x 3/8" F		3,187 €	NJ	100 / 400
501618	3/4" F x 1/2" F		3,187 €	NJ	100 / 400
501620	1" F x 1/2" F		4,01 €	NJ	50 / 400
501621	1" F x 3/4" F		4,01 €	NJ	50 / 400
501619N	3/4" F x 3/8" F		3,221 €	NJ	100 / 400
501618N	3/4" F x 1/2" F		3,221 €	NJ	100 / 400
501620N	1" F x 1/2" F		4,141 €	NJ	50 / 400
501621N	1" F x 3/4" F		4,141 €	NJ	50 / 200

RF 810



- **Raccordo ad angolo femmina - femmina.**
- *Female - female angle fitting.*
- **Raccord à angle femelle - femelle.**
- *IG - IG Winkel-Schraubverbinder.*
- **Racor codo hembra - hembra.**

Code	Size	Color	Price	Class	Packaging
506614	3/8" F x 3/8" F		4,238 €	KA	1
501063	1/2" F x 1/2" F		4,554 €	KA	40 / 320
501064	3/4" F x 3/4" F		5,89 €	KA	20 / 160
501065	1" F x 1" F		11,10 €	KA	10 / 80
506615	1"1/4 F x 1"1/4 F		17,98 €	KA	10 / 80
506616	1"1/2 F x 1"1/2 F		25,70 €	KA	5 / 40
506617	2" F x 2" F		48,05 €	KA	1
506614N	3/8" F x 3/8" F		4,317 €	KA	1
501107	1/2" F x 1/2" F		4,769 €	KA	40 / 320
501307	3/4" F x 3/4" F		5,98 €	KA	20 / 160
500672	1" F x 1" F		11,27 €	KA	10 / 80
506615N	1"1/4 F x 1"1/4 F		18,24 €	KA	10 / 80
506616N	1"1/2 F x 1"1/2 F		26,20 €	KA	5 / 40
506617N	2" F x 2" F		48,54 €	KA	1

RF 820



- **Raccordo a T femmina.**
- *Female tee fitting.*
- **Raccord à T femelle.**
- *IG T-Anschluss.*
- **Racores T hembra.**

Code	Size	Color	Price	Class	Packaging
506622	3/8" F x 3/8" F x 3/8" F		4,995 €	KA	1
501066	1/2" F x 1/2" F x 1/2" F		4,961 €	KA	25 / 200
501067	3/4" F x 3/4" F x 3/4" F		6,20 €	KA	15 / 120
501068	1" F x 1" F x 1" F		12,32 €	KA	10 / 80
506623	1"1/4 F x 1"1/4 F x 1"1/4 F		22,16 €	KA	5 / 40
506624	1"1/2 F x 1"1/2 F x 1"1/2 F		32,72 €	KA	5 / 40
506622N	3/8" F x 3/8" F x 3/8" F		5,07 €	KA	1
501041	1/2" F x 1/2" F x 1/2" F		4,938 €	KA	25 / 200
501042	3/4" F x 3/4" F x 3/4" F		6,32 €	KA	15 / 120
501043	1" F x 1" F x 1" F		12,45 €	KA	10 / 80
506623N	1"1/4 F x 1"1/4 F x 1"1/4 F		23,01 €	KA	5 / 40
506624N	1"1/2 F x 1"1/2 F x 1"1/2 F		33,23 €	KA	5 / 40

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RM 4770



- **Raccordo murale doppio.**
- *Double wall fitting.*
- **Raccord mural double.**
- *Doppel-Wand-Schraubverbinder.*
- **Racor codo doble con base.**

Code	Size	Color	Price	Class	Packaging
500405	1/2" F x EUROK		14,66 €	KA	10 / 80



• FOCUS: U-fittings >>p. 98

RM 780



- **Raccordo murale doppio femmina.**
- *Double female wall fitting.*
- **Raccord mural double femelle.**
- *Doppel IG Wand-Schraubverbinder.*
- **Racor codo doble hembra.**

Code	Size	Color	Price	Class	Packaging
500401	1/2" F x 1/2" F		15,18 €	KA	10 / 80



• FOCUS: U-fittings >>p. 98

RM 4760



- **Raccordo murale.**
- *Wall fitting.*
- **Raccord mural.**
- *Wand-Schraubverbinder.*
- **Racor codo con base.**

Code	Size	Color	Price	Class	Packaging
500594	1/2" F x EUROK		6,12 €	KA	25 / 200
500307	3/4" F x EUROK		8,98 €	KA	20 / 80

AS 1927



- **Staffa per raccordo murale.**
- *Bracket for wall fitting.*
- **Etrier pour raccord mural.**
- *Halterung für Wand-Verbinder.*
- **Brida para racores con base.**

Code	Size	Price	Class	Packaging
510000	Distance 100 / 153 mm	6,73 €	JC	2 / 50

RR 704



- **Tubo cromato ad S per impianti a battiscopa.**
- *S chromed pipe for skirting board plants.*
- **Tube chromé à S pour installations à la plinthe.**
- *Verchrome S-Rohr für Sockenleiste.*
- **Tubo cromado S para sistemas en zócalos.**

Code	Size	Price	Class	Packaging
500060	Ø15	10,23 €	JC	12 / 96

AS 1929



- **Staffa per raccordo murale.**
- *Bracket for wall fitting.*
- **Etrier pour raccord mural.**
- *Halterung für Wand-Verbinder.*
- **Brida para racores con base.**

Code	Size	Price	Class	Packaging
500574	Distance 153 mm	3,501 €	JC	1 / 100

RR 4723



- **Raccordo doppio T incrociato per impianti a battiscopa.**
- *Double crossed T fitting for skirting board plants.*
- **Raccord à double T croisé pour installations à la plinthe.**
- *Doppel T-Stück für Sockenleiste.*
- **Racor T doble cruzado para sistemas en zócalos.**

Code	Size	Color	Price	Class	Packaging
500261N	EUROK x 6		26,31 €	KA	8 / 64

RR 723



- **Raccordo doppio T incrociato per impianti a battiscopa.**
- *Double crossed T fitting for skirting board plants.*
- **Raccord à double T croisé pour installations à la plinthe.**
- *Doppel T-Stück für Sockenleiste.*
- **Racor T doble cruzado para sistemas en zócalos.**

Code	Size	Color	Price	Class	Packaging
500259N	1/2" F x 6		25,84 €	KA	6 / 48

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SCREW FITTINGS

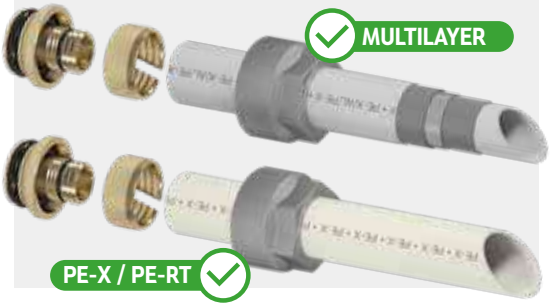
The range of IVAR screw fittings is extremely complete, with connections for different types of pipes such as copper (TR), multilayer (TA) and polyethylene (TP). The fittings are compatible with the Eurokonus standard and each type has several variants depending on the outside diameter and thickness of the pipe.
The offer is completed with pre-assembled solutions (RR, RA, RP) with male or female connection on straight or elbow terminals.

Soft copper	Semi-hard copper	Mild steel	Multilayer	Cross-linked polyethylene
45 Nm ≤ T ≤ 55 Nm	60 Nm ≤ T ≤ 80 Nm	60 Nm ≤ T ≤ 70 Nm	20 Nm ≤ T ≤ 30 Nm	30 Nm ≤ T ≤ 40 Nm
				

T = Max. tightening torque

FOCUS: Screw fittings for both multilayer and PEX pipe

1 FITTING FOR
2 TYPES OF PIPE



PIPE CALIBRATION AND CHAMFERING
NOT NEEDED



LARGER INTERNAL BORE AND
REDUCED PRESSURE DROPS



NO CORROSION
DUE TO STRAY CURRENTS



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TA 4420



- **Raccordo EUROK per tubo multistrato e in polietilene.**
- *EUROK fitting for multilayer and polyethylene pipe.*
- **Raccord EUROK pour tube multicouches et en polyéthylène.**
- *EUROK-Verschraubung für Verbund- und für Polyäthylen-Rohr.*
- **Conexión EUROK para tubo multicapa y de polietileno.**

Code	Size	Color	Price	Class	Packaging
506061	EUROK x 12/1,8		3,893 €	JA	40 / 320
500683	EUROK x 14/2		3,893 €	JA	40 / 320
500400	EUROK x 15/1,5		4,012 €	JA	40 / 320
500684	EUROK x 16/2		3,893 €	JA	40 / 320
500579	EUROK x 16/2,25		3,893 €	JA	40 / 320
506040	EUROK x 16,2/2,6		3,893 €	JA	40 / 160
500012	EUROK x 17/2		4,169 €	JA	40 / 320
500685	EUROK x 18/2		4,169 €	JA	40 / 320
500754	EUROK x 18/2,5		4,169 €	JA	40 / 320
500914	EUROK x 20/2		4,348 €	JA	40 / 320
500009	EUROK x 20/2,25		4,575 €	JA	40 / 320
501010	EUROK x 20/2,5		4,348 €	JA	40 / 320
506295	EUROK x 20/2,9 (for multilayer pipe only)		5,94 €	JA	40 / 320

TP 4410



- **Raccordo EUROK per tubo in polietilene.**
- *EUROK fitting for polyethylene pipe.*
- **Raccord EUROK pour tube en polyéthylène.**
- *EUROK-Verschraubung für Polyäthylen-Rohr.*
- **Conexión EUROK para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
500590	EUROK x 12/1		3,673 €	JA	40 / 320
520041	EUROK x 12/2		3,673 €	JA	40 / 320
500679	EUROK x 14/2		3,593 €	JA	40 / 320
500148	EUROK x 15/1,7		3,893 €	JA	40 / 320
500769	EUROK x 15/2,5		3,737 €	JA	40 / 320
500591	EUROK x 16/1,5		3,51 €	JA	40 / 320
500680	EUROK x 16/2		3,51 €	JA	40 / 320
500681	EUROK x 16/2,2		3,51 €	JA	40 / 320
500682	EUROK x 17/2		3,737 €	JA	40 / 320
500145	EUROK x 18/1,8		3,737 €	JA	40 / 320
500650	EUROK x 18/2		4,169 €	JA	40 / 320
506020	EUROK x 18/2,5		3,737 €	JA	40 / 320
500651	EUROK x 20/2		4,169 €	JA	40 / 320
500649	EUROK x 20/2,8		4,025 €	JA	40 / 320
506200	EUROK x 20/3,4		4,025 €	JA	40 / 320
500753	EUROK x 21/2,5		4,528 €	JA	40 / 320

TR 4430



- **Raccordo EUROK per tubo rame ed acciaio dolce.**
- *EUROK fitting for copper and mild steel pipe.*
- **Raccord EUROK pour tube en cuivre et en acier doux.**
- *EUROK-Verschraubung für Kupferrohre und Weichstahlrohre.*
- **Conexión EUROK para tubo de cobre y acero dulce.**

Code	Size	Color	Price	Class	Packaging
500998	EUROK x 10/1		3,282 €	JA	40 / 320
500157	EUROK x 12/1		2,712 €	JA	40 / 320
500024	EUROK x 14/1		2,671 €	JA	40 / 320
500025	EUROK x 15/1		2,671 €	JA	40 / 320
500026	EUROK x 16/1		2,671 €	JA	40 / 320

TP 4410 HK



- **Raccordo EUROK per tubo in polietilene.**
- *EUROK fitting for polyethylene pipe.*
- **Raccord EUROK pour tube en polyéthylène.**
- *EUROK-Verschraubung für Polyäthylen-Rohr.*
- **Conexión EUROK para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
TFEK10-1	EUROK x 10/1,3		4,671 €	JA	10 / 200

TR 4430-18



- **Raccordo EUROK per tubo rame ed acciaio dolce.**
- *EUROK fitting for copper and mild steel pipe.*
- **Raccord EUROK pour tube en cuivre et en acier doux.**
- *EUROK-Verschraubung für Kupferrohre und Weichstahlrohre.*
- **Conexión EUROK para tubo de cobre y acero dulce.**

Code	Size	Color	Price	Class	Packaging
500417	EUROK x 18/1		4,30 €	JA	40 / 320

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TA 420 P



- **Raccordo 1/2" F per tubo multistrato e in polietilene.**
- *1/2" F fitting for multilayer and polyethylene pipe.*
- **Raccord 1/2" F pour tube multicouches et en polyéthylène.**
- *Verschraubung 1/2" IG für Verbund- und für Polyäthylen-Rohr.*
- **Conexión 1/2" F para tubo multicapa y de polietileno.**

Code	Size	Color	Price	Class	Packaging
506265	1/2" F x 14/2 (for multilayer pipe only)		3,138 €	JA	50 / 400
500759	1/2" F x 16/2		3,138 €	JA	40 / 320
506267	1/2" F x 16/2,25 (for multilayer pipe only)		3,138 €	JA	50 / 400

TR 430 P



- **Raccordo 1/2" F a stringere per tubo rame ed acciaio dolce con bussola in NBR.**
- *1/2" F fitting for copper and mild steel pipe with NBR bushing.*
- **Raccord 1/2" F pour tube en cuivre et en acier doux avec douille en NBR.**
- *Verschraubung 1/2" IG für Kupferrohre und Weichstahlrohre mit Hülsen aus NBR.*
- **Conexión 1/2" F para tubo de cobre y acero dulce con buje en NBR.**

Code	Size	Color	Price	Class	Packaging
506260	1/2" F x 10/1		2,659 €	JA	50 / 400
506261	1/2" F x 12/1		2,659 €	JA	50 / 400
506262	1/2" F x 14/1		2,659 €	JA	50 / 400
506263	1/2" F x 15/1		2,935 €	JA	50 / 400
506264	1/2" F x 16/1		2,935 €	JA	50 / 400

TP 410 P



- **Raccordo 1/2" F per tubo in polietilene.**
- *1/2" F fitting for polyethylene pipe.*
- **Raccord 1/2" F pour tube en polyéthylène.**
- *Verschraubung 1/2" IG für Polyäthylen-Rohr.*
- **Conexión 1/2" F para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
506268	1/2" F x 12/1,1		3,138 €	JA	50 / 200
506269	1/2" F x 12/2		3,138 €	JA	50 / 200
506272	1/2" F x 15/2,5		3,138 €	JA	50 / 200
506273	1/2" F x 16/1,5		3,138 €	JA	50 / 200
506275	1/2" F x 16/2,2		3,138 €	JA	50 / 200

RA 761 N



- **Raccordo per tubo multistrato e in polietilene EUROK x 1/2" M.**
- *Fitting for multilayer and polyethylene pipe EUROK x 1/2" M.*
- **Raccord pour tube multicouches et en polyéthylène EUROK x 1/2" M.**
- *EUROK x 1/2" AG Verschraubung für Verbund- und für Polyäthylen-Rohr.*
- **Racor de compresión para tubo multicapa y de polietileno EUROK x 1/2" M.**

Code	Size	Color	Price	Class	Packaging
570002N	1/2" M x 16/2		6,73 €	LA	50 / 200
570005N	1/2" M x 18/2		6,89 €	LA	50 / 200
570007N	1/2" M x 20/2		7,11 €	LA	50 / 200

RR 781 N



- **Raccordo per tubo rame ed acciaio dolce EUROK x 1/2" M.**
- *Fitting for copper and mild steel pipe EUROK x 1/2" M.*
- **Raccord pour tube en cuivre et en acier doux EUROK x 1/2" M.**
- *EUROK x 1/2" AG Verschraubung für Kupferrohre und Weichstahlrohre.*
- **Racor de compresión para tubo de cobre y acero dulce EUROK x 1/2" M.**

Code	Size	Color	Price	Class	Packaging
570051N	1/2" M x 10/1		5,27 €	LA	50 / 200
570053N	1/2" M x 12/1		5,27 €	LA	50 / 50
570054N	1/2" M x 14/1		5,27 €	LA	50 / 200
570055N	1/2" M x 15/1		5,27 €	LA	40 / 160
570056N	1/2" M x 16/1		5,27 €	LA	50 / 200
570057N	1/2" M x 18/1		6,73 €	LA	50 / 200

RP 731 N



- **Raccordo per tubo polietilene EUROK x 1/2" M.**
- *Fitting for polyethylene pipe EUROK x 1/2" M.*
- **Raccord pour tube polyéthylène EUROK x 1/2" M.**
- *EUROK x 1/2" AG Verschraubung für Polyäthylen-Rohr.*
- **Racor de compresión para tubo de polietileno EUROK x 1/2" M.**

Code	Size	Color	Price	Class	Packaging
570020N	1/2" M x 12/1		6,46 €	LA	50 / 200
570021N	1/2" M x 12/2		6,46 €	LA	50 / 200
570022N	1/2" M x 14/2		6,46 €	LA	50 / 200
570023N	1/2 M x 15/1,7		6,46 €	LA	50 / 200
570024N	1/2" M x 15/2,5		6,46 €	LA	50 / 200
570025N	1/2" M x 16/1,5		6,46 €	LA	50 / 200
570026N	1/2" M x 16/2		6,46 €	LA	50 / 200
570027N	1/2" M x 16/2,2		6,46 €	LA	50 / 200
570028N	1/2" M x 17/2		6,44 €	LA	50 / 200
570029N	1/2" M x 18/1,8		6,44 €	LA	50 / 200
570030N	1/2" M x 18/2		6,44 €	LA	50 / 200
570031N	1/2" M x 20/2		6,73 €	LA	50 / 200
570032N	1/2" M x 20/2,8		6,73 €	LA	50 / 200
570033N	1/2" M x 21/2,5		6,98 €	LA	50 / 200

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RA 761



- **Raccordo a stringere diritto maschio per tubo multistrato.**
- *Compression straight male fitting for multilayer pipe.*
- **Raccord à serrage droit mâle pour tube multicouche.**
- *Durchgang AG Pressanschluss für Verbundrohr.*
- **Racor de compresión recto macho para tubo multicapa.**

Code	Size	Color	Price	Class	Packaging
500043	3/4" M x 20/2		7,67 €	LA	20 / 160
501361	3/4" M x 25/2,5		11,68 €	LA	25 / 100
500122	3/4" M x 25/3		11,68 €	LA	25 / 100
501084	3/4" M x 26/3		11,68 €	LA	20 / 80
501497	3/4" M x 32/3		18,45 €	LA	15 / 60
506489	1" M x 25/2,5		12,11 €	LA	15 / 60
506490	1" M x 25/3		12,11 €	LA	15 / 60
506057	1" M x 26/3		12,11 €	LA	15 / 60
500203	1" M x 32/3		15,92 €	LA	10 / 40
500043N	3/4" M x 20/2		7,88 €	LA	25 / 100
501361N	3/4" M x 25/2,5		12,01 €	LA	25 / 100
500122N	3/4" M x 25/3		12,01 €	LA	25 / 100
501084N	3/4" M x 26/3		12,01 €	LA	25 / 100
501497N	3/4" M x 32/3		19,01 €	LA	15 / 60
506489N	1" M x 25/2,5		12,45 €	LA	15 / 60
506490N	1" M x 25/3		12,45 €	LA	15 / 60
506057N	1" M x 26/3		12,45 €	LA	15 / 60
500203N	1" M x 32/3		16,39 €	LA	10 / 40

RA 762



- **Raccordo a stringere diritto femmina per tubo multistrato.**
- *Compression straight female fitting for multilayer pipe.*
- **Raccord à serrage droit femelle pour tube multicouche.**
- *Durchgang IG Pressanschluss für Verbundrohr.*
- **Racor de compresión recto hembra para tubo multicapa.**

Code	Size	Color	Price	Class	Packaging
506484	3/4" F x 25/2,5		11,40 €	LA	20 / 80
506454	3/4" F x 25/3		11,40 €	LA	20 / 80
506455	3/4" F x 26/3		11,40 €	LA	20 / 80
506456	3/4" F x 32/3		14,88 €	LA	10 / 40
506483	1" F x 25/2,5		12,72 €	LA	15 / 60
506491	1" F x 25/3		12,72 €	LA	15 / 60
506450	1" F x 26/3		12,72 €	LA	15 / 60
506451	1" F x 32/3		16,06 €	LA	15 / 60
506484N	3/4" F x 25/2,5		12,25 €	LA	20 / 80
506454N	3/4" F x 25/3		12,25 €	LA	20 / 80
506455N	3/4" F x 26/3		12,25 €	LA	20 / 80
506456N	3/4" F x 32/3		15,30 €	LA	10 / 40
506483N	1" F x 25/2,5		13,12 €	LA	15 / 60
506491N	1" F x 25/3		13,12 €	LA	15 / 60
506450N	1" F x 26/3		13,12 €	LA	15 / 60
506451N	1" F x 32/3		16,54 €	LA	15 / 60

RP 731



- **Raccordo a stringere diritto maschio per tubo in polietilene.**
- *Compression straight male fitting for polyethylene pipe.*
- **Raccord à serrage droit mâle pour tube en polyéthylène.**
- *Durchgang AG Pressanschluss für Polyäthylenrohr.*
- **Racor de compresión recto macho para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
506209	3/4" M x 20/2		7,37 €	LA	25 / 100
501051	3/4" M x 20/2,8		7,37 €	LA	25 / 100
501054	3/4"M x 25/2,3		11,72 €	LA	20 / 80
550042	3/4" M x 25/2,5		11,72 €	LA	25 / 100
501052	3/4" M x 25/3,5		11,72 €	LA	20 / 80
506492	1" M x 25/2,3		11,65 €	LA	20 / 80
506209N	3/4" M x 20/2,3		7,59 €	LA	25 / 100
501051N	3/4" M x 20/2,8		7,59 €	LA	25 / 100
501054N	3/4" M x 25/2,3		12,07 €	LA	25 / 100
550042N	3/4" M x 25/2,5		12,07 €	LA	25 / 100
501052N	3/4" M x 25/3,5		12,07 €	LA	25 / 100
506492N	1" M x 25/2,3		11,99 €	LA	20 / 80

RP 732



- **Raccordo a stringere diritto femmina per tubo in polietilene.**
- *Compression straight female fitting for polyethylene pipe.*
- **Raccord à serrage droit femelle pour tube en polyéthylène.**
- *Durchgang IG Pressanschluss für Polyäthylenrohr.*
- **Racor de compresión recto hembra para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
506457	3/4" Fx25/2,3		11,40 €	LA	15 / 60
506494	1" F x 25/2,3		12,57 €	LA	15 / 60
506457N	3/4" F x 25/2,3		11,75 €	LA	15 / 60
506494N	1" F x 25/2,3		12,94 €	LA	15 / 60

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RA 861



- **Raccordo a stringere ad angolo maschio per tubo multistrato.**
- *Compression angle male fitting for multilayer pipe.*
- **Raccord à serrage à angle mâle pour tube multicouche.**
- *Winkel AG Pressanschluss für Verbundrohr.*
- **Racor codo de compresión macho para tubo multicapa.**

Code	Size	Color	Price	Class	Packaging
506488	3/4" M x 25/2,5		15,20 €	LA	20 / 80
506473	3/4" M x 26/3		15,20 €	LA	10 / 80
506486	1" M x 25/2,5		17,04 €	LA	10 / 80
506463	1" M x 26/3		17,04 €	LA	10 / 80
506464	1" M x 32/3		19,66 €	LA	10 / 40
506488N	3/4" M x 25/2,5		15,51 €	LA	20 / 80
506473N	3/4" M x 26/3		15,51 €	LA	10 / 80
506486N	1" M x 25/2,5		17,63 €	LA	10 / 80
506463N	1" M x 26/3		17,63 €	LA	10 / 80
506464N	1" M x 32/3		20,34 €	LA	10 / 40

RA 862



- **Raccordo a stringere ad angolo femmina per tubo multistrato.**
- *Compression angle female fitting for multilayer pipe.*
- **Raccord à serrage à angle femelle pour tube multicouche.**
- *Winkel IG Pressanschluss für Verbundrohr.*
- **Racor codo de compresión hembra para tubo multicapa.**

Code	Size	Color	Price	Class	Packaging
506487	3/4" F x 25/2,5		16,57 €	LA	10 / 40
506470	3/4" F x 26/3		16,57 €	LA	10 / 40
506485	1" F x 25/2,5		19,15 €	LA	10 / 40
506461	1" F x 26/3		19,15 €	LA	10 / 40
506462	1" F x 32/3		20,77 €	LA	10 / 40
506487N	3/4" F x 25/2,5		17,07 €	LA	10 / 40
506470N	3/4" F x 26/3		17,07 €	LA	10 / 40
506485N	1" F x 25/2,5		19,73 €	LA	10 / 40
506461N	1" F x 26/3		19,73 €	LA	10 / 40
506462N	1" F x 32/3		21,42 €	LA	10 / 40

TR 401



- **Raccordo per tubo rame ed acciaio dolce con ogiva ricotta.**
- *Fitting for copper and mild steel pipe with annealed ogive.*
- **Raccord pour tube en cuivre et en acier doux avec ogive recuite.**
- *Verschraubung für Kupferrohre und Weichstahlrohre mit geglühtem Klemmring.*
- **Conexión para tubo de cobre y acero dulce con ojiva recocida.**

Code	Size	Color	Price	Class	Packaging
501047	G 1/2" x 15/1		2,06 €	JA	100 / 800

TR 402



- **Raccordo per tubo rame ed acciaio dolce con ogiva e o-ring.**
- *Fitting for copper and mild steel with ogive and o-ring.*
- **Raccord pour tube en cuivre et en acier doux avec ogive et joint torique.**
- *Verschraubung für Kupferrohre und Weichstahlrohre mit Klemmring und O-Ring.*
- **Conexión para tubo de cobre y acero dulce con ojiva y o-ring.**

Code	Size	Color	Price	Class	Packaging
501009	G 1/2" x 15/1		2,192 €	JA	100 / 800

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UNDER-FLOOR FITTINGS

The widespread use of cross-linked polyethylene pipes has made it necessary to introduce some measures in systems to minimise problems deriving from the use of this type of pipe. In fact one of the main defects is the high elastic return which determines a certain difficulty in attaching DHW taps and fittings and radiator valves to the walls. The use of hydraulic junction boxes (similar to household electric systems) greatly simplifies use of the polyethylene pipe, also giving it an incomparable aesthetic result. The junction boxes, with their template, have fixed centre distances for the connections of sanitary appliances and, thanks to the numerous grooves for anchoring to the template, allow you to choose the fixing depth of the fittings in the wall, depending on the thickness of the intended covering. When using for radiator junctions, the use of RR 702 chrome-plated extensions and of AGE06/07 plates definitely give the junction a pleasant aspect (no longer cracked walls, inclined pipes, hanging radiators). The junction boxes make it possible to crimp the conduit (always recommended for thermal expansion problems), forming a unique element making it possible to pull off the pipe when necessary and to replace it with a new one without needing to break the wall. All the hot dipped galvanised iron templates are fractionable in case of single use. The SS1711 boxes can be coupled one to another by grooved guides to obtain a minimum centre distance of 38 mm for use in heating with single pipe valves and 3- and 4-way distributors. The supplied template allows you to obtain centre distances of 38, 50, 100, 153 mm to meet all the junction requirements both in heating and in DHW.
Boxes with 105 ° fitting SS1730 - SS1735 are equipped with sealed rubber cap insulating the box from the circuit. Should the fitting drip, the leak can be immediately identified in the box and does not extend through the conduit.
The junctions have EUROKONUS thread and make it possible to use all the fittings for polyethylene, multilayer and even copper pipes. Using the last two types of pipe makes it impossible to pull off the pipe due to its greater rigidity, but all the other features of the system carried out professionally and aesthetically remain unchanged.



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SS 1711 B



- **Scatola di distribuzione sottotraccia con raccordo maschio EUROK a 90°.**
- *Under-floor distribution box with 90° EUROK male fitting.*
- **Boîte de distribution encastrée avec raccord EUROK mâle à 90°.**
- *Unterputz-Dose mit 90° Winkel mit AG-Anschluss EUROK.*
- **Caja de distribución empotrable con racor macho EUROK a 90°.**

Code	Size	Color	Price	Class	Packaging
500131	1/2" F x EUROK		7,70 €	MA	8 / 96

SS 1711 R



- **Scatola di distribuzione sottotraccia con raccordo maschio EUROK a 90°.**
- *Under-floor distribution box with 90° EUROK male fitting.*
- **Boîte de distribution encastrée avec raccord EUROK mâle à 90°.**
- *Unterputz-Dose mit 90° Winkel mit AG-Anschluss EUROK.*
- **Caja de distribución empotrable con racor macho EUROK a 90°.**

Code	Size	Color	Price	Class	Packaging
500131R	1/2" F x EUROK		7,70 €	MA	8 / 96

SS 1710 B



- **Scatole di distribuzione sottotraccia con raccordo maschio EUROK a 90° complete di dima.**
- *Under-floor distribution boxes with 90° EUROK male fitting equipped with template.*
- **Boîtes de distribution encastrées avec raccord EUROK mâle à 90° fournies avec platine de fixation.**
- *Unterputz-Dosen mit 90° Winkel mit AG-Anschluss EUROK und Halterung.*
- **Cajas de distribución empotrable con racor macho EUROK a 90° con plantilla.**

Code	Size	Color	Price	Class	Packaging
500132	1/2" F x EUROK		17,62 €	MA	4 / 48

SS 1710 R



- **Scatole di distribuzione sottotraccia con raccordo maschio EUROK a 90° complete di dima.**
- *Under-floor distribution boxes with 90° EUROK male fitting equipped with template.*
- **Boîtes de distribution encastrées avec raccord EUROK mâle à 90° fournies avec platine de fixation.**
- *Unterputz-Dosen mit 90° Winkel mit AG-Anschluss EUROK und Halterung.*
- **Cajas de distribución empotrable con racor macho EUROK a 90° con plantilla.**

Code	Size	Color	Price	Class	Packaging
500132R	1/2" F x EUROK		17,62 €	MA	4 / 48

SS 1710 BR



- **Scatole di distribuzione sottotraccia con raccordo maschio EUROK a 90° complete di dima.**
- *Under-floor distribution boxes with 90° EUROK male fitting equipped with template.*
- **Boîtes de distribution encastrées avec raccord EUROK mâle à 90° fournies avec platine de fixation.**
- *Unterputz-Dosen mit 90° Winkel mit AG-Anschluss EUROK und Halterung.*
- **Cajas de distribución empotrable con racor macho EUROK a 90° con plantilla.**

Code	Size	Color	Price	Class	Packaging
520060	1/2" F x EUROK	-	17,62 €	MA	4 / 48

AS 1925



- **Dima frazionabile per scatole di distribuzione sottotraccia MP/MPL 5610 - MP 5767 - SS 1711.**
- *Divisible template for under-floor distribution boxes MP/MPL 5610 - MP 5767 - SS 1711.*
- **Platine de fixation divisible pour les boîtes de distribution encastrées MP/MPL 5610 - MP 5767 - SS 1711.**
- *Trennbare Halterung für Unterputz-Dose MP/MPL 5610 - MP 5767 - SS 1711.*
- **Plantilla fraccionable para caja de distribución empotrables MP/MPL 5610 - MP 5767 - SS 1711.**

Code	Size	Price	Class	Packaging
501011	MP 5610 - SS 1711	2,882 €	JC	60

RR 702



- **Tubo di raccordo in rame cromato a tenuta morbida per scatole di distribuzione sottotraccia.**
- *Chrome-plated copper connection pipe with soft seal for concealed distribution boxes.*
- **Tube de raccord en cuivre chromé à étanchéité souple pour boîtes de distribution encastrées.**
- *Verbindungsrohr aus verchromtem Kupfer mit O-Ring für Anschlussbox für Unterputzanwendung.*
- **Tubo de conexión con cobre plateado con asiento blando para la caja de distribución bajo el yeso.**

Code	Size	Color	Price	Class	Packaging
520003	Ø15 x 1/2" M - 108 mm		9,21 €	JC	35 / 280
520001	Ø15 x 1/2" M - 175 mm		11,13 €	JC	30 / 240

SS 1740



- **Scatola di distribuzione sottotraccia a 2 uscite maschio EUROK per collegamento in serie.**
- *Under-floor distribution box with double EUROK male output for serial connections.*
- **Boîte de distribution encastrée à deux sorties EUROK mâle pour raccordement en série.**
- *Unterputz-Dose mit 2 AG-Anschlüsse EUROK für Verbindungsreihe.*
- **Caja de distribución empotrable de 2 salidas macho EUROK para la conexión en serie.**

Code	Size	Color	Price	Class	Packaging
500154	1/2" F x EUROK		16,00 €	MA	6 / 72

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AR 32



- **Cesoia per tubi di plastica TC 32 Professional.**
- *Shear for plastic pipe TC 32 Professional.*
- **Coupe-tube pour tuyaux en plastique TC 32 Professional.**
- *Kunstoffrohr-Scher TC 32 Professional.*
- **Tijeras para tubos de plástico TC 32 Professional.**

ROTHENBERGER

Code	Price	Class	Packaging
52040	111,66 €	IR	1

AR 32 L



- **Lama di ricambio TC 32.**
- *Spare blade for TC 32.*
- **Lame de rechange pour TC 32.**
- *Kunstoffrohr-Scher TC 32 Professional.*
- **Tijeras para tubos de plástico TC 32 Professional.**

ROTHENBERGER

Code	Price	Class	Packaging
52041	42,34 €	IR	1

AR 42



- **Tagliatubi TC 42 PRO MSR.**
- *Pipe cutter TC 42 PRO MSR.*
- **Coupe-tube TC 42 PRO MSR.**
- *Rohrabschneider TC 42 PRO MSR.*
- **Cortatubos TC 42 PRO MSR.**

ROTHENBERGER

Code	Price	Class	Packaging
70109	182,77 €	IR	1

AR 42 L



- **Lama di ricambio TC 42 (5 pezzi).**
- *Spare blade for TC 42 (5 pcs).*
- **Lame de rechange pour TC 42 (5 pcs).**
- *Ersatzmesser für TC 42 (5 stk).*
- **Cuchilla de TC 42 (5 pz).**

ROTHENBERGER

Code	Price	Class	Packaging
070188D	104,98 €	IR	1

AR 67



- **Tagliatubi TC 67 PL.**
- *Pipe cutter TC 67 PL.*
- **Coupe-tube TC 67 PL.**
- *Rohrabschneider TC 67 PL.*
- **Cortatubos TC 67 PL.**

ROTHENBERGER

Code	Price	Class	Packaging
70031	249,40 €	IR	1

AR 64



- **Tagliatubi PLASTICUT MSR Set.**
- *Pipe cutter PLASTICUT MSR Set.*
- **Coupe-tube PLASTICUT MSR Set.**
- *Rohrabschneider PLASTICUT MSR Set.*
- **Cortatubos PLASTICUT MSR Set.**

ROTHENBERGER

Code	Size	Price	Class	Packaging
88700	16 - 20 - 25/26 mm	158,04 €	IR	1

AR 43



- **Cesoia per tubi di plastica TC 42 Professional.**
- *Shear for plastic pipe TC 42 Professional.*
- **Coupe-tube pour tuyaux en plastique TC 42 Professional.**
- *Kunstoffrohr-Scher TC 42 Professional.*
- **Tijeras para tubos de plástico TC 42 Professional.**

ROTHENBERGER

Code	Price	Class	Packaging
52000	154,98 €	IR	1

AR 43 L



- **Lama di ricambio TC 42 Professional.**
- *Spare blade for TC 42 Professional.*
- **Lame de rechange pour TC 42 Professional.**
- *Ersatzmesser für TC 42 Professional.*
- **Cuchilla de TC 42 Professional.**

ROTHENBERGER

Code	Price	Class	Packaging
52042	85,10 €	IR	1

AR 63



- **Cesoia per tubi di plastica TC 63 Professional.**
- *Shear for plastic pipe TC 63 Professional.*
- **Coupe-tube pour tuyaux en plastique TC 63 Professional.**
- *Kunstoffrohr-Scher TC 63 Professional.*
- **Tijeras para tubos de plástico TC 63 Professional.**

ROTHENBERGER

Code	Price	Class	Packaging
52030	232,72 €	IR	1

AR 63 L



- **Lama di ricambio TC 63 Professional.**
- *Spare blade for TC 63 Professional.*
- **Lame de rechange pour TC 63 Professional.**
- *Ersatzmesser für TC 63 Professional.*
- **Cuchilla de TC 63 Professional.**

ROTHENBERGER

Code	Price	Class	Packaging
52031	163,87 €	IR	1

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AR 01



- **Calibratore per tubo multistrato.**
- *Caliper for multilayer pipe.*
- **Calibrateur pour tubes multicouches.**
- *Kaliber für Verbundrohr.*
- **Calibrador para tubo multicapa.**

Code	Size	Price	Class	Packaging
500406	Pipe from Ø16/2 to Ø32/3 mm	160,41 €	IR	1
500407	40/3,5	160,41 €	IR	1
500408	50/4	187,35 €	IR	1
500409	63/4,5	245,76 €	IR	1

AR 02



- **Kit calibratori per tubo multistrato completo di valigetta in materiale plastico.**
- *Kit of calipers for multilayer pipe complete with plastic carrying case.*
- **Kit calibrateurs pour tube multicouches avec coffret en plastique.**
- *Kalibrierungssatz für mehrschichtige Rohre mit Plastikkoffer.*
- **Kit calibradores para tubo multicapa con maletín de plástico.**

Code	Size	Price	Class	Packaging
501797	Ø14/2 - Ø16/2 - Ø18/2 - Ø20/2 - Ø26/3 - Ø32/3 - Ø40/3,5 - Ø50/4 - Ø63/4,5	842,42 €	IR	1

AR 09



- **Impugnatura per calibratore per tubo multistrato.**
- *Grip for multilayer pipe caliper.*
- **Poignée pour calibrateur pour tubes multicouches.**
- *Griff für das Kalibrierungsgerät für mehrschichtige Rohre.*
- **Empuñadura para calibrador para tubo multicapa.**

Code	Price	Class	Packaging
IM0001	60,76 €	IR	1

AR 04



- **Calibratori per tubo multistrato.**
- *Calipers for multilayer pipe.*
- **Calibrateurs pour tubes multicouches.**
- *Kalibere für Verbundrohr.*
- **Calibradores para tubo multicapa.**

Code	Size	Price	Class	Packaging
CA0001	14/2	57,44 €	IR	1
CA0002	16/2	58,56 €	IR	1
CA0013	16/2,25	58,56 €	IR	1
CA0003	18/2	60,76 €	IR	1
CA0004	20/2	64,08 €	IR	1
CA0015	20/2,25	64,08 €	IR	1
CA0016	20/2,5	64,08 €	IR	1
CA0017	25/2,5	77,35 €	IR	1
CA0005	26/3	77,35 €	IR	1
CA0006	32/3	97,23 €	IR	1
CA0007	40/3,5	141,42 €	IR	1
CA0008	50/4	224,28 €	IR	1
CA0009	63/4,5	386,69 €	IR	1

PT 5706



- **Tappo autofilettante.**
- *Self-threading plug.*
- **Bouchon à vis.**
- *Abdruckstopf.*
- **Tapón autorroscante.**

Code	Size	Color	Price	Class	Packaging
510112	16/2		13,90 €	JC	5 / 200
510114	20/2		14,20 €	JC	5 / 200

HD17



- **Svolgirotolo per tubo in polietilene e multistrato.**
- *Roll distributor for polyethylene and multilayer pipe.*
- **Derouleur pour tubes en polyéthylène et multi-couche.**
- *Abroller für Polyethylen- und Verbundrohr.*
- **Desbobinadora para tubo de polietileno y multi-capa.**

Code	Size	Price	Class	Packaging
HD17	Pipe from Ø16 to Ø26 mm	524,92 €	IR	1

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AC 670



- **Chiave per raccordi a stringere.**
- *Wrench for compression fittings.*
- **Clé pour raccords à serrage.**
- *Schlüssel für Pressanschlüsse.*
- **Llave para accesorios de compresión.**

Code	Size	Price	Class	Packaging
501181	24-27 mm	37,66 €	JC	15

AC 671



- **Chiave per nippli girevoli.**
- *Wrench for rotating nipples.*
- **Clé pour npples pivotants.**
- *Schüssel für drehbare Anschlussstücke.*
- **Llave para entrerroscas giratorias.**

Code	Size	Price	Class	Packaging
500030	27-30 mm	6,49 €	JC	20 / 160
500029	37-48 mm	9,24 €	JC	20

AR 75



- **Pinza automatica regolabile ROGRIP M.**
- *Quickly adjustable water pump plier ROGRIP M.*
- **Pince multiprise à réglage rapide ROGRIP M.**
- *Schnellverstellbare Wasserpumpenzange ROGRIP M.*
- **Tenazas de canal con ajuste rápido ROGRIP M.**

ROTHENBERGER

Code	Size	Price	Class	Packaging
1000002699	10“ - Ø 2“	55,53 €	IR	1

AR 77



- **Giratubi 90°.**
- *Pipe Wrench 90°.*
- **Clé Serre-tube 90°.**
- *Rhorzange 90°.*
- **Llaves suecas 90°.**

ROTHENBERGER

Code	Size	Price	Class	Packaging
070110X	1”	115,19 €	IR	1
070111X	1”1/2	164,26 €	IR	1
070112X	2”	260,86 €	IR	1

AR 76



- **Chiave fissa e chiave a cricco ad anello snodata ROCLICK.**
- *Combined open-ended / hinged ratchet wrench ROCLICK.*
- **Clé combinée à fourche et cliquet articulé ROCLICK.**
- *Kombi Maul-/Gelenk-Ratschenschlüssel ROCLICK.*
- **Combinación llave fija / carraca articulada RO-CLICK.**

ROTHENBERGER

Code	Size	Price	Class	Packaging
70490	8-10-11-13-14-17-19	413,63 €	IR	1

AR 50



- **Curvatubi TUBE BENDER MSR 32 SET.**
- *TUBE BENDER MSR 32 SET.*
- **Cintreuse TUBE BENDER MSR 32 SET.**
- *Biegegerät TUBE BENDER MSR 32 SET.*
- **Curvadora TUBE BENDER MSR 32 SET.**

ROTHENBERGER

Code	Size	Price	Class	Packaging
23095	14-16-18-20-26-32 mm	1.189,04 €	IR	1
23065	14-16-18-20-25-32 mm	1.145,85 €	IR	1

AR 1920



- **Anima flessibile interna per la curvatura rapida dei tubi.**
- *Flexible internal core for rapid pipe bends.*
- **Noyau flexible interne pour le cintrage rapide des tubes.**
- *Flexibler Kern für Inneranwendung zum Schnell-biegen des Rohres.*
- **Alma flexible interior para la rápida curva de los tubos.**

Code	Size	Length	Price	Class	Packaging
140069	16/2	0.60 m	9,03 €	IR	1
140060	16/2	2 m	24,59 €	IR	1
140068	18/2	0.60 m	12,00 €	IR	1
140066	18/2	2 m	26,27 €	IR	1
140081	20/2	0.60 m	12,00 €	IR	1
140082	20/2	2 m	26,27 €	IR	1
140043	26/3	0.60 m	15,70 €	IR	1
140042	32/3	0.60 m	15,70 €	IR	1

AR 1921



- **Anima flessibile esterna per la curvatura rapida dei tubi.**
- *Flexible external core for rapid pipe bends.*
- **Noyau flexible externe pour le cintrage rapide des tubes.**
- *Flexibler Kern für Außeranwendung zum Schnell-biegen des Rohres.*
- **Alma flexible exterior para la rápida curva de los tubos.**

Code	Size	Length	Price	Class	Packaging
140045	16/2	0.60 m	9,63 €	IR	1
140044	18/2	0.60 m	16,11 €	IR	1
140039	20/2	0.60 m	16,11 €	IR	1

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AR 37



- **Pressatrice ROMAX 4000 a batteria completa di valigetta, batteria e caricabatterie.**
- *ROMAX 4000 battery-pressmachine with transport case, battery and charger.*
- **Machine à sertir ROMAX 4000 à batteries complet de valise, batterie et chargeur.**
- *Batteriebetriebene Pressmaschine ROMAX 4000 komplett mit Koffer, Akku und Ladegerät.*
- **Prensa con batería ROMAX 4000 dotada de caso, batería y cargador.**

ROTHENBERGER

Code	Size	Price	Class	Packaging
1000002683	Ø 12-108 mm - 32 kN / 40 mm	3.486,04 €	IR	1

AR 37 B



- **Batteria per ROMAX 4000.**
- *Battery for ROMAX 4000.*
- **Batterie pour ROMAX 4000.**
- *Akku für ROMAX 4000.*
- **Batería para ROMAX 4000.**

ROTHENBERGER

Code	Price	Class	Packaging
1000002548	503,27 €	IR	1

AR 37 C



- **Caricabatteria per ROMAX 4000.**
- *Charger for ROMAX 4000.*
- **Chargeur pour ROMAX 4000.**
- *Ladegerät für ROMAX 4000.*
- **Cargador para ROMAX 4000.**

ROTHENBERGER

Code	Price	Class	Packaging
1000001654	339,78 €	IR	1

AR 120



- **Ganascia madre per catene ZSB1.**
- *Intermediate jaw for pressing collars ZSB1.*
- **Mâchoire intermédiaire pour chaines de sertissageZBS1.**
- *Zwischenbacke für Pressschlingen ZSB1.*
- **Mordaza intermedia para collares de presión.**

ROTHENBERGER

Code	Price	Class	Packaging
1000001126	967,56 €	IR	1

AR 10 R



- **Pinze per raccordi a pressare.**
- *Jaws for press fittings.*
- **Pinces pour raccords à presser.**
- *Zangen für Pressanschlüsse.*
- **Pinzas para accesorios a prensar.**

ROTHENBERGER

Code	Size	Price	Class	Packaging
501741RBE	Ø16 BE	694,10 €	IR	1
501743RBE	Ø20 BE	694,10 €	IR	1
501744RBE	Ø26 BE	694,10 €	IR	1
501745RBE	Ø32 BE	694,10 €	IR	1
501741RR	Ø16 R	390,75 €	IR	1
501742RR	Ø18 R	390,75 €	IR	1
501743RR	Ø20 R	390,75 €	IR	1
501730RR	Ø25 R	511,65 €	IR	1
501744RR	Ø26 R	390,75 €	IR	1
501745RR	Ø32 R	390,75 €	IR	1
501741RTH	Ø16 TH	318,16 €	IR	1
501742RTH	Ø18 TH	390,75 €	IR	1
501743RTH	Ø20 TH	318,16 €	IR	1
501730RTH	Ø25 TH	390,75 €	IR	1
501744RTH	Ø26 TH	318,16 €	IR	1
501745RTH	Ø32 TH	318,16 €	IR	1
501746RTH	Ø40 TH	792,80 €	IR	1
501741RU	Ø16 U	390,75 €	IR	1
501742RU	Ø18 U	390,75 €	IR	1
501743RU	Ø20 U	390,75 €	IR	1
501730RU	Ø25 U	390,75 €	IR	1
501745RU	Ø32 U	390,75 €	IR	1
501746RU	Ø40 U	792,80 €	IR	1

AR 110



- **Catene.**
- *Pressing collars.*
- **Chaines de sertissage Standard.**
- *Pressschlingen Standard.*
- **Collares de presión.**

ROTHENBERGER

Code	Size	Price	Class	Packaging
1000001810	Ø50 TH	1.534,85 €	IR	1
1000001811	Ø63 TH	1.534,85 €	IR	1

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AR 71



- **Pompa provaimpianti compatta TP 25.**
- *TP 25 small and robust precision testing pump for pressure testing.*
- **Petite pompe de précision TP 25 robuste pour épreuve de pression.**
- *Kleine und robuste Präzisionsprüfpumpe TP 25 für die Druckprüfung.*
- **Bomba de comprobación de presión precisa, pequeña y sólida TP 25.**

Code	Size	Range	Price	Class	Packaging
60250	Tank 7 l	0-25 bar	666,63 €	IR	1

AR 72



- **Pompa provaimpianti di precisione RP 50-S in struttura monoblocco.**
- *Robust precision testing pump RP 50-S for pressure testing of water lines and containers with very high testing standards.*
- **Pompe d'épreuve de précision robuste RP 50-S pour l'épreuve des conduites d'eau et des réservoirs avec exigences élevées de contrôle.**
- *Robuste Präzisionsprüfpumpe RP 50-S für die Druckprüfung von Wasserleitungen und Behältern mit hohen Prüfanforderungen.*
- **Sólida bomba RP 50-S para realizar comprobaciones de precisión sobre la presión de tuberías de agua y contenedores con niveles de exigencia muy altos.**

Code	Size	Range	Price	Class	Packaging
60200	Tank 12 l	0-60 bar	932,87 €	IR	1

AR 73



- **Pompa provaimpianti elettrica autoadescante RP PRO III.**
- *Self-priming electric testing pump RP PRO III.*
- **Pompe électrique de remplissage et contrôle à auto-aspirante RP PRO III.**
- *Selbstansaugende elektrische Befüll- und Prüfpumpe RP PRO III.*
- **Bomba de comprobación con autocebado y llenado eléctrico RP PRO III.**

Code	Max inlet pressure	Price	Class	Packaging
61185	40 bar	2.084,06 €	IR	1

AR 55



- **Sistema di congelamento per tubi in rame e acciaio ROFROST® TURBO.**
- *ROFROST® TURBO pipe freezing system for copper, steel, stainless steel pipes.*
- **Appareil de congélation des tubes pour les tubes en cuivre et acier ROFROST® TURBO.**
- *Rohreinfriersysteme für Kupfer- und Stahlrohre ROFROST® TURBO.*
- **Sistema de congelador para tubos de cobre y acero ROFROST® TURBO.**

Code	Size	Price	Class	Packaging
1500003000	1"1/4	3.690,82 €	IR	1
1500003001	3/4" - 2"	5.231,35 €	IR	1

AR 60



- **Compressore ROPULS per la pulizia e la manutenzione di impianti di riscaldamento e acqua potabile secondo EN 806 / DIN 1988-2.**
- *ROPULS flushing compressor for scouring and cleaning of heating systems and flushing of drinking water pipes according to EN 806 / DIN 1988-2.*
- **Compresseur nettoyeur ROPULS pour le désembouage et le nettoyage de systèmes de chauffage et pour le rinçage de conduites d'eau potable selon la eN 806/ DiN 1988-2.**
- *Spülkompressor ROPULS zum Entschlammen und Reinigen von Heizungssystemen und zum Spülen von Trinkwasserleitungen nach EN 806 / DIN 1988-2.*
- **Compresor de limpieza por barrido ROPULS para el abastecimiento y la limpieza de sistemas de calefacción y el barrido de instalaciones de agua potable según DIN 1988-2.**

Code	Size	Protocol function	Price	Class	Packaging
1000001134	Pipe max Ø DN 50 / 2"	✓	7.137,81 €	IR	1
1000000145	Pipe max Ø DN 50 / 2"	-	6.909,03 €	IR	1

AR 74

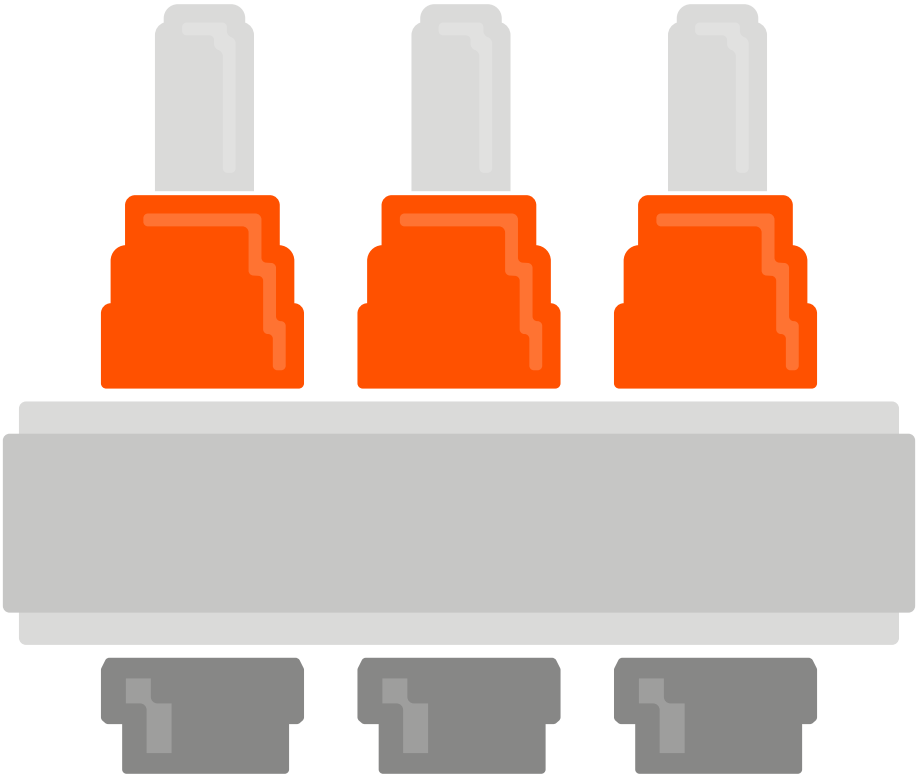


- **Unità elettrica ROSOLAR PUMP per risciacquare, riempire e svuotare impianti a circuito chiuso.**
- *ROSOLAR solar filling pump.*
- **Pompe de remplissage solaire ROSOLAR PUMP.**
- *Solar Befüllpumpe ROSOLAR PUMP.*
- **Bomba de llenar para rellenar, limpiar y ventilar sistemas solares y geotérmicos ROSOLAR PUMP.**

Code	Size	Price	Class	Packaging
1500000135	3/4" - Tank 30 l	1.789,74 €	IR	1

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MANIFOLDS



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Colectores componibles EASY•RADIANT 142



Collettori da barra in ottone
Brass-rod manifolds
Kits collecteurs en laiton pour plancher chauffant
Verteiler aus Messingstangen
Colectores de barra de latón 146



Collettori in acciaio inox
Stainless steel manifolds
Collecteurs en acier inox
Edelstahl-Verteiler
Colectores de acero inoxidable 176



Collettori in tecnopolimero
Technopolymer manifolds
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Collettori complanari
Coplanar manifolds
Collecteurs coplanaires
Koplanare Verteiler
Colectores coplanares 200



Cassette
Cabinets
Cassettes
Kasten
Cajas 204



Terminali per collettori
Terminals for manifolds
Parties terminales pour collecteurs
Verteilerendstücke
Terminales para colectores 206



Valvole di sfiato
Air vent valves
Purgeurs d'air
Entlüftungsventile
Válvulas purgadoras 207



Staffe
Brackets
Étriers
Wandhalterungen
Soportes 208



Valvole di bypass
Bypass valves
Vannes bypass hydrauliques
Bypass-Ventile
Válvulas de bypass 210



Raccordi e tappi
Fittings and plugs
Raccords et bouchons
Verbinder und Verschlüsse
Racores y tapones 212



Ricambi e articoli complementari
Spare parts and complementary items
Pièces détachées et articles complémentaires
Ersatzteile und Komplementärartikeln
Repuestos y artículos complementarios 217



Valvole a sfera
Ball valves
Vannes à bille
Kugelventile
Válvulas de bola 222



Valvole di zona
Zone valves
Vannes de zone
Zonenventile
Válvulas de zona 228

EASY•RADIANT

The EASY•RADIANT series manifolds are used for distribution of the heat transfer fluid in radiant systems. They are equipped with Fluxer balancing devices on flow manifold and thermostatic inserts on return manifold. EASY•RADIANT series features the option for practical and simple interconnection with one another. Thanks to the offset design of the threads, manifolds remain aligned and the action of an O-ring ensures perfect sealing efficiency. This means there is no need for additional sealing elements such as hemp or PTFE or the use of additional sealants.

Materials
Brass parts: yellow CW617N
Sealing elements: peroxide EPDM

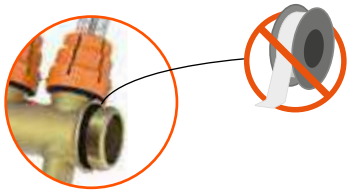
Technical specifications
Max. fluid temperature inside manifold: 90 °C
Maximum operating pressure: 10 bar
Outlet centre-to-centre distance: 40 mm

PLUS

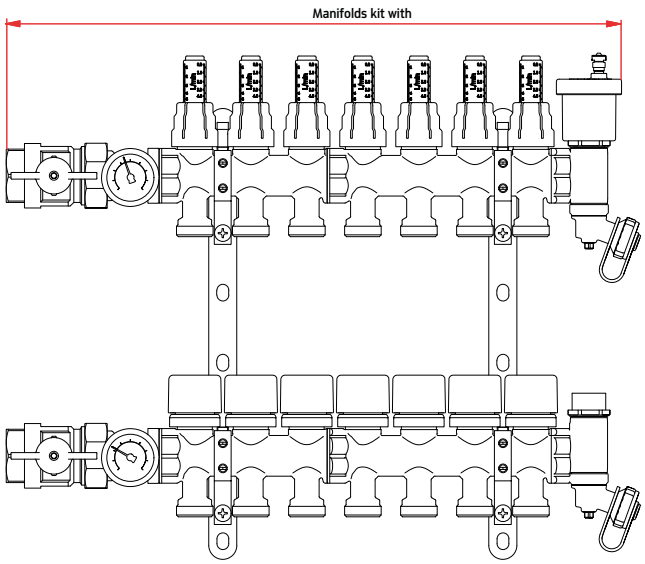
- **Automatic alignment thanks to offset threads**



- **Offset female thread to house and safeguard the O-ring during installation**
- **Available with 3, 4 or 5 outlets and main fitting 1"**
- **Versions with outlets 3/4" EK and M24**
- **O-ring for soft seal: no additional sealant required**



MANIFOLDS KIT WIDTH AND SUITABLE CABINET



Manifold ways		3	4	5	6	7	8	9	10	11	12	13
1" manifolds kit width		280 mm	320 mm	360 mm	400 mm	440 mm	480 mm	520 mm	560 mm	600 mm	640 mm	680 mm
AC 840 E	Cabinet code	200130	200130	200130	200130	200131	200131	200131	200131	200131	200132	200132
	Cabinet width	500 mm	500 mm	500 mm	500 mm	700 mm	700 mm	700 mm	700 mm	700 mm	850 mm	850 mm
AC 840	Cabinet code	200086	200086	200086	200086	200686	200686	200186	200186	200186	200786	200786
	Cabinet width	500 mm	500 mm	500 mm	500 mm	600 mm	600 mm	700 mm	700 mm	700 mm	800 mm	800 mm

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EXAMPLES OF APPLICATION FOR EASY•RADIANT MANIFOLD ACCESSORIES

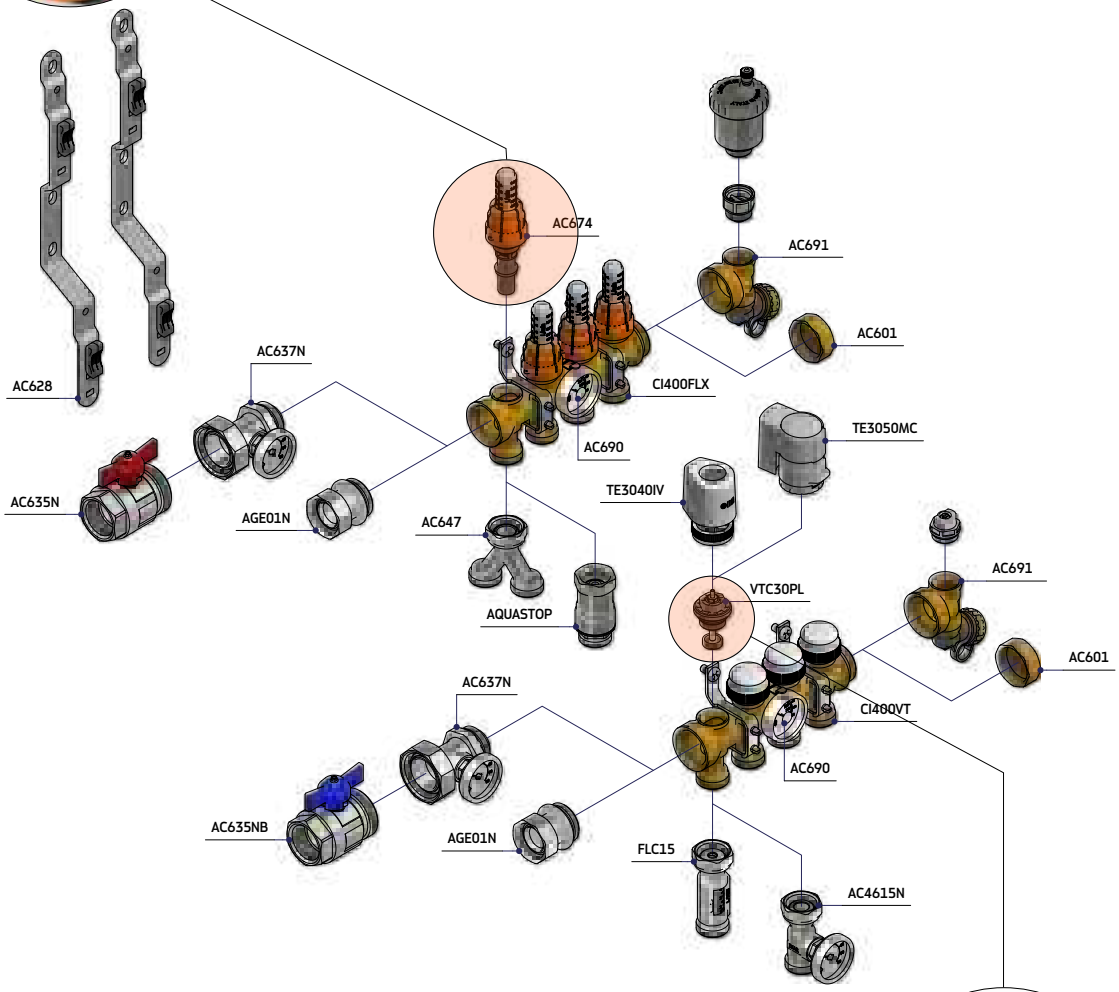


FLUXER®

Fluxer is the IVAR device for balancing and the display of flow rates on single circuits.

Glass panel replaceable also with system in operation

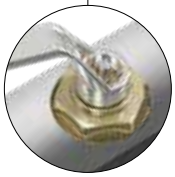
Possibility of shutoff and position memory



INSERT WITH THERMOSTATIC CONTROL OPTION

The manifolds with thermostat control option are supplied with a control knob serving to protect the thread and possible shutoff of the bypass circuit.





The control rod can also be replaced with the system in operation.

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CI 400 KC



- **Kit EASY RADIANT (interasse 40 mm) composto da collettore componibile di mandata con misuratori/regolatori di portata FLUXER (0-2,5 l/min), collettore componibile di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile e attacchi EUROK.**
- *EASY RADIANT kit (centre-to-centre distance 40 mm) made of modular flow manifold with flow meters/adjusters FLUXER (0-2.5 l/min), modular return manifold with isolation valves with protection cap for thermostatic insert and EUROK connections.*
- **Kit EASY RADIANT (empattement 40 mm) composé d'un collecteur à éléments d'envoi avec débit-mètres/régulateurs FLUXER (0-2,5 l/min), un collecteur à éléments de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatisable et embouts EUROK.**
- *EASY RADIANT-Bausatz (Radstand 40 mm) besteht aus Vorlauf-Einbauverteiler mit Durchflussmengenmesser FLUXER (0-2,5 l/min), Rücklauf-Einbauverteiler mit Absperbarenventilen mit Schutzkappe für Thermostat-Regulierungsvorrichtung und EUROK Anschlüßen.*
- **Conjunto EASY RADIANT (distancia entre ejes 40 mm) dotado de colector componible de impulsión con medidores/reguladores de caudal FLUXER (0-2,5 l/min), colector componible de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable y conexiones EUROK.**

Code	Ways	Size	OC distance	Color	Price	Class	Packaging
506875	3	1" x EUROK	40 mm		128,68 €	OH	1 / 8
506876	4	1" x EUROK	40 mm		161,28 €	OH	1 / 8
506877	5	1" x EUROK	40 mm		193,89 €	OH	1 / 8

CI 400 FLX



- **Collettore componibile serie EASY RADIANT (interasse 40 mm) di mandata con misuratore/regolatore portata FLUXER (0-2,5 l/min) e attacchi EUROK.**
- *Modular flow manifold EASY RADIANT series (centre-to-centre distance 40 mm) with flow meter/adjuster FLUXER (0-2.5 l/min) and EUROK connections.*
- **Collecteur à éléments série EASY RADIANT (empattement 40 mm) d'envoi avec débit-mètre/régulateur FLUXER (0-2,5 l/min) et embouts EUROK.**
- *Vorlauf-Einbauverteiler Serie EASY RADIANT (Radstand 40 mm) mit Durchflussmengenmesser FLUXER (0-2,5 l/min) und EUROK Anschlüßen.*
- **Colector componible serie EASY RADIANT (distancia entre ejes 40 mm) de impulsión con medidor/regulador de caudal FLUXER (0-2,5 l/min) y conexiones EUROK.**

Code	Ways	Size	OC distance	Color	Price	Class	Packaging
506862	3	1" x EUROK	40 mm		71,45 €	OH	18
506863	4	1" x EUROK	40 mm		89,89 €	OH	15
506864	5	1" x EUROK	40 mm		108,33 €	OH	15

CI 400 VT



- **Collettore componibile serie EASY RADIANT (interasse 40 mm) di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile e attacchi EUROK.**
- *Modular return manifold EASY RADIANT series (centre-to-centre distance 40 mm) with isolation valves with protection cap for thermostatic insert and EUROK connections.*
- **Collecteur à éléments série EASY RADIANT (empattement 40 mm) de retour avec vannes d´interception avec capuchon de protection pour insert thermostatisable et embouts EUROK.**
- *Rücklauf-Einbauverteiler Serie EASY RADIANT (Radstand 40 mm) mit Absperbarenventilen mit Schutzkappe für Thermostat-Regulierungsvorrichtung und EUROK Anschlüßen.*
- **Colector componible serie EASY RADIANT (distancia entre ejes 40 mm) de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable y conexiones EUROK.**

Code	Ways	Size	OC distance	Color	Price	Class	Packaging
506865C	3	1" x EUROK	40 mm		57,23 €	OH	20
506866C	4	1" x EUROK	40 mm		71,40 €	OH	18
506867C	5	1" x EUROK	40 mm		85,56 €	OH	12



- **Cassetta non inclusa >> p. 204**
- *Cabinet not included >> p. 204*
- **Cassette pas inclus >> p. 204**
- *Kasten nicht enthalten >> p. 204*
- **Caja no incluida >> p. 204**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >> p. 64,127,212,428**
- *Fitting for polyethylene pipe >> p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >> p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >> p. 64,127,212,428*
- **Conexión para tubo de polietileno >> p. 64,127,212,428**



- **Valvole a sfera >> p. 222,314**
- *Ball valves >> p. 222,314*
- **Vannes à bille >> p. 222,314**
- *Kugelventile >> p. 222,314*
- **Válvulas de bola >> p. 222,314**

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AC 691



- **Kit di terminali orientabili per collettori EASY-RADIANT con rubinetti di scarico, valvola di ritegno, valvola di sfiato automatica e manuale.**
- *Kit of swiveling terminals for EASY-RADIANT manifolds with drainage valves, check valve, automatic and manual air vent valves.*
- **Kit de terminals orientables pour collecteurs EASY-RADIANT avec robinets de vidange, clapet de retenue, purgeur automatique et manuel.**
- *Verstellbare Endstück-Kit für EASY-RADIANT Verteiler mit Entleerungshahn, Rückschlagventil, automatischem und manuellem Entlüftungsventil.*
- **Kit de terminales orientables para colectores EASY-RADIANT con llaves de descarga, válvula de retención, válvula purgadora automática y manual.**

Code	Size	Price	Class	Packaging
500134	1" F	44,60 €	NJ	1 / 16

AC 628



- **Staffa doppia per collettori componibili serie EASY-LOCK / BASIC / EASY-RADIANT.**
- *Double bracket for modular manifolds EASY-LOCK / BASIC / EASY-RADIANT series.*
- **Étrier double pour collecteurs à éléments de la série EASY-LOCK / BASIC / EASY-RADIANT.**
- *Doppelt Wandalterung für Einbauverteiler der Serie EASY-LOCK / BASIC / EASY-RADIANT.*
- **Soporte doble para colectores componibles de la serie EASY-LOCK / BASIC / EASY-RADIANT.**

Code	OC distance	Depth	Manifolds type	Price	Class	Packaging
501632	200 mm	80 mm	1" (EASY-LOCK / BASIC / EASY-RADIANT series)	8,07 €	NJ	2 / 70
501639	200 mm	95 mm	1" (EASY-LOCK / BASIC / EASY-RADIANT series)	7,54 €	NJ	2 / 70

AC 694



- **Copertura isolante per collettori EASY-RADIANT, adatta per impianti di riscaldamento/raffrescamento radiante.**
- *Insulating cover for EASY-RADIANT manifolds, suitable for radiant heating/cooling systems.*
- **Couverture isolante pour collecteurs EASY-RADIANT, adaptée pour systèmes radiants de chauffage/refroidissement.**
- *Isolierabdeckung für Verteiler EASY-RADIANT, geeignet für Fussbodenheizung- und Kühlung Systeme.*
- **Cubierta de aislamiento para colectores EASY-RADIANT, adecuada para sistemas de calefacción y enfriamiento radiante.**

Code	Ways	Manifolds type	Price	Class	Packaging
506547	12	1"	20,96 €	NJ	5

TE 3040 IV



- **Testa elettrotermica normalmente chiusa (2 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 40 mm.**
- *Electrothermal head normally closed (2 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 40 mm.*
- **Tête électrothermique normalement fermée (2 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 40 mm.**
- *Elektrothermischer Stellantriebe stromlos-zu (2 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 40 mm.*
- **Cabeza electrotérmica normalmente cerrada (de 2 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 40 mm.**

Code	Size	Manifolds type	Price	Class	Packaging
501508E	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 40 mm	29,64 €	AC	1 / 100

TE 3050 MC



- **Testa elettrotermica normalmente chiusa con contatto di fine corsa (4 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 40 mm.**
- *Electrothermal head normally closed with limit switch contact (4 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 40 mm.*
- **Tête électrothermique normalement fermée avec contact de fin de course (4 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 40 mm.**
- *Elektrothermischer Stellantriebe stromlos-zu mit Endschalterkontakt (4 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 40 mm.*
- **Cabeza electrotérmica normalmente cerrada con contacto de fin de carrera (de 4 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 40 mm.**

Code	Size	Manifolds type	Price	Class	Packaging
500808MC	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 40 mm	43,43 €	AC	100

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BRASS-ROD MANIFOLDS

Bar manifolds are machined and undergo stress relieving heat treatment after mechanical processing. They are then assembled with automated processes and tested individually. A complete set of sizes are available, with versions and accessories for control of the single ways. They can be purchased pre-assembled on standard or lowered brackets in delivery/return kits. Numerous accessories complete the manifold with all components required for optimal system operation: ball shutoff valves, air purge valves, filler-drain valves, bypass valves, housing cabinets and individual isolation.

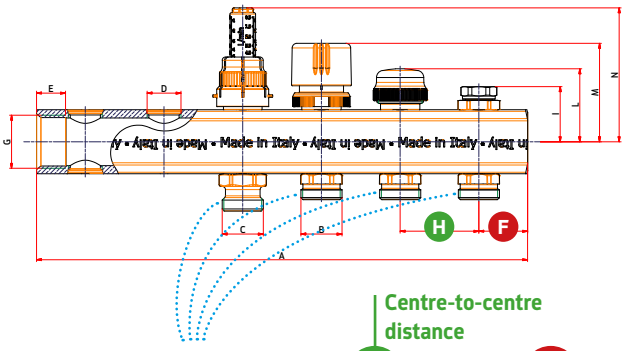
Materials
Body: brass CW617N
Seals and O-rings: peroxide EPDM
Shutoff knobs and caps: ABS

Technical specifications
Max. fluid temperature: 120 °C; versions with FLUXER: 90 °C
Maximum operating pressure: 10 bar

PLUS

- **Subject to stress relieving heat treatment to remove residual tension due to mechanical processing.**
- **Each manifold is tested to guarantee grip on assembled components and on 100% of production.**
- **Compatible with both low and high temperatures.**

SINGLE MANIFOLD DIMENSIONS



Centre-to-centre distance

$$A = (WAYS - 1) \times H + (2 \times F)$$

Distance between centreline of last way and end of manifold

Size	3/4“	1“	1“1/4	1“1/2
A	(WAYS - 1) × H + (2 × F)			
B	EUROK	EUROK	EUROK	3/4“ F
C	EUROK	EUROK	EUROK	-
D	1/2“ F	1/2“ F	1/2“ F	1/2“ F
E	15 mm	18 mm	19 mm	21 mm
F	26,5 mm	31 mm	32 mm	38 mm
G	3/4“	1“	1“1/4	1“1/2
H	40 mm	50 mm	50 mm	50 mm
I	-	36 mm	41 mm	45,5 mm
L	-	46,5 mm	51,5 mm	-
M	-	66,5 mm	72 mm	77 mm
N	-	88 mm	93,5 mm	-

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EXAMPLES OF APPLICATION FOR BRASS ROD MANIFOLD ACCESSORIES

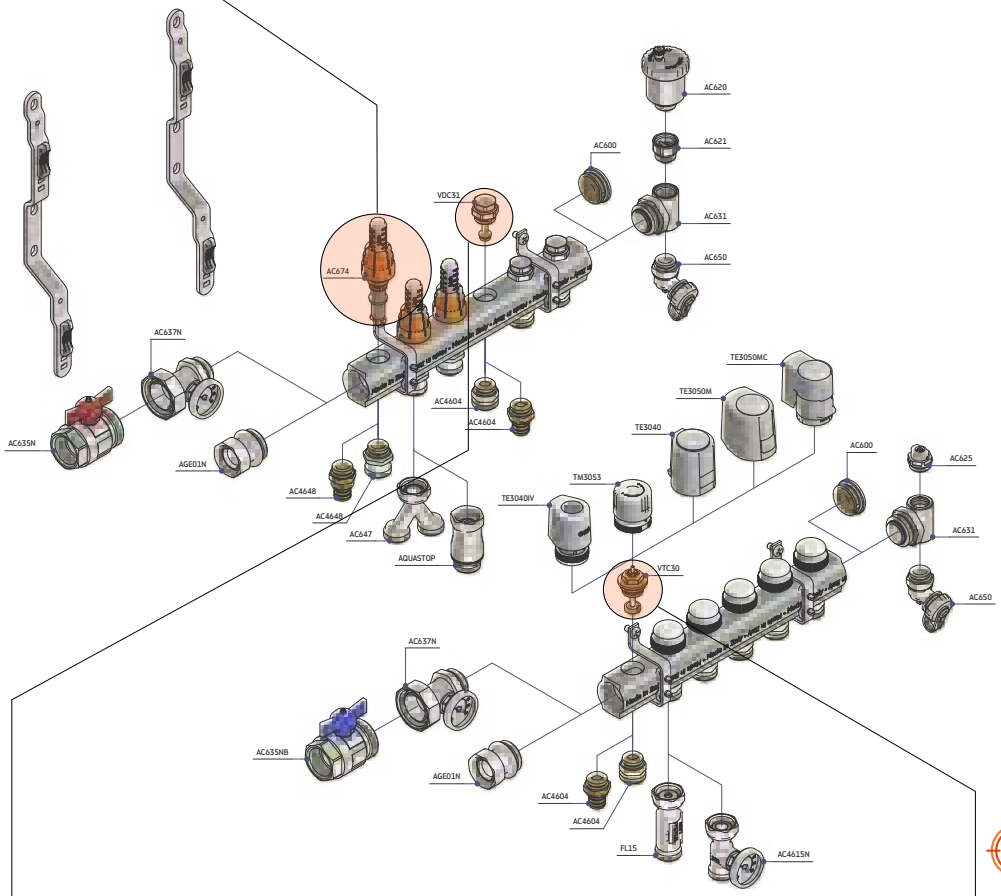


FLUXER®

Fluxer is the IVAR device for balancing and the display of flow rates on single circuits.

Glass panel replaceable even with system in operation

Isolation and position memory possible



FOCUS
See next page

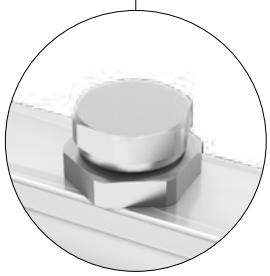
INSERT WITH THERMOSTATIC CONTROL OPTION

(NEW version with dynamic insert available)

The manifolds with thermostat control option are supplied with a control knob to protect the thread and possible isolation of the bypass circuit.



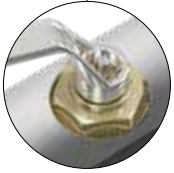




LOCKSHIELD

Used for the control and static balancing of circuits, equipped with a screw with micrometric thread for gradual opening of the shutter and position memory. The position memory enables shutoff of the circuit, leaving the grub screw position unchanged for subsequent re-opening.

The control rod can also be replaced with the system in operation.



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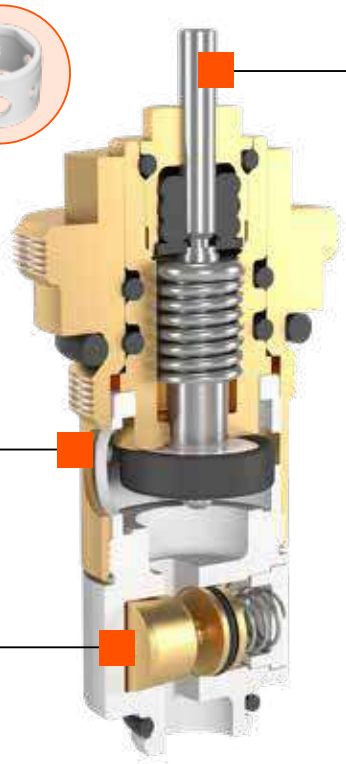
The dynamic balancing cartridges for manifolds represent a major evolution in IVAR's product range for radiant systems. In a correctly balanced system, the water is distributed between the various circuits on the basis of the design parameters defined by the technical heating engineer. Typically, balancing at the manifold is static, and the flow meters are set at system commissioning. However, during operation, the system often finds itself in conditions other than those envisaged in the design: circuits opening and closing on the basis of the ambient temperature modify the flow rates even in correctly balanced circuits. Static balancing is not designed to react to the system's operating conditions. On the other hand, the dynamic balancing cartridges **react when the system operating conditions change to maintain the required flow rates in each circuit. This therefore guarantees the correct heat output during operation not only in total load, but also in partial load conditions, with concrete benefits in terms of comfort and energy efficiency**. The dynamic balancing cartridges can also be used for shutting off the circuit.

The new dynamic balancing head is made up of three elements:

1. **thermostatic insert** which, when combined with an electrothermal head controlled by a room thermostat, allows the opening and closing of each floor circuit;
2. **flow selector** that lets you set the maximum flow rate through the single circuit. The headwork has a selector with 6 positions, one for each a flow rate value;
3. **dynamic insert** to keep the flow rate constant on that circuit regardless of pressure variations in the system, because of opening / closing of the circuits.

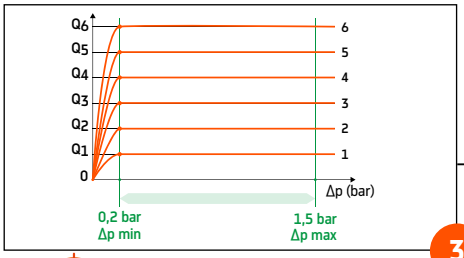


2 Flow selector





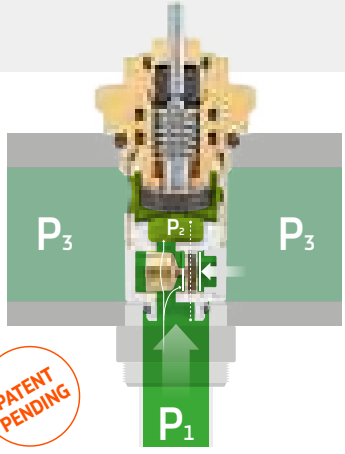
1 Thermostatic insert



3 Dynamic insert

FOCUS: Dynamic insert

The dynamic insert is a mobile element on which the pressures P1, P3 and the action of a calibrated spring insist: the combined action of these forces and the profile of the insert makes the pressure difference between P2 and P3 (between the thermostatic insert and the calibrated orifice of the flow selector) constant, even in case of pressure variations of P1 or P3. In this way the flow is constant through the single circuit.



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- **È possibile ordinare i collettori con vitoni con bilanciamento dinamico: aggiungere il suffisso "D" al codice >> +14,00€ per ogni uscita del collettore.**
- *It is possible to order manifolds with dynamic balancing inserts: add suffix "D" at the end of the code >> +€ 14.00 for each manifold output.*
- **Il est possible de commander les collecteurs équipés d'inserts avec équilibrage dynamique : ajouter le suffixe «D» au code >> +14,00 € pour chaque sortie du collecteur.**
- *Sie können die Verteiler mit Einsatz mit dynamischem Ausgleich bestellen: fügen Sie dem Code das Suffix „D" hinzu >> +14,00 € für jede Verteilerauslauf.*
- **Puede pedir los colectores con tornillos con equilibrado dinámico: agregar sufijo "D" al final del código >> +14,00 € por cada salida de colector.**

EXAMPLE

See table below



500086CN

+D



500086CN**D**

CI 595 CN

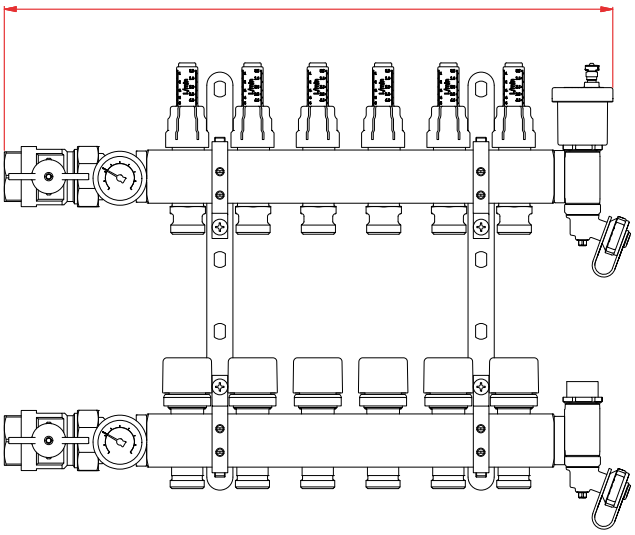


- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER, collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile, inserti dinamici, staffe e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER, return manifold with isolation valves with protection cap for thermostatic insert, dynamic inserts, brackets and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER, un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatisable, inserts dynamiques, étriers et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER, Rücklaufverteiler mit Absperbarenventilen mit Schutzkappe für Thermostat-Reguliervorrichtung, dynamische Einsätze, Haltebügeln und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER, colector de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable, insertos dinamicos, abrazaderas y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
500082CN**D**	2	1" x EUROK	110 mm	200086	500 mm		153,33	NE	1
500083CN**D**	3	1" x EUROK	110 mm	200086	500 mm		216,97	NE	1
500084CN**D**	4	1" x EUROK	110 mm	200086	500 mm		280,15	NE	1
500085CN**D**	5	1" x EUROK	110 mm	200086	500 mm		343,70	NE	1
500086CN**D**	6	1" x EUROK	110 mm	200086	500 mm		407,25	NE	1
500087CN**D**	7	1" x EUROK	110 mm	200086	500 mm		470,71	NE	1
500088CN**D**	8	1" x EUROK	110 mm	200086	500 mm		534,26	NE	1
500089CN**D**	9	1" x EUROK	110 mm	200686	600 mm		598,10	NE	1
500090CN**D**	10	1" x EUROK	110 mm	200686	600 mm		659,94	NE	1
500091CN**D**	11	1" x EUROK	110 mm	200186	700 mm		725,34	NE	1
500092CN**D**	12	1" x EUROK	110 mm	200186	700 mm		788,39	NE	1
500093CN**D**	13	1" x EUROK	110 mm	200786	800 mm		854,69	NE	1
502142CN**D**	2	1"1/4 x EUROK	110 mm	200086	500 mm		167,69	NE	1
502143CN**D**	3	1"1/4 x EUROK	110 mm	200086	500 mm		236,96	NE	1
502144CN**D**	4	1"1/4 x EUROK	110 mm	200086	500 mm		306,41	NE	1
502145CN**D**	5	1"1/4 x EUROK	110 mm	200086	500 mm		375,68	NE	1
502146CN**D**	6	1"1/4 x EUROK	110 mm	200086	500 mm		445,08	NE	1
502147CN**D**	7	1"1/4 x EUROK	110 mm	200086	500 mm		514,50	NE	1
502148CN**D**	8	1"1/4 x EUROK	110 mm	200086	500 mm		583,81	NE	1
502149CN**D**	9	1"1/4 x EUROK	110 mm	200686	600 mm		653,12	NE	1
502150CN**D**	10	1"1/4 x EUROK	110 mm	200686	600 mm		722,40	NE	1
502151CN**D**	11	1"1/4 x EUROK	110 mm	200186	700 mm		791,86	NE	1
502152CN**D**	12	1"1/4 x EUROK	110 mm	200186	700 mm		861,12	NE	1
502153CN**D**	13	1"1/4 x EUROK	110 mm	200786	800 mm		930,55	NE	1

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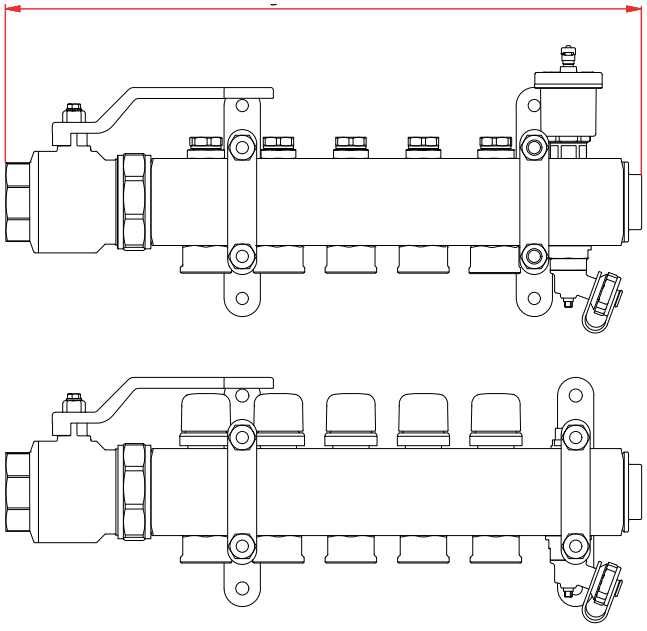
1" - 1"1/4 MANIFOLDS KIT WIDTH AND SUITABLE CABINET



Manifold ways	2	3	4	5	6	7	8	9	10	11	12	13
1" manifolds kit width	266 mm	316 mm	366 mm	416 mm	466 mm	516 mm	566 mm	616 mm	666 mm	716 mm	766 mm	816 mm
AC 840 E - Cabinet code	200130	200130	200130	200131	200131	200131	200131	200132	200132	200133	200133	200133
Cabinet width	500 mm	500 mm	500 mm	700 mm	700 mm	700 mm	700 mm	850 mm	850 mm	1.000 mm	1.000 mm	1.000 mm
AC 840 - Cabinet code	200086	200086	200086	200686	200686	200186	200186	200786	200786	200286	200286	200886
Cabinet width	500 mm	500 mm	500 mm	600 mm	600 mm	700 mm	700 mm	800 mm	800 mm	900 mm	900 mm	1.000 mm

Manifold ways	2	3	4	5	6	7	8	9	10	11	12
1"1/4 manifolds kit width	300 mm	350 mm	400 mm	450 mm	500 mm	550 mm	600 mm	650 mm	700 mm	750 mm	800 mm
AC 840 - Cabinet code	200086	200086	200086	200686	200686	200186	200186	200786	200786	200286	200286
Cabinet width	500 mm	500 mm	500 mm	600 mm	600 mm	700 mm	700 mm	800 mm	800 mm	900 mm	900 mm

1"1/2 MANIFOLDS KIT WIDTH AND SUITABLE CABINET



Manifold ways	2	3	4	5	6	7	8	9	10	11	12
1"1/2 manifolds kit width	305 mm	355 mm	405 mm	455 mm	505 mm	555 mm	605 mm	655 mm	705 mm	755 mm	805 mm
AC 840 - Cabinet code	200089	200590	200590	200090	200090	200690	200690	200190	200190	200790	200790
Cabinet width	500 mm	600 mm	600 mm	700 mm	700 mm	800 mm	800 mm	900 mm	900 mm	1.000 mm	1.000 mm

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CI 600 N





- **Collettore di mandata con misuratore/regolatore portata FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min) e attacchi EUROK.**
- *Flow manifold with flow meter/adjuster FLUXER (1": 0-2.5 l/min*; 1"1/4: 0-5 l/min) and EUROK connections.*
- **Collecteur d'envoi avec débit-mètre/régulateur FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min) et embouts EUROK.**
- *Vorlaufverteiler mit Durchflussmengenmesser FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min) und EUROK Anschlüßen.*
- **Colector de impulsión medidor/regulador de caudal FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min) y conexiones EUROK.**

Code	Ways	Size	Color	Price	Class	Packaging
502372N	2	1" x EUROK		66,42 €	NE	12
502373N	3	1" x EUROK		97,97 €	NE	12
502374N	4	1" x EUROK		129,10 €	NE	8
502375N	5	1" x EUROK		160,46 €	NE	6
502376N	6	1" x EUROK		191,98 €	NE	6
502377N	7	1" x EUROK		223,34 €	NE	6
502378N	8	1" x EUROK		254,86 €	NE	6
502379N	9	1" x EUROK		286,64 €	NE	6
502380N	10	1" x EUROK		316,40 €	NE	6
502381N	11	1" x EUROK		349,71 €	NE	6
502382N	12	1" x EUROK		380,69 €	NE	6
502383N	13	1" x EUROK		414,86 €	NE	6
502392N	2	1"1/4 x EUROK		71,81 €	NE	8
502393N	3	1"1/4 x EUROK		105,12 €	NE	6
502394N	4	1"1/4 x EUROK		138,58 €	NE	5
502395N	5	1"1/4 x EUROK		171,95 €	NE	5
502396N	6	1"1/4 x EUROK		205,30 €	NE	5
502397N	7	1"1/4 x EUROK		238,74 €	NE	5
502398N	8	1"1/4 x EUROK		272,04 €	NE	5
502399N	9	1"1/4 x EUROK		305,38 €	NE	5
502400N	10	1"1/4 x EUROK		338,74 €	NE	5
502401N	11	1"1/4 x EUROK		372,14 €	NE	5
502402N	12	1"1/4 x EUROK		405,49 €	NE	5
502403N	13	1"1/4 x EUROK		438,93 €	NE	5

CI 601 N





- **Collettore di mandata con misuratore/regolatore portata FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), attacchi EUROK, attacchi supplementari per valvola di sfiato aria e valvola di carico/scarico.**
- *Flow manifold with flow meter/adjuster FLUXER (1": 0-2.5 l/min*; 1"1/4: 0-5 l/min), EUROK connections, additional connections for air vent valve and filling/drainage valve.*
- **Collecteur d'envoi avec débit-mètre/régulateur FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), embouts EUROK, embouts supplémentaires pour purgeur d´air et robinet de remplissage/vidange.**
- *Vorlaufverteiler mit Durchflussmengenmesser FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), EUROK Anschlüßen und zusätzliche Anschlüße für Entlüftungsventil und Lade-/Entladeventil.*
- **Colector de impulsión medidor/regulador de caudal FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), conexiones EUROK, conexiones adicionales para válvula de purga del aire y válvula para la carga/descarga.**

Code	Ways	Size	Color	Price	Class	Packaging
502082N	2	1" x EUROK		73,92 €	NE	12
502083N	3	1" x EUROK		105,47 €	NE	8
502084N	4	1" x EUROK		136,62 €	NE	6
502085N	5	1" x EUROK		168,00 €	NE	6
502086N	6	1" x EUROK		199,48 €	NE	6
502087N	7	1" x EUROK		230,85 €	NE	6
502088N	8	1" x EUROK		262,36 €	NE	6
502089N	9	1" x EUROK		294,20 €	NE	6
502090N	10	1" x EUROK		323,91 €	NE	6
502091N	11	1" x EUROK		357,27 €	NE	6
502092N	12	1" x EUROK		388,25 €	NE	6
502182N	2	1"1/4 x EUROK		82,67 €	NE	6
502183N	3	1"1/4 x EUROK		116,02 €	NE	6
502184N	4	1"1/4 x EUROK		149,47 €	NE	5
502185N	5	1"1/4 x EUROK		182,85 €	NE	5
502186N	6	1"1/4 x EUROK		216,16 €	NE	5
502187N	7	1"1/4 x EUROK		249,61 €	NE	5
502188N	8	1"1/4 x EUROK		282,94 €	NE	5
502189N	9	1"1/4 x EUROK		316,30 €	NE	5
502190N	10	1"1/4 x EUROK		349,64 €	NE	5
502191N	11	1"1/4 x EUROK		383,01 €	NE	5
502192N	12	1"1/4 x EUROK		416,36 €	NE	5



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CI 552 N



- **Collettore di mandata con detentori a doppia regolazione micrometrica e attacchi EUROK.**
- *Flow manifold with micrometric dually adjusted lockshields and EUROK connections.*
- **Collecteur d'envoi avec inserts à double réglage micrometrique et embouts EUROK.**
- *Zulauffussbodenheizungsverteilerbalken mit doppelfeinvorein Stellbarenausgleichoberteile und EUROK Anschlüßen.*
- **Colector de impulsión con detentores de doble regulación micrométrica y conexiones EUROK.**

Code	Ways	Size	Color	Price	Class	Packaging
400042N	2	1" x EUROK		37,69 €	NC	12
400043N	3	1" x EUROK		54,38 €	NC	12
400044N	4	1" x EUROK		71,02 €	NC	8
400045N	5	1" x EUROK		87,70 €	NC	6
400046N	6	1" x EUROK		104,37 €	NC	6
400047N	7	1" x EUROK		121,06 €	NC	6
400048N	8	1" x EUROK		137,68 €	NC	6
400049N	9	1" x EUROK		154,40 €	NC	6
400050N	10	1" x EUROK		171,01 €	NC	6
400051N	11	1" x EUROK		187,73 €	NC	6
400052N	12	1" x EUROK		204,45 €	NC	6
400053N	13	1" x EUROK		221,06 €	NC	6
400082N	2	1"1/4 x EUROK		55,71 €	NC	12
400083N	3	1"1/4 x EUROK		74,80 €	NC	10
400084N	4	1"1/4 x EUROK		93,89 €	NC	8
400085N	5	1"1/4 x EUROK		112,98 €	NC	8
400086N	6	1"1/4 x EUROK		132,07 €	NC	6
400087N	7	1"1/4 x EUROK		151,16 €	NC	5
400088N	8	1"1/4 x EUROK		170,25 €	NC	5
400089N	9	1"1/4 x EUROK		189,34 €	NC	4
400090N	10	1"1/4 x EUROK		208,43 €	NC	4
400091N	11	1"1/4 x EUROK		227,52 €	NC	4
400092N	12	1"1/4 x EUROK		246,61 €	NC	4
400093N	13	1"1/4 x EUROK		265,70 €	NC	4

CI 553 N



- **Collettore di mandata con detentori a doppia regolazione micrometrica, attacchi EUROK, attacchi supplementari per valvola di sfiato aria e valvola di carico/scarico.**
- *Flow manifold with micrometric dually adjusted lockshields, EUROK connections, additional connections for air vent valve and filling/ drainage valve.*
- **Collecteur d'envoi avec inserts à double réglage micrometrique, embouts EUROK, embouts supplémentaires pour purgeur d´air et robinet de remplissage/vidange.**
- *Zulauffussbodenheizungsverteilerbalken mit doppelfeinvorein Stellbarenausgleichoberteile, EUROK Anschlüßen und zusätzliche Anschlüße für Entlüftungsventil und Lade-/Entladeventil.*
- **Colector de impulsión con detentores de doble regulación micrométrica, conexiones EUROK, conexiones adicionales para válvula de purga del aire y válvula para la carga/descarga.**

Code	Ways	Size	Color	Price	Class	Packaging
500962N	2	1" x EUROK		46,22 €	NC	12
500963N	3	1" x EUROK		62,83 €	NC	8
500964N	4	1" x EUROK		79,53 €	NC	6
500965N	5	1" x EUROK		96,15 €	NC	6
500966N	6	1" x EUROK		112,85 €	NC	6
500967N	7	1" x EUROK		129,58 €	NC	6
500968N	8	1" x EUROK		146,19 €	NC	6
500969N	9	1" x EUROK		162,90 €	NC	6
500970N	10	1" x EUROK		179,51 €	NC	6
500971N	11	1" x EUROK		196,22 €	NC	6
500972N	12	1" x EUROK		212,95 €	NC	6
400002N	2	1"1/4 x EUROK		58,05 €	NC	10
400003N	3	1"1/4 x EUROK		78,28 €	NC	8
400004N	4	1"1/4 x EUROK		98,58 €	NC	8
400005N	5	1"1/4 x EUROK		118,80 €	NC	6
400006N	6	1"1/4 x EUROK		139,06 €	NC	5
400007N	7	1"1/4 x EUROK		159,30 €	NC	5
400008N	8	1"1/4 x EUROK		179,51 €	NC	4
400009N	9	1"1/4 x EUROK		199,77 €	NC	4
400010N	10	1"1/4 x EUROK		220,04 €	NC	4
400011N	11	1"1/4 x EUROK		240,34 €	NC	4
400012N	12	1"1/4 x EUROK		260,50 €	NC	4



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CI 552 (1"1/2)



- **Collettore di mandata con detentori a doppia regolazione micrometrica e attacchi 3/4" F.**
- *Flow manifold with micrometric dually adjusted lockshields and 3/4" F connections.*
- **Collecteur d'envoi avec inserts à double réglage micrometrique et embouts 3/4" F.**
- *Zulauffussbodenheizungsverteilerbalken mit doppelfeinvorein Stellbarenausgleichoberteile und 3/4" IG Anschlüßen.*
- **Colector de impulsión con detentores de doble regulación micrométrica y conexiones 3/4" F.**

Code	Ways	Size	Color	Price	Class	Packaging
560002	2	1"1/2 x 3/4" F		71,09 €	NC	1
560003	3	1"1/2 x 3/4" F		99,94 €	NC	1
560004	4	1"1/2 x 3/4" F		128,70 €	NC	1
560005	5	1"1/2 x 3/4" F		157,56 €	NC	1
560006	6	1"1/2 x 3/4" F		186,42 €	NC	1
560007	7	1"1/2 x 3/4" F		215,23 €	NC	1
560008	8	1"1/2 x 3/4" F		244,09 €	NC	1
560009	9	1"1/2 x 3/4" F		272,85 €	NC	1
560010	10	1"1/2 x 3/4" F		301,71 €	NC	1
560011	11	1"1/2 x 3/4" F		330,46 €	NC	1
560012	12	1"1/2 x 3/4" F		359,33 €	NC	1
560013	13	1"1/2 x 3/4" F		388,18 €	NC	1

CI 553 (1"1/2)



- **Collettore di mandata con detentori a doppia regolazione micrometrica, attacchi 3/4" F, attacchi supplementari per valvola di sfiato aria e valvola di carico/scarico.**
- *Flow manifold with micrometric dually adjusted lockshields, 3/4" F connections, additional connections for air vent valve and filling/ drainage valve.*
- **Collecteur d'envoi avec inserts à double réglage micrometrique, embouts 3/4" F, embouts supplémentaires pour purgeur d´air et robinet de remplissage/vidange.**
- *Zulauffussbodenheizungsverteilerbalken mit doppelfeinvorein Stellbarenausgleichoberteile, 3/4" IG Anschlüßen und zusätzliche Anschlüße für Entlüftungsventil und Lade-/Entladeventil.*
- **Colector de impulsión con detentores de doble regulación micrométrica, conexiones 3/4" F, conexiones adicionales para válvula de purga del aire y válvula para la carga/descarga.**

Code	Ways	Size	Color	Price	Class	Packaging
560002S	2	1"1/2 x 3/4" F		88,47 €	NC	1
560003S	3	1"1/2 x 3/4" F		117,32 €	NC	1
560004S	4	1"1/2 x 3/4" F		146,09 €	NC	1
560005S	5	1"1/2 x 3/4" F		174,95 €	NC	1
560006S	6	1"1/2 x 3/4" F		203,82 €	NC	1
560007S	7	1"1/2 x 3/4" F		232,57 €	NC	1
560008S	8	1"1/2 x 3/4" F		261,41 €	NC	1
560009S	9	1"1/2 x 3/4" F		290,23 €	NC	1
560010S	10	1"1/2 x 3/4" F		319,04 €	NC	1
560011S	11	1"1/2 x 3/4" F		347,85 €	NC	1
560012S	12	1"1/2 x 3/4" F		376,70 €	NC	1

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CI 554 CN



- **Collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile e attacchi EUROK.**
- *Return manifold with isolation valves with protection cap for thermostatic insert and EUROK connections.*
- **Collecteur de retour avec vannes d´interception avec capuchon de protection pour insert thermostatisable et embouts EUROK.**
- *Rücklauf-fussbodenheizungsverteilerbalken mit Absperbarenventilen mit Schutzkappe für Thermostat-Regulierorrichtung und EUROK Anschlüßen.*
- **Colector de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable y conexiones EUROK.**

Code	Ways	Size	Color	Price	Class	Packaging
501650CN	2	1" x EUROK		42,89 €	NC	12
501651CN	3	1" x EUROK		62,29 €	NC	12
501652CN	4	1" x EUROK		81,67 €	NC	8
501653CN	5	1" x EUROK		101,01 €	NC	6
501654CN	6	1" x EUROK		120,39 €	NC	6
501655CN	7	1" x EUROK		139,78 €	NC	6
501656CN	8	1" x EUROK		159,09 €	NC	6
501657CN	9	1" x EUROK		178,45 €	NC	6
501658CN	10	1" x EUROK		197,83 €	NC	6
501659CN	11	1" x EUROK		217,20 €	NC	6
501660CN	12	1" x EUROK		236,54 €	NC	6
501661CN	13	1" x EUROK		255,93 €	NC	6
400122CN	2	1"1/4 x EUROK		52,47 €	NC	12
400123CN	3	1"1/4 x EUROK		75,95 €	NC	10
400124CN	4	1"1/4 x EUROK		99,61 €	NC	8
400125CN	5	1"1/4 x EUROK		123,11 €	NC	8
400126CN	6	1"1/4 x EUROK		146,67 €	NC	6
400127CN	7	1"1/4 x EUROK		170,13 €	NC	5
400128CN	8	1"1/4 x EUROK		193,76 €	NC	5
400129CN	9	1"1/4 x EUROK		217,20 €	NC	4
400130CN	10	1"1/4 x EUROK		240,78 €	NC	4
400131CN	11	1"1/4 x EUROK		264,34 €	NC	4
400132CN	12	1"1/4 x EUROK		287,87 €	NC	4
400133CN	13	1"1/4 x EUROK		311,37 €	NC	4

CI 555 CN



- **Collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile, attacchi EUROK, attacchi supplementari per valvola di sfiato aria e valvola di carico/scarico.**
- *Return manifold with isolation valves with protection cap for thermostatic insert, EUROK connections, additional connections for air vent valve and filling/drainage valve.*
- **Collecteur de retour avec vannes d´interception avec capuchon de protection pour insert thermostatisable, embouts EUROK, embouts supplémentaires pour purgeur d´air et robinet de remplissage/vidange.**
- *Rücklauf-fussbodenheizungsverteilerbalken mit Absperbarenventilen mit Schutzkappe für Thermostat-Regulierorrichtung, EUROK Anschlüßen und zusätzliche Anschlüße für Entlüftungsventil und Lade-/Entladeventil.*
- **Colector de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable, conexiones EUROK, conexiones adicionales para válvula de purga del aire y válvula para la carga/descarga.**

Code	Ways	Size	Color	Price	Class	Packaging
500462CN	2	1" x EUROK		53,54 €	NC	12
500463CN	3	1" x EUROK		73,83 €	NC	8
500464CN	4	1" x EUROK		94,19 €	NC	6
500465CN	5	1" x EUROK		114,56 €	NC	6
500466CN	6	1" x EUROK		134,97 €	NC	6
500467CN	7	1" x EUROK		155,27 €	NC	6
500468CN	8	1" x EUROK		175,53 €	NC	6
500469CN	9	1" x EUROK		195,89 €	NC	6
500470CN	10	1" x EUROK		216,20 €	NC	6
500471CN	11	1" x EUROK		236,54 €	NC	6
500472CN	12	1" x EUROK		256,80 €	NC	6
400022CN	2	1"1/4 x EUROK		63,78 €	NC	1
400023CN	3	1"1/4 x EUROK		87,25 €	NC	1
400024CN	4	1"1/4 x EUROK		110,91 €	NC	1
400025CN	5	1"1/4 x EUROK		134,39 €	NC	1
400026CN	6	1"1/4 x EUROK		158,00 €	NC	1
400027CN	7	1"1/4 x EUROK		181,47 €	NC	1
400028CN	8	1"1/4 x EUROK		205,02 €	NC	5
400029CN	9	1"1/4 x EUROK		228,53 €	NC	8
400030CN	10	1"1/4 x EUROK		252,11 €	NC	8
400031CN	11	1"1/4 x EUROK		275,65 €	NC	8
400032CN	12	1"1/4 x EUROK		299,18 €	NC	8



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >>p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >>p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >>p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >>p. 218**



- **È possibile ordinare questo articolo in versione gialla utilizzando il medesimo codice, ma omettendo la "N" finale (prezzo su richiesta).**
- *It is possible to order this item in yellow version; please use the same reference code without the "N" at the end (price on request).*
- **Il est possible de commander cet article en version jaune en utilisant le même code, mais en omettant le "N" final (prix sur demande).**
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CI 554 C (1"1/2)



- **Collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile e attacchi 3/4" F.**
- *Return manifold with isolation valves with protection cap for thermostatic insert and 3/4" F connections.*
- **Collecteur de retour avec vannes d´interception avec capuchon de protection pour insert thermostatisable et embouts 3/4" F.**
- *Rücklauf-fussbodenheizungsverteilerbalken mit Absperbarenventilen mit Schutzkappe für Thermostat-Regulierorrichtung und 3/4" IG Anschlüßen.*
- **Colector de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable y conexiones 3/4" F.**

Code	Ways	Size	Color	Price	Class	Packaging
560042C	2	1"1/2 x 3/4" F		79,82 €	NC	1
560043C	3	1"1/2 x 3/4" F		113,37 €	NC	1
560044C	4	1"1/2 x 3/4" F		146,98 €	NC	1
560045C	5	1"1/2 x 3/4" F		180,54 €	NC	1
560046C	6	1"1/2 x 3/4" F		214,09 €	NC	1
560047C	7	1"1/2 x 3/4" F		247,67 €	NC	1
560048C	8	1"1/2 x 3/4" F		281,30 €	NC	1
560049C	9	1"1/2 x 3/4" F		314,86 €	NC	1
560050C	10	1"1/2 x 3/4" F		348,45 €	NC	1
560051C	11	1"1/2 x 3/4" F		382,02 €	NC	1
560052C	12	1"1/2 x 3/4" F		415,58 €	NC	1
560053C	13	1"1/2 x 3/4" F		449,14 €	NC	1

CI 555 C (1"1/2)



- **Collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile, attacchi 3/4" F, attacchi supplementari per valvola di sfiato aria e valvola di carico/scarico.**
- *Return manifold with isolation valves with protection cap for thermostatic insert, 3/4" F connections, additional connections for air vent valve and filling/drainage valve.*
- **Collecteur de retour avec vannes d´interception avec capuchon de protection pour insert thermostatisable, embouts 3/4" F, embouts supplémentaires pour purgeur d´air et robinet de remplissage/vidange.**
- *Rücklauf-fussbodenheizungsverteilerbalken mit Absperbarenventilen mit Schutzkappe für Thermostat-Regulierorrichtung, 3/4" IG Anschlüßen und zusätzliche Anschlüße für Entlüftungsventil und Lade-/Entladeventil.*
- **Colector de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable, conexiones 3/4" F, conexiones adicionales para válvula de purga del aire y válvula para la carga/descarga.**

Code	Ways	Size	Color	Price	Class	Packaging
560042SC	2	1"1/2 x 3/4" F		97,18 €	NC	1
560043SC	3	1"1/2 x 3/4" F		130,74 €	NC	1
560044SC	4	1"1/2 x 3/4" F		164,31 €	NC	1
560045SC	5	1"1/2 x 3/4" F		197,93 €	NC	1
560046SC	6	1"1/2 x 3/4" F		231,49 €	NC	1
560047SC	7	1"1/2 x 3/4" F		265,08 €	NC	1
560048SC	8	1"1/2 x 3/4" F		298,65 €	NC	1
560049SC	9	1"1/2 x 3/4" F		332,21 €	NC	1
560050SC	10	1"1/2 x 3/4" F		365,79 €	NC	1
560051SC	11	1"1/2 x 3/4" F		399,41 €	NC	1
560052SC	12	1"1/2 x 3/4" F		432,98 €	NC	1

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CI 554 MN



- **Collettore di ritorno con valvole di intercettazione a manovra manuale e attacchi EUROK.**
- *Return manifold with manually operated isolation valves and EUROK connections.*
- **Collecteur de retour avec vannes d´interception à manoeuvre manuelle et embouts EUROK.**
- *Rücklauf-fussbodenheizungsverteilerbalken mit Absperbarenventilen mit manueller Hebel und EUROK Anschlüßen.*
- **Colector de retorno con válvulas de cierre con cabeza manual y conexiones EUROK.**

Code	Ways	Size	Color	Price	Class	Packaging
501650MN	2	1" x EUROK		44,45 €	NC	12
501651MN	3	1" x EUROK		64,66 €	NC	12
501652MN	4	1" x EUROK		84,80 €	NC	8
501653MN	5	1" x EUROK		104,89 €	NC	6
501654MN	6	1" x EUROK		125,06 €	NC	6
501655MN	7	1" x EUROK		145,26 €	NC	6
501656MN	8	1" x EUROK		165,33 €	NC	6
501657MN	9	1" x EUROK		185,43 €	NC	6
501658MN	10	1" x EUROK		205,56 €	NC	6
501659MN	11	1" x EUROK		225,77 €	NC	6
501660MN	12	1" x EUROK		245,83 €	NC	6
501661MN	13	1" x EUROK		266,04 €	NC	6
400122MN	2	1"1/4 x EUROK		53,92 €	NC	10
400123MN	3	1"1/4 x EUROK		78,17 €	NC	8
400124MN	4	1"1/4 x EUROK		102,55 €	NC	8
400125MN	5	1"1/4 x EUROK		126,81 €	NC	6
400126MN	6	1"1/4 x EUROK		151,09 €	NC	6
400127MN	7	1"1/4 x EUROK		175,34 €	NC	5
400128MN	8	1"1/4 x EUROK		199,64 €	NC	5
400129MN	9	1"1/4 x EUROK		223,88 €	NC	5
400130MN	10	1"1/4 x EUROK		248,22 €	NC	5
400131MN	11	1"1/4 x EUROK		272,52 €	NC	5
400132MN	12	1"1/4 x EUROK		296,76 €	NC	5
400133MN	13	1"1/4 x EUROK		320,98 €	NC	5

CI 555 MN



- **Collettore di ritorno con valvole di intercettazione a manovra manuale, attacchi EUROK, attacchi supplementari per valvola di sfiato aria e valvola di carico/scarico.**
- *Return manifold with manually operated isolation valves, EUROK connections, additional connections for air vent valve and filling/ drainage valve.*
- **Collecteur de retour avec vannes d´interception à manoeuvre manuelle, embouts EUROK, embouts supplémentaires pour purgeur d´air et robinet de remplissage/vidange.**
- *Rücklauf-fussbodenheizungsverteilerbalken mit Absperbarenventilen mit manueller Hebel, EUROK Anschlüßen und zusätzliche Anschlüße für Entlüftungsventil und Lade-/Entladeventil.*
- **Colector de retorno con válvulas de cierre con cabeza manual, conexiones EUROK, conexiones adicionales para válvula de purga del aire y válvula para la carga/descarga.**

Code	Ways	Size	Color	Price	Class	Packaging
500462MN	2	1" x EUROK		52,51 €	NC	12
500463MN	3	1" x EUROK		72,73 €	NC	8
500464MN	4	1" x EUROK		92,85 €	NC	6
500465MN	5	1" x EUROK		113,00 €	NC	6
500466MN	6	1" x EUROK		133,13 €	NC	6
500467MN	7	1" x EUROK		153,34 €	NC	6
500468MN	8	1" x EUROK		173,40 €	NC	6
500469MN	9	1" x EUROK		193,50 €	NC	6
500470MN	10	1" x EUROK		213,67 €	NC	6
500471MN	11	1" x EUROK		233,89 €	NC	6
500472MN	12	1" x EUROK		253,93 €	NC	6
400022MN	2	1"1/4 x EUROK		65,26 €	NC	8
400023MN	3	1"1/4 x EUROK		89,48 €	NC	1
400024MN	4	1"1/4 x EUROK		113,87 €	NC	1
400025MN	5	1"1/4 x EUROK		138,12 €	NC	1
400026MN	6	1"1/4 x EUROK		162,40 €	NC	1
400027MN	7	1"1/4 x EUROK		186,66 €	NC	1
400028MN	8	1"1/4 x EUROK		210,96 €	NC	5
400029MN	9	1"1/4 x EUROK		235,20 €	NC	5
400030MN	10	1"1/4 x EUROK		259,54 €	NC	5
400031MN	11	1"1/4 x EUROK		283,82 €	NC	5
400032MN	12	1"1/4 x EUROK		308,08 €	NC	5



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >>p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >>p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >>p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >>p. 218**



- **È possibile ordinare questo articolo in versione gialla utilizzando il medesimo codice, ma omettendo la "N" finale (prezzo su richiesta).**
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- **Il est possible de commander cet article en version jaune en utilisant le même code, mais en omettant le "N" final (prix sur demande).**
- *Gelbe Ausführung verfügbar. Dieselbe o.g. Bestellnummer aber bitte „N" am Ende weglassen (Preis auf Anfrage).*
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CI 554 M (1"1/2)



- **Collettore di ritorno con valvole di intercettazione a manovra manuale e attacchi 3/4" F.**
- *Return manifold with manually operated isolation valves and 3/4" F connections.*
- **Collecteur de retour avec vannes d´interception à manoeuvre manuelle et embouts 3/4" F.**
- *Rücklauf-fussbodenheizungsverteilerbalken mit Absperbarenventilen mit manueller Hebel und 3/4" IG Anschlüßen.*
- **Colector de retorno con válvulas de cierre con cabeza manual y conexiones 3/4" F.**

Code	Ways	Size	Color	Price	Class	Packaging
560042M	2	1"1/2 x 3/4" F		81,42 €	NC	1
560043M	3	1"1/2 x 3/4" F		115,78 €	NC	1
560044M	4	1"1/2 x 3/4" F		150,15 €	NC	1
560045M	5	1"1/2 x 3/4" F		184,52 €	NC	1
560046M	6	1"1/2 x 3/4" F		218,90 €	NC	1
560047M	7	1"1/2 x 3/4" F		253,32 €	NC	1
560048M	8	1"1/2 x 3/4" F		287,65 €	NC	1
560049M	9	1"1/2 x 3/4" F		322,06 €	NC	1
560050M	10	1"1/2 x 3/4" F		356,40 €	NC	1
560051M	11	1"1/2 x 3/4" F		390,79 €	NC	1
560052M	12	1"1/2 x 3/4" F		425,21 €	NC	1
560053M	13	1"1/2 x 3/4" F		459,54 €	NC	1

CI 555 M (1"1/2)



- **Collettore di ritorno con valvole di intercettazione a manovra manuale, attacchi 3/4" F, attacchi supplementari per valvola di sfiato aria e valvola di carico/scarico.**
- *Return manifold with manually operated isolation valves, 3/4" F connections, additional connections for air vent valve and filling/ drainage valve.*
- **Collecteur de retour avec vannes d´interception à manoeuvre manuelle, embouts 3/4" F, embouts supplémentaires pour purgeur d´air et robinet de remplissage/vidange.**
- *Rücklauf-fussbodenheizungsverteilerbalken mit Absperbarenventilen mit manueller Hebel, 3/4" IG Anschlüßen und zusätzliche Anschlüße für Entlüftungsventil und Lade-/Entladeventil.*
- **Colector de retorno con válvulas de cierre con cabeza manual, conexiones 3/4" F, conexiones adicionales para válvula de purga del aire y válvula para la carga/descarga.**

Code	Ways	Size	Color	Price	Class	Packaging
560042SM	2	1"1/2 x 3/4" F		98,76 €	NC	1
560043SM	3	1"1/2 x 3/4" F		133,16 €	NC	1
560044SM	4	1"1/2 x 3/4" F		167,52 €	NC	1
560045SM	5	1"1/2 x 3/4" F		201,92 €	NC	1
560046SM	6	1"1/2 x 3/4" F		236,26 €	NC	1
560047SM	7	1"1/2 x 3/4" F		270,65 €	NC	1
560048SM	8	1"1/2 x 3/4" F		305,05 €	NC	1
560049SM	9	1"1/2 x 3/4" F		339,41 €	NC	1
560050SM	10	1"1/2 x 3/4" F		373,80 €	NC	1
560051SM	11	1"1/2 x 3/4" F		408,18 €	NC	1
560052SM	12	1"1/2 x 3/4" F		442,54 €	NC	1

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- **Collettore semplice.**
- *Plain manifold.*
- **Collecteur simple.**
- *Verteilerbalken.*
- **Colector simple.**

Code	Ways	Size	Color	Price	Class	Packaging
500032	2	3/4" x 1/2" F		15,98 €	NA	45
500033	3	3/4" x 1/2" F		21,88 €	NA	30
500034	4	3/4" x 1/2" F		27,66 €	NA	30
500035	5	3/4" x 1/2" F		33,56 €	NA	30
500036	6	3/4" x 1/2" F		39,47 €	NA	20
500037	7	3/4" x 1/2" F		45,37 €	NA	20
500038	8	3/4" x 1/2" F		51,17 €	NA	20
500039	9	3/4" x 1/2" F		57,07 €	NA	20
500040	10	3/4" x 1/2" F		62,97 €	NA	20
500041	11	3/4" x 1/2" F		68,88 €	NA	18
500042	12	3/4" x 1/2" F		74,68 €	NA	18
501402	2	1" x 1/2" F		18,42 €	NA	64
501403	3	1" x 1/2" F		25,74 €	NA	40
501404	4	1" x 1/2" F		32,96 €	NA	32
501405	5	1" x 1/2" F		40,28 €	NA	25
501406	6	1" x 1/2" F		47,49 €	NA	24
501407	7	1" x 1/2" F		54,79 €	NA	15
501408	8	1" x 1/2" F		62,12 €	NA	15
501409	9	1" x 1/2" F		69,38 €	NA	15
501410	10	1" x 1/2" F		76,67 €	NA	15
501411	11	1" x 1/2" F		83,94 €	NA	15
501412	12	1" x 1/2" F		91,22 €	NA	15
501413	13	1" x 1/2" F		98,54 €	NA	15
500792	2	1"1/4 x 1/2" F		31,46 €	NA	10
500793	3	1"1/4 x 1/2" F		41,79 €	NA	10
500794	4	1"1/4 x 1/2" F		52,11 €	NA	10
500795	5	1"1/4 x 1/2" F		62,43 €	NA	8
500796	6	1"1/4 x 1/2" F		72,76 €	NA	8
500797	7	1"1/4 x 1/2" F		83,08 €	NA	10
500798	8	1"1/4 x 1/2" F		93,41 €	NA	10
500799	9	1"1/4 x 1/2" F		103,73 €	NA	8
500800	10	1"1/4 x 1/2" F		114,05 €	NA	8
500801	11	1"1/4 x 1/2" F		124,38 €	NA	8
500802	12	1"1/4 x 1/2" F		134,70 €	NA	8
500803	13	1"1/4 x 1/2" F		145,03 €	NA	8

CS 500 (1"1/2)



- **Collettore semplice.**
- *Plain manifold.*
- **Collecteur simple.**
- *Verteilerbalken.*
- **Colector simple.**

Code	Ways	Size	Color	Price	Class	Packaging
560022	2	1"1/2 x 3/4" F		49,55 €	NA	1
560023	3	1"1/2 x 3/4" F		67,71 €	NA	1
560024	4	1"1/2 x 3/4" F		85,83 €	NA	1
560025	5	1"1/2 x 3/4" F		103,99 €	NA	1
560026	6	1"1/2 x 3/4" F		122,07 €	NA	1
560027	7	1"1/2 x 3/4" F		140,26 €	NA	1
560028	8	1"1/2 x 3/4" F		158,30 €	NA	1
560029	9	1"1/2 x 3/4" F		176,47 €	NA	1
560030	10	1"1/2 x 3/4" F		194,60 €	NA	1
560031	11	1"1/2 x 3/4" F		212,68 €	NA	1
560032	12	1"1/2 x 3/4" F		230,80 €	NA	1
560033	13	1"1/2 x 3/4" F		249,01 €	NA	1

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CS 501



- **Collettore semplice con attacco supplementare per valvola di sfiato aria.**
- *Plain manifold with additional connection for air vent valve.*
- **Collecteur simple avec embout supplémentaire pour purgeur d´air.**
- *Verteilerbalken mit zusätzliche Bohrung für Entlüftungsventil.*
- **Colector de distribución con conexión adicional para válvula de purga del aire.**

Code	Ways	Size	Color	Price	Class	Packaging
507002	2	1" x 1/2" F		18,42 €	NA	64
507003	3	1" x 1/2" F		25,74 €	NA	48
507004	4	1" x 1/2" F		32,96 €	NA	32
507005	5	1" x 1/2" F		40,28 €	NA	25
507006	6	1" x 1/2" F		47,49 €	NA	24
507007	7	1" x 1/2" F		54,79 €	NA	15
507008	8	1" x 1/2" F		62,12 €	NA	15
507009	9	1" x 1/2" F		69,38 €	NA	15
507010	10	1" x 1/2" F		76,67 €	NA	15
507011	11	1" x 1/2" F		83,94 €	NA	15
507012	12	1" x 1/2" F		91,22 €	NA	15
507013	13	1" x 1/2" F		98,54 €	NA	15
400362	2	1"1/4 x 1/2" F		37,75 €	NA	12
400363	3	1"1/4 x 1/2" F		47,96 €	NA	12
400364	4	1"1/4 x 1/2" F		58,17 €	NA	10
400365	5	1"1/4 x 1/2" F		68,38 €	NA	10
400366	6	1"1/4 x 1/2" F		78,58 €	NA	10
400367	7	1"1/4 x 1/2" F		88,79 €	NA	10
400368	8	1"1/4 x 1/2" F		99,00 €	NA	10
400369	9	1"1/4 x 1/2" F		109,21 €	NA	8
400370	10	1"1/4 x 1/2" F		119,42 €	NA	8
400371	11	1"1/4 x 1/2" F		129,62 €	NA	8
400372	12	1"1/4 x 1/2" F		139,83 €	NA	8
400373	13	1"1/4 x 1/2" F		150,04 €	NA	8

CS 501 (1"1/2)



- **Collettore semplice con attacco supplementare per valvola di sfiato aria.**
- *Plain manifold with additional connection for air vent valve.*
- **Collecteur simple avec embout supplémentaire pour purgeur d´air.**
- *Verteilerbalken mit zusätzliche Bohrung für Entlüftungsventil.*
- **Colector de distribución con conexión adicional para válvula de purga del aire.**

Code	Ways	Size	Color	Price	Class	Packaging
560022S	2	1"1/2 x 3/4" F		49,55 €	NA	1
560023S	3	1"1/2 x 3/4" F		67,71 €	NA	1
560024S	4	1"1/2 x 3/4" F		85,83 €	NA	1
560025S	5	1"1/2 x 3/4" F		103,99 €	NA	1
560026S	6	1"1/2 x 3/4" F		122,07 €	NA	1
560027S	7	1"1/2 x 3/4" F		140,26 €	NA	1
560028S	8	1"1/2 x 3/4" F		158,30 €	NA	1
560029S	9	1"1/2 x 3/4" F		176,47 €	NA	1
560030S	10	1"1/2 x 3/4" F		194,60 €	NA	1
560031S	11	1"1/2 x 3/4" F		212,68 €	NA	1
560032S	12	1"1/2 x 3/4" F		230,80 €	NA	1
560033S	13	1"1/2 x 3/4" F		249,01 €	NA	1

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CS 502



- **Collettore semplice con attacchi EUROK.**
- *Plain manifold with EUROK connections.*
- **Collecteur simple avec embouts EUROK.**
- *Verteilerbalken mit EUROK Anschlussnippeln.*
- **Colector simple con conexiones EUROK.**

Code	Ways	Size	Color	Price	Class	Packaging
400812	2	3/4 x EUROK		22,50 €	NA	50
400813	3	3/4 x EUROK		31,61 €	NA	38
400814	4	3/4 x EUROK		40,72 €	NA	25
400815	5	3/4 x EUROK		49,83 €	NA	22
400816	6	3/4 x EUROK		58,94 €	NA	18
400817	7	3/4 x EUROK		68,05 €	NA	16
400818	8	3/4 x EUROK		77,16 €	NA	16
400819	9	3/4 x EUROK		86,27 €	NA	14
400820	10	3/4 x EUROK		95,38 €	NA	14
400821	11	3/4 x EUROK		104,49 €	NA	14
400822	12	3/4 x EUROK		113,60 €	NA	14
400392	2	1" x EUROK		25,53 €	NA	35
400393	3	1" x EUROK		36,22 €	NA	28
400394	4	1" x EUROK		47,01 €	NA	20
400395	5	1" x EUROK		57,68 €	NA	15
400396	6	1" x EUROK		68,37 €	NA	15
400397	7	1" x EUROK		79,09 €	NA	12
400398	8	1" x EUROK		89,85 €	NA	12
400399	9	1" x EUROK		100,57 €	NA	12
400400	10	1" x EUROK		111,26 €	NA	12
400401	11	1" x EUROK		121,99 €	NA	10
400402	12	1" x EUROK		132,73 €	NA	10
400403	13	1" x EUROK		143,40 €	NA	10
400432	2	1"1/4 x EUROK		42,90 €	NA	10
400433	3	1"1/4 x EUROK		56,01 €	NA	10
400434	4	1"1/4 x EUROK		69,12 €	NA	8
400435	5	1"1/4 x EUROK		82,24 €	NA	10
400436	6	1"1/4 x EUROK		95,35 €	NA	6
400437	7	1"1/4 x EUROK		108,46 €	NA	6
400438	8	1"1/4 x EUROK		121,57 €	NA	6
400439	9	1"1/4 x EUROK		134,68 €	NA	6
400440	10	1"1/4 x EUROK		147,80 €	NA	6
400441	11	1"1/4 x EUROK		160,91 €	NA	5
400442	12	1"1/4 x EUROK		174,02 €	NA	5
400443	13	1"1/4 x EUROK		187,13 €	NA	5

CS 536 B (1"1/2)



- **Collettore semplice con tappo e valvole di intercettazione a sfera (blu) sulle uscite.**
- *Plain manifold with plug and isolation ball valves (blue) on the outlets.*
- **Collecteur simple avec bouchon et vannes d´interception à bille (bleu) sur les sorties.**
- *Verteilerbalken mit Verschluss und Kugelabsperbarenventilen (blau) an den Abgängen.*
- **Colector simple con tapon y válvulas de cierre de bola (azul) en las salidas.**

Code	Ways	Size	Color	Price	Class	Packaging
506672B	2	1"1/2 x 3/4" F		140,00 €	N3	1
506673B	3	1"1/2 x 3/4" F		187,50 €	N3	1
506674B	4	1"1/2 x 3/4" F		235,00 €	N3	1
506675B	5	1"1/2 x 3/4" F		282,50 €	N3	1
506676B	6	1"1/2 x 3/4" F		330,50 €	N3	1
506677B	7	1"1/2 x 3/4" F		378,00 €	N3	1
506678B	8	1"1/2 x 3/4" F		425,50 €	N3	1

CS 536 R (1"1/2)



- **Collettore semplice con tappo e valvole di intercettazione a sfera (rosse) sulle uscite.**
- *Plain manifold with plug and isolation ball valves (red) on the outlets.*
- **Collecteur simple avec bouchon et vannes d´interception à bille (rouge) sur les sorties.**
- *Verteilerbalken mit Verschluss und Kugelabsperbarenventilen (rot) an den Abgängen.*
- **Colector simple con tapon y válvulas de cierre de bola (rojo) en las salidas.**

Code	Ways	Size	Color	Price	Class	Packaging
506672R	2	1"1/2 x 3/4" F		140,00 €	N3	1
506673R	3	1"1/2 x 3/4" F		187,50 €	N3	1
506674R	4	1"1/2 x 3/4" F		235,00 €	N3	1
506675R	5	1"1/2 x 3/4" F		282,50 €	N3	1
506676R	6	1"1/2 x 3/4" F		330,50 €	N3	1
506677R	7	1"1/2 x 3/4" F		378,00 €	N3	1
506678R	8	1"1/2 x 3/4" F		425,50 €	N3	1

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KSA 036 (1"1/2)



- **Kit collettori semplici con staffe, tappi e attacchi con valvole di intercettazione a sfera.**
- *Plain manifolds kit with brackets, plugs and connections with isolation ball valves.*
- **Kit de collecteurs simples avec étriers, bouchons et embouts avec vannes d´interception à bille.**
- *Heizkörper-verteiler-kit mit Haltebügeln, Verschlüssen und Kugelabsperbarenventilen.*
- **Conjunto de colectores simples con abrazaderas, tapones y conexiones con válvulas de interceptación de bola.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
KSA0036B02	2	1"1/2 x 3/4" F	130 mm	200089	500 mm		325,45 €	N3	1
KSA0036B03	3	1"1/2 x 3/4" F	130 mm	200089	500 mm		420,63 €	N3	1
KSA0036B04	4	1"1/2 x 3/4" F	130 mm	200089	500 mm		515,57 €	N3	1
KSA0036B05	5	1"1/2 x 3/4" F	130 mm	200089	500 mm		610,77 €	N3	1
KSA0036B06	6	1"1/2 x 3/4" F	130 mm	200590	600 mm		705,96 €	N3	1
KSA0036B07	7	1"1/2 x 3/4" F	130 mm	200590	600 mm		801,01 €	N3	1
KSA0036B08	8	1"1/2 x 3/4" F	130 mm	200090	700 mm		896,23 €	N3	1
KSA0036B09	9	1"1/2 x 3/4" F	130 mm	200090	700 mm		991,16 €	N3	1
KSA0036B10	10	1"1/2 x 3/4" F	130 mm	200690	800 mm		1.086,35 €	N3	1
KSA0036B11	11	1"1/2 x 3/4" F	130 mm	200690	800 mm		1.181,28 €	N3	1
KSA0036B12	12	1"1/2 x 3/4" F	130 mm	200190	900 mm		1.276,47 €	N3	1
KSA0036B13	13	1"1/2 x 3/4" F	130 mm	200190	900 mm		1.371,64 €	N3	1

KSA 037 (1"1/2)



- **Kit collettori semplici con staffe, valvole a sfera diritte con bocchettone, valvole di carico/scarico, valvole di sfiato aria, tappi e attacchi con valvole di intercettazione a sfera.**
- *Plain manifolds kit with brackets, straight ball valves with fitting, filling/drainage valves, air vent valves, plugs and connections with isolation ball valves.*
- **Kit de collecteurs simples avec étriers, vannes à bille droites avec raccord, robinets de remplissage/vidange, purgeurs d'air, bouchons et embouts avec vannes d´interception à bille.**
- *Heizkörper-verteiler-kit mit Haltebügeln, Durchgangs-Kugelventilen mit Verschraubung, Lade-/Entladeventilen, Entlüftungsventilen, Verschlüssen und Kugelabsperbarenventilen.*
- **Conjunto de colectores simples con abrazaderas, válvulas de bola rectas con manguito de unión, válvulas para la carga/descarga, válvulas de purga de aire, tapones y conexiones con válvulas de interceptación de bola.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
KSA0037B02	2	1"1/2 x 3/4" F	130 mm	200089	500 mm		761,64 €	N3	1
KSA0037B03	3	1"1/2 x 3/4" F	130 mm	200590	600 mm		856,82 €	N3	1
KSA0037B04	4	1"1/2 x 3/4" F	130 mm	200590	600 mm		951,75 €	N3	1
KSA0037B05	5	1"1/2 x 3/4" F	130 mm	200090	700 mm		1.046,93 €	N3	1
KSA0037B06	6	1"1/2 x 3/4" F	130 mm	200090	700 mm		1.142,14 €	N3	1
KSA0037B07	7	1"1/2 x 3/4" F	130 mm	200690	800 mm		1.237,11 €	N3	1
KSA0037B08	8	1"1/2 x 3/4" F	130 mm	200690	800 mm		1.332,27 €	N3	1
KSA0037B09	9	1"1/2 x 3/4" F	130 mm	200190	900 mm		1.427,33 €	N3	1
KSA0037B10	10	1"1/2 x 3/4" F	130 mm	200190	900 mm		1.522,44 €	N3	1
KSA0037B11	11	1"1/2 x 3/4" F	130 mm	200790	1000 mm		1.617,47 €	N3	1
KSA0037B12	12	1"1/2 x 3/4" F	130 mm	200790	1000 mm		1.712,66 €	N3	1



- **Cassetta non inclusa >>p. 204,322,395,493**
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- *Kasten nicht enthalten >>p. 204,322,395,493*
- **Caja no incluida >>p. 204,322,395,493**

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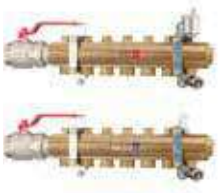
KSA 005 (1"1/2)



- **Kit composto da collettori di mandata e ritorno con detentori a doppia regolazione micrometrica, staffe, tappi e attacchi 3/4" F.**
- *Kit made of flow and return manifolds with double micrometric adjustment lockshields, brackets, plugs and 3/4" F connections.*
- **Kit composé de collecteurs d'envoi et de retour avec inserts à double réglage micrometrique, étriers, bouchons et embouts 3/4" F.**
- *Bausatz besteht aus Zulauffus- und Rücklaufverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Haltebügeln, Verschlüssen und 3/4" IG Anschlüßen.*
- **Conjunto dotado de colectores de impulsión y de retorno con detentores de doble regulación micrométrica, abrazaderas, tapones y conexiones 3/4" F.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
KSA0005B02	2	1"1/2 x 3/4" F	120 mm	200089	500 mm		255,99 €	N3	1
KSA0005B03	3	1"1/2 x 3/4" F	120 mm	200089	500 mm		319,48 €	N3	1
KSA0005B04	4	1"1/2 x 3/4" F	120 mm	200089	500 mm		382,74 €	N3	1
KSA0005B05	5	1"1/2 x 3/4" F	120 mm	200089	500 mm		446,23 €	N3	1
KSA0005B06	6	1"1/2 x 3/4" F	120 mm	200590	600 mm		509,73 €	N3	1
KSA0005B07	7	1"1/2 x 3/4" F	120 mm	200590	600 mm		573,11 €	N3	1
KSA0005B08	8	1"1/2 x 3/4" F	120 mm	200090	700 mm		636,61 €	N3	1
KSA0005B09	9	1"1/2 x 3/4" F	120 mm	200090	700 mm		699,88 €	N3	1
KSA0005B10	10	1"1/2 x 3/4" F	120 mm	200690	800 mm		763,38 €	N3	1
KSA0005B11	11	1"1/2 x 3/4" F	120 mm	200690	800 mm		826,62 €	N3	1
KSA0005B12	12	1"1/2 x 3/4" F	120 mm	200190	900 mm		890,11 €	N3	1
KSA0005B13	13	1"1/2 x 3/4" F	120 mm	200190	900 mm		953,61 €	N3	1

KSA 003 (1"1/2)



- **Kit composto da collettori di mandata e ritorno con detentori a doppia regolazione micrometrica, staffe, valvole a sfera diritte con bocchettone, valvole di carico/scarico, valvole di sfiato aria, tappi e attacchi 3/4" F.**
- *Kit made of flow and return manifolds with double micrometric adjustment lockshields, brackets, straight ball valves with fitting, filling/drainage valves, air vent valves, plugs and 3/4" F connections.*
- **Kit composé de collecteurs d'envoi et de retour avec inserts à double réglage micrometrique, étriers, vannes à bille droites avec raccord, robinets de remplissage/vidange, purgeurs d'air, bouchons et embouts 3/4" F.**
- *Bausatz besteht aus Zulauffus- und Rücklaufverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Haltebügeln, Durchgangs-Kugelventilen mit Verschraubung, Lade-/Entladeventilen, Entlüftungsventilen, Verschlüssen und 3/4" IG Anschlüßen.*
- **Conjunto dotado de colectores de impulsión y de retorno con detentores de doble regulación micrométrica, abrazaderas, válvulas de bola rectas con manguito de unión, válvulas para la carga/descarga, válvulas de purga de aire, tapones y conexiones 3/4" F.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
KSA0003B02	2	1"1/2 x 3/4" F	120 mm	200089	500 mm		672,56 €	N3	1
KSA0003B03	3	1"1/2 x 3/4" F	120 mm	200590	600 mm		736,06 €	N3	1
KSA0003B04	4	1"1/2 x 3/4" F	120 mm	200590	600 mm		799,33 €	N3	1
KSA0003B05	5	1"1/2 x 3/4" F	120 mm	200090	700 mm		862,80 €	N3	1
KSA0003B06	6	1"1/2 x 3/4" F	120 mm	200090	700 mm		926,29 €	N3	1
KSA0003B07	7	1"1/2 x 3/4" F	120 mm	200690	800 mm		989,59 €	N3	1
KSA0003B08	8	1"1/2 x 3/4" F	120 mm	200690	800 mm		1.053,06 €	N3	1
KSA0003B09	9	1"1/2 x 3/4" F	120 mm	200190	900 mm		1.116,44 €	N3	1
KSA0003B10	10	1"1/2 x 3/4" F	120 mm	200190	900 mm		1.179,84 €	N3	1
KSA0003B11	11	1"1/2 x 3/4" F	120 mm	200790	1000 mm		1.243,19 €	N3	1
KSA0003B12	12	1"1/2 x 3/4" F	120 mm	200790	1000 mm		1.306,69 €	N3	1



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KSA 034 (1"1/2)



- **Kit composto da collettore di mandata con detentori a doppia regolazione micrometrica, collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, tappi e attacchi 3/4" F.**
- *Kit made of flow manifold with double micrometric adjustment lockshields, return manifold with manually operated isolation valves, brackets, plugs and 3/4" F connections.*
- **Kit composé d'un collecteur d'envoi avec inserts à double réglage micrometrique, un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, bouchons et embouts 3/4" F.**
- *Bausatz besteht aus Zulauffusverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln, Verschlüssen und 3/4" IG Anschlüßen.*
- **Conjunto dotado de colector de impulsión con detentores de doble regulación micrométrica, colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, tapones y conexiones 3/4" F.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
KSA0034B02	2	1"1/2 x 3/4" F	120 mm	200089	500 mm		266,94 €	N3	1
KSA0034B03	3	1"1/2 x 3/4" F	120 mm	200089	500 mm		335,93 €	N3	1
KSA0034B04	4	1"1/2 x 3/4" F	120 mm	200089	500 mm		404,66 €	N3	1
KSA0034B05	5	1"1/2 x 3/4" F	120 mm	200089	500 mm		473,65 €	N3	1
KSA0034B06	6	1"1/2 x 3/4" F	120 mm	200590	600 mm		542,64 €	N3	1
KSA0034B07	7	1"1/2 x 3/4" F	120 mm	200590	600 mm		611,50 €	N3	1
KSA0034B08	8	1"1/2 x 3/4" F	120 mm	200090	700 mm		680,49 €	N3	1
KSA0034B09	9	1"1/2 x 3/4" F	120 mm	200090	700 mm		749,22 €	N3	1
KSA0034B10	10	1"1/2 x 3/4" F	120 mm	200690	800 mm		818,20 €	N3	1
KSA0034B11	11	1"1/2 x 3/4" F	120 mm	200690	800 mm		886,94 €	N3	1
KSA0034B12	12	1"1/2 x 3/4" F	120 mm	200190	900 mm		955,91 €	N3	1
KSA0034B13	13	1"1/2 x 3/4" F	120 mm	200190	900 mm		1.024,88 €	N3	1

KSA 035 (1"1/2)



- **Kit composto da collettore di mandata con detentori a doppia regolazione micrometrica, collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, valvole a sfera diritte con bocchettone, valvole di carico/scarico, valvole di sfiato aria, tappi e attacchi 3/4" F.**
- *Kit made of flow manifold with double micrometric adjustment lockshields, return manifold with manually operated isolation valves, brackets, straight ball valves with fitting, filling/drainage valves, air vent valves, plugs and 3/4" F connections.*
- **Kit composé d'un collecteur d'envoi avec inserts à double réglage micrometrique, un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, vannes à bille droites avec raccord, robinets de remplissage/vidange, purgeurs d'air, bouchons et embouts 3/4" F.**
- *Bausatz besteht aus Zulauffusverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln, Durchgangs-Kugelventilen mit Verschraubung, Lade-/Entladeventilen, Entlüftungsventilen, Verschlüssen und 3/4" IG Anschlüßen.*
- **Conjunto dotado de colector de impulsión con detentores de doble regulación micrométrica, colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, válvulas de bola rectas con manguito de unión, válvulas para la carga/descarga, válvulas de purga de aire, tapones y conexiones 3/4" F.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
KSA0035B02	2	1"1/2 x 3/4" F	120 mm	200089	500 mm		683,54 €	N3	1
KSA0035B03	3	1"1/2 x 3/4" F	120 mm	200590	600 mm		752,52 €	N3	1
KSA0035B04	4	1"1/2 x 3/4" F	120 mm	200590	600 mm		821,25 €	N3	1
KSA0035B05	5	1"1/2 x 3/4" F	120 mm	200090	700 mm		890,23 €	N3	1
KSA0035B06	6	1"1/2 x 3/4" F	120 mm	200090	700 mm		959,19 €	N3	1
KSA0035B07	7	1"1/2 x 3/4" F	120 mm	200690	800 mm		1.027,97 €	N3	1
KSA0035B08	8	1"1/2 x 3/4" F	120 mm	200690	800 mm		1.096,92 €	N3	1
KSA0035B09	9	1"1/2 x 3/4" F	120 mm	200190	900 mm		1.165,78 €	N3	1
KSA0035B10	10	1"1/2 x 3/4" F	120 mm	200190	900 mm		1.234,68 €	N3	1
KSA0035B11	11	1"1/2 x 3/4" F	120 mm	200790	1000 mm		1.303,51 €	N3	1
KSA0035B12	12	1"1/2 x 3/4" F	120 mm	200790	1000 mm		1.372,49 €	N3	1



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CI 562 CN



- **Kit composto da collettore di mandata con detentori a doppia regolazione micrometrica, collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile, staffe e attacchi EUROK.**
- *Kit made of flow manifold with double micrometric adjustment lockshields, return manifold with isolation valves with protection cap for thermostatic insert, brackets and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec inserts à double réglage micrometrique, un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatisable, étriers et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Rücklaufverteiler mit Absperbarenventilen mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con detentores de doble regulación micrométrica, colector de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable, abrazaderas y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
400242CNP80	2	1" x EUROK	80 mm	200086	500 mm		100,72 €	NC	1
400243CNP80	3	1" x EUROK	80 mm	200086	500 mm		136,78 €	NC	1
400244CNP80	4	1" x EUROK	80 mm	200086	500 mm		172,77 €	NC	1
400245CNP80	5	1" x EUROK	80 mm	200086	500 mm		208,67 €	NC	1
400246CNP80	6	1" x EUROK	80 mm	200086	500 mm		244,71 €	NC	1
400247CNP80	7	1" x EUROK	80 mm	200086	500 mm		280,71 €	NC	1
400248CNP80	8	1" x EUROK	80 mm	200086	500 mm		316,65 €	NC	1
400249CNP80	9	1" x EUROK	80 mm	200686	600 mm		352,71 €	NC	1
400250CNP80	10	1" x EUROK	80 mm	200686	600 mm		388,65 €	NC	1
400251CNP80	11	1" x EUROK	80 mm	200186	700 mm		424,71 €	NC	1
400252CNP80	12	1" x EUROK	80 mm	200186	700 mm		460,67 €	NC	1
400253CNP80	13	1" x EUROK	80 mm	200786	800 mm		496,76 €	NC	1
400242CN	2	1" x EUROK	110 mm	200086	500 mm		100,72 €	NC	1
400243CN	3	1" x EUROK	110 mm	200086	500 mm		136,78 €	NC	1
400244CN	4	1" x EUROK	110 mm	200086	500 mm		172,77 €	NC	1
400245CN	5	1" x EUROK	110 mm	200086	500 mm		208,67 €	NC	1
400246CN	6	1" x EUROK	110 mm	200086	500 mm		244,71 €	NC	1
400247CN	7	1" x EUROK	110 mm	200086	500 mm		280,71 €	NC	1
400248CN	8	1" x EUROK	110 mm	200086	500 mm		316,65 €	NC	1
400249CN	9	1" x EUROK	110 mm	200686	600 mm		352,71 €	NC	1
400250CN	10	1" x EUROK	110 mm	200686	600 mm		388,65 €	NC	1
400251CN	11	1" x EUROK	110 mm	200186	700 mm		424,71 €	NC	1
400252CN	12	1" x EUROK	110 mm	200186	700 mm		460,67 €	NC	1
400253CN	13	1" x EUROK	110 mm	200786	800 mm		496,76 €	NC	1
400282CN	2	1"1/4 x EUROK	110 mm	200086	500 mm		118,84 €	NC	1
400283CN	3	1"1/4 x EUROK	110 mm	200086	500 mm		162,56 €	NC	1
400284CN	4	1"1/4 x EUROK	110 mm	200086	500 mm		206,43 €	NC	1
400285CN	5	1"1/4 x EUROK	110 mm	200086	500 mm		250,15 €	NC	1
400286CN	6	1"1/4 x EUROK	110 mm	200086	500 mm		294,08 €	NC	1
400287CN	7	1"1/4 x EUROK	110 mm	200086	500 mm		337,73 €	NC	1
400288CN	8	1"1/4 x EUROK	110 mm	200086	500 mm		381,67 €	NC	1
400289CN	9	1"1/4 x EUROK	110 mm	200686	600 mm		425,35 €	NC	1
400290CN	10	1"1/4 x EUROK	110 mm	200686	600 mm		469,13 €	NC	1
400291CN	11	1"1/4 x EUROK	110 mm	200186	700 mm		512,99 €	NC	1
400292CN	12	1"1/4 x EUROK	110 mm	200186	700 mm		556,72 €	NC	1
400293CN	13	1"1/4 x EUROK	110 mm	200786	800 mm		600,44 €	NC	1



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >>p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >>p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >>p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >>p. 218**



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
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CI 594 CN



- **Kit composto da collettore di mandata con detentori a doppia regolazione micrometrica, collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile, staffe, attacchi supplementari per valvole di carico/scarico e valvole di sfiato aria, attacchi EUROK.**
- *Kit made of flow manifold with double micrometric adjustment lockshields, return manifold with isolation valves with protection cap for thermostatic insert, brackets, additional connections for filling/drainage valves and air vent valves, EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec inserts à double réglage micrometrique, un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatisable, étriers, embouts supplémentaires pour robinets de remplissage/vidange et purgeurs d'air, embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Rücklaufverteiler mit Absperbarenventilen mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln, zusätzliche Anschlüße für Lade-/Entladeventile und Entlüftungsventile, EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con detentores de doble regulación micrométrica, colector de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable, abrazaderas, conexiones adicionales para válvulas para la carga/descarga y válvulas de purga de aire, conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
500922CNP80	2	1" x EUROK	80 mm	200086	500 mm		116,89 €	NC	1
500923CNP80	3	1" x EUROK	80 mm	200086	500 mm		152,93 €	NC	1
500924CNP80	4	1" x EUROK	80 mm	200086	500 mm		188,94 €	NC	1
500925CNP80	5	1" x EUROK	80 mm	200086	500 mm		224,84 €	NC	1
500926CNP80	6	1" x EUROK	80 mm	200086	500 mm		260,84 €	NC	1
500927CNP80	7	1" x EUROK	80 mm	200086	500 mm		296,91 €	NC	1
500928CNP80	8	1" x EUROK	80 mm	200086	500 mm		332,85 €	NC	1
500929CNP80	9	1" x EUROK	80 mm	200686	600 mm		368,90 €	NC	1
500930CNP80	10	1" x EUROK	80 mm	200686	600 mm		404,85 €	NC	1
500931CNP80	11	1" x EUROK	80 mm	200186	700 mm		440,85 €	NC	1
500932CNP80	12	1" x EUROK	80 mm	200186	700 mm		476,79 €	NC	1
500922CN	2	1" x EUROK	110 mm	200086	500 mm		116,89 €	NC	1
500923CN	3	1" x EUROK	110 mm	200086	500 mm		152,93 €	NC	1
500924CN	4	1" x EUROK	110 mm	200086	500 mm		188,94 €	NC	1
500925CN	5	1" x EUROK	110 mm	200086	500 mm		224,84 €	NC	1
500926CN	6	1" x EUROK	110 mm	200086	500 mm		260,84 €	NC	1
500927CN	7	1" x EUROK	110 mm	200086	500 mm		296,91 €	NC	1
500928CN	8	1" x EUROK	110 mm	200086	500 mm		332,85 €	NC	1
500929CN	9	1" x EUROK	110 mm	200686	600 mm		368,90 €	NC	1
500930CN	10	1" x EUROK	110 mm	200686	600 mm		404,85 €	NC	1
500931CN	11	1" x EUROK	110 mm	200186	700 mm		440,85 €	NC	1
500932CN	12	1" x EUROK	110 mm	200186	700 mm		476,79 €	NC	1
400342CN	2	1"1/4 x EUROK	110 mm	200086	500 mm		141,46 €	NC	1
400343CN	3	1"1/4 x EUROK	110 mm	200086	500 mm		185,20 €	NC	1
400344CN	4	1"1/4 x EUROK	110 mm	200086	500 mm		229,07 €	NC	1
400345CN	5	1"1/4 x EUROK	110 mm	200086	500 mm		272,79 €	NC	1
400346CN	6	1"1/4 x EUROK	110 mm	200086	500 mm		316,65 €	NC	1
400347CN	7	1"1/4 x EUROK	110 mm	200086	500 mm		360,38 €	NC	1
400348CN	8	1"1/4 x EUROK	110 mm	200086	500 mm		404,30 €	NC	1
400349CN	9	1"1/4 x EUROK	110 mm	200686	600 mm		447,99 €	NC	1
400350CN	10	1"1/4 x EUROK	110 mm	200686	600 mm		491,75 €	NC	1
400351CN	11	1"1/4 x EUROK	110 mm	200186	700 mm		535,60 €	NC	1
400352CN	12	1"1/4 x EUROK	110 mm	200186	700 mm		579,35 €	NC	1



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
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CI 562 MN



- **Kit composto da collettore di mandata con detentori a doppia regolazione micrometrica, collettore di ritorno con valvole di intercettazione a manovra manuale, staffe e attacchi EUROK.**
- *Kit made of flow manifold with double micrometric adjustment lockshields, return manifold with manually operated isolation valves, brackets and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec inserts à double réglage micrometrique, un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con detentores de doble regulación micrométrica, colector de retorno con válvulas de cierre con cabeza manual, abrazaderas y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
400242MNP80	2	1" x EUROK	80 mm	200086	500 mm		102,27 €	NC	1
400243MNP80	3	1" x EUROK	80 mm	200086	500 mm		139,06 €	NC	1
400244MNP80	4	1" x EUROK	80 mm	200086	500 mm		175,86 €	NC	1
400245MNP80	5	1" x EUROK	80 mm	200086	500 mm		212,60 €	NC	1
400246MNP80	6	1" x EUROK	80 mm	200086	500 mm		249,41 €	NC	1
400247MNP80	7	1" x EUROK	80 mm	200086	500 mm		286,20 €	NC	1
400248MNP80	8	1" x EUROK	80 mm	200086	500 mm		322,93 €	NC	1
400249MNP80	9	1" x EUROK	80 mm	200686	600 mm		359,71 €	NC	1
400250MNP80	10	1" x EUROK	80 mm	200686	600 mm		396,39 €	NC	1
400251MNP80	11	1" x EUROK	80 mm	200186	700 mm		433,25 €	NC	1
400252MNP80	12	1" x EUROK	80 mm	200186	700 mm		470,00 €	NC	1
400253MNP80	13	1" x EUROK	80 mm	200786	800 mm		506,82 €	NC	1
400242MN	2	1" x EUROK	110 mm	200086	500 mm		102,27 €	NC	1
400243MN	3	1" x EUROK	110 mm	200086	500 mm		139,06 €	NC	1
400244MN	4	1" x EUROK	110 mm	200086	500 mm		175,86 €	NC	1
400245MN	5	1" x EUROK	110 mm	200086	500 mm		212,60 €	NC	1
400246MN	6	1" x EUROK	110 mm	200086	500 mm		249,41 €	NC	1
400247MN	7	1" x EUROK	110 mm	200086	500 mm		286,20 €	NC	1
400248MN	8	1" x EUROK	110 mm	200086	500 mm		322,93 €	NC	1
400249MN	9	1" x EUROK	110 mm	200686	600 mm		359,71 €	NC	1
400250MN	10	1" x EUROK	110 mm	200686	600 mm		396,39 €	NC	1
400251MN	11	1" x EUROK	110 mm	200186	700 mm		433,25 €	NC	1
400252MN	12	1" x EUROK	110 mm	200186	700 mm		470,00 €	NC	1
400253MN	13	1" x EUROK	110 mm	200786	800 mm		506,82 €	NC	1
400282MN	2	1"1/4 x EUROK	110 mm	200086	500 mm		120,35 €	NC	1
400283MN	3	1"1/4 x EUROK	110 mm	200086	500 mm		164,78 €	NC	1
400284MN	4	1"1/4 x EUROK	110 mm	200086	500 mm		209,39 €	NC	1
400285MN	5	1"1/4 x EUROK	110 mm	200086	500 mm		253,87 €	NC	1
400286MN	6	1"1/4 x EUROK	110 mm	200086	500 mm		298,49 €	NC	1
400287MN	7	1"1/4 x EUROK	110 mm	200086	500 mm		342,94 €	NC	1
400288MN	8	1"1/4 x EUROK	110 mm	200086	500 mm		387,61 €	NC	1
400289MN	9	1"1/4 x EUROK	110 mm	200686	600 mm		432,04 €	NC	1
400290MN	10	1"1/4 x EUROK	110 mm	200686	600 mm		476,54 €	NC	1
400291MN	11	1"1/4 x EUROK	110 mm	200186	700 mm		521,11 €	NC	1
400292MN	12	1"1/4 x EUROK	110 mm	200186	700 mm		565,62 €	NC	1
400293MN	13	1"1/4 x EUROK	110 mm	200786	800 mm		610,06 €	NC	1



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CI 594 MN



- **Kit composto da collettore di mandata con detentori a doppia regolazione micrometrica, collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, attacchi supplementari per valvole di carico/scarico e valvole di sfiato aria, attacchi EUROK.**
- *Kit made of flow manifold with double micrometric adjustment lockshields, return manifold with manually operated isolation valves, brackets, additional connections for filling/drainage valves and air vent valves, EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec inserts à double réglage micrometrique, un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, embouts supplémentaires pour robinets de remplissage/vidange et purgeurs d'air, embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln, zusätzliche Anschlüße für Lade-/Entladeventile und Entlüftungsventile, EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con detentores de doble regulación micrométrica, colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, conexiones adicionales para válvulas para la carga/descarga y válvulas de purga de aire, conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
500922MNP80	2	1" x EUROK	80 mm	200086	500 mm		118,45 €	NC	1
500923MNP80	3	1" x EUROK	80 mm	200086	500 mm		155,22 €	NC	1
500924MNP80	4	1" x EUROK	80 mm	200086	500 mm		192,04 €	NC	1
500925MNP80	5	1" x EUROK	80 mm	200086	500 mm		228,73 €	NC	1
500926MNP80	6	1" x EUROK	80 mm	200086	500 mm		265,58 €	NC	1
500927MNP80	7	1" x EUROK	80 mm	200086	500 mm		302,33 €	NC	1
500928MNP80	8	1" x EUROK	80 mm	200086	500 mm		339,11 €	NC	1
500929MNP80	9	1" x EUROK	80 mm	200686	600 mm		375,89 €	NC	1
500930MNP80	10	1" x EUROK	80 mm	200686	600 mm		412,55 €	NC	1
500931MNP80	11	1" x EUROK	80 mm	200186	700 mm		449,41 €	NC	1
500932MNP80	12	1" x EUROK	80 mm	200186	700 mm		486,18 €	NC	1
500922MN	2	1" x EUROK	110 mm	200086	500 mm		118,45 €	NC	1
500923MN	3	1" x EUROK	110 mm	200086	500 mm		155,22 €	NC	1
500924MN	4	1" x EUROK	110 mm	200086	500 mm		192,04 €	NC	1
500925MN	5	1" x EUROK	110 mm	200086	500 mm		228,73 €	NC	1
500926MN	6	1" x EUROK	110 mm	200086	500 mm		265,58 €	NC	1
500927MN	7	1" x EUROK	110 mm	200086	500 mm		302,33 €	NC	1
500928MN	8	1" x EUROK	110 mm	200086	500 mm		339,11 €	NC	1
500929MN	9	1" x EUROK	110 mm	200686	600 mm		375,89 €	NC	1
500930MN	10	1" x EUROK	110 mm	200686	600 mm		412,55 €	NC	1
500931MN	11	1" x EUROK	110 mm	200186	700 mm		449,41 €	NC	1
500932MN	12	1" x EUROK	110 mm	200186	700 mm		486,18 €	NC	1
400342MN	2	1"1/4 x EUROK	110 mm	200086	500 mm		142,92 €	NC	1
400343MN	3	1"1/4 x EUROK	110 mm	200086	500 mm		187,39 €	NC	1
400344MN	4	1"1/4 x EUROK	110 mm	200086	500 mm		232,01 €	NC	1
400345MN	5	1"1/4 x EUROK	110 mm	200086	500 mm		276,49 €	NC	1
400346MN	6	1"1/4 x EUROK	110 mm	200086	500 mm		321,13 €	NC	1
400347MN	7	1"1/4 x EUROK	110 mm	200086	500 mm		365,60 €	NC	1
400348MN	8	1"1/4 x EUROK	110 mm	200086	500 mm		410,25 €	NC	1
400349MN	9	1"1/4 x EUROK	110 mm	200686	600 mm		454,64 €	NC	1
400350MN	10	1"1/4 x EUROK	110 mm	200686	600 mm		499,14 €	NC	1
400351MN	11	1"1/4 x EUROK	110 mm	200186	700 mm		543,73 €	NC	1
400352MN	12	1"1/4 x EUROK	110 mm	200186	700 mm		588,26 €	NC	1



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CI 595 CN



- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile, staffe e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (1": 0-2.5 l/min*; 1"1/4: 0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatisable, étriers et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), Rücklaufverteiler mit Absperbarenventilen mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), colector de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable, abrazaderas y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
500082CNP80	2	1" x EUROK	80 mm	200086	500 mm		125,33 €	NE	1
500083CNP80	3	1" x EUROK	80 mm	200086	500 mm		174,97 €	NE	1
500084CNP80	4	1" x EUROK	80 mm	200086	500 mm		224,15 €	NE	1
500085CNP80	5	1" x EUROK	80 mm	200086	500 mm		273,70 €	NE	1
500086CNP80	6	1" x EUROK	80 mm	200086	500 mm		323,25 €	NE	1
500087CNP80	7	1" x EUROK	80 mm	200086	500 mm		372,71 €	NE	1
500088CNP80	8	1" x EUROK	80 mm	200086	500 mm		422,26 €	NE	1
500089CNP80	9	1" x EUROK	80 mm	200686	600 mm		472,10 €	NE	1
500090CNP80	10	1" x EUROK	80 mm	200686	600 mm		519,94 €	NE	1
500091CNP80	11	1" x EUROK	80 mm	200186	700 mm		571,34 €	NE	1
500092CNP80	12	1" x EUROK	80 mm	200186	700 mm		620,39 €	NE	1
500093CNP80	13	1" x EUROK	80 mm	200786	800 mm		672,69 €	NE	1
500082CN	2	1" x EUROK	110 mm	200086	500 mm		125,33 €	NE	1
500083CN	3	1" x EUROK	110 mm	200086	500 mm		174,97 €	NE	1
500084CN	4	1" x EUROK	110 mm	200086	500 mm		224,15 €	NE	1
500085CN	5	1" x EUROK	110 mm	200086	500 mm		273,70 €	NE	1
500086CN	6	1" x EUROK	110 mm	200086	500 mm		323,25 €	NE	1
500087CN	7	1" x EUROK	110 mm	200086	500 mm		372,71 €	NE	1
500088CN	8	1" x EUROK	110 mm	200086	500 mm		422,26 €	NE	1
500089CN	9	1" x EUROK	110 mm	200686	600 mm		472,10 €	NE	1
500090CN	10	1" x EUROK	110 mm	200686	600 mm		519,94 €	NE	1
500091CN	11	1" x EUROK	110 mm	200186	700 mm		571,34 €	NE	1
500092CN	12	1" x EUROK	110 mm	200186	700 mm		620,39 €	NE	1
500093CN	13	1" x EUROK	110 mm	200786	800 mm		672,69 €	NE	1
502142CN	2	1"1/4 x EUROK	110 mm	200086	500 mm		139,69 €	NE	1
502143CN	3	1"1/4 x EUROK	110 mm	200086	500 mm		194,96 €	NE	1
502144CN	4	1"1/4 x EUROK	110 mm	200086	500 mm		250,41 €	NE	1
502145CN	5	1"1/4 x EUROK	110 mm	200086	500 mm		305,68 €	NE	1
502146CN	6	1"1/4 x EUROK	110 mm	200086	500 mm		361,08 €	NE	1
502147CN	7	1"1/4 x EUROK	110 mm	200086	500 mm		416,50 €	NE	1
502148CN	8	1"1/4 x EUROK	110 mm	200086	500 mm		471,81 €	NE	1
502149CN	9	1"1/4 x EUROK	110 mm	200686	600 mm		527,12 €	NE	1
502150CN	10	1"1/4 x EUROK	110 mm	200686	600 mm		582,40 €	NE	1
502151CN	11	1"1/4 x EUROK	110 mm	200186	700 mm		637,86 €	NE	1
502152CN	12	1"1/4 x EUROK	110 mm	200186	700 mm		693,12 €	NE	1
502153CN	13	1"1/4 x EUROK	110 mm	200786	800 mm		748,55 €	NE	1



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >>p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >>p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >>p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >>p. 218**



- **Cassetta non inclusa >> p. 204,493**
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CI 596 CN



- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile, staffe, attacchi supplementari per valvole di carico/scarico e valvole di sfiato aria, attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (1": 0-2.5 l/min*; 1"1/4: 0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, additional connections for filling/drainage valves and air vent valves, EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatisable, étriers, embouts supplémentaires pour robinets de remplissage/vidange et purgeurs d'air, embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), Rücklaufverteiler mit Absperbarenventilen mit Schutzkappe für Thermostat-Regulierorrichtung, Haltebügeln, zusätzliche Anschlüße für Lade-/Entladeventile und Entlüftungsventile, EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), colector de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable, abrazaderas, conexiones adicionales para válvulas para la carga/descarga y válvulas de purga de aire, conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
502252CNP80	2	1" x EUROK	80 mm	200086	500 mm		146,44 €	NE	1
502253CNP80	3	1" x EUROK	80 mm	200086	500 mm		196,10 €	NE	1
502254CNP80	4	1" x EUROK	80 mm	200086	500 mm		245,27 €	NE	1
502255CNP80	5	1" x EUROK	80 mm	200086	500 mm		294,82 €	NE	1
502256CNP80	6	1" x EUROK	80 mm	200086	500 mm		344,37 €	NE	1
502257CNP80	7	1" x EUROK	80 mm	200086	500 mm		393,83 €	NE	1
502258CNP80	8	1" x EUROK	80 mm	200086	500 mm		443,37 €	NE	1
502259CNP80	9	1" x EUROK	80 mm	200686	600 mm		493,27 €	NE	1
502260CNP80	10	1" x EUROK	80 mm	200686	600 mm		541,09 €	NE	1
502261CNP80	11	1" x EUROK	80 mm	200186	700 mm		592,47 €	NE	1
502262CNP80	12	1" x EUROK	80 mm	200186	700 mm		641,48 €	NE	1
502252CN	2	1" x EUROK	110 mm	200086	500 mm		146,44 €	NE	1
502253CN	3	1" x EUROK	110 mm	200086	500 mm		196,10 €	NE	1
502254CN	4	1" x EUROK	110 mm	200086	500 mm		245,27 €	NE	1
502255CN	5	1" x EUROK	110 mm	200086	500 mm		294,82 €	NE	1
502256CN	6	1" x EUROK	110 mm	200086	500 mm		344,37 €	NE	1
502257CN	7	1" x EUROK	110 mm	200086	500 mm		393,83 €	NE	1
502258CN	8	1" x EUROK	110 mm	200086	500 mm		443,37 €	NE	1
502259CN	9	1" x EUROK	110 mm	200686	600 mm		493,27 €	NE	1
502260CN	10	1" x EUROK	110 mm	200686	600 mm		541,09 €	NE	1
502261CN	11	1" x EUROK	110 mm	200186	700 mm		592,47 €	NE	1
502262CN	12	1" x EUROK	110 mm	200186	700 mm		641,48 €	NE	1
502272CN	2	1"1/4 x EUROK	110 mm	200086	500 mm		160,86 €	NE	1
502273CN	3	1"1/4 x EUROK	110 mm	200086	500 mm		216,12 €	NE	1
502274CN	4	1"1/4 x EUROK	110 mm	200086	500 mm		271,56 €	NE	1
502275CN	5	1"1/4 x EUROK	110 mm	200086	500 mm		326,84 €	NE	1
502276CN	6	1"1/4 x EUROK	110 mm	200086	500 mm		382,21 €	NE	1
502277CN	7	1"1/4 x EUROK	110 mm	200086	500 mm		437,62 €	NE	1
502278CN	8	1"1/4 x EUROK	110 mm	200086	500 mm		492,93 €	NE	1
502279CN	9	1"1/4 x EUROK	110 mm	200686	600 mm		548,23 €	NE	1
502280CN	10	1"1/4 x EUROK	110 mm	200686	600 mm		603,50 €	NE	1
502281CN	11	1"1/4 x EUROK	110 mm	200186	700 mm		658,98 €	NE	1
502282CN	12	1"1/4 x EUROK	110 mm	200186	700 mm		714,25 €	NE	1



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
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CI 595 MN



- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), collettore di ritorno con valvole di intercettazione a manovra manuale, staffe e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (1": 0-2.5 l/min*; 1"1/4: 0-5 l/min), return manifold with manually operated isolation valves, brackets and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), colector de retorno con válvulas de cierre con cabeza manual, abrazaderas y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
500082MNP80	2	1" x EUROK	80 mm	200086	500 mm		126,75 €	NE	1
500083MNP80	3	1" x EUROK	80 mm	200086	500 mm		177,20 €	NE	1
500084MNP80	4	1" x EUROK	80 mm	200086	500 mm		227,13 €	NE	1
500085MNP80	5	1" x EUROK	80 mm	200086	500 mm		277,34 €	NE	1
500086MNP80	6	1" x EUROK	80 mm	200086	500 mm		327,65 €	NE	1
500087MNP80	7	1" x EUROK	80 mm	200086	500 mm		377,82 €	NE	1
500088MNP80	8	1" x EUROK	80 mm	200086	500 mm		428,03 €	NE	1
500089MNP80	9	1" x EUROK	80 mm	200686	600 mm		478,65 €	NE	1
500090MNP80	10	1" x EUROK	80 mm	200686	600 mm		527,18 €	NE	1
500091MNP80	11	1" x EUROK	80 mm	200186	700 mm		579,37 €	NE	1
500092MNP80	12	1" x EUROK	80 mm	200186	700 mm		629,10 €	NE	1
500093MNP80	13	1" x EUROK	80 mm	200786	800 mm		682,12 €	NE	1
500082MN	2	1" x EUROK	110 mm	200086	500 mm		126,75 €	NE	1
500083MN	3	1" x EUROK	110 mm	200086	500 mm		177,20 €	NE	1
500084MN	4	1" x EUROK	110 mm	200086	500 mm		227,13 €	NE	1
500085MN	5	1" x EUROK	110 mm	200086	500 mm		277,34 €	NE	1
500086MN	6	1" x EUROK	110 mm	200086	500 mm		327,65 €	NE	1
500087MN	7	1" x EUROK	110 mm	200086	500 mm		377,82 €	NE	1
500088MN	8	1" x EUROK	110 mm	200086	500 mm		428,03 €	NE	1
500089MN	9	1" x EUROK	110 mm	200686	600 mm		478,65 €	NE	1
500090MN	10	1" x EUROK	110 mm	200686	600 mm		527,18 €	NE	1
500091MN	11	1" x EUROK	110 mm	200186	700 mm		579,37 €	NE	1
500092MN	12	1" x EUROK	110 mm	200186	700 mm		629,10 €	NE	1
500093MN	13	1" x EUROK	110 mm	200786	800 mm		682,12 €	NE	1
502142MN	2	1"1/4 x EUROK	110 mm	200086	500 mm		141,11 €	NE	1
502143MN	3	1"1/4 x EUROK	110 mm	200086	500 mm		197,02 €	NE	1
502144MN	4	1"1/4 x EUROK	110 mm	200086	500 mm		253,19 €	NE	1
502145MN	5	1"1/4 x EUROK	110 mm	200086	500 mm		309,18 €	NE	1
502146MN	6	1"1/4 x EUROK	110 mm	200086	500 mm		365,25 €	NE	1
502147MN	7	1"1/4 x EUROK	110 mm	200086	500 mm		421,31 €	NE	1
502148MN	8	1"1/4 x EUROK	110 mm	200086	500 mm		477,33 €	NE	1
502149MN	9	1"1/4 x EUROK	110 mm	200686	600 mm		533,37 €	NE	1
502150MN	10	1"1/4 x EUROK	110 mm	200686	600 mm		589,30 €	NE	1
502151MN	11	1"1/4 x EUROK	110 mm	200186	700 mm		645,44 €	NE	1
502152MN	12	1"1/4 x EUROK	110 mm	200186	700 mm		701,44 €	NE	1
502153MN	13	1"1/4 x EUROK	110 mm	200786	800 mm		757,52 €	NE	1



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
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- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, attacchi supplementari per valvole di carico/scarico e valvole di sfiato aria, attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (1": 0-2.5 l/min*; 1"1/4: 0-5 l/min), return manifold with manually operated isolation valves, brackets, additional connections for filling/drainage valves and air vent valves, EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (1'': 0-2,5 l/min*; 1"1/4: 0-5 l/min), un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, embouts supplémentaires pour robinets de remplissage/vidange et purgeurs d'air, embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), Rücklaufverteiler mit Absperrventilen mit manueller Hebel, Haltebügeln, zusätzliche Anschlüße für Lade-/Entladeventile und Entlüftungsventile, EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, conexiones adicionales para válvulas para la carga/descarga y válvulas de purga de aire, conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
502252MNP80	2	1" x EUROK	80 mm	200086	500 mm		147,91 €	NE	1
502253MNP80	3	1" x EUROK	80 mm	200086	500 mm		198,32 €	NE	1
502254MNP80	4	1" x EUROK	80 mm	200086	500 mm		248,23 €	NE	1
502255MNP80	5	1" x EUROK	80 mm	200086	500 mm		298,43 €	NE	1
502256MNP80	6	1" x EUROK	80 mm	200086	500 mm		348,76 €	NE	1
502257MNP80	7	1" x EUROK	80 mm	200086	500 mm		398,92 €	NE	1
502258MNP80	8	1" x EUROK	80 mm	200086	500 mm		449,19 €	NE	1
502259MNP80	9	1" x EUROK	80 mm	200686	600 mm		499,77 €	NE	1
502260MNP80	10	1" x EUROK	80 mm	200686	600 mm		548,36 €	NE	1
502261MNP80	11	1" x EUROK	80 mm	200186	700 mm		600,48 €	NE	1
502262MNP80	12	1" x EUROK	80 mm	200186	700 mm		650,22 €	NE	1
502252MN	2	1" x EUROK	110 mm	200086	500 mm		147,91 €	NE	1
502253MN	3	1" x EUROK	110 mm	200086	500 mm		198,32 €	NE	1
502254MN	4	1" x EUROK	110 mm	200086	500 mm		248,23 €	NE	1
502255MN	5	1" x EUROK	110 mm	200086	500 mm		298,43 €	NE	1
502256MN	6	1" x EUROK	110 mm	200086	500 mm		348,76 €	NE	1
502257MN	7	1" x EUROK	110 mm	200086	500 mm		398,92 €	NE	1
502258MN	8	1" x EUROK	110 mm	200086	500 mm		449,19 €	NE	1
502259MN	9	1" x EUROK	110 mm	200686	600 mm		499,77 €	NE	1
502260MN	10	1" x EUROK	110 mm	200686	600 mm		548,36 €	NE	1
502261MN	11	1" x EUROK	110 mm	200186	700 mm		600,48 €	NE	1
502262MN	12	1" x EUROK	110 mm	200186	700 mm		650,22 €	NE	1
502272MN	2	1"1/4 x EUROK	110 mm	200086	500 mm		162,21 €	NE	1
502273MN	3	1"1/4 x EUROK	110 mm	200086	500 mm		218,19 €	NE	1
502274MN	4	1"1/4 x EUROK	110 mm	200086	500 mm		274,30 €	NE	1
502275MN	5	1"1/4 x EUROK	110 mm	200086	500 mm		330,28 €	NE	1
502276MN	6	1"1/4 x EUROK	110 mm	200086	500 mm		386,35 €	NE	1
502277MN	7	1"1/4 x EUROK	110 mm	200086	500 mm		442,44 €	NE	1
502278MN	8	1"1/4 x EUROK	110 mm	200086	500 mm		498,47 €	NE	1
502279MN	9	1"1/4 x EUROK	110 mm	200686	600 mm		554,47 €	NE	1
502280MN	10	1"1/4 x EUROK	110 mm	200686	600 mm		610,51 €	NE	1
502281MN	11	1"1/4 x EUROK	110 mm	200186	700 mm		666,54 €	NE	1
502282MN	12	1"1/4 x EUROK	110 mm	200186	700 mm		722,56 €	NE	1



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >>p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >>p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >>p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >>p. 218**



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
- **Cassette pas inclus >> p. 204,493**
- *Kasten nicht enthalten >> p. 204,493*
- **Caja no incluida >> p. 204,493**



- **È possibile ordinare questo articolo in versione gialla utilizzando il medesimo codice, ma omettendo la "N" finale (prezzo su richiesta).**
- *It is possible to order this item in yellow version; please use the same reference code without the "N" at the end (price on request).*
- **Il est possible de commander cet article en version jaune en utilisant le même code, mais en omettant le "N" final (prix sur demande).**
- *Gelbe Ausführung verfügbar. Dieselbe o.g. Bestellnummer aber bitte „N" am Ende weglassen (Preis auf Anfrage).*
- **Puede pedir este artículo en la versión amarilla con el mismo código, pero sin la „N" al final (precio disponible bajo petición).**

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KC 01 KC (1")



- **Kit composto da collettore di mandata con detentori a doppia regolazione micrometrica, collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, terminali, valvole di carico/scarico, valvole di sfiato aria e attacchi EUROK.**
- *Kit made of flow manifold with double micrometric adjustment lockshields, return manifold with manually operated isolation valves, brackets, terminals, filling/drainage valves, air vent valves and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec inserts à double réglage micrometrique, un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, parties terminales, robinets de remplissage/vidange, purgeurs d'air et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln, Endstücke, Lade-/Entladeventilen, Entlüftungsventilen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con detentores de doble regulación micrométrica, colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, terminales, válvulas para la carga/descarga, válvulas de purga de aire y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
507162KC	2	1" x EUROK	80 mm	200086	500 mm		158,09 €	N3	1
507163KC	3	1" x EUROK	80 mm	200086	500 mm		192,69 €	N3	1
507164KC	4	1" x EUROK	80 mm	200086	500 mm		227,32 €	N3	1
507165KC	5	1" x EUROK	80 mm	200686	600 mm		261,87 €	N3	1
507166KC	6	1" x EUROK	80 mm	200686	600 mm		296,50 €	N3	1
507167KC	7	1" x EUROK	80 mm	200186	700 mm		331,10 €	N3	1
507168KC	8	1" x EUROK	80 mm	200186	700 mm		365,66 €	N3	1
507169KC	9	1" x EUROK	80 mm	200786	800 mm		400,25 €	N3	1
507170KC	10	1" x EUROK	80 mm	200786	800 mm		434,74 €	N3	1
507171KC	11	1" x EUROK	80 mm	200286	900 mm		469,41 €	N3	1
507172KC	12	1" x EUROK	80 mm	200286	900 mm		503,98 €	N3	1
507173KC	13	1" x EUROK	80 mm	200886	1000 mm		538,63 €	N3	1

KC 01 KC (1"1/4)



- **Kit composto da collettore di mandata con detentori a doppia regolazione micrometrica, collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, valvole di carico/scarico, valvole di sfiato aria, tappi e attacchi EUROK.**
- *Kit made of flow manifold with double micrometric adjustment lockshields, return manifold with manually operated isolation valves, brackets, filling/drainage valves, air vent valves, plugs and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec inserts à double réglage micrometrique, un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, robinets de remplissage/vidange, purgeurs d'air, bouchons et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln, Lade-/Entladeventilen, Entlüftungsventilen, Verschlüssen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con detentores de doble regulación micrométrica, colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, válvulas para la carga/ descarga, válvulas de purga de aire, tapones y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
508162KC	2	1"1/4 x EUROK	110 mm	200086	500 mm		190,17 €	N3	1
508163KC	3	1"1/4 x EUROK	110 mm	200086	500 mm		229,55 €	N3	1
508164KC	4	1"1/4 x EUROK	110 mm	200086	500 mm		268,93 €	N3	1
508165KC	5	1"1/4 x EUROK	110 mm	200686	600 mm		308,31 €	N3	1
508166KC	6	1"1/4 x EUROK	110 mm	200686	600 mm		347,69 €	N3	1
508167KC	7	1"1/4 x EUROK	110 mm	200186	700 mm		387,07 €	N3	1
508168KC	8	1"1/4 x EUROK	110 mm	200186	700 mm		426,45 €	N3	1
508169KC	9	1"1/4 x EUROK	110 mm	200786	800 mm		465,83 €	N3	1
508170KC	10	1"1/4 x EUROK	110 mm	200786	800 mm		505,21 €	N3	1
508171KC	11	1"1/4 x EUROK	110 mm	200286	900 mm		544,59 €	N3	1
508172KC	12	1"1/4 x EUROK	110 mm	200286	900 mm		583,97 €	N3	1



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >>p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >>p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >>p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >>p. 218**



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
- **Cassette pas inclus >> p. 204,493**
- *Kasten nicht enthalten >> p. 204,493*
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KC 02 KC (1")





* 0-5 l/min ON REQUEST

- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (0-2,5 l/min*), collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, terminali, valvole di carico/scarico, valvole di sfiato aria e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (0-2.5 l/min*), return manifold with manually operated isolation valves, brackets, terminals, filling/drainage valves, air vent valves and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (0-2,5 l/min*), un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, parties terminales, robinets de remplissage/vidange, purgeurs d'air et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (0-2,5 l/min*), Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln, Endstücke, Lade-/Entladeventilen, Entlüftungsventilen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (0-2,5 l/min*), colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, terminales, válvulas para la carga/descarga, válvulas de purga de aire y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
507182KC	2	1" x EUROK	80 mm	200086	500 mm		184,51 €	N3	1
507183KC	3	1" x EUROK	80 mm	200086	500 mm		233,31 €	N3	1
507184KC	4	1" x EUROK	80 mm	200086	500 mm		281,62 €	N3	1
507185KC	5	1" x EUROK	80 mm	200686	600 mm		330,17 €	N3	1
507186KC	6	1" x EUROK	80 mm	200686	600 mm		378,87 €	N3	1
507187KC	7	1" x EUROK	80 mm	200186	700 mm		427,40 €	N3	1
507188KC	8	1" x EUROK	80 mm	200186	700 mm		475,97 €	N3	1
507189KC	9	1" x EUROK	80 mm	200786	800 mm		524,95 €	N3	1
507190KC	10	1" x EUROK	80 mm	200786	800 mm		571,88 €	N3	1
507191KC	11	1" x EUROK	80 mm	200286	900 mm		622,38 €	N3	1
507192KC	12	1" x EUROK	80 mm	200286	900 mm		670,50 €	N3	1
507193KC	13	1" x EUROK	80 mm	200886	1000 mm		721,80 €	N3	1

KC 02 KC (1"1/4)



- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (0-5 l/min), collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, valvole di carico/scarico, valvole di sfiato aria, tappi e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with manually operated isolation valves, brackets, filling/drainage valves, air vent valves, plugs and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (0-5 l/min), un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, robinets de remplissage/vidange, purgeurs d'air, bouchons et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (0-5 l/min), Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln, Lade-/Entladeventilen, Entlüftungsventilen, Verschlüssen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (0-5 l/min), colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, válvulas para la carga/ descarga, válvulas de purga de aire, tapones y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
508182KC	2	1"1/4 x EUROK	110 mm	200086	500 mm		185,89 €	N3	1
508183KC	3	1"1/4 x EUROK	110 mm	200086	500 mm		240,07 €	N3	1
508184KC	4	1"1/4 x EUROK	110 mm	200086	500 mm		294,33 €	N3	1
508185KC	5	1"1/4 x EUROK	110 mm	200686	600 mm		348,48 €	N3	1
508186KC	6	1"1/4 x EUROK	110 mm	200686	600 mm		402,73 €	N3	1
508187KC	7	1"1/4 x EUROK	110 mm	200186	700 mm		456,98 €	N3	1
508188KC	8	1"1/4 x EUROK	110 mm	200186	700 mm		511,19 €	N3	1
508189KC	9	1"1/4 x EUROK	110 mm	200786	800 mm		565,37 €	N3	1
508190KC	10	1"1/4 x EUROK	110 mm	200786	800 mm		619,60 €	N3	1
508191KC	11	1"1/4 x EUROK	110 mm	200286	900 mm		673,79 €	N3	1
508192KC	12	1"1/4 x EUROK	110 mm	200286	900 mm		727,98 €	N3	1



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >>p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >>p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >>p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >>p. 218**



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
- **Cassette pas inclus >> p. 204,493**
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- **Caja no incluida >> p. 204,493**

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KC 02 A (1")





* 0-5 l/min ON REQUEST

- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (0-2,5 l/min*), collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, valvole a sfera diritte con bocchettone, termometri, terminali, valvole di carico/scarico, valvole di sfiato aria e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (0-2,5 l/min*), return manifold with manually operated isolation valves, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (0-2,5 l/min*), un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, vannes à bille droites avec raccord, thermomètres, parties terminales, robinets de remplissage/vidange, purgeurs d'air et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (0-2,5 l/min*), Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln, Durchgangs-Kugelventilen mit Verschraubung, Thermometer, Endstücke, Lade-/Entladeventilen, Entlüftungsventilen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (0-2,5 l/min*), colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, válvulas de bola rectas con manguito de unión, termómetros, terminales, válvulas para la carga/descarga, válvulas de purga de aire y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
507182AIV	2	1" x EUROK	80 mm	200086	500 mm		285,74 €	N3	1
507183AIV	3	1" x EUROK	80 mm	200086	500 mm		334,56 €	N3	1
507184AIV	4	1" x EUROK	80 mm	200086	500 mm		382,87 €	N3	1
507185AIV	5	1" x EUROK	80 mm	200686	600 mm		431,43 €	N3	1
507186AIV	6	1" x EUROK	80 mm	200686	600 mm		480,13 €	N3	1
507187AIV	7	1" x EUROK	80 mm	200186	700 mm		528,65 €	N3	1
507188AIV	8	1" x EUROK	80 mm	200186	700 mm		577,23 €	N3	1
507189AIV	9	1" x EUROK	80 mm	200786	800 mm		626,21 €	N3	1
507190AIV	10	1" x EUROK	80 mm	200786	800 mm		673,13 €	N3	1
507191AIV	11	1" x EUROK	80 mm	200286	900 mm		723,64 €	N3	1
507192AIV	12	1" x EUROK	80 mm	200286	900 mm		771,76 €	N3	1
507193AIV	13	1" x EUROK	80 mm	200886	1000 mm		823,06 €	N3	1

KC 02 A (1"1/4)



- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (0-5 l/min), collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, valvole a sfera diritte con bocchettone, termometri, valvole di carico/scarico, valvole di sfiato aria, tappi e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with manually operated isolation valves, brackets, straight ball valves with fitting, thermometers, filling/drainage valves, air vent valves, plugs and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (0-5 l/min), un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, vannes à bille droites avec raccord, thermomètres, robinets de remplissage/vidange, purgeurs d'air, bouchons et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (0-5 l/min), Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln, Durchgangs-Kugelventilen mit Verschraubung, Thermometer, Lade-/Entladeventilen, Entlüftungsventilen, Verschlüssen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (0-5 l/min), colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, válvulas de bola rectas con manguito de unión, termómetros, válvulas para la carga/ descarga, válvulas de purga de aire, tapones y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
508182AIV	2	1"1/4 x EUROK	110 mm	200086	500 mm		334,19 €	N3	1
508183AIV	3	1"1/4 x EUROK	110 mm	200086	500 mm		388,35 €	N3	1
508184AIV	4	1"1/4 x EUROK	110 mm	200086	500 mm		442,63 €	N3	1
508185AIV	5	1"1/4 x EUROK	110 mm	200686	600 mm		496,80 €	N3	1
508186AIV	6	1"1/4 x EUROK	110 mm	200686	600 mm		551,02 €	N3	1
508187AIV	7	1"1/4 x EUROK	110 mm	200186	700 mm		605,28 €	N3	1
508188AIV	8	1"1/4 x EUROK	110 mm	200186	700 mm		659,48 €	N3	1
508189AIV	9	1"1/4 x EUROK	110 mm	200786	800 mm		713,69 €	N3	1
508190AIV	10	1"1/4 x EUROK	110 mm	200786	800 mm		767,88 €	N3	1
508191AIV	11	1"1/4 x EUROK	110 mm	200286	900 mm		822,08 €	N3	1
508192AIV	12	1"1/4 x EUROK	110 mm	200286	900 mm		876,26 €	N3	1



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >>p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >>p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >>p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >>p. 218**



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
- **Cassette pas inclus >> p. 204,493**
- *Kasten nicht enthalten >> p. 204,493*
- **Caja no incluida >> p. 204,493**

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KC 02 AS (1")



- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (0-2,5 l/min*), collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, valvole a sfera a squadra con bocchettone, termometri, terminali, valvole di carico/ scarico, valvole di sfiato aria e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (0-2.5 l/min*), return manifold with manually operated isolation valves, brackets, square ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (0-2,5 l/min*), un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, vannes à bille équerre avec raccord, thermomètres, parties terminales, robinets de remplissage/vidange, purgeurs d'air et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (0-2,5 l/min*), Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln, Eck-Kugelventilen mit Verschraubung, Thermometer, Endstücke, Lade-/Entladeventilen, Entlüftungsventilen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (0-2,5 l/min*), colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, válvulas de bola de escuadra con manguito de unión, termómetros, terminales, válvulas para la carga/descarga, válvulas de purga de aire y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
507182ASIV	2	1" x EUROK	80 mm	200086	500 mm		295,35 €	N3	1
507183ASIV	3	1" x EUROK	80 mm	200086	500 mm		344,15 €	N3	1
507184ASIV	4	1" x EUROK	80 mm	200086	500 mm		392,46 €	N3	1
507185ASIV	5	1" x EUROK	80 mm	200686	600 mm		441,03 €	N3	1
507186ASIV	6	1" x EUROK	80 mm	200686	600 mm		489,71 €	N3	1
507187ASIV	7	1" x EUROK	80 mm	200186	700 mm		538,24 €	N3	1
507188ASIV	8	1" x EUROK	80 mm	200186	700 mm		586,81 €	N3	1
507189ASIV	9	1" x EUROK	80 mm	200786	800 mm		635,81 €	N3	1
507190ASIV	10	1" x EUROK	80 mm	200786	800 mm		682,73 €	N3	1
507191ASIV	11	1" x EUROK	80 mm	200286	900 mm		733,22 €	N3	1
507192ASIV	12	1" x EUROK	80 mm	200286	900 mm		781,35 €	N3	1
507193ASIV	13	1" x EUROK	80 mm	200886	1000 mm		832,64 €	N3	1

KC 02 AS (1"1/4)



- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (0-5 l/min), collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, valvole a sfera a squadra con bocchettone, termometri, valvole di carico/scarico, valvole di sfiato aria, tappi e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with manually operated isolation valves, brackets, square ball valves with fitting, thermometers, filling/drainage valves, air vent valves, plugs and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (0-5 l/min), un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, vannes à bille équerre avec raccord, thermomètres, robinets de remplissage/vidange, purgeurs d'air, bouchons et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (0-5 l/min), Rücklaufverteiler mit Absperbarenventilen mit manueller Hebel, Haltebügeln, Eck-Kugelventilen mit Verschraubung, Thermometer, Lade-/Entladeventilen, Entlüftungsventilen, Verschlüssen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (0-5 l/min), colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, válvulas de bola de escuadra con manguito de unión, termómetros, válvulas para la carga/descarga, válvulas de purga de aire, tapones y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Color	Price	Class	Packaging
508182ASIV	2	1"1/4 x EUROK	110 mm	200086	500 mm		339,50 €	N3	1
508183ASIV	3	1"1/4 x EUROK	110 mm	200086	500 mm		393,66 €	N3	1
508184ASIV	4	1"1/4 x EUROK	110 mm	200086	500 mm		447,93 €	N3	1
508185ASIV	5	1"1/4 x EUROK	110 mm	200686	600 mm		502,08 €	N3	1
508186ASIV	6	1"1/4 x EUROK	110 mm	200686	600 mm		556,34 €	N3	1
508187ASIV	7	1"1/4 x EUROK	110 mm	200186	700 mm		610,60 €	N3	1
508188ASIV	8	1"1/4 x EUROK	110 mm	200186	700 mm		664,79 €	N3	1
508189ASIV	9	1"1/4 x EUROK	110 mm	200786	800 mm		718,96 €	N3	1
508190ASIV	10	1"1/4 x EUROK	110 mm	200786	800 mm		773,19 €	N3	1
508191ASIV	11	1"1/4 x EUROK	110 mm	200286	900 mm		827,39 €	N3	1
508192ASIV	12	1"1/4 x EUROK	110 mm	200286	900 mm		881,58 €	N3	1



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >>p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >>p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >>p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >>p. 218**



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
- **Cassette pas inclus >> p. 204,493**
- *Kasten nicht enthalten >> p. 204,493*
- **Caja no incluida >> p. 204,493**

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STAINLESS STEEL MANIFOLDS

IVAR steel manifolds are a valid alternative to traditional brass manifolds. They are used for the distribution of heating fluid both in radiant panel systems and radiators, and are compatible also with cooling systems, where suitable insulation is recommended to avoid the effects of surface condensation.
Thanks to micrometric lockshields or flow rate controllers, IVAR's Fluxer stainless-steel manifolds guarantee perfect system balancing, avoiding energy waste and ensuring maximum ambient comfort. They are equipped with manual shutoff valves or valves with electrothermal head for the control of individual circuits.
The manifolds, in AISI 304 high gauge stainless steel, are supplied in flow-return kits, in all the same configurations as available for the brass manifolds. With 1" head fittings and ¾" BSP EUROK branches, they are available with 2 to 13 ways and are perfectly compatible with all the accessories available for the brass bar manifolds..

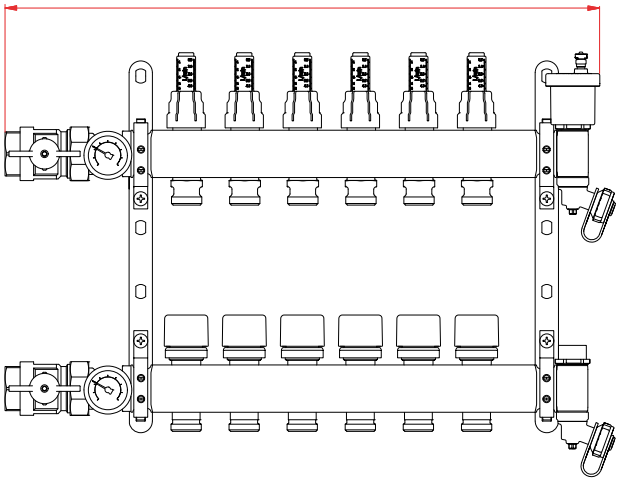
Materials
Body: AISI 304 stainless steel
Seals and O-rings: peroxide EPDM
Shutoff knobs and caps: ABS

Technical specifications
Max. fluid temperature: 90 °C
Maximum operating pressure: 10 bar

PLUS

- **Large transit section for increased flow rate.**
- **Lightweight and easy to install.**
- **Compatible with both low and high temperatures.**
- **Optimal mechanical resistance to corrosion**
- **Competitive price**

MANIFOLD KIT DIMENSIONS AND SUITABLE CABINET



Manifold ways		2	3	4	5	6	7	8	9	10	11	12	13
1" manifolds kit width		328 mm	378 mm	428 mm	478 mm	528 mm	578 mm	628 mm	678 mm	728 mm	778 mm	828 mm	878 mm
 AC 840 E	**Cabinet code**	**200130**	**200130**	**200130**	**200131**	**200131**	**200131**	**200131**	**200132**	**200132**	**200133**	**200133**	**200133**
	Cabinet width	500 mm	500 mm	500 mm	700 mm	700 mm	700 mm	700 mm	850 mm	850 mm	1.000 mm	1.000 mm	1.000 mm
 AC 840	**Cabinet code**	**200086**	**200086**	**200086**	**200686**	**200686**	**200186**	**200186**	**200786**	**200786**	**200286**	**200286**	**200886**
	Cabinet width	500 mm	500 mm	500 mm	600 mm	600 mm	700 mm	700 mm	800 mm	800 mm	900 mm	900 mm	1.000 mm

Manifold ways		2	3	4	5	6	7	8	9	10	11	12
1"1/4 manifolds kit width		352 mm	402 mm	452 mm	502 mm	552 mm	602 mm	652 mm	702 mm	752 mm	802 mm	852 mm
 AC 840	**Cabinet code**	**200086**	**200086**	**200086**	**200686**	**200686**	**200186**	**200186**	**200786**	**200786**	**200286**	**200286**
	Cabinet width	500 mm	500 mm	500 mm	600 mm	600 mm	700 mm	700 mm	800 mm	800 mm	900 mm	900 mm

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EXAMPLES OF APPLICATION FOR STAINLESS-STEEL MANIFOLD ACCESSORIES

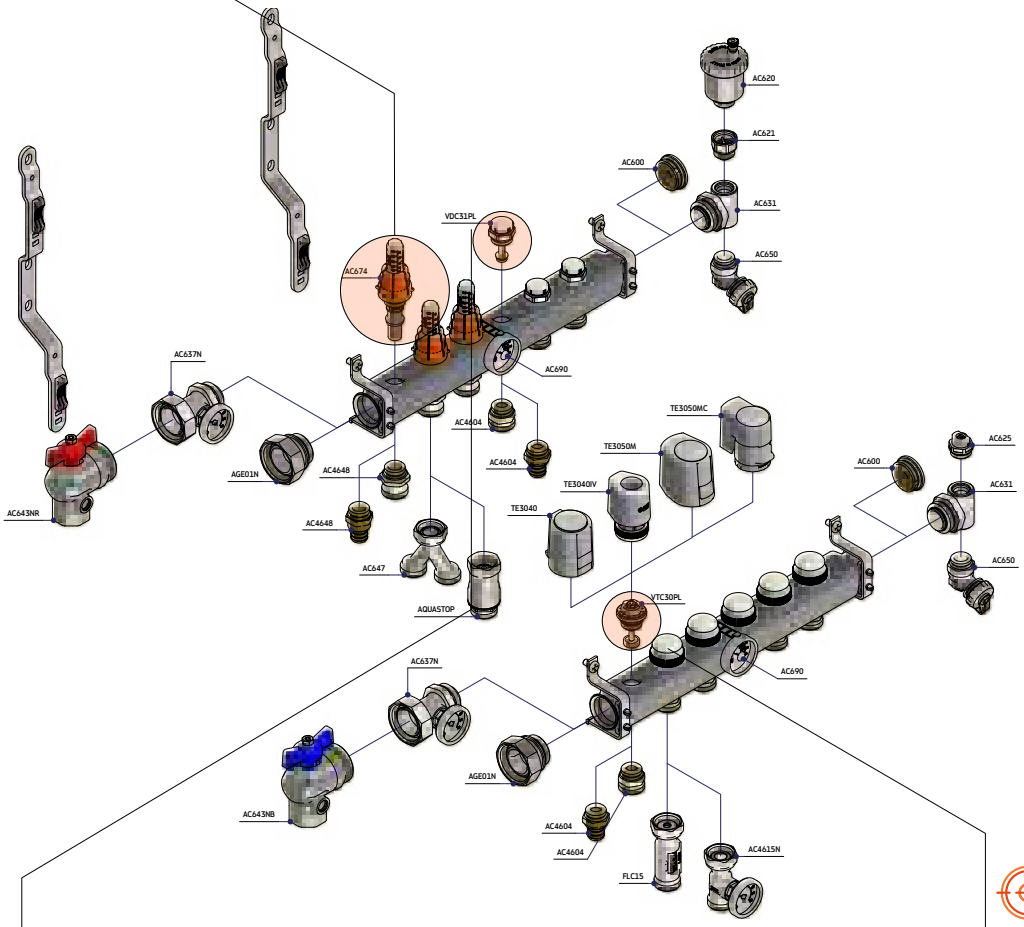


FLUXER®

Fluxer is the IVAR device for balancing and the display of flow rates on single circuits.

Glass panel replaceable also with system in operation

Possibility of shutoff and position memory



FOCUS
See next page

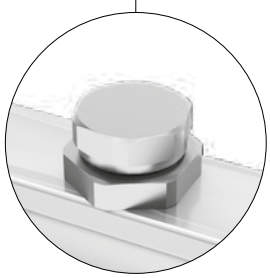
INSERT WITH THERMOSTATIC CONTROL OPTION

(NEW version with dynamic insert available)

The manifolds with thermostat control option are supplied with a control knob to protect the thread and possible isolation of the bypass circuit.



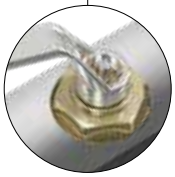




LOCKSHIELD

Used for the control and static balancing of circuits, equipped with a screw with micrometric thread for gradual opening of the shutter and position memory. The position memory enables shutoff of the circuit, leaving the grub screw position unchanged for subsequent re-opening.

The control rod can also be replaced with the system in operation.



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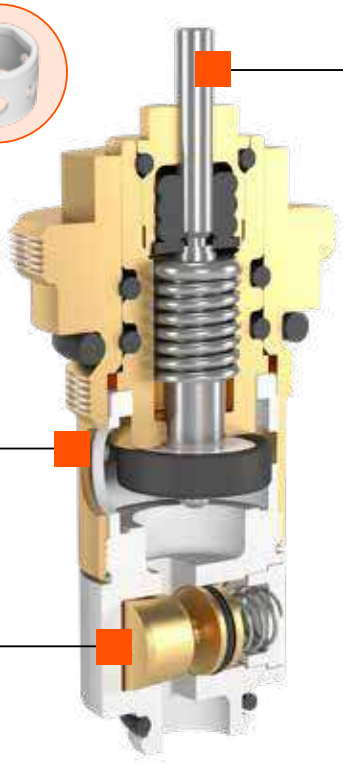
The dynamic balancing cartridges for manifolds represent a major evolution in IVAR's product range for radiant systems. In a correctly balanced system, the water is distributed between the various circuits on the basis of the design parameters defined by the technical heating engineer. Typically, balancing at the manifold is static, and the flow meters are set at system commissioning. However, during operation, the system often finds itself in conditions other than those envisaged in the design: circuits opening and closing on the basis of the ambient temperature modify the flow rates even in correctly balanced circuits. Static balancing is not designed to react to the system's operating conditions. On the other hand, the dynamic balancing cartridges **react when the system operating conditions change to maintain the required flow rates in each circuit. This therefore guarantees the correct heat output during operation not only in total load, but also in partial load conditions, with concrete benefits in terms of comfort and energy efficiency**. The dynamic balancing cartridges can also be used for shutting off the circuit.

The new dynamic balancing head is made up of three elements:

1. **thermostatic insert** which, when combined with an electrothermal head controlled by a room thermostat, allows the opening and closing of each floor circuit;
2. **flow selector** that lets you set the maximum flow rate through the single circuit. The headwork has a selector with 6 positions, one for each a flow rate value;
3. **dynamic insert** to keep the flow rate constant on that circuit regardless of pressure variations in the system, because of opening / closing of the circuits.

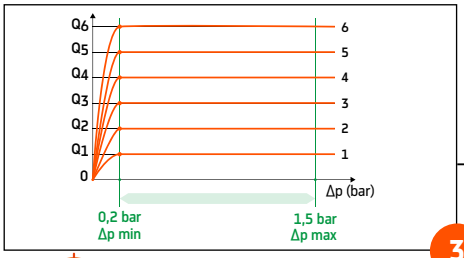


2 Flow selector





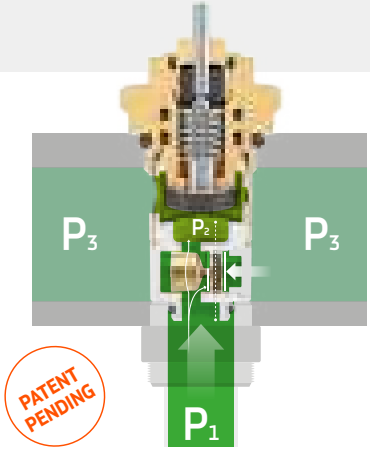
1 Thermostatic insert



3 Dynamic insert

FOCUS: Dynamic insert

The dynamic insert is a mobile element on which the pressures P1, P3 and the action of a calibrated spring insist: the combined action of these forces and the profile of the insert makes the pressure difference between P2 and P3 (between the thermostatic insert and the calibrated orifice of the flow selector) constant, even in case of pressure variations of P1 or P3. In this way the flow is constant through the single circuit.



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- **È possibile ordinare i collettori con vitoni con bilanciamento dinamico: aggiungere il suffisso "D" al codice >> +14,00€ per ogni uscita del collettore.**
- *It is possible to order manifolds with dynamic balancing inserts: add suffix "D" at the end of the code >> +€ 14.00 for each manifold output.*
- **Il est possible de commander les collecteurs équipés d'inserts avec équilibrage dynamique : ajouter le suffixe «D» au code >> +14,00 € pour chaque sortie du collecteur.**
- *Sie können die Verteiler mit Einsatz mit dynamischem Ausgleich bestellen: fügen Sie dem Code das Suffix „D" hinzu >> +14,00 € für jede Verteilerauslauf.*
- **Puede pedir los colectores con tornillos con equilibrado dinámico: agregar sufijo "D" al final del código >> +14,00 € por cada salida de colector.**

EXAMPLE

See table below



CI 589 C



- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER, collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, inserti dinamici, staffe e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER, return manifold with isolation valves with protection cap for thermostatic insert, dynamic inserts, brackets and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER, un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, inserts dynamiques, étriers et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER, Rücklaufverteiler mit Absperbarenventile mit Schutzkappe für Thermostat-Reguliervorrichtung, dynamische Einsätze, Haltebügeln und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER, colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, insertos dinamicos, abrazaderas y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503202**D**	2	1" x EUROK	110 mm	200086	500 mm	148,98	OB	1
503203**D**	3	1" x EUROK	110 mm	200086	500 mm	199,50	OB	1
503204**D**	4	1" x EUROK	110 mm	200086	500 mm	250,03	OB	1
503205**D**	5	1" x EUROK	110 mm	200086	500 mm	300,58	OB	1
503206**D**	6	1" x EUROK	110 mm	200086	500 mm	351,06	OB	1
503207**D**	7	1" x EUROK	110 mm	200086	500 mm	401,60	OB	1
503208**D**	8	1" x EUROK	110 mm	200086	500 mm	452,13	OB	1
503209**D**	9	1" x EUROK	110 mm	200686	600 mm	502,65	OB	1
503210**D**	10	1" x EUROK	110 mm	200686	600 mm	553,18	OB	1
503211**D**	11	1" x EUROK	110 mm	200186	700 mm	603,72	OB	1
503212**D**	12	1" x EUROK	110 mm	200186	700 mm	656,63	OB	1
503213**D**	13	1" x EUROK	110 mm	200786	800 mm	730,95	OB	1
514202**D**	2	1"1/4 x EUROK	110 mm	200086	500 mm	161,16	OB	1
514203**D**	3	1"1/4 x EUROK	110 mm	200086	500 mm	221,01	OB	1
514204**D**	4	1"1/4 x EUROK	110 mm	200086	500 mm	280,88	OB	1
514205**D**	5	1"1/4 x EUROK	110 mm	200086	500 mm	340,73	OB	1
514206**D**	6	1"1/4 x EUROK	110 mm	200086	500 mm	400,58	OB	1
514207**D**	7	1"1/4 x EUROK	110 mm	200086	500 mm	460,44	OB	1
514208**D**	8	1"1/4 x EUROK	110 mm	200086	500 mm	520,29	OB	1
514209**D**	9	1"1/4 x EUROK	110 mm	200686	600 mm	580,15	OB	1
514210**D**	10	1"1/4 x EUROK	110 mm	200686	600 mm	640,01	OB	1
514211**D**	11	1"1/4 x EUROK	110 mm	200186	700 mm	699,86	OB	1
514212**D**	12	1"1/4 x EUROK	110 mm	200186	700 mm	759,71	OB	1
514213**D**	13	1"1/4 x EUROK	110 mm	200786	800 mm	819,57	OB	1

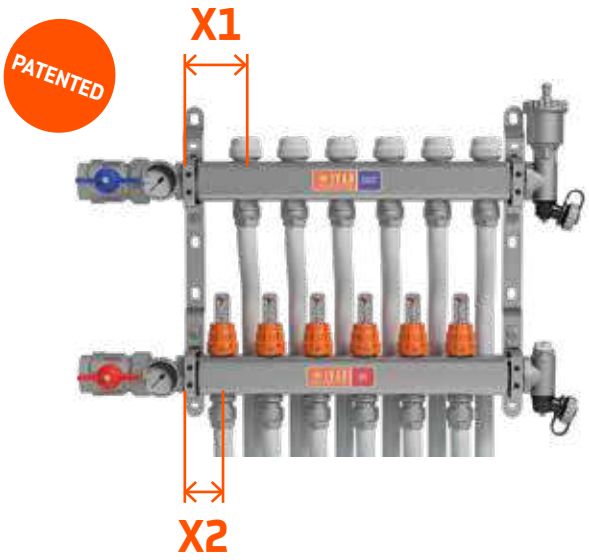
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FOCUS 1: Outlets misalignment (for 1" manifolds only)

X1 distance is 65 mm long, while X2 distance is 40 mm long.

Outputs are misaligned and this feature makes the installation of pipes very simple.



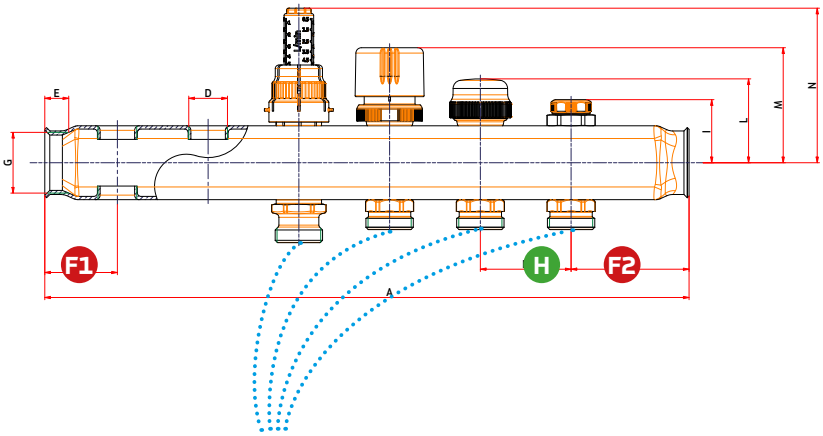
FOCUS 2: Brackets with EASY CLIP (for 1" manifolds only)

- **EASY CLIP**: they can be opened and closed without tools, simply by hand, making the installer's job easier and faster.
- **Corrosion resistance**: the PA 6.6 polymer remains unaltered by exposure to most chemicals and environmental factors, ensuring a longer service life and reducing the need for replacement or maintenance.
- Excellent **vibration-damping** properties.
- **Eco-friendly**: PA 6.6 has an excellent recyclability index even at the end of its life.



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1“ SINGLE MANIFOLD DIMENSIONS



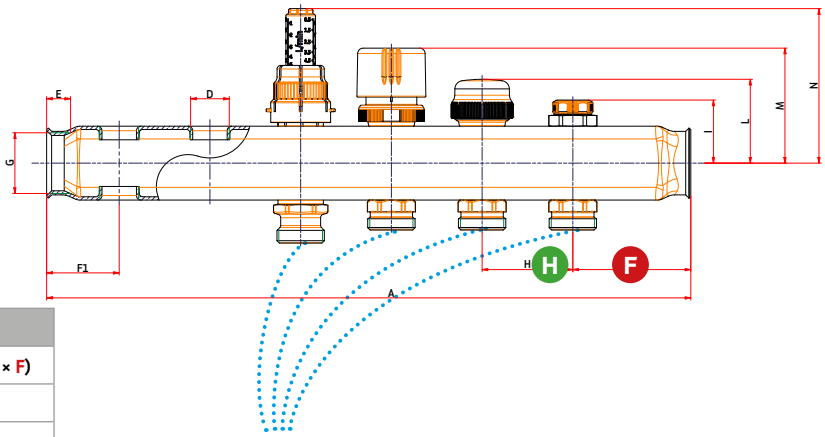
Size	1“
A	(WAYS - 1) × H + F1 + F2
B	EUROK
C	EUROK
D	1/2“ F
E	13 mm
F1	40 mm
F2	65 mm
G	1“
H	50 mm
I	36 mm
L	46,5 mm
M	66,5 mm
N	88 mm

$$A = (WAYS - 1) \times H + F1 + F2$$

Centre-to-centre distance

Distance between centreline of last way and end of manifold

1“1/4 SINGLE MANIFOLD DIMENSIONS



Size	1“1/4
A	(WAYS - 1) × H + (2 × F)
B	EUROK
C	EUROK
D	1/2“ F
E	13 mm
F	57,5 mm
G	1“1/4
H	50 mm
I	41 mm
L	51,5 mm
M	72 mm
N	93,5 mm

$$A = (WAYS - 1) \times H + (2 \times F)$$

Centre-to-centre distance

Distance between centreline of last way and end of manifold

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CI 598





* 0-5 l/min ON REQUEST

- **Collettore di mandata con misuratore/regolatore portata FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min) e attacchi EUROK.**
- *Flow manifold with flow meter/adjuster FLUXER (1": 0-2.5 l/min*; 1"1/4: 0-5 l/min) and EUROK connections.*
- **Collecteur d'envoi avec débit-mètre/régulateur FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min) et embouts EUROK.**
- *Vorlaufverteiler mit Durchflussmengenmesser FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min) und EUROK Anschlüßen.*
- **Colector de impulsión medidor/regulador de caudal FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min) y conexiones EUROK.**

Code	Ways	Size	Price	Class	Packaging
503322	2	1" x EUROK	58,91 €	OB	12
503323	3	1" x EUROK	79,38 €	OB	10
503324	4	1" x EUROK	99,88 €	OB	8
503325	5	1" x EUROK	120,36 €	OB	6
503326	6	1" x EUROK	140,82 €	OB	6
503327	7	1" x EUROK	161,32 €	OB	6
503328	8	1" x EUROK	181,78 €	OB	6
503329	9	1" x EUROK	202,26 €	OB	6
503330	10	1" x EUROK	222,75 €	OB	6
503331	11	1" x EUROK	243,23 €	OB	6
503332	12	1" x EUROK	263,70 €	OB	6
503333	13	1" x EUROK	287,14 €	OB	6
503334	14	1" x EUROK	328,46 €	OB	6
503335	15	1" x EUROK	361,24 €	OB	6
503336	16	1" x EUROK	403,13 €	OB	6
503442	2	1"1/4 x EUROK	64,08 €	OB	1
503443	3	1"1/4 x EUROK	88,71 €	OB	1
503444	4	1"1/4 x EUROK	113,34 €	OB	1
503445	5	1"1/4 x EUROK	137,95 €	OB	1
503446	6	1"1/4 x EUROK	162,57 €	OB	1
503447	7	1"1/4 x EUROK	187,21 €	OB	1
503448	8	1"1/4 x EUROK	211,83 €	OB	1
503449	9	1"1/4 x EUROK	236,44 €	OB	1
503450	10	1"1/4 x EUROK	261,06 €	OB	1
503451	11	1"1/4 x EUROK	285,69 €	OB	1
503452	12	1"1/4 x EUROK	310,31 €	OB	1
503453	13	1"1/4 x EUROK	334,93 €	OB	1
503454	14	1"1/4 x EUROK	359,55 €	OB	1
503455	15	1"1/4 x EUROK	384,19 €	OB	1
503456	16	1"1/4 x EUROK	408,81 €	OB	1

CI 598 SP





* 0-5 l/min ON REQUEST

- **Collettore di mandata con misuratore/regolatore portata FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), attacchi EUROK, attacchi supplementari per valvola di sfiato aria e valvola di carico/scarico.**
- *Flow manifold with flow meter/adjuster FLUXER (1": 0-2.5 l/min*; 1"1/4: 0-5 l/min), EUROK connections, additional connections for air vent valve and filling/drainage valve.*
- **Collecteur d'envoi avec débit-mètre/régulateur FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), embouts EUROK, embouts supplémentaires pour purgeur d´air et robinet de remplissage/vidange.**
- *Vorlaufverteiler mit Durchflussmengenmesser FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), EUROK Anschlüßen und zusätzliche Anschlüße für Entlüftungsventil und Lade-/Entladeventil.*
- **Colector de impulsión medidor/regulador de caudal FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), conexiones EUROK, conexiones adicionales para válvula de purga del aire y válvula para la carga/descarga.**

Code	Ways	Size	Price	Class	Packaging
503382	2	1" x EUROK	60,79 €	OB	12
503383	3	1" x EUROK	83,30 €	OB	12
503384	4	1" x EUROK	105,80 €	OB	8
503385	5	1" x EUROK	128,30 €	OB	6
503386	6	1" x EUROK	150,79 €	OB	6
503387	7	1" x EUROK	173,30 €	OB	6
503388	8	1" x EUROK	195,81 €	OB	6
503389	9	1" x EUROK	218,30 €	OB	6
503390	10	1" x EUROK	240,81 €	OB	6
503391	11	1" x EUROK	263,31 €	OB	6
503392	12	1" x EUROK	273,00 €	OB	6
503393	13	1" x EUROK	301,29 €	OB	6
503394	14	1" x EUROK	346,80 €	OB	6
503395	15	1" x EUROK	388,60 €	OB	6
503462	2	1"1/4 x EUROK	64,04 €	OB	1
503463	3	1"1/4 x EUROK	89,52 €	OB	1
503464	4	1"1/4 x EUROK	115,01 €	OB	1
503465	5	1"1/4 x EUROK	140,50 €	OB	1
503466	6	1"1/4 x EUROK	166,00 €	OB	1
503467	7	1"1/4 x EUROK	191,49 €	OB	1
503468	8	1"1/4 x EUROK	216,96 €	OB	1
503469	9	1"1/4 x EUROK	242,45 €	OB	1
503470	10	1"1/4 x EUROK	267,95 €	OB	1
503471	11	1"1/4 x EUROK	293,44 €	OB	1
503472	12	1"1/4 x EUROK	318,91 €	OB	1
503473	13	1"1/4 x EUROK	344,40 €	OB	1
503474	14	1"1/4 x EUROK	369,89 €	OB	1
503475	15	1"1/4 x EUROK	395,36 €	OB	1

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CI 599



- **Collettore di mandata con detentori a doppia regolazione micrometrica e attacchi EUROK.**
- *Flow manifold with micrometric dually adjusted lockshields and EUROK connections.*
- **Collecteur d'envoi avec inserts à double réglage micrometrique et embouts EUROK.**
- *Zulauffussbodenheizungsverteilerbalken mit doppelfeinvorein Stellbarenausgleichoberteile und EUROK Anschlüßen.*
- **Colector de impulsión con detentores de doble regulación micrométrica y conexiones EUROK.**

Code	Ways	Size	Price	Class	Packaging
503342	2	1" x EUROK	51,73 €	OB	12
503343	3	1" x EUROK	68,60 €	OB	12
503344	4	1" x EUROK	85,51 €	OB	8
503345	5	1" x EUROK	102,40 €	OB	6
503346	6	1" x EUROK	119,28 €	OB	6
503347	7	1" x EUROK	136,17 €	OB	6
503348	8	1" x EUROK	153,06 €	OB	6
503349	9	1" x EUROK	169,94 €	OB	6
503350	10	1" x EUROK	186,82 €	OB	6
503351	11	1" x EUROK	203,71 €	OB	6
503352	12	1" x EUROK	220,61 €	OB	6
503353	13	1" x EUROK	240,45 €	OB	6
503354	14	1" x EUROK	278,16 €	OB	6
503355	15	1" x EUROK	307,35 €	OB	6
503356	16	1" x EUROK	345,68 €	OB	6

- **Versione 1"1/4 disponibile su richiesta.**
- *1"1/4 version available on request.*
- **Version 1"1/4 disponible sur demande.**
- *1"1/4 Ausführung auf Anfrage erhältlich.*
- **Versión de 1"1/4 disponible bajo pedido.**

CI 599 SP



- **Collettore di mandata con detentori a doppia regolazione micrometrica, attacchi EUROK, attacchi supplementari per valvola di sfiato aria e valvola di carico/scarico.**
- *Flow manifold with micrometric dually adjusted lockshields, EUROK connections, additional connections for air vent valve and filling/ drainage valve.*
- **Collecteur d'envoi avec inserts à double réglage micrometrique, embouts EUROK, embouts supplémentaires pour purgeur d´air et robinet de remplissage/vidange.**
- *Zulauffussbodenheizungsverteilerbalken mit doppelfeinvorein Stellbarenausgleichoberteile, EUROK Anschlüßen und zusätzliche Anschlüße für Entlüftungsventil und Lade-/Entladeventil.*
- **Colector de impulsión con detentores de doble regulación micrométrica, conexiones EUROK, conexiones adicionales para válvula de purga del aire y válvula para la carga/descarga.**

Code	Ways	Size	Price	Class	Packaging
503402	2	1" x EUROK	53,62 €	OB	12
503403	3	1" x EUROK	71,00 €	OB	12
503404	4	1" x EUROK	88,40 €	OB	8
503405	5	1" x EUROK	105,78 €	OB	6
503406	6	1" x EUROK	123,17 €	OB	6
503407	7	1" x EUROK	140,56 €	OB	6
503408	8	1" x EUROK	157,95 €	OB	6
503409	9	1" x EUROK	175,34 €	OB	6
503410	10	1" x EUROK	192,72 €	OB	6
503411	11	1" x EUROK	210,11 €	OB	6
503412	12	1" x EUROK	229,90 €	OB	6
503413	13	1" x EUROK	254,60 €	OB	6
503414	14	1" x EUROK	296,51 €	OB	6
503415	15	1" x EUROK	334,73 €	OB	6

- **Versione 1"1/4 disponibile su richiesta.**
- *1"1/4 version available on request.*
- **Version 1"1/4 disponible sur demande.**
- *1"1/4 Ausführung auf Anfrage erhältlich.*
- **Versión de 1"1/4 disponible bajo pedido.**

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CI 583



- **Collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile e attacchi EUROK.**
- *Return manifold with isolation valves with protection cap for thermostatic insert and EUROK connections.*
- **Collecteur de retour avec vannes d´interception avec capuchon de protection pour insert thermostatisable et embouts EUROK.**
- *Rücklauf-fussbodenheizungsverteilerbalken mit Absperbarenventilen mit Schutzkappe für Thermostat-Reguliervorrichtung und EUROK Anschlüßen.*
- **Colector de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable y conexiones EUROK.**

Code	Ways	Size	Price	Class	Packaging
503182	2	1" x EUROK	47,87 €	OB	12
503183	3	1" x EUROK	63,61 €	OB	12
503184	4	1" x EUROK	79,33 €	OB	8
503185	5	1" x EUROK	95,08 €	OB	6
503186	6	1" x EUROK	110,81 €	OB	6
503187	7	1" x EUROK	126,54 €	OB	6
503188	8	1" x EUROK	142,28 €	OB	6
503189	9	1" x EUROK	158,01 €	OB	6
503190	10	1" x EUROK	173,73 €	OB	6
503191	11	1" x EUROK	189,49 €	OB	6
503192	12	1" x EUROK	205,21 €	OB	6
503193	13	1" x EUROK	223,88 €	OB	6
503194	14	1" x EUROK	257,67 €	OB	6
503195	15	1" x EUROK	285,33 €	OB	6
503196	16	1" x EUROK	321,36 €	OB	6
503482	2	1"1/4 x EUROK	54,95 €	OB	1
503483	3	1"1/4 x EUROK	75,18 €	OB	1
503484	4	1"1/4 x EUROK	95,42 €	OB	1
503485	5	1"1/4 x EUROK	115,64 €	OB	1
503486	6	1"1/4 x EUROK	135,88 €	OB	1
503487	7	1"1/4 x EUROK	156,10 €	OB	1
503488	8	1"1/4 x EUROK	176,33 €	OB	1
503489	9	1"1/4 x EUROK	196,55 €	OB	1
503490	10	1"1/4 x EUROK	216,80 €	OB	1
503491	11	1"1/4 x EUROK	237,02 €	OB	1
503492	12	1"1/4 x EUROK	257,26 €	OB	1
503493	13	1"1/4 x EUROK	277,48 €	OB	1
503494	14	1"1/4 x EUROK	297,72 €	OB	1
503495	15	1"1/4 x EUROK	317,96 €	OB	1
503496	16	1"1/4 x EUROK	338,16 €	OB	1

CI 583 SP



- **Collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatizzabile, attacchi EUROK, attacchi supplementari per valvola di sfiato aria e valvola di carico/scarico.**
- *Return manifold with isolation valves with protection cap for thermostatic insert, EUROK connections, additional connections for air vent valve and filling/drainage valve.*
- **Collecteur de retour avec vannes d´interception avec capuchon de protection pour insert thermostatisable, embouts EUROK, embouts supplémentaires pour purgeur d´air et robinet de remplissage/vidange.**
- *Rücklauf-fussbodenheizungsverteilerbalken mit Absperbarenventilen mit Schutzkappe für Thermostat-Reguliervorrichtung, EUROK Anschlüßen und zusätzliche Anschlüße für Entlüftungsventil und Lade-/Entladeventil.*
- **Colector de retorno con válvulas de cierre con tapa de protección para tornillo termostatizable, conexiones EUROK, conexiones adicionales para válvula de purga del aire y válvula para la carga/descarga.**

Code	Ways	Size	Price	Class	Packaging
503362	2	1" x EUROK	49,77 €	OB	12
503363	3	1" x EUROK	66,00 €	OB	12
503364	4	1" x EUROK	82,25 €	OB	8
503365	5	1" x EUROK	98,49 €	OB	6
503366	6	1" x EUROK	114,74 €	OB	6
503367	7	1" x EUROK	130,99 €	OB	6
503368	8	1" x EUROK	147,23 €	OB	6
503369	9	1" x EUROK	163,48 €	OB	6
503370	10	1" x EUROK	179,72 €	OB	6
503371	11	1" x EUROK	195,98 €	OB	6
503372	12	1" x EUROK	214,51 €	OB	6
503373	13	1" x EUROK	238,02 €	OB	6
503374	14	1" x EUROK	276,03 €	OB	6
503375	15	1" x EUROK	312,69 €	OB	6
514362	2	1"1/4 x EUROK	56,85 €	OB	1
514363	3	1"1/4 x EUROK	77,98 €	OB	1
514364	4	1"1/4 x EUROK	99,08 €	OB	1
514365	5	1"1/4 x EUROK	120,20 €	OB	1
514366	6	1"1/4 x EUROK	141,34 €	OB	1
514367	7	1"1/4 x EUROK	162,45 €	OB	1
514368	8	1"1/4 x EUROK	183,56 €	OB	1
514369	9	1"1/4 x EUROK	204,69 €	OB	1
514370	10	1"1/4 x EUROK	225,81 €	OB	1
514371	11	1"1/4 x EUROK	246,92 €	OB	1
514372	12	1"1/4 x EUROK	268,04 €	OB	1
514373	13	1"1/4 x EUROK	289,17 €	OB	1
514374	14	1"1/4 x EUROK	310,29 €	OB	1
514375	15	1"1/4 x EUROK	331,40 €	OB	1

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CS 580



- **Collettore semplice con attacchi EUROK.**
- *Plain manifold with EUROK connections.*
- **Collecteur simple avec embouts EUROK.**
- *Verteilerbalken mit EUROK Anschlussnippeln.*
- **Colector simple con conexiones EUROK.**

Code	Ways	Size	Price	Class	Packaging
503622	2	1" x EUROK	35,81 €	OA	36
503623	3	1" x EUROK	44,38 €	OA	26
503624	4	1" x EUROK	52,92 €	OA	18
503625	5	1" x EUROK	61,47 €	OA	16
503626	6	1" x EUROK	70,01 €	OA	14
503627	7	1" x EUROK	78,58 €	OA	14
503628	8	1" x EUROK	87,12 €	OA	14
503629	9	1" x EUROK	95,68 €	OA	14
503630	10	1" x EUROK	104,22 €	OA	14
503631	11	1" x EUROK	112,79 €	OA	14
503632	12	1" x EUROK	121,33 €	OA	14
503633	13	1" x EUROK	129,88 €	OA	14

- **Versione 1"1/4 disponibile su richiesta.**
- *1"1/4 version available on request.*
- **Version 1"1/4 disponible sur demande.**
- *1"1/4 Ausführung auf Anfrage erhältlich.*
- **Versión de 1"1/4 disponible bajo pedido.**

CS 584



- **Kit collettori semplici con staffe e attacchi EUROK.**
- *Plain manifolds kit with brackets and EUROK connections.*
- **Kit de collecteurs simples avec étriers et embouts EUROK.**
- *Heizkörper-verteiler-kit mit Haltebügeln und EUROK Anschlüßen.*
- **Conjunto de colectores simples con abrazaderas y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503502P80	2	1" x EUROK	80 mm	200086	500 mm	97,13 €	OA	1
503503P80	3	1" x EUROK	80 mm	200086	500 mm	114,24 €	OA	1
503504P80	4	1" x EUROK	80 mm	200086	500 mm	131,36 €	OA	1
503505P80	5	1" x EUROK	80 mm	200086	500 mm	148,45 €	OA	1
503506P80	6	1" x EUROK	80 mm	200086	500 mm	165,56 €	OA	1
503507P80	7	1" x EUROK	80 mm	200086	500 mm	182,66 €	OA	1
503508P80	8	1" x EUROK	80 mm	200086	500 mm	199,77 €	OA	1
503509P80	9	1" x EUROK	80 mm	200686	600 mm	216,86 €	OA	1
503510P80	10	1" x EUROK	80 mm	200686	600 mm	233,97 €	OA	1
503511P80	11	1" x EUROK	80 mm	200186	700 mm	251,07 €	OA	1
503512P80	12	1" x EUROK	80 mm	200186	700 mm	268,18 €	OA	1
503513P80	13	1" x EUROK	80 mm	200786	800 mm	285,29 €	OA	1
503502	2	1" x EUROK	110 mm	200086	500 mm	97,13 €	OA	1
503503	3	1" x EUROK	110 mm	200086	500 mm	114,24 €	OA	1
503504	4	1" x EUROK	110 mm	200086	500 mm	131,36 €	OA	1
503505	5	1" x EUROK	110 mm	200086	500 mm	148,45 €	OA	1
503506	6	1" x EUROK	110 mm	200086	500 mm	165,56 €	OA	1
503507	7	1" x EUROK	110 mm	200086	500 mm	182,66 €	OA	1
503508	8	1" x EUROK	110 mm	200086	500 mm	199,77 €	OA	1
503509	9	1" x EUROK	110 mm	200686	600 mm	216,86 €	OA	1
503510	10	1" x EUROK	110 mm	200686	600 mm	233,97 €	OA	1
503511	11	1" x EUROK	110 mm	200186	700 mm	251,07 €	OA	1
503512	12	1" x EUROK	110 mm	200186	700 mm	268,18 €	OA	1
503513	13	1" x EUROK	110 mm	200786	800 mm	285,29 €	OA	1



- **Cassetta non inclusa >>p. 204,493**
- *Cabinet not included >>p. 204,493*
- **Cassette pas inclus >>p. 204,493**
- *Kasten nicht enthalten >>p. 204,493*
- **Caja no incluida >>p. 204,493**

- **Versione 1"1/4 disponibile su richiesta.**
- *1"1/4 version available on request.*
- **Version 1"1/4 disponible sur demande.**
- *1"1/4 Ausführung auf Anfrage erhältlich.*
- **Versión de 1"1/4 disponible bajo pedido.**

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CI 588 C



- **Kit composto da collettore di mandata con detentori a doppia regolazione micrometrica, collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, staffe e attacchi EUROK.**
- *Kit made of flow manifold with double micrometric adjustment lockshields, return manifold with isolation valves with protection cap for thermostatic insert, brackets and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec inserts à double réglage micrometrique, un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, étriers et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Rücklaufverteiler mit Absperbarenventile mit Schutzkappe für Thermostat-Regulierorrichtung, Haltebügeln und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con detentores de doble regulación micrométrica, colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, abrazaderas y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503572P80	2	1" x EUROK	80 mm	200086	500 mm	97,89 €	OB	1
503573P80	3	1" x EUROK	80 mm	200086	500 mm	125,35 €	OB	1
503574P80	4	1" x EUROK	80 mm	200086	500 mm	152,84 €	OB	1
503575P80	5	1" x EUROK	80 mm	200086	500 mm	180,31 €	OB	1
503576P80	6	1" x EUROK	80 mm	200086	500 mm	207,78 €	OB	1
503577P80	7	1" x EUROK	80 mm	200086	500 mm	235,23 €	OB	1
503578P80	8	1" x EUROK	80 mm	200086	500 mm	262,71 €	OB	1
503579P80	9	1" x EUROK	80 mm	200686	600 mm	290,18 €	OB	1
503580P80	10	1" x EUROK	80 mm	200686	600 mm	317,68 €	OB	1
503581P80	11	1" x EUROK	80 mm	200186	700 mm	345,14 €	OB	1
503582P80	12	1" x EUROK	80 mm	200186	700 mm	372,62 €	OB	1
503583P80	13	1" x EUROK	80 mm	200786	800 mm	421,14 €	OB	1
503572	2	1" x EUROK	110 mm	200086	500 mm	97,89 €	OB	1
503573	3	1" x EUROK	110 mm	200086	500 mm	125,35 €	OB	1
503574	4	1" x EUROK	110 mm	200086	500 mm	152,84 €	OB	1
503575	5	1" x EUROK	110 mm	200086	500 mm	180,31 €	OB	1
503576	6	1" x EUROK	110 mm	200086	500 mm	207,78 €	OB	1
503577	7	1" x EUROK	110 mm	200086	500 mm	235,23 €	OB	1
503578	8	1" x EUROK	110 mm	200086	500 mm	262,71 €	OB	1
503579	9	1" x EUROK	110 mm	200686	600 mm	290,18 €	OB	1
503580	10	1" x EUROK	110 mm	200686	600 mm	317,68 €	OB	1
503581	11	1" x EUROK	110 mm	200186	700 mm	345,14 €	OB	1
503582	12	1" x EUROK	110 mm	200186	700 mm	372,62 €	OB	1
503583	13	1" x EUROK	110 mm	200786	800 mm	421,14 €	OB	1

- **Versione 1"1/4 disponibile su richiesta.**
- *1"1/4 version available on request.*
- **Version 1"1/4 disponible sur demande.**
- *1"1/4 Ausführung auf Anfrage erhältlich.*
- **Versión de 1"1/4 disponible bajo pedido.**



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
- **Cassette pas inclus >> p. 204,493**
- *Kasten nicht enthalten >> p. 204,493*
- **Caja no incluida >> p. 204,493**



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >>p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >>p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >>p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >>p. 218**

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CI 591 C



- **Kit composto da collettore di mandata con detentori a doppia regolazione micrometrica, collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, staffe, terminali, valvole di carico/scarico, valvole di sfiato aria e attacchi EUROK.**
- *Kit made of flow manifold with double micrometric adjustment lockshields, return manifold with isolation valves with protection cap for thermostatic insert, brackets, terminals, filling/drainage valves, air vent valves and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec inserts à double réglage micrometrique, un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, étriers, parties terminales, robinets de remplissage/ vidange, purgeurs d'air et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Rücklaufverteiler mit Absperbarenventile mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln, Endstücke, Lade-/Entladeventilen, Entlüftungsventilen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con detentores de doble regulación micrométrica, colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, abrazaderas, terminales, válvulas para la carga/descarga, válvulas de purga de aire y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503222P80	2	1" x EUROK	80 mm	200086	500 mm	128,92 €	OB	1
503223P80	3	1" x EUROK	80 mm	200086	500 mm	156,40 €	OB	1
503224P80	4	1" x EUROK	80 mm	200086	500 mm	183,88 €	OB	1
503225P80	5	1" x EUROK	80 mm	200686	600 mm	211,37 €	OB	1
503226P80	6	1" x EUROK	80 mm	200686	600 mm	238,83 €	OB	1
503227P80	7	1" x EUROK	80 mm	200186	700 mm	266,28 €	OB	1
503228P80	8	1" x EUROK	80 mm	200186	700 mm	293,75 €	OB	1
503229P80	9	1" x EUROK	80 mm	200786	800 mm	321,25 €	OB	1
503230P80	10	1" x EUROK	80 mm	200786	800 mm	348,72 €	OB	1
503231P80	11	1" x EUROK	80 mm	200286	900 mm	376,19 €	OB	1
503232P80	12	1" x EUROK	80 mm	200286	900 mm	403,66 €	OB	1
503233P80	13	1" x EUROK	80 mm	200886	1000 mm	452,19 €	OB	1
503222	2	1" x EUROK	110 mm	200086	500 mm	128,92 €	OB	1
503223	3	1" x EUROK	110 mm	200086	500 mm	156,40 €	OB	1
503224	4	1" x EUROK	110 mm	200086	500 mm	183,88 €	OB	1
503225	5	1" x EUROK	110 mm	200686	600 mm	211,37 €	OB	1
503226	6	1" x EUROK	110 mm	200686	600 mm	238,83 €	OB	1
503227	7	1" x EUROK	110 mm	200186	700 mm	266,28 €	OB	1
503228	8	1" x EUROK	110 mm	200186	700 mm	293,75 €	OB	1
503229	9	1" x EUROK	110 mm	200786	800 mm	321,25 €	OB	1
503230	10	1" x EUROK	110 mm	200786	800 mm	348,72 €	OB	1
503231	11	1" x EUROK	110 mm	200286	900 mm	376,19 €	OB	1
503232	12	1" x EUROK	110 mm	200286	900 mm	403,66 €	OB	1
503233	13	1" x EUROK	110 mm	200886	1000 mm	452,19 €	OB	1

- **Versione 1"1/4 disponibile su richiesta.**
- *1"1/4 version available on request.*
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- *1"1/4 Ausführung auf Anfrage erhältlich.*
- **Versión de 1"1/4 disponible bajo pedido.**



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
- **Cassette pas inclus >> p. 204,493**
- *Kasten nicht enthalten >> p. 204,493*
- **Caja no incluida >> p. 204,493**



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >> p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >> p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >> p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >> p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >> p. 218**

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- **Kit composto da collettore di mandata con detentori a doppia regolazione micrometrica, collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, staffe, attacchi supplementari per valvole di carico/scarico e valvole di sfiato aria, attacchi EUROK.**
- *Kit made of flow manifold with double micrometric adjustment lockshields, return manifold with isolation valves with protection cap for thermostatic insert, brackets, additional connections for filling/drainage valves and air vent valves, EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec inserts à double réglage micrometrique, un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, étriers, embouts supplémentaires pour robinets de remplissage/vidange et purgeurs d'air, embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Rücklaufverteiler mit Absperbarenventile mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln, zusätzliche Anschlüße für Lade-/Entladeventile und Entlüftungsventile, EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con detentores de doble regulación micrométrica, colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, abrazaderas, conexiones adicionales para válvulas para la carga/descarga y válvulas de purga de aire, conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503522P80	2	1" x EUROK	80 mm	200086	500 mm	100,51 €	OB	1
503523P80	3	1" x EUROK	80 mm	200086	500 mm	129,06 €	OB	1
503524P80	4	1" x EUROK	80 mm	200086	500 mm	157,61 €	OB	1
503525P80	5	1" x EUROK	80 mm	200086	500 mm	186,14 €	OB	1
503526P80	6	1" x EUROK	80 mm	200086	500 mm	214,71 €	OB	1
503527P80	7	1" x EUROK	80 mm	200086	500 mm	243,26 €	OB	1
503528P80	8	1" x EUROK	80 mm	200686	600 mm	271,79 €	OB	1
503529P80	9	1" x EUROK	80 mm	200686	600 mm	300,35 €	OB	1
503530P80	10	1" x EUROK	80 mm	200186	700 mm	328,90 €	OB	1
503531P80	11	1" x EUROK	80 mm	200186	700 mm	357,45 €	OB	1
503532P80	12	1" x EUROK	80 mm	200786	800 mm	406,33 €	OB	1
503522	2	1" x EUROK	110 mm	200086	500 mm	100,51 €	OB	1
503523	3	1" x EUROK	110 mm	200086	500 mm	129,06 €	OB	1
503524	4	1" x EUROK	110 mm	200086	500 mm	157,61 €	OB	1
503525	5	1" x EUROK	110 mm	200086	500 mm	186,14 €	OB	1
503526	6	1" x EUROK	110 mm	200086	500 mm	214,71 €	OB	1
503527	7	1" x EUROK	110 mm	200086	500 mm	243,26 €	OB	1
503528	8	1" x EUROK	110 mm	200686	600 mm	271,79 €	OB	1
503529	9	1" x EUROK	110 mm	200686	600 mm	300,35 €	OB	1
503530	10	1" x EUROK	110 mm	200186	700 mm	328,90 €	OB	1
503531	11	1" x EUROK	110 mm	200186	700 mm	357,45 €	OB	1
503532	12	1" x EUROK	110 mm	200786	800 mm	406,33 €	OB	1

- **Versione 1"1/4 disponibile su richiesta.**
- *1"1/4 version available on request.*
- **Version 1"1/4 disponible sur demande.**
- *1"1/4 Ausführung auf Anfrage erhältlich.*
- **Versión de 1"1/4 disponible bajo pedido.**



- **Cassetta non inclusa >>p. 204,493**
- *Cabinet not included >>p. 204,493*
- **Cassette pas inclus >>p. 204,493**
- *Kasten nicht enthalten >>p. 204,493*
- **Caja no incluida >>p. 204,493**



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >>p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >>p. 218**
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- **Kit composto da collettore di mandata con detentori a doppia regolazione micrometrica, collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, staffe, valvole di carico/scarico, valvole di sfiato aria, tappi e attacchi EUROK.**
- *Kit made of flow manifold with double micrometric adjustment lockshields, return manifold with isolation valves with protection cap for thermostatic insert, brackets, filling/drainage valves, air vent valves, plugs and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec inserts à double réglage micrometrique, un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, étriers, robinets de remplissage/vidange, purgeurs d'air, bouchons et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit doppelfeinvorein Stellbarenausgleichoberteile, Rücklaufverteiler mit Absperbarenventile mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln, Lade-/Entladeventilen, Entlüftungsventilen, Verschlüssen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con detentores de doble regulación micrométrica, colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, abrazaderas, válvulas para la carga/descarga, válvulas de purga de aire, tapones y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503282P80	2	1" x EUROK	80 mm	200086	500 mm	120,91 €	OB	1
503283P80	3	1" x EUROK	80 mm	200086	500 mm	149,47 €	OB	1
503284P80	4	1" x EUROK	80 mm	200086	500 mm	178,01 €	OB	1
503285P80	5	1" x EUROK	80 mm	200086	500 mm	206,55 €	OB	1
503286P80	6	1" x EUROK	80 mm	200086	500 mm	235,11 €	OB	1
503287P80	7	1" x EUROK	80 mm	200086	500 mm	263,66 €	OB	1
503288P80	8	1" x EUROK	80 mm	200686	600 mm	292,20 €	OB	1
503289P80	9	1" x EUROK	80 mm	200686	600 mm	320,75 €	OB	1
503290P80	10	1" x EUROK	80 mm	200186	700 mm	349,31 €	OB	1
503291P80	11	1" x EUROK	80 mm	200186	700 mm	377,84 €	OB	1
503292P80	12	1" x EUROK	80 mm	200786	800 mm	426,72 €	OB	1
503282	2	1" x EUROK	110 mm	200086	500 mm	120,91 €	OB	1
503283	3	1" x EUROK	110 mm	200086	500 mm	149,47 €	OB	1
503284	4	1" x EUROK	110 mm	200086	500 mm	178,01 €	OB	1
503285	5	1" x EUROK	110 mm	200086	500 mm	206,55 €	OB	1
503286	6	1" x EUROK	110 mm	200086	500 mm	235,11 €	OB	1
503287	7	1" x EUROK	110 mm	200086	500 mm	263,66 €	OB	1
503288	8	1" x EUROK	110 mm	200686	600 mm	292,20 €	OB	1
503289	9	1" x EUROK	110 mm	200686	600 mm	320,75 €	OB	1
503290	10	1" x EUROK	110 mm	200186	700 mm	349,31 €	OB	1
503291	11	1" x EUROK	110 mm	200186	700 mm	377,84 €	OB	1
503292	12	1" x EUROK	110 mm	200786	800 mm	426,72 €	OB	1

- **Versione 1"1/4 disponibile su richiesta.**
- *1"1/4 version available on request.*
- **Version 1"1/4 disponible sur demande.**
- *1"1/4 Ausführung auf Anfrage erhältlich.*
- **Versión de 1"1/4 disponible bajo pedido.**



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- *Cabinet not included >>p. 204,493*
- **Cassette pas inclus >>p. 204,493**
- *Kasten nicht enthalten >>p. 204,493*
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- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >>p. 218*
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- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, staffe e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (1": 0-2.5 l/min*; 1"1/4: 0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, étriers et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), Rücklaufverteiler mit Absperbarenventile mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, abrazaderas y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503202P80	2	1" x EUROK	80 mm	200086	500 mm	120,98 €	OB	1
503203P80	3	1" x EUROK	80 mm	200086	500 mm	157,50 €	OB	1
503204P80	4	1" x EUROK	80 mm	200086	500 mm	194,03 €	OB	1
503205P80	5	1" x EUROK	80 mm	200086	500 mm	230,58 €	OB	1
503206P80	6	1" x EUROK	80 mm	200086	500 mm	267,06 €	OB	1
503207P80	7	1" x EUROK	80 mm	200086	500 mm	303,60 €	OB	1
503208P80	8	1" x EUROK	80 mm	200086	500 mm	340,13 €	OB	1
503209P80	9	1" x EUROK	80 mm	200686	600 mm	376,65 €	OB	1
503210P80	10	1" x EUROK	80 mm	200686	600 mm	413,18 €	OB	1
503211P80	11	1" x EUROK	80 mm	200186	700 mm	449,72 €	OB	1
503212P80	12	1" x EUROK	80 mm	200186	700 mm	488,63 €	OB	1
503213P80	13	1" x EUROK	80 mm	200786	800 mm	548,95 €	OB	1
503202	2	1" x EUROK	110 mm	200086	500 mm	120,98 €	OB	1
503203	3	1" x EUROK	110 mm	200086	500 mm	157,50 €	OB	1
503204	4	1" x EUROK	110 mm	200086	500 mm	194,03 €	OB	1
503205	5	1" x EUROK	110 mm	200086	500 mm	230,58 €	OB	1
503206	6	1" x EUROK	110 mm	200086	500 mm	267,06 €	OB	1
503207	7	1" x EUROK	110 mm	200086	500 mm	303,60 €	OB	1
503208	8	1" x EUROK	110 mm	200086	500 mm	340,13 €	OB	1
503209	9	1" x EUROK	110 mm	200686	600 mm	376,65 €	OB	1
503210	10	1" x EUROK	110 mm	200686	600 mm	413,18 €	OB	1
503211	11	1" x EUROK	110 mm	200186	700 mm	449,72 €	OB	1
503212	12	1" x EUROK	110 mm	200186	700 mm	488,63 €	OB	1
503213	13	1" x EUROK	110 mm	200786	800 mm	548,95 €	OB	1
514202	2	1"1/4 x EUROK	110 mm	200086	500 mm	133,16 €	OB	1
514203	3	1"1/4 x EUROK	110 mm	200086	500 mm	179,01 €	OB	1
514204	4	1"1/4 x EUROK	110 mm	200086	500 mm	224,88 €	OB	1
514205	5	1"1/4 x EUROK	110 mm	200086	500 mm	270,73 €	OB	1
514206	6	1"1/4 x EUROK	110 mm	200086	500 mm	316,58 €	OB	1
514207	7	1"1/4 x EUROK	110 mm	200086	500 mm	362,44 €	OB	1
514208	8	1"1/4 x EUROK	110 mm	200086	500 mm	408,29 €	OB	1
514209	9	1"1/4 x EUROK	110 mm	200686	600 mm	454,15 €	OB	1
514210	10	1"1/4 x EUROK	110 mm	200686	600 mm	500,01 €	OB	1
514211	11	1"1/4 x EUROK	110 mm	200186	700 mm	545,86 €	OB	1
514212	12	1"1/4 x EUROK	110 mm	200186	700 mm	591,71 €	OB	1
514213	13	1"1/4 x EUROK	110 mm	200786	800 mm	637,57 €	OB	1



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
- **Cassette pas inclus >> p. 204,493**
- *Kasten nicht enthalten >> p. 204,493*
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- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >> p. 218**
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- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >> p. 218**

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- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, staffe, terminali, valvole di carico/scarico, valvole di sfiato aria e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (1": 0-2.5 l/min*; 1"1/4: 0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, terminals, filling/drainage valves, air vent valves and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, étriers, parties terminales, robinets de remplissage/ vidange, purgeurs d'air et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), Rücklaufverteiler mit Absperbarenventile mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln, Endstücke, Lade-/Entladeventilen, Entlüftungs-ventilen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, abrazaderas, terminales, válvulas para la carga/ descarga, válvulas de purga de aire y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503242P80	2	1" x EUROK	80 mm	200086	500 mm	152,02 €	OB	1
503243P80	3	1" x EUROK	80 mm	200086	500 mm	188,55 €	OB	1
503244P80	4	1" x EUROK	80 mm	200086	500 mm	225,06 €	OB	1
503245P80	5	1" x EUROK	80 mm	200686	600 mm	261,61 €	OB	1
503246P80	6	1" x EUROK	80 mm	200686	600 mm	298,13 €	OB	1
503247P80	7	1" x EUROK	80 mm	200186	700 mm	334,65 €	OB	1
503248P80	8	1" x EUROK	80 mm	200186	700 mm	371,18 €	OB	1
503249P80	9	1" x EUROK	80 mm	200786	800 mm	407,72 €	OB	1
503250P80	10	1" x EUROK	80 mm	200786	800 mm	444,25 €	OB	1
503251P80	11	1" x EUROK	80 mm	200286	900 mm	480,78 €	OB	1
503252P80	12	1" x EUROK	80 mm	200286	900 mm	519,68 €	OB	1
503253P80	13	1" x EUROK	80 mm	200886	1000 mm	580,01 €	OB	1
503242	2	1" x EUROK	110 mm	200086	500 mm	152,02 €	OB	1
503243	3	1" x EUROK	110 mm	200086	500 mm	188,55 €	OB	1
503244	4	1" x EUROK	110 mm	200086	500 mm	225,06 €	OB	1
503245	5	1" x EUROK	110 mm	200686	600 mm	261,61 €	OB	1
503246	6	1" x EUROK	110 mm	200686	600 mm	298,13 €	OB	1
503247	7	1" x EUROK	110 mm	200186	700 mm	334,65 €	OB	1
503248	8	1" x EUROK	110 mm	200186	700 mm	371,18 €	OB	1
503249	9	1" x EUROK	110 mm	200786	800 mm	407,72 €	OB	1
503250	10	1" x EUROK	110 mm	200786	800 mm	444,25 €	OB	1
503251	11	1" x EUROK	110 mm	200286	900 mm	480,78 €	OB	1
503252	12	1" x EUROK	110 mm	200286	900 mm	519,68 €	OB	1
503253	13	1" x EUROK	110 mm	200886	1000 mm	580,01 €	OB	1

- **Versione 1"1/4 disponibile su richiesta.**
- *1"1/4 version available on request.*
- **Version 1"1/4 disponible sur demande.**
- *1"1/4 Ausführung auf Anfrage erhältlich.*
- **Versión de 1"1/4 disponible bajo pedido.**



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
- **Cassette pas inclus >> p. 204,493**
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- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >> p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >> p. 218*
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* 0-5 l/min ON REQUEST

- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, staffe, attacchi supplementari per valvole di carico/scarico e valvole di sfiato aria, attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (1": 0-2.5 l/min*; 1"1/4: 0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, additional connections for filling/drainage valves and air vent valves, EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, étriers, embouts supplémentaires pour robinets de remplissage/vidange et purgeurs d'air, embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), Rücklaufverteiler mit Absperbarenventile mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln, zusätzliche Anschlüße für Lade-/Entladeventile und Entlüftungsventile, EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, abrazaderas, conexiones adicionales para válvulas para la carga/descarga y válvulas de purga de aire, conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503542P80	2	1" x EUROK	80 mm	200086	500 mm	123,58 €	OB	1
503543P80	3	1" x EUROK	80 mm	200086	500 mm	161,19 €	OB	1
503544P80	4	1" x EUROK	80 mm	200086	500 mm	198,79 €	OB	1
503545P80	5	1" x EUROK	80 mm	200086	500 mm	236,40 €	OB	1
503546P80	6	1" x EUROK	80 mm	200086	500 mm	274,01 €	OB	1
503547P80	7	1" x EUROK	80 mm	200086	500 mm	311,62 €	OB	1
503548P80	8	1" x EUROK	80 mm	200686	600 mm	349,23 €	OB	1
503549P80	9	1" x EUROK	80 mm	200686	600 mm	386,82 €	OB	1
503550P80	10	1" x EUROK	80 mm	200186	700 mm	424,44 €	OB	1
503551P80	11	1" x EUROK	80 mm	200186	700 mm	462,02 €	OB	1
503552P80	12	1" x EUROK	80 mm	200786	800 mm	522,35 €	OB	1
503542	2	1" x EUROK	110 mm	200086	500 mm	123,58 €	OB	1
503543	3	1" x EUROK	110 mm	200086	500 mm	161,19 €	OB	1
503544	4	1" x EUROK	110 mm	200086	500 mm	198,79 €	OB	1
503545	5	1" x EUROK	110 mm	200086	500 mm	236,40 €	OB	1
503546	6	1" x EUROK	110 mm	200086	500 mm	274,01 €	OB	1
503547	7	1" x EUROK	110 mm	200086	500 mm	311,62 €	OB	1
503548	8	1" x EUROK	110 mm	200686	600 mm	349,23 €	OB	1
503549	9	1" x EUROK	110 mm	200686	600 mm	386,82 €	OB	1
503550	10	1" x EUROK	110 mm	200186	700 mm	424,44 €	OB	1
503551	11	1" x EUROK	110 mm	200186	700 mm	462,02 €	OB	1
503552	12	1" x EUROK	110 mm	200786	800 mm	522,35 €	OB	1
514222	2	1"1/4 x EUROK	110 mm	200086	500 mm	131,29 €	OB	1
514223	3	1"1/4 x EUROK	110 mm	200086	500 mm	176,89 €	OB	1
514224	4	1"1/4 x EUROK	110 mm	200086	500 mm	222,51 €	OB	1
514225	5	1"1/4 x EUROK	110 mm	200086	500 mm	268,12 €	OB	1
514226	6	1"1/4 x EUROK	110 mm	200086	500 mm	313,71 €	OB	1
514227	7	1"1/4 x EUROK	110 mm	200086	500 mm	359,31 €	OB	1
514228	8	1"1/4 x EUROK	110 mm	200686	600 mm	404,91 €	OB	1
514229	9	1"1/4 x EUROK	110 mm	200686	600 mm	450,52 €	OB	1
514230	10	1"1/4 x EUROK	110 mm	200186	700 mm	496,14 €	OB	1
514231	11	1"1/4 x EUROK	110 mm	200186	700 mm	541,73 €	OB	1
514232	12	1"1/4 x EUROK	110 mm	200786	800 mm	587,33 €	OB	1



- **Cassetta non inclusa >>p. 204,493**
- *Cabinet not included >>p. 204,493*
- **Cassette pas inclus >>p. 204,493**
- *Kasten nicht enthalten >>p. 204,493*
- **Caja no incluida >>p. 204,493**



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >> p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >> p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >> p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >> p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >> p. 218**

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CI 587 C



- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, staffe, valvole di carico/scarico, valvole di sfiato aria, tappi e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (1": 0-2.5 l/min*; 1"1/4: 0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, filling/drainage valves, air vent valves, plugs and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, étriers, robinets de remplissage/vidange, purgeurs d'air, bouchons et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), Rücklaufverteiler mit Absperbarenventile mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln, Lade-/Entladeventilen, Entlüftungsventilen, Verschlüssen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (1": 0-2,5 l/min*; 1"1/4: 0-5 l/min), colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, abrazaderas, válvulas para la carga/descarga, válvulas de purga de aire, tapones y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503262P80	2	1" x EUROK	80 mm	200086	500 mm	143,98 €	OB	1
503263P80	3	1" x EUROK	80 mm	200086	500 mm	181,59 €	OB	1
503264P80	4	1" x EUROK	80 mm	200086	500 mm	219,20 €	OB	1
503265P80	5	1" x EUROK	80 mm	200086	500 mm	256,80 €	OB	1
503266P80	6	1" x EUROK	80 mm	200086	500 mm	294,41 €	OB	1
503267P80	7	1" x EUROK	80 mm	200086	500 mm	332,03 €	OB	1
503268P80	8	1" x EUROK	80 mm	200686	600 mm	369,62 €	OB	1
503269P80	9	1" x EUROK	80 mm	200686	600 mm	407,23 €	OB	1
503270P80	10	1" x EUROK	80 mm	200186	700 mm	444,84 €	OB	1
503271P80	11	1" x EUROK	80 mm	200186	700 mm	482,43 €	OB	1
503272P80	12	1" x EUROK	80 mm	200786	800 mm	542,75 €	OB	1
503262	2	1" x EUROK	110 mm	200086	500 mm	143,98 €	OB	1
503263	3	1" x EUROK	110 mm	200086	500 mm	181,59 €	OB	1
503264	4	1" x EUROK	110 mm	200086	500 mm	219,20 €	OB	1
503265	5	1" x EUROK	110 mm	200086	500 mm	256,80 €	OB	1
503266	6	1" x EUROK	110 mm	200086	500 mm	294,41 €	OB	1
503267	7	1" x EUROK	110 mm	200086	500 mm	332,03 €	OB	1
503268	8	1" x EUROK	110 mm	200686	600 mm	369,62 €	OB	1
503269	9	1" x EUROK	110 mm	200686	600 mm	407,23 €	OB	1
503270	10	1" x EUROK	110 mm	200186	700 mm	444,84 €	OB	1
503271	11	1" x EUROK	110 mm	200186	700 mm	482,43 €	OB	1
503272	12	1" x EUROK	110 mm	200786	800 mm	542,75 €	OB	1

- **Versione 1"1/4 disponibile su richiesta.**
- *1"1/4 version available on request.*
- **Version 1"1/4 disponible sur demande.**
- *1"1/4 Ausführung auf Anfrage erhältlich.*
- **Versión de 1"1/4 disponible bajo pedido.**



- **Cassetta non inclusa >>p. 204,493**
- *Cabinet not included >>p. 204,493*
- **Cassette pas inclus >>p. 204,493**
- *Kasten nicht enthalten >>p. 204,493*
- **Caja no incluida >>p. 204,493**



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >> p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >> p. 218*
- **Il est possible de commander ces articles équipés d'inserts avec équilibrage dynamique (en ajoutant le suffixe «D» au code). >> p. 218**
- *Sie können diese Artikel mit Einsatz mit dynamischem Ausgleich (Fügen Sie das „D" Nachsilbe, um den Code) bestellen. >> p. 218*
- **Puede pedir estos artículos con tornillos con equilibrado dinámico (sufijo "D" al final del código). >> p. 218**

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CI 592 KC (1")





- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (0-2,5 l/min*), collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, staffe, terminali, valvole di carico/scarico, valvole di sfiato aria e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (0-2.5 l/min*), return manifold with isolation valves with protection cap for thermostatic insert, brackets, terminals, filling/drainage valves, air vent valves and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (0-2,5 l/min*), un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, étriers, parties terminales, robinets de remplissage/ vidange, purgeurs d'air et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (0-2,5 l/min*), Rücklaufverteiler mit Absperbarenventile mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln, Endstücke, Lade-/Entladeventilen, Entlüftungsventilen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (0-2,5 l/min*), colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, abrazaderas, terminales, válvulas para la carga/descarga, válvulas de purga de aire y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503242KC	2	1" x EUROK	80 mm	200086	500 mm	162,27 €	OB	1
503243KC	3	1" x EUROK	80 mm	200086	500 mm	198,80 €	OB	1
503244KC	4	1" x EUROK	80 mm	200086	500 mm	235,35 €	OB	1
503245KC	5	1" x EUROK	80 mm	200686	600 mm	271,87 €	OB	1
503246KC	6	1" x EUROK	80 mm	200686	600 mm	308,39 €	OB	1
503247KC	7	1" x EUROK	80 mm	200186	700 mm	344,90 €	OB	1
503248KC	8	1" x EUROK	80 mm	200186	700 mm	381,43 €	OB	1
503249KC	9	1" x EUROK	80 mm	200786	800 mm	417,98 €	OB	1
503250KC	10	1" x EUROK	80 mm	200786	800 mm	454,50 €	OB	1
503251KC	11	1" x EUROK	80 mm	200286	900 mm	491,03 €	OB	1
503252KC	12	1" x EUROK	80 mm	200286	900 mm	529,96 €	OB	1
503253KC	13	1" x EUROK	80 mm	200886	1000 mm	590,27 €	OB	1

CI 592 KC (1"1/4)



- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (0-5 l/min), collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, staffe, valvole di carico/scarico, valvole di sfiato aria, tappi e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, filling/drainage valves, air vent valves, plugs and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (0-5 l/min), un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, étriers, robinets de remplissage/vidange, purgeurs d'air, bouchons et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (0-5 l/min), Rücklaufverteiler mit Absperbarenventile mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln, Lade-/Entladeventilen, Entlüftungsventilen, Verschlüssen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (0-5 l/min), colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, abrazaderas, válvulas para la carga/ descarga, válvulas de purga de aire, tapones y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
514242KC	2	1"1/4 x EUROK	110 mm	200086	500 mm	169,50 €	OB	1
514243KC	3	1"1/4 x EUROK	110 mm	200086	500 mm	215,10 €	OB	1
514244KC	4	1"1/4 x EUROK	110 mm	200086	500 mm	260,71 €	OB	1
514245KC	5	1"1/4 x EUROK	110 mm	200686	600 mm	306,32 €	OB	1
514246KC	6	1"1/4 x EUROK	110 mm	200686	600 mm	351,92 €	OB	1
514247KC	7	1"1/4 x EUROK	110 mm	200186	700 mm	397,51 €	OB	1
514248KC	8	1"1/4 x EUROK	110 mm	200186	700 mm	443,12 €	OB	1
514249KC	9	1"1/4 x EUROK	110 mm	200786	800 mm	488,73 €	OB	1
514250KC	10	1"1/4 x EUROK	110 mm	200786	800 mm	534,33 €	OB	1
514251KC	11	1"1/4 x EUROK	110 mm	200286	900 mm	579,94 €	OB	1
514252KC	12	1"1/4 x EUROK	110 mm	200286	900 mm	625,53 €	OB	1



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
- **Cassette pas inclus >> p. 204,493**
- *Kasten nicht enthalten >> p. 204,493*
- **Caja no incluida >> p. 204,493**



- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >> p. 218**
- *It is possible to order these items with dynamic balancing inserts (adding suffix "D" at the end of the code). >> p. 218*
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KCA 02 A (1")





* 0-5 l/min ON REQUEST

- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (0-2,5 l/min*), collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, staffe, valvole a sfera diritte con bocchettone, termometri, terminali, valvole di carico/scarico, valvole di sfiato aria e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (0-2.5 l/min*), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (0-2,5 l/min*), un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, étriers, vannes à bille droites avec raccord, thermomètres, parties terminales, robinets de remplissage/vidange, purgeurs d'air et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (0-2,5 l/min*), Rücklaufverteiler mit Absperbarenventilen mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln, Durchgangs-Kugelventilen mit Verschraubung, Thermometer, Endstücke, Lade-/Entladeventilen, Entlüftungsventilen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (0-2,5 l/min*), colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, abrazaderas, válvulas de bola rectas con manguito de unión, termómetros, terminales, válvulas para la carga/descarga, válvulas de purga de aire y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503202AIV	2	1" x EUROK	80 mm	200086	500 mm	277,93 €	OB	1
503203AIV	3	1" x EUROK	80 mm	200086	500 mm	314,47 €	OB	1
503204AIV	4	1" x EUROK	80 mm	200086	500 mm	351,01 €	OB	1
503205AIV	5	1" x EUROK	80 mm	200686	600 mm	387,53 €	OB	1
503206AIV	6	1" x EUROK	80 mm	200686	600 mm	424,06 €	OB	1
503207AIV	7	1" x EUROK	80 mm	200186	700 mm	460,59 €	OB	1
503208AIV	8	1" x EUROK	80 mm	200186	700 mm	497,11 €	OB	1
503209AIV	9	1" x EUROK	80 mm	200786	800 mm	533,65 €	OB	1
503210AIV	10	1" x EUROK	80 mm	200786	800 mm	570,19 €	OB	1
503211AIV	11	1" x EUROK	80 mm	200286	900 mm	606,71 €	OB	1
503212AIV	12	1" x EUROK	80 mm	200286	900 mm	645,64 €	OB	1
503213AIV	13	1" x EUROK	80 mm	200886	1000 mm	705,96 €	OB	1

KCA 02 AS (1")





* 0-5 l/min ON REQUEST

- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (0-2,5 l/min*), collettore di ritorno con valvole di intercettazione con cappuccio di protezione per vitone termostatico, staffe, valvole a sfera a squadra con bocchettone, termometri, terminali, valvole di carico/ scarico, valvole di sfiato aria e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (0-2.5 l/min*), return manifold with isolation valves with protection cap for thermostatic insert, brackets, square ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (0-2,5 l/min*), un collecteur de retour avec des vannes d´interception avec capuchon de protection pour insert thermostatique, étriers, vannes à bille équerre avec raccord, thermomètres, parties terminales, robinets de remplissage/vidange, purgeurs d'air et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (0-2,5 l/min*), Rücklaufverteiler mit Absperbarenventilen mit Schutzkappe für Thermostat-Reguliervorrichtung, Haltebügeln, Eck-Kugelventilen mit Verschraubung, Thermometer, Endstücke, Lade-/Entladeventilen, Entlüftungsventilen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (0-2,5 l/min*), colector de retorno con válvulas de cierre con tapa de protección para tornillo termostático, abrazaderas, válvulas de bola de escuadra con manguito de unión, termómetros, terminales, válvulas para la carga/descarga, válvulas de purga de aire y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
503202ASIV	2	1" x EUROK	80 mm	200086	500 mm	287,45 €	OB	1
503203ASIV	3	1" x EUROK	80 mm	200086	500 mm	323,99 €	OB	1
503204ASIV	4	1" x EUROK	80 mm	200086	500 mm	360,52 €	OB	1
503205ASIV	5	1" x EUROK	80 mm	200686	600 mm	397,05 €	OB	1
503206ASIV	6	1" x EUROK	80 mm	200686	600 mm	433,57 €	OB	1
503207ASIV	7	1" x EUROK	80 mm	200186	700 mm	470,09 €	OB	1
503208ASIV	8	1" x EUROK	80 mm	200186	700 mm	506,64 €	OB	1
503209ASIV	9	1" x EUROK	80 mm	200786	800 mm	543,17 €	OB	1
503210ASIV	10	1" x EUROK	80 mm	200786	800 mm	579,69 €	OB	1
503211ASIV	11	1" x EUROK	80 mm	200286	900 mm	616,22 €	OB	1
503212ASIV	12	1" x EUROK	80 mm	200286	900 mm	655,14 €	OB	1
503213ASIV	13	1" x EUROK	80 mm	200886	1000 mm	715,46 €	OB	1



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
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- *Kasten nicht enthalten >> p. 204,493*
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- **È possibile ordinare questi articoli dotati di vitone con bilanciamento dinamico (aggiungere il suffisso "D" al codice). >>p. 218**
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TECHNOPOLYMER MANIFOLDS

The CP 002 KC family of manifolds are modular and manufactured from reinforced polyamide. Their main feature is the presence of a dual chamber which makes them particularly suitable for radiant cooling applications. Air chambers are arranged around the central chamber in which the water flows, providing insulation and condensation protection: the cold water circulating in cooling mode is isolated from direct contact with the environment by these chambers, preventing dripping condensation which can occur during summer due to high ambient temperatures and humidity levels. As such, when appropriate dehumidification systems are used, it is possible to circulate water at temperatures as low as 14 °C.
The manifolds kit is equipped with Fluxer on the flow manifold for correct balancing of the distribution ways and flow-rate read-out, as well as thermostatic cartridges on the return to allow the individual circuits to be shut off via electrothermic heads, where required. The flow and return manifolds are also equipped with additional way with fill/drain valve and automatic air bleed valve.

Materials
Body: PA66
Seals and O-rings: peroxide EPDM
Shutoff knobs and caps: ABS

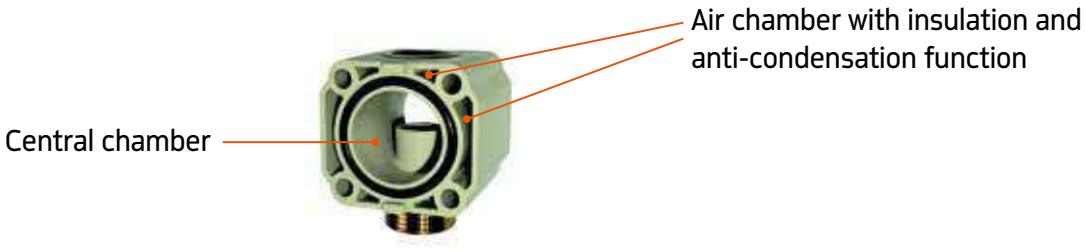
Technical specifications
Max % glycol: 50 %
Standard working pressure: 1.5÷2.5 bar
Maximum working pressure: 6 bar
Temperature range: 4÷70 °C
Main fitting: 1"
Branch fittings: 3/4" EK
Branch centre distance: 50 mm

PLUS

- **Rugged and lightweight composite materials.**
- **Resistance to chemicals, UV rays and corrosion.**
- **Suitable both for radiant heating and cooling systems.**
- **Dual-chamber system (FOCUS) with insulation and anti-condensation function.**
- **Operating with water down to 14°C in cooling mode when used with suitable dehumidification systems**

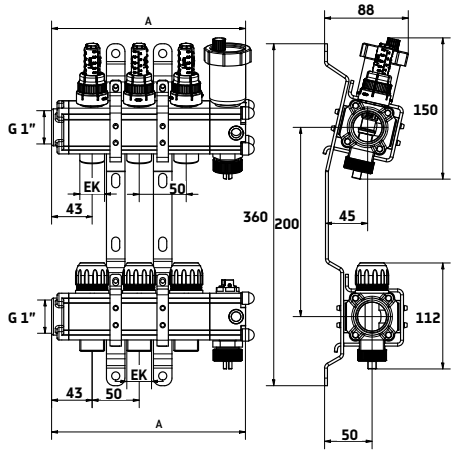
FOCUS on the 1" VERSION: Dual-chamber system

The cold water circulating in cooling mode is isolated from direct contact with the environment, preventing dripping condensation which can occur during summer due to high ambient temperatures and humidity levels.



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MANIFOLD KIT DIMENSIONS AND SUITABLE CABINET



Manifold ways		2	3	4	5	6	7	8	9	10	11	12	13	14
1" manifolds kit width **(A)**		155 mm	205 mm	255 mm	305 mm	355 mm	405 mm	455 mm	505 mm	555 mm	605 mm	655 mm	705 mm	755 mm
 AC 840 E	**Cabinet code**	**200130**	**200130**	**200130**	**200131**	**200131**	**200131**	**200131**	**200132**	**200132**	**200133**	**200133**	**200133**	**200133**
	Cabinet width	500 mm	500 mm	500 mm	700 mm	700 mm	700 mm	700 mm	850 mm	850 mm	1.000 mm	1.000 mm	1.000 mm	1.000 mm
 AC 840	**Cabinet code**	**200086**	**200086**	**200086**	**200686**	**200686**	**200186**	**200186**	**200786**	**200786**	**200286**	**200286**	**200886**	**200886**
	Cabinet width	500 mm	500 mm	500 mm	600 mm	600 mm	700 mm	700 mm	800 mm	800 mm	900 mm	900 mm	1.000 mm	1.000 mm

CP 002 KC (1")



- **Kit composto da collettore di mandata con camera d'aria e misuratori/regolatori di portata FLUXER (0-2,5 l/min), collettore di ritorno con camera d'aria, valvole di intercettazione a manovra manuale, valvole di carico/scarico, valvole di sfiato aria, tappi incorporati e attacchi EUROK.**
- *Kit made of flow manifold with air chamber and flow meters/adjusters FLUXER (0-2.5 l/min), return manifold with air chamber, manually operated isolation valves, filling/drainage valves, air vent valves, incorporated plugs and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec chambre à air et débit-mètres/régulateurs FLUXER (0-2,5 l/min), un collecteur de retour avec chambre à air, vannes d´interception à manoeuvre manuelle, robinets de remplissage/vidange, purgeurs d'air, bouchons incorporés et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Luftkammer und Durchflussmengenmesser FLUXER (0-2,5 l/min), Rücklaufverteiler mit Luftkammer, Absperbarenventile mit manueller Hebel, Lade-/Entladeventilen, Entlüftungsventilen, eingebaute Verschlüssen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con cámara de aire y medidores/reguladores de caudal FLUXER (0-2,5 l/min), colector de retorno con cámara de aire, válvulas de cierre con cabeza manual, válvulas para la carga/descarga, válvulas de purga de aire, tapones incorporados y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
400742	2	1" x EUROK	85 mm	200086	500 mm	259,90 €	NV	1
400743	3	1" x EUROK	85 mm	200086	500 mm	316,40 €	NV	1
400744	4	1" x EUROK	85 mm	200086	500 mm	375,16 €	NV	1
400745	5	1" x EUROK	85 mm	200686	600 mm	432,79 €	NV	1
400746	6	1" x EUROK	85 mm	200686	600 mm	491,55 €	NV	1
400747	7	1" x EUROK	85 mm	200186	700 mm	549,18 €	NV	1
400748	8	1" x EUROK	85 mm	200186	700 mm	612,46 €	NV	1
400749	9	1" x EUROK	85 mm	200786	800 mm	668,96 €	NV	1
400750	10	1" x EUROK	85 mm	200786	800 mm	728,85 €	NV	1
400751	11	1" x EUROK	85 mm	200286	900 mm	785,35 €	NV	1
400752	12	1" x EUROK	85 mm	200286	900 mm	847,50 €	NV	1
400753	13	1" x EUROK	85 mm	200886	1000 mm	909,65 €	NV	1
400754	14	1" x EUROK	85 mm	200886	1000 mm	971,80 €	NV	1



- **Cassetta non inclusa >> p. 204,493**
- *Cabinet not included >> p. 204,493*
- **Cassette pas inclus >> p. 204,493**
- *Kasten nicht enthalten >> p. 204,493*
- **Caja no incluida >> p. 204,493**

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CP 001 polymer manifolds are specially designed for radiant cooling systems, where they make a significant contribution to the reduction of surface condensation. They are produced in glass fibre reinforced polyamide and are supplied pre-assembled in kits on double brackets or double lowered brackets. Available in 1"1/4 version, complete with Fluxer (0-5 l/min) for flow rate control and inserts with option of thermostat control on the return manifold.

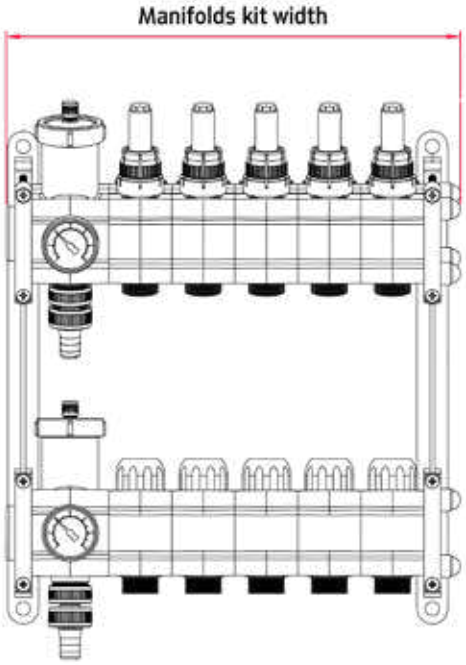
Materials
Body: PAS777
Seals and O-rings: peroxide EPDM
Shutoff knobs and caps: ABS

Technical specifications
Fluid temperature: -10 - 82 °C
Maximum operating pressure: 4 bar

PLUS

- **Rugged and lightweight composite materials.**
- **Limited formation of condensation.**
- **Resistance to chemicals, UV rays and corrosion.**
- **Suitable both for radiant heating and cooling systems.**

MANIFOLDS KIT WIDTH AND SUITABLE CABINET



Manidold ways	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1"1/4 manifolds kit width	266 mm	311 mm	356 mm	401 mm	446 mm	491 mm	536 mm	581 mm	626 mm	671 mm	716 mm	761 mm	806 mm	851 mm	896 mm
AC 840 **Cabinet code**	**200086**	**200086**	**200086**	**200686**	**200686**	**200186**	**200186**	**200786**	**200786**	**200286**	**200286**	**200886**	**200886**	**200386**	**200386**
Cabinet width	500 mm	500 mm	500 mm	600 mm	600 mm	700 mm	700 mm	800 mm	800 mm	900 mm	900 mm	1000 mm	1000 mm	1100 mm	1100 mm

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CP 001 (1"1/4)



- **Kit composto da collettore di mandata con misuratori/regolatori di portata FLUXER (0-5 l/min), collettore di ritorno con valvole di intercettazione a manovra manuale, staffe, termometri, valvole di carico/scarico, valvole di sfiato aria, tappi incorporati e attacchi EUROK.**
- *Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with manually operated isolation valves, brackets, thermometers, filling/drainage valves, air vent valves, incorporated plugs and EUROK connections.*
- **Kit composé d'un collecteur d'envoi avec débit-mètres/régulateurs FLUXER (0-5 l/min), un collecteur de retour avec des vannes d´interception à manoeuvre manuelle, étriers, thermomètres, robinets de remplissage/vidange, purgeurs d'air, bouchons incorporés et embouts EUROK.**
- *Bausatz besteht aus Zulauffusverteiler mit Durchflussmengenmesser FLUXER (0-5 l/min), Rücklaufverteiler mit Absperbarenventile mit manueller Hebel, Haltebügeln, Thermometer, Lade-/Entladeventilen, Entlüftungsventilen, eingebaute Verschlüssen und EUROK Anschlüßen.*
- **Conjunto dotado de colector de impulsión con medidores/reguladores de caudal FLUXER (0-5 l/min), colector de retorno con válvulas de cierre con cabeza manual, abrazaderas, termómetros, válvulas para la carga/descarga, válvulas de purga de aire, tapones incorporados y conexiones EUROK.**

Code	Ways	Size	Depth	Suitable Cabinet	Cabinet width	Price	Class	Packaging
410702	2	1"1/4 x EUROK	105 mm	200086	500 mm	263,29 €	NV	1
410703	3	1"1/4 x EUROK	105 mm	200086	500 mm	327,70 €	NV	1
410704	4	1"1/4 x EUROK	105 mm	200086	500 mm	396,63 €	NV	1
410705	5	1"1/4 x EUROK	105 mm	200086	600 mm	463,30 €	NV	1
410706	6	1"1/4 x EUROK	105 mm	200086	600 mm	529,97 €	NV	1
410707	7	1"1/4 x EUROK	105 mm	200686	700 mm	598,90 €	NV	1
410708	8	1"1/4 x EUROK	105 mm	200686	700 mm	668,96 €	NV	1
410709	9	1"1/4 x EUROK	105 mm	200186	800 mm	739,02 €	NV	1
410710	10	1"1/4 x EUROK	105 mm	200186	800 mm	811,34 €	NV	1
410711	11	1"1/4 x EUROK	105 mm	200786	900 mm	878,01 €	NV	1
410712	12	1"1/4 x EUROK	105 mm	200786	900 mm	950,33 €	NV	1
410713	13	1"1/4 x EUROK	105 mm	200286	1000 mm	1.023,78 €	NV	1
410714	14	1"1/4 x EUROK	105 mm	200286	1000 mm	1.092,71 €	NV	1
410715	15	1"1/4 x EUROK	105 mm	200886	1100 mm	1.162,77 €	NV	1
410716	16	1"1/4 x EUROK	105 mm	200886	1100 mm	1.356,00 €	NV	1



- **Cassetta non inclusa >> p. 204,493**
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- **Caja no incluida >> p. 204,493**

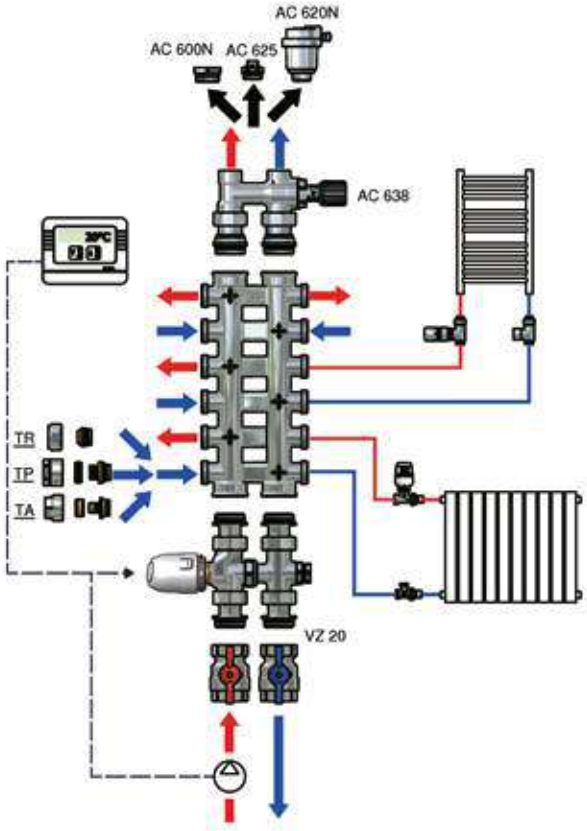
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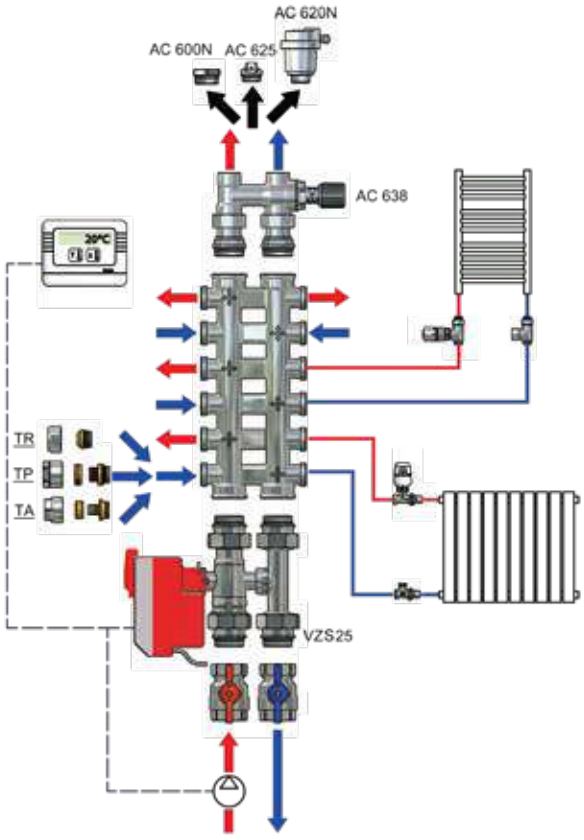
COPLANAR MANIFOLDS

Coplanar manifolds integrate the flow and return manifold in a single component: they are therefore particularly compact and frequently used in traditional radiator heating systems, often in combination with a zone valve where there is a separate zone system.
Innovative and patented, the CC 00 coplanar manifold has important advantages compared to traditional coplanar manifolds: the design of the component has been particularly cared for so that the main ducts are completely empty and have no crossing tubes; this characteristic gives very low pressure drops and avoids possible mixing between flow and return due to imperfect sealing, typical of crossing tubes.
The manifold is made of cast brass and is 100% tested by means of air tests to verify the absence of porosity or micro-blooding that may be the cause of any leaks.
The coplanar manifold is also characterised by the absence of offset between flow and return, making it particularly compact in depth and easy to install in reduced thicknesses (less than 40 mm for size ¾ and less than 50 mm for size 1").
They are available in versions from 4 + 4 up to 12 + 12 branches and allow connection with various types of pipe (copper, polyethylene, multilayer, etc.), using the appropriate fittings. They are also further modular with the help of soft-seal swivel nipples.
They are completed with a range of dedicated accessories such as zone valves (piston or ball), overpressure bypasses with connections for connecting air release valves.

Materials
Body: brass CB753S

Technical characteristics
Maximum fluid temperature: 120°C
Maximum operating pressure: 10 bar





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CC 00



- **Collettore complanare monoblocco.**
- *Coplanar monoblock manifold.*
- **Collecteur coplanaire monobloc.**
- *Koplanarer Monoblockverteiler.*
- **Colector coplanario monobloque.**

Code	Ways	Size	Price	Class	Packaging
502200	4	3/4" x EUROK	74,60 €	NQ	1
502202	6	3/4" x EUROK	102,57 €	NQ	1
502204	8	3/4" x EUROK	138,40 €	NQ	1
502201	4	1" x EUROK	79,45 €	NQ	1
502203	6	1" x EUROK	117,34 €	NQ	1
502205	8	1" x EUROK	153,84 €	NQ	1
502207	10	1" x EUROK	253,49 €	NQ	1

AC 638



- **Valvola di bypass differenziale regolabile per collettori complanari monoblocco.**
- *Adjustible bypass differential valve for monoblock coplanar manifolds.*
- **Vanne de by-pass différentiel réglable pour collecteurs coplanaires monobloc.**
- *Differenziales regulierbares Bypass-Ventil für komplanare Monoblockverteiler.*
- **Válvula de bypass diferencial ajustable para colectores coplanares.**

Code	Size	Range	Price	Class	Packaging
507015	3/4"	0,2-0,6 bar	53,47 €	NJ	1 / 10
507016	1"	0,2-0,6 bar	53,47 €	NJ	1 / 10

VZ 20



- **Valvola di zona con bypass regolabile e memoria di posizione per collettori complanari monoblocco.**
- *Zone valve with adjustable bypass and memorized settings for monoblock coplanar manifolds.*
- **Vanne de zone avec by-pass réglable et mémoire de position pour collecteurs coplanaires monobloc.**
- *Zonenventil mit einstellbarem Bypass und Positionsspeicher für komplanare MonoblockVerteiler.*
- **Válvula de zona con bypass regulable y memoria de posición para colectores coplanares monobloque.**

Code	Size	Price	Class	Packaging
550705	3/4"	77,64 €	NY	1 / 10
550706	1"	77,64 €	NY	1 / 10



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VZS 25



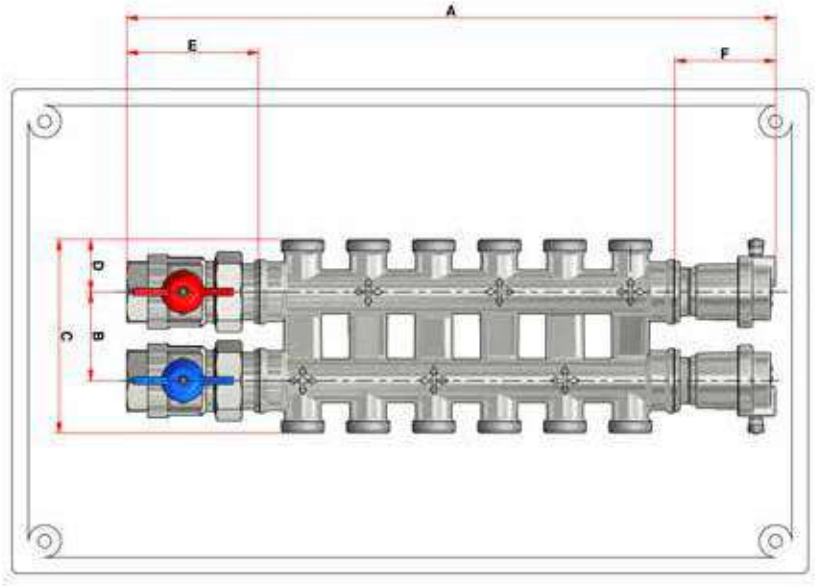
- **Valvola di zona a sfera per collettori complanari monoblocco.**
- *Ball zone valve for monoblock coplanar manifolds.*
- **Vanne de zone à bille pour collecteurs coplanaires monobloc.**
- *Zonenkugelventil für komplanare MonoblockVerteiler.*
- **Válvula de zona de bola para colectores coplanares monobloque.**

Code	Size	Price	Class	Packaging
506232	3/4" - Distance 49-63 mm	128,47 €	NX	1
506233	1" - Distance 49-63 mm	158,47 €	NX	1

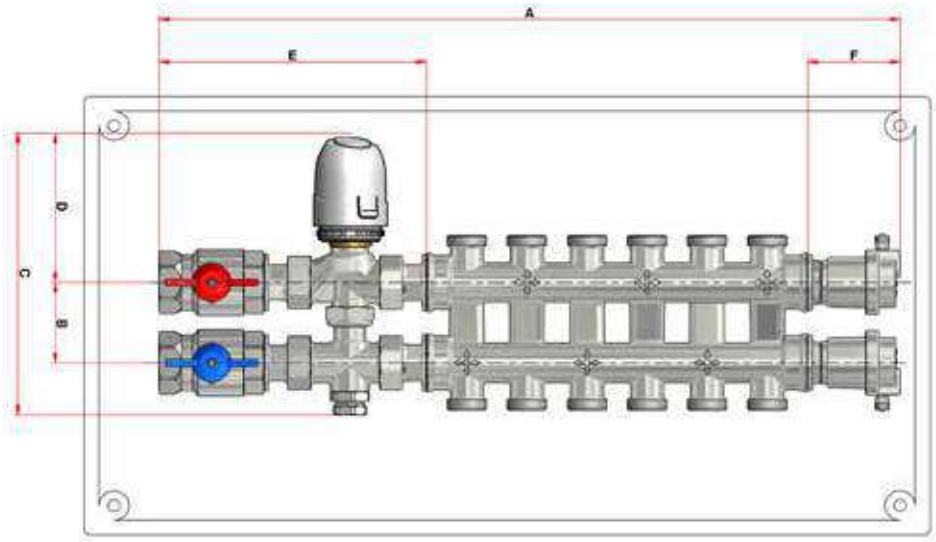


• >>p. 230,471

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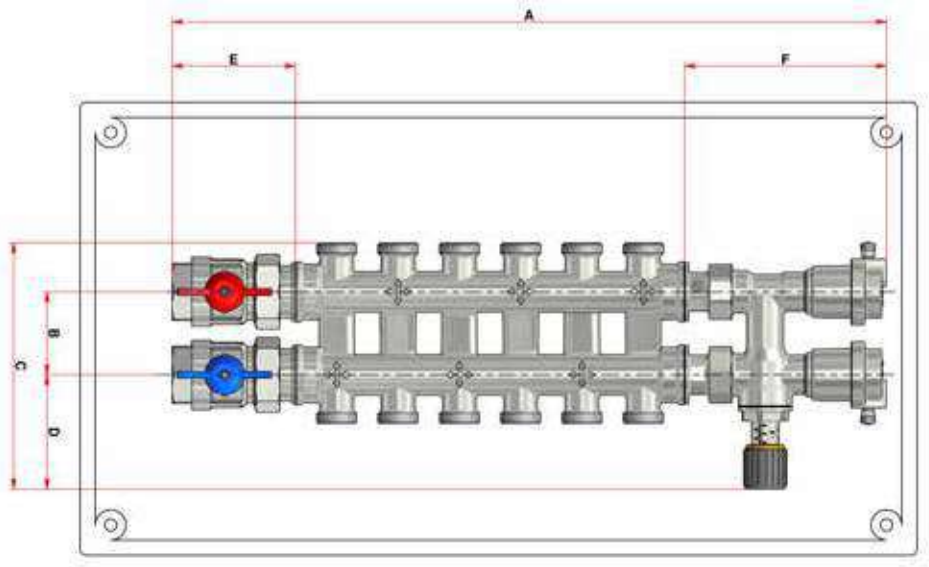


WAYS	A	B	C	D	E	F	Suitable cabinet (AC 850)	Suitable cabinet (AC 852)
2	225	55	120	32,5	81	62	SAM-032	SAM-135
4	320	55	120	32,5	81	62	SAM-040	SAM-150
6	400	55	120	32,5	81	62	SAM-050	SAM-150
8	480	55	120	32,5	81	62	SAM-060	SAM-165
10	560	55	120	32,5	81	62	SAM-060	SAM-165
12	640	55	120	32,5	81	62	/	SAM-180

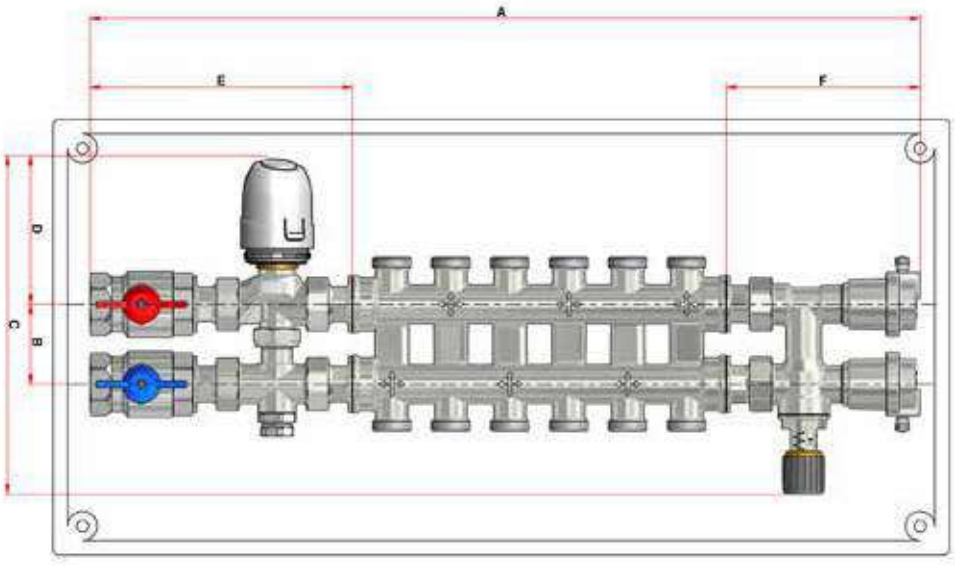


WAYS	A	B	C	D	E	F	Suitable cabinet (AC 850)	Suitable cabinet (AC 852)
2	330	55	184	103	178	62	SAM-040	SAM-150
4	415	55	184	103	178	62	SAM-050	SAM-150
6	495	55	184	103	178	62	SAM-060	SAM-165
8	575	55	184	103	178	62	SAM-060	SAM-165
10	655	55	184	103	178	62	/	SAM-180
12	735	55	184	103	178	62	/	SAM-180

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WAYS	A	B	C	D	E	F	Suitable cabinet (AC 850)	Suitable cabinet (AC 852)
2	305	55	164	76	81	132	SAM-040	SAM-150
4	390	55	164	76	81	132	SAM-050	SAM-150
6	470	55	164	76	81	132	SAM-050	SAM-165
8	550	55	164	76	81	132	SAM-060	SAM-165
10	630	55	164	76	81	132	/	SAM-180
12	710	55	164	76	81	132	/	SAM-180



WAYS	A	B	C	D	E	F	Suitable cabinet (AC 850)	Suitable cabinet (AC 852)
2	400	55	223	103	178	132	SAM-050	SAM-150
4	485	55	223	103	178	132	SAM-060	SAM-165
6	565	55	223	103	178	132	SAM-060	SAM-165
8	645	55	223	103	178	132	/	SAM-180
10	725	55	223	103	178	132	/	SAM-180
12	715	55	223	103	178	132	/	SAM-180 (without ball valves)

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CABINETS

AC 830



- **Cassetta murale ad incasso con altezza e profondità variabili per collettori e moduli MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.**
- *Wall fitted cabinet with variable height and depth for manifolds and MC / IVAR-SAT / MULTIMIX / MULTIMIX-C modules.*
- **Cassette murale encastrable avec hauteur et profondeur variables pour collecteurs et modules MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.**
- *Einbauwandkasten mit variabler Höhe und Tiefe für Verteiler und Module MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.*
- **Caja mural de empotrar de altura y profundidad variables para colectores y modulos MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.**

Code	Height	Width	Depth	Module	Price	Class	Packaging
200089	860-960 mm	500 mm	110-160 mm	2-way Multimix/Multimix-C	309,94 €	NZ	1
200590	860-960 mm	600 mm	110-160 mm	MC4 series (3/4")	335,14 €	NZ	1
200090	860-960 mm	700 mm	110-160 mm	MC 1/11/12/13/14 - MC4 series (1") - IVAR-SAT H/L/LE - 3-way Multimix/Multimix-C	342,76 €	NZ	1
200690	860-960 mm	800 mm	110-160 mm		387,93 €	NZ	1
200190	860-960 mm	900 mm	110-160 mm	MC2 series - IVAR-SAT HL/HLE	452,88 €	NZ	1
200790	860-960 mm	1000 mm	110-160 mm		483,93 €	NZ	1
200290	860-960 mm	1100 mm	110-160 mm		561,33 €	NZ	1
200890	860-960 mm	1200 mm	110-160 mm		615,85 €	NZ	1
200390	860-960 mm	1300 mm	110-160 mm		669,38 €	NZ	1
200490	860-960 mm	1500 mm	110-160 mm		817,65 €	NZ	1

AC 840



- **Cassetta murale ad incasso con altezza e profondità variabili per collettori e moduli MC.**
- *Wall fitted cabinet with variable height and depth for manifolds and MC modules.*
- **Cassette murale encastrable avec hauteur et profondeur variables pour collecteurs et modules MC.**
- *Einbauwandkasten mit variabler Höhe und Tiefe für Verteiler und Module MC.*
- **Caja mural de empotrar de altura y profundidad variables para colectores y modulos MC.**

Code	Height	Width	Depth	Module	Price	Class	Packaging
200086	600-700 mm	500 mm	80-130 mm	MC3 series	231,99 €	NZ	1
200686	600-700 mm	600 mm	80-130 mm		240,63 €	NZ	1
200186	600-700 mm	700 mm	80-130 mm	MC15	275,12 €	NZ	1
200786	600-700 mm	800 mm	80-130 mm		305,92 €	NZ	1
200286	600-700 mm	900 mm	80-130 mm		361,98 €	NZ	1
200886	600-700 mm	1000 mm	80-130 mm		374,99 €	NZ	1
200386	600-700 mm	1100 mm	80-130 mm		404,92 €	NZ	1
200986	600-700 mm	1200 mm	80-130 mm		439,37 €	NZ	1
200486	600-700 mm	1300 mm	80-130 mm		547,49 €	NZ	1
200586	600-700 mm	1500 mm	80-130 mm		615,12 €	NZ	1

AC 840 E



- **Cassetta murale ad incasso in lamiera zincata con copertura verniciata bianca, piedini scorrevoli per la regolazione in altezza e rete per intonaco. Il fissaggio telescopico della copertura permette la compensazione dello spessore dell'intonaco, estendendo la profondità da 80 a 130 mm.**
- *Wall-mounted cabinet in galvanized sheet with white painted cover, sliding feet for height adjustment and mesh for plastering. The telescopic fixing of the cover allows compensation of the plaster thickness, extending the depth from 80 to 130 mm.*
- **Boîtier encastré mural en tôle galvanisée avec couvercle peint blanc, pieds coulissants pour réglage en hauteur et treillis pour plâtre. La fixation télescopique du couvercle permet la compensation de l'épaisseur du plâtre, en prolongeant la profondeur de 80 à 130 mm.**
- *Einbau-Wandkasten aus verzinktem Blech mit weiß lackiertem Deckel, Schiebefüßen zur Höhenverstellung und Netz für Gips. Die teleskopische Befestigung der Abdeckung ermöglicht den Ausgleich der Putzdicke und verlängert die Tiefe von 80 auf 130 mm.*
- **Caja de empotrar a pared en chapa galvanizada con tapa pintada en blanco, pies deslizantes para ajuste de altura y malla para yeso. La fijación telescópica de la cubierta permite la compensación del espesor del yeso, ampliando la profundidad de 80 a 130 mm.**

Code	Height	Width	Depth	Price	Class	Packaging
200130	530-670 mm	500 mm	80-130 mm	197,70 €	NZ	1
200131	530-670 mm	700 mm	80-130 mm	229,76 €	NZ	1
200132	530-670 mm	850 mm	80-130 mm	249,36 €	NZ	1
200133	530-670 mm	1000 mm	80-130 mm	291,96 €	NZ	1

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AC 820



- **Cassetta murale con altezza e profondità fisse per collettori.**
- *Wall hanging cabinet with fixed height and depth for manifolds.*
- **Caisse murale suspendue avec hauteur et profondeur fixes pour collecteurs.**
- *Hängewandkasten mit fixer Höhe und Tiefe für Verteiler.*
- **Caja mural colgante de altura y profundidad fijas para colectores.**

Code	Height	Width	Depth	Price	Class	Packaging
540020	640 mm	450 mm	130 mm	289,73 €	NZ	1
540021	640 mm	530 mm	130 mm	298,25 €	NZ	1
540022	640 mm	830 mm	130 mm	383,48 €	NZ	1
540023	640 mm	1030 mm	130 mm	451,65 €	NZ	1

AC 850



- **Cassetta in plastica con fondo e kit di fissaggio per collettori complanari e componibili.**
- *Plastic cabinet with bottom and fastening kit for coplanar and modular manifolds.*
- **Cassette en plastique avec fond et kit de fixage pour collecteurs coplanaires et à éléments.**
- *Unterputz Verteilerschrank aus Kunststoff mit Boden und Fixierung-kit für komplanare und Einbau-Verteiler.*
- **Caja de plástico con fondo y kit de montaje para colectores coplanares y componibles.**

Code	Height	Width	Depth	Price	Class	Packaging
SAM-032	260 mm	320 mm	95 mm	33,01 €	NW	1 / 20
SAM-040	260 mm	400 mm	95 mm	36,49 €	NW	1 / 20
SAM-050	260 mm	500 mm	95 mm	40,53 €	NW	1 / 10
SAM-060	260 mm	600 mm	95 mm	46,32 €	NW	1 / 10

AC 851



- **Kit di fissaggio per collettori complanari e componibili in cassetta di plastica tipo AC 850.**
- *Kit for coplanar and modular manifolds fastening in plastic cabinet AC 850.*
- **Kit de fixage pour collecteurs coplanaires et à éléments dans la cassette en plastique AC 850.**
- *Fixierung-kit für komplanare und Einbau-Verteiler in Unterputz Verteilerschrank aus Kunststoff AC 850.*
- **Kit de montaje para colectores coplanares y componibles en caja de plástico tipo AC 850.**

Code	Manifolds type	Price	Class	Packaging
SAM-001	EASY•RADIANT / EASY•LOCK / BASIC series	14,77 €	NW	1

AC 852

- **Cassetta in plastica con fondo per collettori componibili e complanari (senza kit di fissaggio, da ordinare separatamente).**
- *Plastic cabinet with bottom for modular and coplanar manifolds (without fastening kit, to be ordered separately).*
- **Cassette en plastique avec fond pour collecteurs à éléments et coplanaires (sans kit de fixage, à commander séparément).**
- *Unterputz Verteilerschrank aus Kunststoff mit Boden für Einbau- und koplanare Verteiler (ohne Fixierung-kit, bitte bestellen getrennt).*
- **Caja de plástico con fondo para colectores componibles y coplanares (sin kit de montaje, para pedir separadamente).**

Code	Height	Width	Depth	Price	Class	Packaging
SAM-135	350 mm	350 mm	90 mm	42,92 €	NW	1
SAM-150	350 mm	500 mm	90 mm	54,34 €	NW	1
SAM-165	350 mm	650 mm	90 mm	71,83 €	NW	1
SAM-180	400 mm	800 mm	95 mm	97,87 €	NW	1

AC 853



- **Kit di fissaggio per collettori complanari e componibili in cassetta di plastica tipo AC 852.**
- *Kit for coplanar and modular manifolds fasteting in plastic cabinet AC 852.*
- **Kit de fixage pour collecteurs coplanaires et à éléments dans la cassette en plastique AC 852.**
- *Fixierung-kit für komplanare und Einbau-Verteiler in Unterputz Verteilerschrank aus Kunststoff AC 852.*
- **Kit de montaje para colectores coplanares y componibles en caja de plástico de tipo AC 852.**

Code	Manifolds type	Price	Class	Packaging
SAM-011	CC 00	6,23 €	NW	1 / 50
SAM-010	EASY•RADIANT / EASY•LOCK / BASIC series	8,09 €	NW	1 / 50

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TERMINALS FOR MANIFOLDS

AC 631



- **Terminale orientabile per collettori.**
- *Adjustable terminal for manifolds.*
- **Terminal orientable pour collecteurs.**
- *Drehbarer Verteilerendstück.*
- **Terminal orientable para colectores.**

Code	Size	Price	Class	Packaging
500257	1/2" F x 1" M x 1/2" F	10,69 €	NJ	20 / 80
500258	1/2" F x 1" M x 3/8" F	10,69 €	NJ	20 / 80

AC 630



- **Terminale orientabile per collettore con rubinetto di scarico incorporato in ottone o plastica.**
- *Adjustable terminal for manifold with brass or plastic incorporated drainage valve.*
- **Terminal orientable pour le collecteur avec un robinet d'évacuation incorporé en laiton ou en plastique.**
- *Drehbarer Verteilerendstück mit eingebautem Entleerungshahn aus Messing oder Kunststoff.*
- **Terminal orientable para colector con llave de vaciado incorporada de latón o plástico.**

Code	Size	Price	Class	Packaging
500255	1/2" F x 1" M - BRASS	19,78 €	NJ	8 / 64
500256	1/2" F x 1" M - PLASTIC	14,50 €	NJ	10 / 80

AC 650



- **Valvola di carico/scarico con rubinetto orientabile in ottone o plastica.**
- *Filling/drainage valve with brass or plastic rotating cock.*
- **Vanne de remplissage/vidange avec robinet orientable en laiton ou en plastique.**
- *Drehbarer Lade-/Entladeventil aus Messing oder Kunststoff.*
- **Válvula para la carga/descarga con llave orientable de latón o plástico.**

Code	Size	Price	Class	Packaging
501016	1/2" M - BRASS	11,59 €	NJ	25 / 100
500125	1/2" M - PLASTIC	6,31 €	NJ	35 / 280

AC 677



- **Terminale orientabile per collettori a 3 attacchi.**
- *Swiveling terminal for manifolds with 3 connections.*
- **Partie terminale orientable pour collecteurs à 3 embouts.**
- *3 Anschlüssen drehbarer Verteilerendstück.*
- **Terminal orientable para colectores con 3 ataques.**

Code	Size	Price	Class	Packaging
570224	1" M - 3 x 1/2" F	14,13 €	NJ	20 / 160

AC 678



- **Terminale orientabile per collettore con valvola di carico/scarico incorporata in ottone o plastica.**
- *Swiveling terminal for manifolds equipped with built-in brass or plastic filling/drainage valve.*
- **Partie terminale orientable pour collecteur avec robinet de remplissage/vidange incorporé en laiton ou en plastique.**
- *Drehbarer Verteilerendstück mit eingebautem Lade-/Entladeventil aus Messing oder Kunststoff.*
- **Terminal orientable para colector con válvula para la carga/descarga incorporada de latón o plástico.**

Code	Size	Price	Class	Packaging
570225	1/2"F x 1"M x 1/2"F - BRASS	24,19 €	NJ	10 / 80
570225P	1/2"F x 1"M x 1/2"F - PLASTIC	19,56 €	NJ	10 / 80

AC 657 N



- **Terminale orientabile per collettore con rubinetto di scarico e valvola manuale di sfiato incorporati.**
- *Swiveling terminal for header with incorporated drainage valve and manual vent valve.*
- **Terminal orientable pour collecteur avec robinet d'évacuation et purgeur d´air manuel incorporés.**
- *Verstellbares Verteiler-Endstück mit eingebautem Entleerungshahn und manueller Entlüftungsventil.*
- **Terminal orientable para colector completo de llave de descarga y válvula purgadora manual.**

Code	Size	Price	Class	Packaging
506246	3/4" M	21,26 €	NJ	20 / 80
506235	1" M	19,11 €	NJ	20 / 80

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AIR VENT VALVES

AC 625



- **Valvola manuale di sfiato.**
- *Manual air vent valve.*
- **Purgeur d´air manuel.**
- *Manuelles Entlüftungsventil.*
- **Válvula purgadora manual.**

Code	Size	Price	Class	Packaging
500675	3/8“	2,575 €	NJ	100 / 800
500674	1/2“	2,041 €	NJ	100 / 800

AC 625 M



- **Valvola manuale di sfiato.**
- *Manual air vent valve.*
- **Purgeur d'air manuel.**
- *Manuelles Entlüftungsventil.*
- **Válvula purgadora manual.**

Code	Size	Price	Class	Packaging
500954M	1/4“	2,112 €	HA	100 / 400
500675M	3/8“	2,204 €	HA	100 / 400
500674M	1/2“	2,938 €	HA	100 / 400

AC 620 N



- **Valvola di sfiato aria automatica.**
- *Automatic air valve.*
- **Purgeur d'air automatique.**
- *Automatisches Entlüftungsventil.*
- **Válvula purgadora automática.**

Code	Size	Color	Price	Class	Packaging
501323	3/8“		11,29 €	NJ	15 / 120
501325	1/2“		11,02 €	NJ	15 / 120

AC 621



- **Valvola di ritegno per valvola di sfiato automatica.**
- *Check valve for automatic air valve.*
- **Clapet de retenue pour purgeur d'air automatique.**
- *Rückschlagventil für automatisches Entlüftungsventil.*
- **Válvula de retención para válvula purgadora automática.**

Code	Size	Color	Price	Class	Packaging
501327	1/2“ M x 3/8“ F		2,952 €	NJ	100 / 400
501329	1/2“ M x 1/2“ F		2,995 €	NJ	100 / 400

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BRACKETS

AC 615



- **Staffa doppia EASY-CLIP per collettori.**
- *Double bracket EASY-CLIP for manifolds.*
- **Étrier double EASY-CLIP pour collecteurs.**
- *Doppelter Wandhalterung EASY-CLIP für Verteiler.*
- **Soporte doble EASY-CLIP para colectores.**

Code	OC distance	Depth	Manifolds type	Price	Class	Packaging
511130	200 mm	110 mm	3/4" | 1" without insulation	8,07 €	NJ	2 / 40
511130P80	200 mm	80 mm	3/4" | 1" without insulation	8,07 €	NJ	2 / 40
51113025	250 mm	110 mm	3/4" | 1" without insulation	10,81 €	NJ	2 / 40

AC 611



- **Staffa doppia per collettori da barra e in acciaio inox.**
- *Double bracket for brass rod and stainless steel manifolds.*
- **Étrier double pour collecteurs de barre et en acier inox.**
- *Doppelter Wandhalterung für Verteiler aus Messingstangen und Edelstahl.*
- **Soporte doble para colectores de barra de latón y acero inoxidable.**

Code	OC distance	Depth	Manifolds type	Price	Class	Packaging
501218B	250 mm	110 mm	1"	10,81 €	NJ	2 / 40
501218	260 mm	110 mm	1"	10,81 €	NJ	2 / 40
501360B	250 mm	110 mm	1"1/4	10,81 €	NJ	2 / 30
501360	260 mm	110 mm	1"1/4	10,81 €	NJ	2 / 30

AC 610



- **Staffa doppia per collettori da barra e in acciaio inox.**
- *Double bracket for brass rod and stainless steel manifolds.*
- **Étrier double pour collecteurs de barre et en acier inox.**
- *Doppelter Wandhalterung für Verteiler aus Messingstangen und Edelstahl.*
- **Soporte doble para colectores de barra de latón y acero inoxidable.**

Code	OC distance	Depth	Manifolds type	Price	Class	Packaging
501019	200 mm	110 mm	3/4"	8,07 €	NJ	2 / 70
501098	200 mm	110 mm	1"	8,07 €	NJ	2 / 40
501020	200 mm	110 mm	1"1/4	8,07 €	NJ	2 / 60
501019P80	200 mm	80 mm	3/4"	8,07 €	NJ	2 / 70
501098P80	200 mm	80 mm	1"	8,07 €	NJ	2 / 40

AC 689



- **Staffa doppia regolabile in plastica per collettori da barra e in acciaio inox.**
- *Double adjustable plastic bracket for brass rod and stainless steel manifolds.*
- **Étrier double réglable en plastique pour collecteurs de barre et en acier inox.**
- *Doppelter regelbarer Wandhalterung aus Kunststoff für Verteiler aus Messingstangen und Edelstahl.*
- **Soporte doble ajustable de plástico para colectores de barra de latón y acero inoxidable.**

Code	OC distance	Depth	Manifolds type	Price	Class	Packaging
501111	200-250 mm	80 mm	1"	14,09 €	NJ	2 / 40

AC 673



- **Staffa doppia ribassata per collettori in plastica serie CP 001.**
- *Lowered double bracket for plastic manifolds CP 001 series.*
- **Étrier double abaissé pour collecteurs en plastique série CP 001.**
- *Abgesenkte Doppelt-Wandhalterung für Kunststoffverteiler Serie CP 001.*
- **Soporte doble rebajado para colectores en plástica serie CP 001.**

Code	OC distance	Depth	Manifolds type	Price	Class	Packaging
220080	200 mm	95 mm	CP 001 (1"1/4)	31,81 €	NV	1

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AC 609



- **Staffa singola per collettori da barra e in acciaio inox.**
- *Single bracket for brass rod and stainless steel manifolds.*
- **Étrier simple pour collecteurs de barre et en acier inox.**
- *Einzel Wandhalterung für Verteiler aus Messingstangen und Edelstahl.*
- **Soporte simple para colectores de barra de latón y acero inoxidable.**

Code	Manifolds type	Price	Class	Packaging
500901	3/4"	4,181 €	NJ	2 / 140
500902	1"	4,181 €	NJ	2 / 80
500903	1"1/4	4,181 €	NJ	2 / 140

AC 629



- **Staffa singola per collettori da barra e in acciaio inox.**
- *Single bracket for brass rod and stainless steel manifolds.*
- **Étrier simple pour collecteurs de barre et en acier inox.**
- *Einzel Wandhalterung für Verteiler aus Messingstangen und Edelstahl.*
- **Soporte simple para colectores de barra de latón y acero inoxidable.**

Code	Manifolds type	Price	Class	Packaging
500935	3/4"	4,701 €	NJ	2 / 70
500936	1"	4,701 €	NJ	2 / 100
500641	1"1/4	4,701 €	NJ	2 / 150

AC 609 (1"1/2)



- **Staffa singola per collettori da barra.**
- *Single bracket for brass rod manifolds.*
- **Étrier simple pour collecteurs de barre.**
- *Einzel Wandhalterung für Verteiler aus Messingstangen.*
- **Soporte simple para colectores de barra de latón.**

Code	Manifolds type	Price	Class	Packaging
506195	1"1/2	22,87 €	NJ	2 / 70

AC 629 (1"1/2)



- **Staffa singola per collettori da barra.**
- *Single bracket for brass rod manifolds.*
- **Étrier simple pour collecteurs de barre.**
- *Einzel Wandhalterung für Verteiler aus Messingstangen.*
- **Soporte simple para colectores de barra de latón.**

Code	Manifolds type	Price	Class	Packaging
506196	1"1/2	34,47 €	NJ	2 / 50

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BYPASS VALVES

AC 665



- **Valvola di bypass differenziale.**
- *Bypass differential valve.*
- **Vanne de bypass différentiel.**
- *Differenziales Bypass-Ventil.*
- **Válvula de bypass de presión diferencial.**

Code	Range	OC distance	Depth	Manifolds type	Price	Class	Packaging
500064	0,2-0,6 bar	200 mm	110 mm	1“	31,08 €	NJ	5 / 40
500064P80	0,2-0,6 bar	200 mm	80 mm	1“	31,08 €	NJ	5 / 40

AC 666



- **Valvola di bypass differenziale con terminali per collettore.**
- *Differential bypass valve with terminals for manifold.*
- **Vanne de bypass différentiel avec terminaux pour collecteur.**
- *Differenziales Bypass-Ventil mit Verteileranschlüssen.*
- **Válvula de bypass de presión diferencial con terminales para colector.**

Code	Range	OC distance	Depth	Manifolds type	Price	Class	Packaging
500126	0,2-0,6 bar	200 mm	110 mm	1“	53,87 €	NJ	4 / 32
500126P80	0,2-0,6 bar	200 mm	80 mm	1“	53,87 €	NJ	4 / 32

AC 667



- **Valvola di bypass differenziale con bocchettoni.**
- *Differential bypass valve with nozzles.*
- **Vanne de bypass différentielle avec embouts.**
- *Differenziales Bypass-Ventil mit Stutzen.*
- **Válvula de bypass de presión diferencial con racores.**

Code	Range	OC distance	Accessories	Depth	Manifolds type	Price	Class	Packaging
500127P80	0,2-0,6 bar	200 mm		80 mm	1“	66,53 €	NJ	2 / 16
500127	0,2-0,6 bar	200 mm		110 mm	1”	66,53 €	NJ	2 / 16
500127GP80	0,2-0,6 bar	200 mm	1”1/4 swivel	80 mm	1”	75,92 €	NJ	2 / 16
500127G	0,2-0,6 bar	200 mm	1”1/4 swivel	110 mm	1”	75,92 €	NJ	2 / 16
501263P80	0,2-0,6 bar	200 mm	Thermometer	80 mm	1”	78,00 €	NJ	1 / 3
501263	0,2-0,6 bar	200 mm	Thermometer	110 mm	1”	78,00 €	NJ	2 / 16
501263GP80	0,2-0,6 bar	200 mm	Thermometer - 1”1/4 swivel	80 mm	1”	87,41 €	NJ	2 / 16
501263G	0,2-0,6 bar	200 mm	Thermometer - 1”1/4 swivel	110 mm	1”	87,41 €	NJ	2 / 16

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AC 668



- **Valvola di bypass differenziale con bocchettoni ed accessori.**
- *Differential bypass valve with nozzles and accessories.*
- **Vanne de bypass différentielle avec embouts et accessoires.**
- *Differenziales Bypass-Ventil mit Stutzen und Zubehöre.*
- **Válvula de bypass de presión diferencial con racores y accesorios.**

Code	Range	OC distance	Accessories	Depth	Manifolds type	Price	Class	Packaging
500128G	0,2-0,6 bar	200 mm	1"1/4 swivel	110 mm	1"	138,75 €	NJ	1

AC 679



- **Valvola di bypass differenziale con terminali per collettore e accessori con scarico orientabile in ottone o plastica.**
- *Bypass differential valve with manifold terminals and accessories with brass or plastic adjustable drainaige tap.*
- **Vanne de bypass différentielle avec terminaux pour collecteur et accessoires avec évacuation orientable en laiton ou en plastique.**
- *Differenziales Bypass-Ventil mit Verteileranschlüssen und Zubehöre mit Drehbarer Entleerungshahn aus Messing oder Kunststoff.*
- **Válvula de bypass de presión diferencial con terminales para colector y accesorios con descarga orientable de latón o plástico.**

Code	Range	OC distance	Accessories	Depth	Manifolds type	Price	Class	Packaging
570226P80	0,2-0,6 bar	200 mm	Brass	80 mm	1"	79,11 €	NJ	4 / 16
570226PP80	0,2-0,6 bar	200 mm	Plastic	80 mm	1"	74,48 €	NJ	4 / 16
570226	0,2-0,6 bar	200 mm	Brass	110 mm	1"	79,11 €	NJ	3 / 12
570226P	0,2-0,6 bar	200 mm	Plastic	110 mm	1"	74,48 €	NJ	3 / 12

AC 681



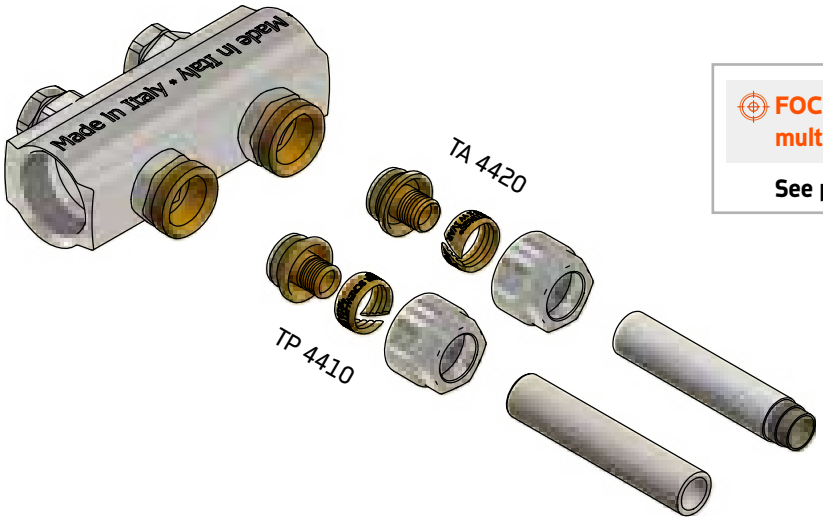
- **Valvola di bypass differenziale con terminali per collettore, valvola manuale di sfiato e scarico orientabile in ottone o plastica.**
- *Bypass differential valve with manifold terminals, manual air vent valve and brass or plastic adjustable drainage tap.*
- **Vanne de bypass différentielle avec terminaux pour collecteur, purgeur d´air manuel et évacuation orientable en laiton ou en plastique.**
- *Differenziales Bypass-Ventil mit Verteileranschlüssen, manuelles Entlüftungsventil und Drehbarer Entleerungshahn aus Messing oder Kunststoff.*
- **Válvula de bypass de presión diferencial con terminales para colector, válvula purgadora manual y descarga orientable de latón o plástico.**

Code	Range	OC distance	Accessories	Depth	Manifolds type	Price	Class	Packaging
570227P80	0,2-0,6 bar	200 mm	Brass	80 mm	1"	69,18 €	NJ	10 / 40
570227PP80	0,2-0,6 bar	200 mm	Plastic	80 mm	1"	64,55 €	NJ	4 / 16
570227	0,2-0,6 bar	200 mm	Brass	110 mm	1"	69,18 €	NJ	4 / 16
570227P	0,2-0,6 bar	200 mm	Plastic	110 mm	1"	64,55 €	NJ	4 / 16

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FITTINGS AND PLUGS

Suitable fittings for manifolds (3/4" - 1" - 1"1/4) with EUROKONUS connection



FOCUS: Fittings for multilayer and PEX pipe

See page 126.

TA 4420



- **Raccordo EUROK per tubo multistrato e in polietilene.**
- *EUROK fitting for multilayer and polyethylene pipe.*
- **Raccord EUROK pour tube multicouches et en polyéthylène.**
- *EUROK-Verschraubung für Verbund- und für Polyäthylen-Rohr.*
- **Conexión EUROK para tubo multicapa y de polietileno.**

Code	Size	Color	Price	Class	Packaging
506061	EUROK x 12/1,8		3,893 €	JA	40 / 320
500683	EUROK x 14/2		3,893 €	JA	40 / 320
500400	EUROK x 15/1,5		4,012 €	JA	40 / 320
500684	EUROK x 16/2		3,893 €	JA	40 / 320
500579	EUROK x 16/2,25		3,893 €	JA	40 / 320
506040	EUROK x 16,2/2,6		3,893 €	JA	40 / 160
500012	EUROK x 17/2		4,169 €	JA	40 / 320
500685	EUROK x 18/2		4,169 €	JA	40 / 320
500754	EUROK x 18/2,5		4,169 €	JA	40 / 320
500914	EUROK x 20/2		4,348 €	JA	40 / 320
500009	EUROK x 20/2,25		4,575 €	JA	40 / 320
501010	EUROK x 20/2,5		4,348 €	JA	40 / 320
506295	EUROK x 20/2,9 (for multilayer pipe only)		5,94 €	JA	40 / 320

TP 4410

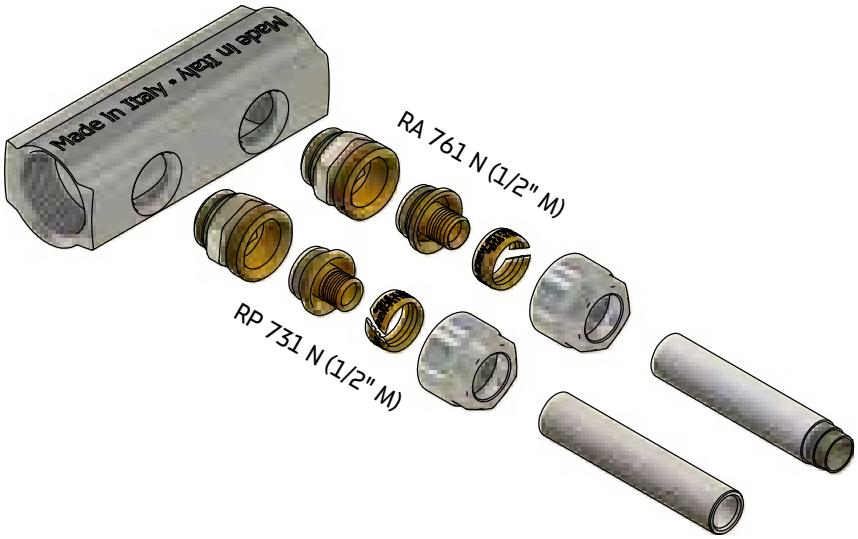


- **Raccordo EUROK per tubo in polietilene.**
- *EUROK fitting for polyethylene pipe.*
- **Raccord EUROK pour tube en polyéthylène.**
- *EUROK-Verschraubung für Polyäthylen-Rohr.*
- **Conexión EUROK para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
500590	EUROK x 12/1		3,673 €	JA	40 / 320
520041	EUROK x 12/2		3,673 €	JA	40 / 320
500679	EUROK x 14/2		3,593 €	JA	40 / 320
500148	EUROK x 15/1,7		3,893 €	JA	40 / 320
500769	EUROK x 15/2,5		3,737 €	JA	40 / 320
500591	EUROK x 16/1,5		3,51 €	JA	40 / 320
500680	EUROK x 16/2		3,51 €	JA	40 / 320
500681	EUROK x 16/2,2		3,51 €	JA	40 / 320
500682	EUROK x 17/2		3,737 €	JA	40 / 320
500145	EUROK x 18/1,8		3,737 €	JA	40 / 320
500650	EUROK x 18/2		4,169 €	JA	40 / 320
506020	EUROK x 18/2,5		3,737 €	JA	40 / 320
500651	EUROK x 20/2		4,169 €	JA	40 / 320
500649	EUROK x 20/2,8		4,025 €	JA	40 / 320
506200	EUROK x 20/3,4		4,025 €	JA	40 / 320
500753	EUROK x 21/2,5		4,528 €	JA	40 / 320

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Suitable fittings for manifolds (3/4" - 1" - 1"1/4) with 1/2"F connection



RA 761 N



- **Raccordo per tubo multistrato e in polietilene EUROK x 1/2" M.**
- *Fitting for multilayer and polyethylene pipe EUROK x 1/2" M.*
- **Raccord pour tube multicouches et en polyéthylène EUROK x 1/2" M.**
- *EUROK x 1/2" AG Verschraubung für Verbund- und für Polyäthylen-Rohr.*
- **Racor de compresión para tubo multicapa y de polietileno EUROK x 1/2" M.**

Code	Size	Color	Price	Class	Packaging
570002N	1/2" M x 16/2		6,73 €	LA	50 / 200
570005N	1/2" M x 18/2		6,89 €	LA	50 / 200
570007N	1/2" M x 20/2		7,11 €	LA	50 / 200

RP 731 N

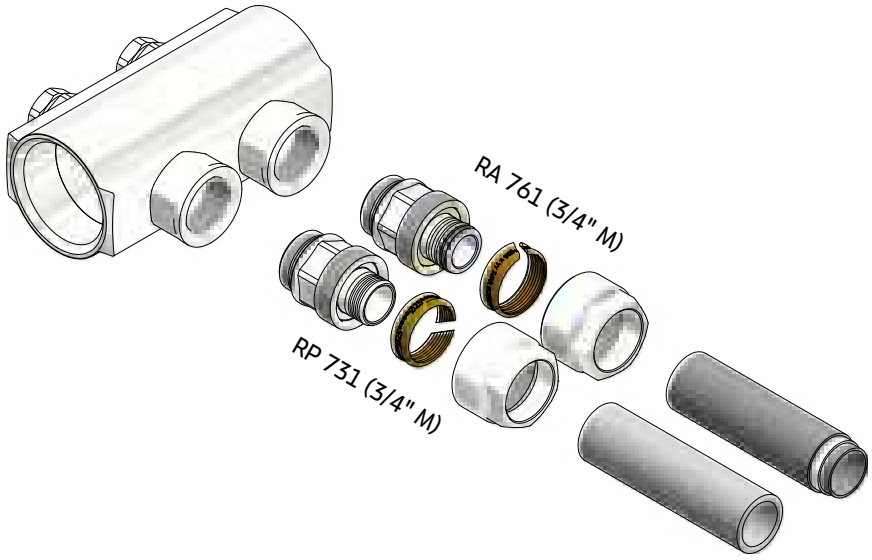


- **Raccordo per tubo polietilene EUROK x 1/2" M.**
- *Fitting for polyethylene pipe EUROK x 1/2" M.*
- **Raccord pour tube polyéthylène EUROK x 1/2" M.**
- *EUROK x 1/2" AG Verschraubung für Polyäthylen-Rohr.*
- **Racor de compresión para tubo de polietileno EUROK x 1/2" M.**

Code	Size	Color	Price	Class	Packaging
570020N	1/2" M x 12/1		6,46 €	LA	50 / 200
570021N	1/2" M x 12/2		6,46 €	LA	50 / 200
570022N	1/2" M x 14/2		6,46 €	LA	50 / 200
570023N	1/2 M x 15/1,7		6,46 €	LA	50 / 200
570024N	1/2" M x 15/2,5		6,46 €	LA	50 / 200
570025N	1/2" M x 16/1,5		6,46 €	LA	50 / 200
570026N	1/2" M x 16/2		6,46 €	LA	50 / 200
570027N	1/2" M x 16/2,2		6,46 €	LA	50 / 200
570028N	1/2" M x 17/2		6,44 €	LA	50 / 200
570029N	1/2" M x 18/1,8		6,44 €	LA	50 / 200
570030N	1/2" M x 18/2		6,44 €	LA	50 / 200
570031N	1/2" M x 20/2		6,73 €	LA	50 / 200
570032N	1/2" M x 20/2,8		6,73 €	LA	50 / 200
570033N	1/2" M x 21/2,5		6,98 €	LA	50 / 200

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Suitable fittings for manifolds (1"1/2) with 3/4"F connection



RA 761



- **Raccordo a stringere diritto maschio per tubo multistrato.**
- *Compression straight male fitting for multilayer pipe.*
- **Raccord à serrage droit mâle pour tube multi-couche.**
- *Durchgang AG Pressanschluss für Verbundrohr.*
- **Racor de compresión recto macho para tubo multicapa.**

Code	Size	Color	Price	Class	Packaging
500043	3/4" M x 20/2		7,67 €	LA	20 / 160
501361	3/4" M x 25/2,5		11,68 €	LA	25 / 100
500122	3/4" M x 25/3		11,68 €	LA	25 / 100
501084	3/4" M x 26/3		11,68 €	LA	20 / 80
501497	3/4" M x 32/3		18,45 €	LA	15 / 60
500043N	3/4" M x 20/2		7,88 €	LA	25 / 100
501361N	3/4" M x 25/2,5		12,01 €	LA	25 / 100
500122N	3/4" M x 25/3		12,01 €	LA	25 / 100
501084N	3/4" M x 26/3		12,01 €	LA	25 / 100
501497N	3/4" M x 32/3		19,01 €	LA	15 / 60

RP 731



- **Raccordo a stringere diritto maschio per tubo in polietilene.**
- *Compression straight male fitting for polyethylene pipe.*
- **Raccord à serrage droit mâle pour tube en polyéthylène.**
- *Durchgang AG Pressanschluss für Polyäthylenrohr.*
- **Racor de compresión recto macho para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
506209	3/4" M x 20/2		7,37 €	LA	25 / 100
501051	3/4" M x 20/2,8		7,37 €	LA	25 / 100
501054	3/4"M x 25/2,3		11,72 €	LA	20 / 80
550042	3/4" M x 25/2,5		11,72 €	LA	25 / 100
501052	3/4" M x 25/3,5		11,72 €	LA	20 / 80
506209N	3/4" M x 20/2,3		7,59 €	LA	25 / 100
501051N	3/4" M x 20/2,8		7,59 €	LA	25 / 100
501054N	3/4" M x 25/2,3		12,07 €	LA	25 / 100
550042N	3/4" M x 25/2,5		12,07 €	LA	25 / 100
501052N	3/4" M x 25/3,5		12,07 €	LA	25 / 100

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FOCUS: splitter fitting

The splitter fitting is very useful to obtain two outlets from a single outlet of the manifold to connect two different circuits. For example, it is frequently used in plaster fibre ceiling and underfloor radiant systems, with low diameter pipes and low flow rates. In these cases there is flexible use of all manifold outlets, with added cost benefits. Lastly, the splitter fitting can also be used to obtain an extra outlet on the manifold when previously not envisaged, without the need to replace the manifold itself with another version fitted with an extra outlet (an operation often expensive and also not always possible given that it may require the replacement of the manifold housing).

AC 647



- **Raccordo sdoppiatore EUROK.**
- *Flow splitter fitting EUROK.*
- **Raccord dédoubleur EUROK.**
- *Verteiler-Y-Stück EUROK.*
- **Racor doble EUROK.**

Code	Size	OC distance	Color	Price	Class	Packaging
506138	EUROK	36 mm		12,70 €	NJ	60

AC 603



- **Nipplo maschio - maschio.**
- *Male - male nipple.*
- **Nipple mâle - mâle.**
- *AG - AG Anschlußstück.*
- **Entrerrosca macho - macho.**

Code	Size	Color	Price	Class	Packaging
550099	1/2" M O-ring x 1/2" M O-ring		2,78 €	NJ	100 / 400
550098	3/4" M O-ring x 3/4" M O-ring		3,786 €	NJ	50 / 200
501101	1" M O-ring x 1" M O-ring		5,22 €	NJ	50 / 200
500919	1"1/4 M O-ring x 1" M O-ring		10,93 €	NJ	25 / 100
500912	1"1/4 M O-ring x 1"1/4 M O-ring		7,11 €	NJ	25 / 100
550097	1/2" M O-ring x 1/2" M O-ring		2,825 €	NJ	100 / 400
550096	3/4" M O-ring x 3/4" M O-ring		3,853 €	NJ	50 / 200
500699	1" M O-ring x 1" M O-ring		5,36 €	NJ	50 / 200
500919N	1"1/4 M O-ring x 1" M O-ring		11,13 €	NJ	25 / 100
500913	1"1/4 M O-ring x 1"1/4 M O-ring		7,35 €	NJ	25 / 100

AC 606



- **Nipplo girevole maschio - maschio.**
- *Swivelling male - male nipple.*
- **Nipple pivotant mâle - mâle.**
- *AG - AG drehbarer Nippel.*
- **Entrerrosca giratoria macho - macho.**

Code	Size	Color	Price	Class	Packaging
500386	3/4" M O-ring x 3/4" M O-ring		12,02 €	NJ	30 / 120
500357	3/4" M O-ring x 1" M O-ring		9,05 €	NJ	30 / 120
500063	1" M O-ring x 1" M O-ring		10,46 €	NJ	20 / 80
500387	1"1/4 M O-ring x 1"1/4 M O-ring		19,93 €	NJ	10 / 40
500386N	3/4" M O-ring x 3/4" M O-ring		12,44 €	NJ	30 / 120
500357N	3/4" M O-ring x 1" M O-ring		9,47 €	NJ	30 / 120
500070	1" M O-ring x 1" M O-ring		10,81 €	NJ	20 / 80
500387N	1"1/4 M O-ring x 1"1/4 M O-ring		20,94 €	NJ	10 / 40

AC 605



- **Raccordo eccentrico.**
- *Cam connector.*
- **Raccord excentrique.**
- *Excenter Anschluß IG.*
- **Racor excéntrico.**

Code	Size	Color	Price	Class	Packaging
502230N	1"		22,36 €	NJ	6 / 48

AC 4615 N



- **Raccordo portatermometro per derivazioni.**
- *Thermometer fitting for junctions.*
- **Raccord porte-thermomètre pour dérivations.**
- *Anschlussstück mit Thermometer.*
- **Racor con termómetro para derivaciones.**

Code	Size	Color	Price	Class	Packaging
500804	EUROK		18,20 €	NJ	10 / 80

AC 617



- **Termometro con pozzetto.**
- *Thermometer with pocket.*
- **Thermomètre avec regard.**
- *Thermometer mit Tauchhülse.*
- **Termómetro con termopozo.**

Code	Size	Price	Class	Packaging
500071	3/8"	11,99 €	NJ	20 / 160
500072	1/2"	13,72 €	NJ	20 / 160

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AC 602



- **Riduzione maschio - femmina.**
- *Male - female reducing fitting.*
- **Réduction mâle - femelle.**
- *AG - IG Reduziermuffe.*
- **Reducción macho - hembra.**

Code	Size	Color	Price	Class	Packaging
550093	1/2" M x 3/8" F		1,921 €	NJ	200 / 800
550094	3/4" M x 3/8" F		2,931 €	NJ	50 / 200
550095	3/4" M x 1/2" F		2,528 €	NJ	100 / 400
550091	1" M x 3/8" F		3,583 €	NJ	50 / 400
501103	1" M x 1/2" F		3,153 €	NJ	50 / 400
501102	1" M x 3/4" F		3,153 €	NJ	50 / 400
500906	1"1/4 M x 1/2" F		6,85 €	NJ	25 / 100
500908	1"1/4 M x 3/4" F		6,38 €	NJ	35 / 140
500910	1"1/4 M x 1" F		5,01 €	NJ	35 / 140
506018	1"1/2 M x 1" F		8,48 €	NJ	20 / 160
500280	1/2" M x 3/8" F		1,944 €	NJ	200 / 800
501099	3/4" M x 3/8" F		3,074 €	NJ	50 / 200
550028	3/4" M x 1/2" F		2,575 €	NJ	100 / 400
550092	1" M x 3/8" F		3,797 €	NJ	50 / 400
500670	1" M x 1/2" F		3,221 €	NJ	50 / 200
501509	1" M x 3/4" F		3,221 €	NJ	50 / 400
500907	1"1/4 M x 1/2" F		7,07 €	NJ	25 / 200
500909	1"1/4 M x 3/4" F		6,61 €	NJ	35 / 140
500911	1"1/4 M x 1" F		5,07 €	NJ	35 / 140

AC 624



- **Riduzione femmina - femmina.**
- *Female - female reducing fitting.*
- **Réduction femelle - femelle.**
- *Reduzierstück Innengewinde - Innengewinde*
- **Reducción hembra - hembra.**

Code	Size	Color	Price	Class	Packaging
501619	3/4" F x 3/8" F		3,187 €	NJ	100 / 400
501618	3/4" F x 1/2" F		3,187 €	NJ	100 / 400
501620	1" F x 1/2" F		4,01 €	NJ	50 / 400
501621	1" F x 3/4" F		4,01 €	NJ	50 / 400
501619N	3/4" F x 3/8" F		3,221 €	NJ	100 / 400
501618N	3/4" F x 1/2" F		3,221 €	NJ	100 / 400
501620N	1" F x 1/2" F		4,141 €	NJ	50 / 400
501621N	1" F x 3/4" F		4,141 €	NJ	50 / 200

AC 627



- **Bocchettone ridotto girevole a tenuta morbida.**
- *Reduced soft seal fitting.*
- **Embout à étanchéité souple réduite.**
- *Reduziert Selbstdichtendsstutzen.*
- **Manguito de unión reducido con junta blanda.**

Code	Size	Color	Price	Class	Packaging
550551	3/4" F x 1"1/4 F		15,21 €	NJ	10 / 80
550552	1" F x 1"1/4 F		14,40 €	NJ	10 / 80
550551N	3/4" F x 1"1/4 F		15,70 €	NJ	10 / 80
550552N	1" F x 1"1/4" F		14,92 €	NJ	10 / 80

AC 601



- **Tappo femmina.**
- *Female plug.*
- **Bouchon femelle.**
- *IG Verschluss.*
- **Tapón hembra.**

Code	Size	Accessories	Color	Price	Class	Packaging
550016	1/2"	1 gasket		2,159 €	NJ	50 / 400
500022	3/4"	2 gaskets		2,397 €	NJ	100 / 400
500625	1"	1 gasket		4,141 €	NJ	35 / 280
550016N	1/2"	1 gasket		2,159 €	NJ	50 / 400
550090	3/4"	2 gaskets		2,48 €	NJ	100 / 400
500625N	1"	1 gasket		4,284 €	NJ	35 / 280

AC 601 K



- **Kit tappo femmina con adattatore per tenuta piatta.**
- *Female plug kit with adaptor for flat seal.*
- **Kit bouchon femelle avec adaptateur pour tenue plate.**
- *Verschluss Set mit Innengewinde und Flachdichtung Adapter.*
- **Kit tapón hembra con adaptador para junta plana.**

Code	Size	Accessories	Color	Price	Class	Packaging
506206	EUROK	2 gaskets		3,939 €	NJ	50 / 400
506206N	EUROK	2 gaskets		4,07 €	NJ	50 / 400

AC 600



- **Tappo maschio.**
- *Male plug.*
- **Bouchon mâle.**
- *AG Verschluss.*
- **Tapón macho.**

Code	Size	Color	Price	Class	Packaging
590082	1/4" M		2,528 €	NJ	150 / 600
550084	3/8" M		1,469 €	NJ	250 / 1000
501108	1/2" M		1,424 €	NJ	200 / 800
550009	3/4" M		2,539 €	NJ	50 / 400
501104	1" M		2,825 €	NJ	50 / 400
500904	1"1/4 M		5,71 €	NJ	20 / 160
506017	1"1/2 M		6,67 €	NJ	20 / 160
550085	3/8" M		1,537 €	NJ	250 / 1000
550086	1/2" M		1,448 €	NJ	200 / 800
550087	3/4" M		2,623 €	NJ	50 / 400
501501	1" M		2,907 €	NJ	50 / 400
500905	1"1/4 M		5,82 €	NJ	35 / 140

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COMPLEMENTARY ITEMS

FOCUS: AQUASTOP

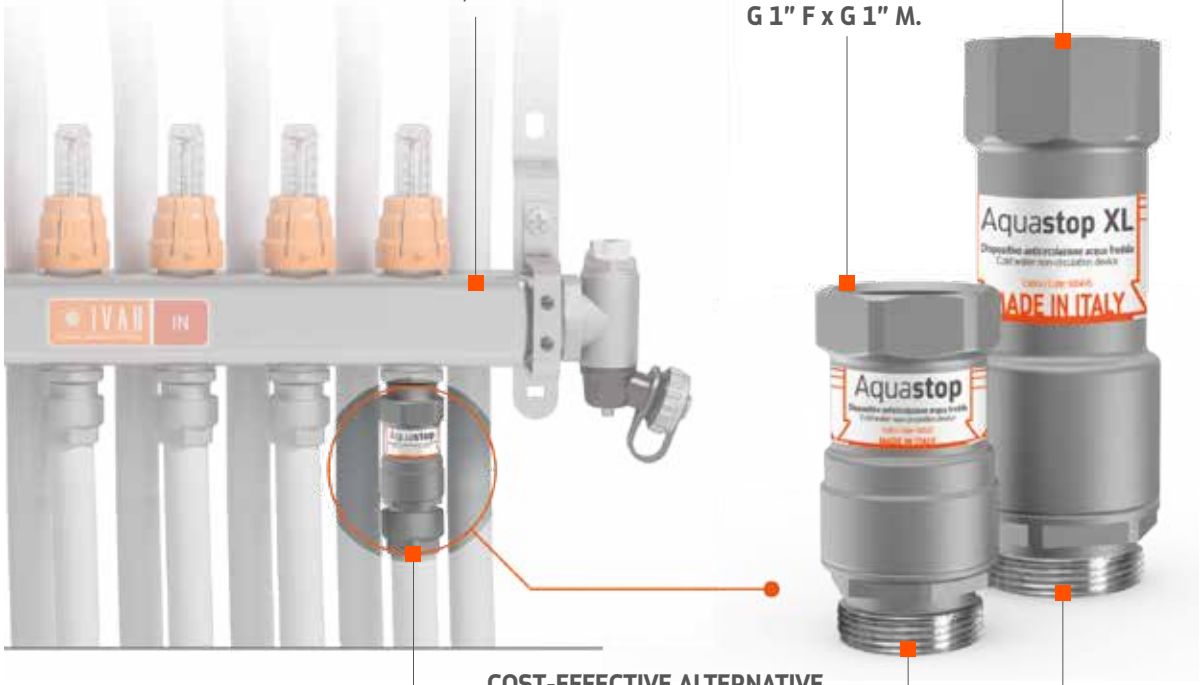
In mixed systems with radiators and underfloor heating and cooling, Aquastop mechanically prevents cold water from entering the circuit on which it is installed, without the use of servomotors or electronic controls.

The device contains a thermostat: when the water temperature is over 19 °C, i.e. during the winter heating phase, it maintains an open passage; when, on the other hand, the temperature is below 19 °C, i.e. during the summer cooling phase, the thermostat retracts and prevents cold water from reaching the utilities. There are zones of the radiant system which are particularly subject to the formation of surface condensation during the summer cooling phase, such as bathrooms or other areas without suitable air treatment (exchange/ventilation). Similarly, in summer, radiators and towel rails cannot be fed with cold water. In all these cases, Aquastop prevents the formation of condensation in a simple and economical manner.

Aquastop XL has the same operating principle as Aquastop, with the advantage of being able to handle larger flow rates, thanks to its 1" connection.

On circuits for radiators and designer heating units, it **PREVENTS COLD WATER FROM CIRCULATING INSIDE THE TERMINAL UNITS** which would otherwise drip condensation.

Available in the following versions: **G 3/4" F x EUROK, G 1" F x G 1" M.**



COMPACT: minimised dimensions

COST-EFFECTIVE ALTERNATIVE to the use of servomotors with electronic regulation.

AQUASTOP



- **Dispositivo anticircolazione dell'acqua fredda.**
- *Cold water non-circulation device.*
- **Dispositif d'anti-circulation d'eau froide.**
- *Ventil zur Verhinderung des Kaltwasserumlaufs.*
- **Dispositivo anticirculación del agua fría.**

Code	Size	Range	Color	Price	Class	Packaging
500522	3/4" F x EUROK	≤19° C		53,92 €	NJ	10 / 80

AQUASTOP XL



- **Dispositivo anticircolazione dell'acqua fredda.**
- *Cold water non-circulation device.*
- **Dispositif d'anti-circulation eau froide.**
- *Ventil zur Verhinderung des Kaltwasserumlaufs.*
- **Dispositivo anticirculación del agua fría.**

Code	Size	Range	Color	Price	Class	Packaging
500495	G 1" F x G 1" M	≤19° C		133,80 €	NJ	10 / 40

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AC 674



- **Misuratore/regolatore di portata FLUXER con memoria di posizione.**
- *Flow meter/adjuster FLUXER with position memory.*
- **Débit-mètre/régulateur FLUXER avec mémoire de position.**
- *Durchflussmengenmesser FLUXER mit Positionsspeicherung.*
- **Medidor/regulador de caudal FLUXER con memoria de posición.**

Code	Range	Color	Price	Class	Packaging
506204	0-5 l/min		12,44 €	NJ	100
506168	0-2,5 l/min		12,44 €	NJ	100

AC 4648



- **Sede per misuratore/regolatore di portata FLUXER.**
- *Fitting for flow meter/adjuster FLUXER.*
- **Raccord pour débit-mètre/régulateur FLUXER.**
- *Anschlußnippel für Durchflussmengenmesser FLUXER.*
- **Montaje para medidor/regulador de caudal FLUXER.**

Code	Size	Manifolds type	Color	Price	Class	Packaging
501296N	1/2" M x EUROK	1"		4,058 €	NJ	50 / 200
501297N	1/2" M x EUROK	1"1/4		4,058 €	NJ	50 / 200

VTC 30



- **Vitone di comando ed intercettazione per collettori da barra in ottone.**
- *Control and isolation screw for brass-rod manifolds.*
- **Insert de commande et d'interception pour collecteurs de barre en laiton.**
- *Bedienungs- und Steuereinsatz für Verteiler aus Messingstangen.*
- **Tornillo de mando y interceptación para colectores de barra de latón.**

Code	Price	Class	Packaging
500920	8,80 €	NJ	50 / 200

VTC 30 D



- **Vitone di comando ed intercettazione con bilanciamento dinamico per collettori.**
- *Control and isolation screw with dynamic balancing for manifolds.*
- **Insert de commande et d'interception avec équilibrage dynamique pour collecteurs.**
- *Bedienungs- und Steuereinsatz mit dynamischem Abgleich für Verteiler.*
- **Tornillo de mando y interceptación con equilibrado dinámico para colectores.**

Code	Price	Class	Packaging
500920D	25,00 €	NJ	50 / 200

VTC 30 PL



- **Vitone in plastica di comando ed intercettazione per collettori in acciaio inox.**
- *Control and isolation plastic screw for stainless steel manifolds.*
- **Insert de commande et d'interception en plastique pour collecteurs en acier inox.**
- *Bedienungs- und Steuereinsatz aus Kunststoff für Edelstahl-Verteiler.*
- **Tornillo de mando y interceptación de plástico para colectores de acero inoxidable.**

Code	Price	Class	Packaging
500920PL	6,18 €	NJ	50 / 400

VDC 31 PL



- **Vitone di bilanciamento a doppia regolazione micrometrica per collettori.**
- *Balancing insert with double micrometrical adjustment for manifolds.*
- **Insert d'équilibrage à double réglage micrométrique pour collecteurs.**
- *Ausgleichoberteil mit doppelter Feineinstellung für Verteiler.*
- **Tornillo de balanceamento con doble ajuste micrométrico para colectores.**

Code	Color	Price	Class	Packaging
550044NPL		6,60 €	NJ	50 / 400

AC 4612



- **Sede per vitone di comando ed intercettazione.**
- *Fitting for command and isolation insert.*
- **Raccord pour insert de commande et d'interception.**
- *Verbinder für Bedienungs- und Steuervorrichtung.*
- **Montaje para tornillo de mando y interceptación.**

Code	Size	Manifolds type	Color	Price	Class	Packaging
501363N	1/2" M x EUROK	1"		2,48 €	NJ	50 / 400
501368N	1/2" M x EUROK	1"1/4		3,358 €	NJ	50 / 400

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AGE 09



- **Cappuccio di protezione per vitone termostatico.**
- *Protection cap for thermostatic insert.*
- **Capuchon de protection pour insert thermostatique.**
- *Schutzkappe für Thermostat-Reguliervorrichtung.*
- **Tapa de protección para tornillo termostático.**

Code	Color	Price	Class	Packaging
501278	☐	0,463 €	HA	50 / 400

TM 3053



- **Testa manuale in plastica.**
- *Plastic manual head.*
- **Tête manuelle en plastique.**
- *Kunststoff manueller Hebel.*
- **Cabezal manual.**

Code	Size	Color	Price	Class	Packaging
500046	M30 x 1,5	☐	1,555 €	AD	25 / 200

AC 652



- **Copertura isolante per collettori da barra in ottone, adatta per impianti di riscaldamento/raffrescamento radiante.**
- *Insulating cover for brass-rod manifolds, suitable for radiant heating/cooling systems.*
- **Couverture isolante pour collecteurs de barre en laiton, adaptée pour systèmes radiants de chauffage/refroidissement.**
- *Isolierabdeckung für Verteiler aus Messingstangen, geeignet für Fussbodenheizung- und Kühlung Systeme.*
- **Cubierta de aislamiento para colectores de barra de latón, adecuada para sistemas de calefacción y enfriamiento radiante.**

Code	Ways	Manifolds type	Price	Class	Packaging
506253	12	1"	27,04 €	NJ	7
506254	12	1" 1/4	27,04 €	NJ	7
506444	12	1" 1/2	33,20 €	NJ	7

AC 693



- **Copertura isolante per collettori in acciaio inox, adatta per impianti di riscaldamento/raffrescamento radiante.**
- *Insulating cover for stainless steel manifolds, suitable for radiant heating/cooling systems.*
- **Couverture isolante pour collecteurs en acier inox, adaptée pour systèmes radiants de chauffage/refroidissement.**
- *Isolierabdeckung für Verteiler aus Edelstahl, geeignet für Fussbodenheizung- und Kühlung Systeme.*
- **Cubierta de aislamiento para colectores de acero inoxidable, adecuada para sistemas de calefacción y enfriamiento radiante.**

Code	Ways	Manifolds type	Price	Class	Packaging
506270	12	1"	36,74 €	NJ	7

AC 693 F



- **Kit composto da 2 fascette di fissaggio per copertura isolante AC 693.**
- *Kit composed by 2 fixing hose clamps for insulating cover AC 693.*
- **Kit composé de 2 pinces de fixation pour couverture isolante AC 693.**
- *Kit bestehend aus 2 Befestigungsklammern für Isolierabdeckung AC 693.*
- **Kit compuesto por 2 abrazaderas de fijación para cubierta de aislamiento AC 693.**

Code	Price	Class	Packaging
500697	3,786 €	NJ	1 / 35

AC 690



- **Termometro con catenella per collettori in acciaio inox e EASY-RADIANT.**
- *Thermometer with chain for stainless steel and EASY-RADIANT manifolds.*
- **Thermomètre avec chaîne pour collecteurs en acier inox et EASY-RADIANT.**
- *Thermometer mit Kette für Verteiler aus Edelstahl und EASY-RADIANT.*
- **Termómetro con cadena para colectores de acero inoxidable y EASY-RADIANT.**

Code	Size	Range	Price	Class	Packaging
510180	Ø40 mm	0-80 °C	16,77 €	NJ	25 / 200

FLC 15



- **Flussimetro.**
- *Flow meter.*
- **Fluxmètre.**
- *Durchflussmesser.*
- **Fluxímetro.**

Code	Size	Range	Color	Price	Class	Packaging
500867	EUROK	1-4 l/min	▢	13,62 €	NJ	20 / 80

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TE 3040 IV



- **Testa elettrotermica normalmente chiusa (2 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 40 mm.**
- *Electrothermal head normally closed (2 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 40 mm.*
- **Tête électrothermique normalement fermée (2 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 40 mm.**
- *Elektrothermischer Stellantriebe stromlos-zu (2 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 40 mm.*
- **Cabeza electrotérmica normalmente cerrada (de 2 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 40 mm.**

Code	Size	Manifolds type	Price	Class	Packaging
501508E	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 40 mm	29,64 €	AC	1 / 100

TE 3040



- **Testa elettrotermica normalmente chiusa (2 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 50 mm (no EASY-RADIANT).**
- *Electrothermal head normally closed (2 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 50 mm (no EASY-RADIANT).*
- **Tête électrothermique normalement fermée (2 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 50 mm (non EASY-RADIANT).**
- *Elektrothermischer Stellantriebe stromlos-zu (2 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 50 mm (keine EASY-RADIANT).*
- **Cabeza electrotérmica normalmente cerrada (de 2 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 50 mm (no EASY-RADIANT).**

Code	Size	Manifolds type	Price	Class	Packaging
501508	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 50 mm (no EASY-RADIANT)	36,60 €	AC	1 / 100
501524	M30 x 1,5 ; ON / OFF (24 V AC/DC)	OC distance ≥ 50 mm (no EASY-RADIANT)	36,60 €	AC	100

TE 3050 MC



- **Testa elettrotermica normalmente chiusa con contatto di fine corsa (4 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 40 mm.**
- *Electrothermal head normally closed with limit switch contact (4 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 40 mm.*
- **Tête électrothermique normalement fermée avec contact de fin de course (4 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 40 mm.**
- *Elektrothermischer Stellantriebe stromlos-zu mit Endschalterkontakt (4 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 40 mm.*
- **Cabeza electrotérmica normalmente cerrada con contacto de fin de carrera (de 4 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 40 mm.**

Code	Size	Manifolds type	Price	Class	Packaging
500808MC	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 40 mm	43,43 €	AC	100

TE 3050 M



- **Testa elettrotermica normalmente chiusa con contatto di fine corsa (4 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 50 mm (no EASY-RADIANT).**
- *Electrothermal head normally closed with limit switch contact (4 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 50 mm (no EASY-RADIANT).*
- **Tête électrothermique normalement fermée avec contact de fin de course (4 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 50 mm (non EASY-RADIANT).**
- *Elektrothermischer Stellantriebe stromlos-zu mit Endschalterkontakt (4 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 50 mm (keine EASY-RADIANT).*
- **Cabeza electrotérmica normalmente cerrada con contacto de fin de carrera (de 4 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 50 mm (no EASY-RADIANT).**

Code	Size	Manifolds type	Price	Class	Packaging
500808M	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 50 mm (no EASY-RADIANT)	43,43 €	AC	100
500028M	M30 x 1,5 ; ON / OFF (24 V AC/DC)	OC distance ≥ 50 mm (no EASY-RADIANT)	43,43 €	AC	1 / 100

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BALL VALVES

POTABLE WATER COMPATIBILITY

AC 635 NB



- **Valvola a sfera diritta maschio-femmina senza raccordo, manovra a farfalla (blu).**
- *Male-female straight ball valve without fitting, butterfly operation (blue).*
- **Vanne à bille droite mâle-femelle sans raccord, manœvre à papillon (bleu).**
- *Durchgangs-Kugelventil AG-IG ohne Verschraubung, mit Flügelgriff (blau).*
- **Válvula de bola recta macho-hembra sin racor, vuelta a mariposa para maniobrar (azul).**

Code	Size	Color	Price	Class	Packaging
501352NB	1/2" F x 3/4" M		11,51 €	NO	12 / 96
501353NB	3/4" F x 1" M		15,21 €	NO	10 / 80
501354NB	1" F x 1"1/4 M		21,64 €	NO	6 / 48
501455B	1"1/4 F x 1"1/2 M		38,74 €	NO	6 / 48

AC 635 NR



- **Valvola a sfera diritta maschio-femmina senza raccordo, manovra a farfalla (rossa).**
- *Male-female straight ball valve without fitting, butterfly operation (red).*
- **Vanne à bille droite mâle-femelle sans raccord, manœvre à papillon (rouge).**
- *Durchgangs-Kugelventil AG-IG ohne Verschraubung, mit Flügelgriff (rot).*
- **Válvula de bola recta macho-hembra sin racor, vuelta a mariposa para maniobrar (roja).**

Code	Size	Color	Price	Class	Packaging
501352N	1/2" F x 3/4" M		11,51 €	NO	12 / 96
501353N	3/4" F x 1" M		15,21 €	NO	10 / 80
501354N	1" F x 1"1/4 M		21,64 €	NO	6 / 48
501455	1"1/4 F x 1"1/2 M		38,67 €	NO	6 / 48

AC 654 NB



- **Valvola a sfera diritta maschio-femmina completa di bocchettone a tenuta morbida, manovra a farfalla (blu).**
- *Male-female straight ball valve complete with soft-seal fitting, butterfly operation (blue).*
- **Vanne à bille droite mâle-femelle avec goulotte à étanchéité souple, manoeuvre à papillon (bleu).**
- *Durchgangs-Kugelventil AG-IG mit Selbstdichtendsstutzen und Flügelgriff (blau).*
- **Válvula de bola recta macho-hembra completa de manguito de unión con junta blanda, vuelta a mariposa para maniobrar (azul).**

Code	Size	Color	Price	Class	Packaging
506400B	1/2"		14,97 €	NO	12 / 96
506401B	3/4"		21,58 €	NO	8 / 64
506402B	1"		29,30 €	NO	6 / 48
506403B	1"1/4		58,43 €	NO	3 / 24

AC 654 NR



- **Valvola a sfera diritta maschio-femmina completa di bocchettone a tenuta morbida, manovra a farfalla (rossa).**
- *Male-female straight ball valve complete with soft-seal fitting, butterfly operation (red).*
- **Vanne à bille droite mâle-femelle avec goulotte à étanchéité souple, manoeuvre à papillon (rouge).**
- *Durchgangs-Kugelventil AG-IG mit Selbstdichtendsstutzen und Flügelgriff (rot).*
- **Válvula de bola recta macho-hembra completa de manguito de unión con junta blanda, vuelta a mariposa para maniobrar (roja).**

Code	Size	Color	Price	Class	Packaging
506400R	1/2"		14,97 €	NO	12 / 96
506401R	3/4"		21,58 €	NO	8 / 64
506402R	1"		29,30 €	NO	6 / 48
506403R	1"1/4		58,43 €	NO	3 / 24

AC 655 NST



- **Coppia di valvole a sfera diritte maschio-femmina complete di bocchettone a tenuta morbida, manovra a farfalla.**
- *Pair of male-female straight ball valves with soft-seal fitting, butterfly operation.*
- **Set de vannes à bille droites mâle-femelle avec goulotte à étanchéité souple, manoeuvre à papillon.**
- *Paar Durchgangs-Kugelventil AG-IG mit Selbstdichtendsstutzen und Flügelgriff.*
- **Conjunto de válvulas de bola rectas macho-hembra completas de manguito de unión con junta blanda, vuelta a mariposa.**

Code	Size	Color	Price	Class	Packaging
506404	1/2"	/	29,27 €	NO	6 / 48
506405	3/4"	/	43,30 €	NO	5 / 20
506406	1"	/	58,75 €	NO	2 / 16
506407	1"1/4	/	116,88 €	NO	2 / 8
506408	1"1/2	/	178,11 €	NO	1 / 4

AC 655 N



- **Coppia di valvole a sfera diritte maschio-femmina complete di bocchettone a tenuta morbida e termometro, manovra a farfalla.**
- *Pair of male-female straight ball valves with soft-seal fitting and thermometer, butterfly operation.*
- **Set de vannes à bille droites mâle-femelle avec goulotte à étanchéité souple et thermomètre, manoeuvre à papillon.**
- *Paar Durchgangs-Kugelventil AG-IG mit Selbstdichtendsstutzen, Thermometer und Flügelgriff.*
- **Conjunto de válvulas de bola rectas macho-hembra completas de manguito de unión con junta blanda y termómetro, vuelta a mariposa.**

Code	Size	Color	Price	Class	Packaging
520132	1"	/	92,00 €	NO	1 / 12
520133	1"1/4	/	167,67 €	NO	1 / 8

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POTABLE WATER COMPATIBILITY

AC 636 NB



- **Valvola a sfera diritta femmina–femmina, manovra a farfalla (blu).**
- *Female-female straight ball valve, butterfly operation (blue).*
- **Vanne à bille droite femelle–femelle, manœvre à papillon (bleu).**
- *Durchgangs-Kugelventil IG–IG mit Flügelgriff (blau).*
- **Válvula de bola recta hembra–hembra, vuelta a mariposa para maniobrar (azul).**

Code	Size	Color	Price	Class	Packaging
501905NB	3/4“		15,75 €	NO	10 / 80
501418NB	1“		24,48 €	NO	8 / 64
506299NB	1“1/4		36,27 €	NO	8 / 64

AC 636 NR



- **Valvola a sfera diritta femmina–femmina, manovra a farfalla (rossa).**
- *Female-female straight ball valve, butterfly operation (red).*
- **Vanne à bille droite femelle–femelle, manœvre à papillon (rouge).**
- *Durchgangs-Kugelventil IG–IG mit Flügelgriff (rot).*
- **Válvula de bola recta hembra–hembra, vuelta a mariposa para maniobrar (roja).**

Code	Size	Color	Price	Class	Packaging
501905NR	3/4“		15,75 €	NO	10 / 80
501418NR	1“		24,48 €	NO	8 / 64
506299NR	1“1/4		36,27 €	NO	8 / 64

AC 635 BCM



- **Valvola a sfera diritta maschio-femmina completa di bocchettone semplice, manovra a leva (blu).**
- *Male-female straight ball valve complete with simple fitting, lever operation (blue).*
- **Vanne à bille droite mâle-femelle avec goulotte simple, manoeuvre à levier (bleue).**
- *Durchgangs-Kugelventil AG-IG mit Verschraubung und Hebelgriff (blau).*
- **Válvula de bola recta macho-hembra completa de manguito de unión simple, con palanca para maniobrar (azul).**

Code	Size	Color	Price	Class	Packaging
506257B	1“1/2		89,06 €	NO	2 / 8

AC 635 RCM



- **Valvola a sfera diritta maschio-femmina completa di bocchettone semplice, manovra a leva (rossa).**
- *Male-female straight ball valve complete with simple fitting, lever operation (red).*
- **Vanne à bille droite mâle-femelle avec goulotte simple, manoeuvre à levier (rouge).**
- *Durchgangs-Kugelventil AG-IG mit Verschraubung und Hebelgriff (rot).*
- **Válvula de bola recta macho-hembra completa de manguito de unión simple, con palanca para maniobrar (roja).**

Code	Size	Color	Price	Class	Packaging
506257R	1“1/2		89,06 €	NO	2 / 8

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POTABLE WATER COMPATIBILITY

AC 643 NB



- **Valvola a sfera a squadra maschio-femmina senza raccordo, manovra a farfalla (blu).**
- *Male-female square ball valve without fitting, butterfly operation (blue).*
- **Vanne à bille équerre mâle-femelle sans raccord, manœvre à papillon (bleu).**
- *Eck-Kugelventil AG-IG ohne Verschraubung, mit Flügelgriff (blau).*
- **Válvulas de bola de escuadra macho-hembra sin racor, vuelta a mariposa para maniobrar (azul).**

Code	Size	Color	Price	Class	Packaging
508000NB	3/4" F x 1" M		26,44 €	NO	8 / 64
508001NB	1" F x 1"1/4 M		35,81 €	NO	5 / 40
508002NB	1" F x 1"1/2 M		39,67 €	NO	8 / 32

AC 643 NR



- **Valvola a sfera a squadra maschio-femmina senza raccordo, manovra a farfalla (rossa).**
- *Male-female square ball valve without fitting, butterfly operation (red).*
- **Vanne à bille équerre mâle-femelle sans raccord, manœvre à papillon (rouge).**
- *Eck-Kugelventil AG-IG ohne Verschraubung, mit Flügelgriff (rot).*
- **Válvulas de bola de escuadra macho-hembra sin racor, vuelta a mariposa para maniobrar (roja).**

Code	Size	Color	Price	Class	Packaging
508000NR	3/4" F x 1" M		26,44 €	NO	8 / 64
508001NR	1" F x 1"1/4 M		35,81 €	NO	5 / 40
508002NR	1" F x 1"1/2 M		39,67 €	NO	8 / 32

AC 682 NST



- **Coppia di valvole a sfera a squadra maschio-femmina complete di bocchettone a tenuta morbida, manovra a farfalla.**
- *Pair of male-female angle ball valves complete with soft seal fitting, butterfly operation.*
- **Set de vannes à bille équerre mâle-femelle avec goulotte à étanchéité souple, manœvre à papillon.**
- *Paar Eck-Kugelventile AG-IG mit Selbstdichtendsstutzen und Flügelgriff.*
- **Conjunto de válvulas de bola de escuadra macho-hembra completas de manguito de unión con junta blanda, vuelta a mariposa para maniobrar.**

Code	Size	Color	Price	Class	Packaging
508005ST	1" F x 1" M	/	94,13 €	NO	2 / 8
508006ST	1" F x 1"1/4 M	/	124,07 €	NO	2 / 8

AC 682 N



- **Coppia di valvole a sfera a squadra maschio-femmina complete di bocchettone a tenuta morbida e termometro, manovra a farfalla.**
- *Pair of male-female angle ball valves complete with soft seal fitting and thermometer, butterfly operation.*
- **Set de vannes à bille équerre mâle-femelle avec goulotte à étanchéité souple et thermomètre, manœvre à papillon.**
- *Paar Eck-Kugelventile AG-IG mit Selbstdichtendsstutzen, Thermometer und Flügelgriff.*
- **Conjunto de válvulas de bola de escuadra macho-hembra completas de manguito de unión con junta blanda y termómetro, vuelta a mariposa para maniobrar.**

Code	Size	Color	Price	Class	Packaging
508005	1" F x 1" M	/	108,37 €	NO	2 / 8
508006	1" F x 1"1/4 M	/	138,31 €	NO	2 / 8

AC 617 I



- **Termometro per valvole a sfera a squadra.**
- *Thermometer for angle ball valves.*
- **Thermomètre pour vannes à bille équerre.**
- *Thermometer für Eck-Kugelventile.*
- **Termómetro para válvulas de bola de escuadra.**

Code	Price	Class	Packaging
508010	7,12 €	NO	50 / 400

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POTABLE WATER COMPATIBILITY

AC 622 NDST



- **Coppia di valvole a sfera diritte maschio-femmina complete di bocchettone a tenuta morbida, manovra a farfalla.**
- *Pair of male-female straight ball valves with soft-seal fitting, butterfly operation.*
- **Set de vannes à bille droites mâle-femelle avec goulotte à étanchéité souple, manoeuvre à papillon.**
- *Paar Durchgangs-Kugelventil AG-IG mit Selbstdichtendsstutzen und Flügelgriff.*
- **Conjunto de válvulas de bola rectas macho-hembra completas de manguito de unión con junta blanda, vuelta a mariposa.**

Code	Size	Color	Price	Class	Packaging
506104	1"	/	58,20 €	NO	1 / 30

AC 622 ND



- **Coppia di valvole a sfera diritte maschio-femmina complete di bocchettone a tenuta morbida e termometro, manovra a farfalla.**
- *Pair of male-female straight ball valves with soft-seal fitting and thermometer, butterfly operation.*
- **Set de vannes à bille droites mâle-femelle avec goulotte à étanchéité souple et thermomètre, manoeuvre à papillon.**
- *Paar Durchgangs-Kugelventil AG-IG mit Selbstdichtendsstutzen, Thermometer und Flügelgriff.*
- **Conjunto de válvulas de bola rectas macho-hembra completas de manguito de unión con junta blanda y termómetro, vuelta a mariposa.**

Code	Size	Color	Price	Class	Packaging
506100	1"	/	73,68 €	NO	1 / 10

AC 622 NSST



- **Coppia di valvole a sfera a squadra maschio-femmina complete di bocchettone a tenuta morbida, manovra a farfalla.**
- *Pair of male-female angle ball valves with soft-seal fitting, butterfly operation.*
- **Set de vannes à bille équerre mâle-femelle avec goulotte à étanchéité souple, manœvre à papillon.**
- *Paar Eck-Kugelventile AG-IG mit Selbstdichtendsstutzen und Flügelgriff.*
- **Conjunto de válvulas de bola de escuadra macho-hembra completas de manguito de unión con junta blanda, vuelta a mariposa para maniobrar.**

Code	Size	Color	Price	Class	Packaging
506105	1"	/	76,28 €	NO	1 / 30

AC 622 NS



- **Coppia di valvole a sfera a squadra maschio-femmina complete di bocchettone a tenuta morbida e termometro, manovra a farfalla.**
- *Pair of male-female angle ball valves complete with soft seal fitting and thermometer, butterfly operation.*
- **Set de vannes à bille équerre mâle-femelle avec goulotte à étanchéité souple et thermomètre, manœvre à papillon.**
- *Paar Eck-Kugelventile AG-IG mit Selbstdichtendsstutzen, Thermometer und Flügelgriff.*
- **Conjunto de válvulas de bola de escuadra macho-hembra completas de manguito de unión con junta blanda y termómetro, vuelta a mariposa para maniobrar.**

Code	Size	Color	Price	Class	Packaging
506101	1"	/	91,76 €	NO	1 / 10

AC 658 N



- **Coppia di valvole a sfera diritte con attacco girevole maschio e termometro incorporato.**
- *Pair of straight ball valves with male swivelling fitting and built-in thermometer.*
- **Set de vannes à bille droites avec embout pivotant mâle et thermomètre incorporé.**
- *Paar gerade Kugelventile mit AG drehebare Anschluß und eingebautem Thermometer.*
- **Conjunto de válvulas de bola rectas con ataque giratorio macho y termómetro incorporado.**

Code	Size	Color	Price	Class	Packaging
506236	1"	/	85,86 €	NO	1

AC 669 N



- **Coppia di valvole a sfera diritte/squadra con attacco girevole maschio e termometro incorporato.**
- *Pair of straight/square ball valves with swivelling male fitting and built-in thermometer.*
- **Set de vannes à bille droites/équerre avec embout pivotant mâle et thermomètre incorporé.**
- *Paar gerade/Eck Kugelventile mit AG drehebare Anschluß und eingebautem Thermometer.*
- **Conjunto de válvulas de bola rectas/de escuadra de con ataque giratorio macho y termómetro incorporado.**

Code	Size	Color	Price	Class	Packaging
506237	1"	/	104,90 €	NO	1

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AC 654 G



- **Valvola a sfera diritta femmina-femmina completa di dado girevole, manovra a farfalla.**
- *Female-female straight ball valve with swivelling nut, butterfly operation.*
- **Vanne à bille droite femelle-femelle avec écrou rotatif, manoeuvre à papillon.**
- *Durchgangs-Kugelventil IG-IG mit drehbarer Mutter und Flügelgriff.*
- **Válvula de bola recta hembra-hembra completa de tuerca giratoria, vuelta a mariposa.**

Code	Size	Price	Class	Packaging
5201941	1" F swivel x Ø22 copper pipe	28,23 €	NO	8 / 32
5201951	1" F swivel x 3/4" F	21,36 €	NO	8 / 32
5201961	1" F swivel x 1" F	28,23 €	NO	8 / 32
5201971	1" F swivel x 1"1/4 F	35,12 €	NO	8 / 32

SF 1335 F



- **Valvola a sfera diritta con manovra a farfalla e dado girevole.**
- *Straight ball valve with butterfly turn and rotating nut.*
- **Vanne à bille droite avec manoeuvre à papillon et écrou rotatif.**
- *Durchgangs-Kugelventil mit Knebel und drehbarer Mutter.*
- **Válvula de bola recta con vuelta a mariposa para maniobrar y tuerca giratoria.**

Code	Size	Price	Class	Packaging
501398	EUROK x 3/4" EUROK swivel	9,53 €	NJ	20 / 160

AC 619



- **Bocchettone ad angolo con o senza spurgo per valvole a sfera.**
- *Square fitting with or without drain for ball valves.*
- **Embout à angle avec ou sans purgeur pour vannes à bille.**
- *Winkelanschluß mit oder ohne Reinigung für Kugelventile.*
- **Manguito de unión angular con o sin purga para válvulas de bola.**

Code	Size	Price	Class	Packaging
500523	1"	13,77 €	NJ	10 / 80
500526	1" x 1/2"	13,77 €	NJ	10 / 80

AC 637 N



- **Bocchettone a tenuta morbida con termometro orientabile per valvola a sfera.**
- *Soft seal fitting with adjustable thermometer for ball valves.*
- **Embout à étanchéité souple avec thermomètre orientable pour vannes à bille.**
- *Selbstdichtendsstutzen mit drehbarem Thermometer für Kugelventile.*
- **Manguito de unión con junta blanda con termómetro orientable para válvulas de bola.**

Code	Size	Price	Class	Packaging
501356N	1"1/4 F x 1" M	24,33 €	NJ	9 / 36
501357N	1"1/2 F x 1"1/4 M	43,61 €	NJ	8 / 32

SF 1325 F



- **Valvola a sfera con manovra a farfalla e bocchettone a tenuta morbida.**
- *Butterfly operated straight ball valve with soft seal fitting.*
- **Vanne à bille droite avec manoeuvre à papillon et goulotte à étanchéité souple.**
- *Durchgangs-Kugelventil mit Knebel und Stutzen mit O-Ring.*
- **Válvula de bola recta con vuelta a mariposa para maniobrar y manguito de unión con junta blanda.**

Code	Size	Price	Class	Packaging
500893	EUROK x 1/2"M O-ring	11,68 €	NJ	20 / 80

SF 1570



- **Valvola a sfera diritta maschio-femmina, manovra a farfalla**
- *Male-female straight ball valve, butterfly operation*
- **Vanne à bille droite mâle-femelle, manoevre à papillon**
- *Durchgangs-Kugelventil AG-IG, mit Flügelgriff*
- **Válvula de bola recta macho-hembra, vuelta a mariposa para maniobrar**

Code	Size	Price	Class	Packaging
500379	1/2" F x 1/2" M	8,60 €	NJ	20 / 160

AC 619 L



- **Bocchettone ad L con o senza spurgo per valvole a sfera.**
- *Square fitting with or without drain for ball valves.*
- **Embout à L avec ou sans purgeur pour vannes à bille.**
- *Winkelanschluß lang mit oder ohne Reinigung für Kugelventile.*
- **Manguito de unión angular con o sin purga para válvulas de bola.**

Code	Size	Price	Class	Packaging
500528	1"	18,78 €	NJ	10 / 80
500529	1" x 1/2"	18,78 €	NJ	10 / 40

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AGE 01 N



- **Bocchettone a tenuta morbida.**
- *Soft seal fitting.*
- **Goulotte à étanchéité souple.**
- *Stutzen mit O-Ring.*
- **Manguito de unión con junta blanda.**

Code	Size	Color	Price	Class	Packaging
506074	5/8" F x 3/8" M O-ring		4,058 €	HA	75 / 300
500106	3/4" F x 3/8" M O-ring		3,501 €	HA	50 / 400
501279	3/4" F x 1/2" M O-ring (short version)		3,501 €	HA	50 / 200
500605N	3/4" F x 1/2" M O-ring		3,678 €	HA	50 / 200
501215N	1" F x 3/4" M O-ring		6,77 €	HA	35 / 140
506032N	1" F x 1" M O-ring		7,35 €	HA	20 / 160
506060N	1" F TP x 1" M O-ring		7,77 €	HA	20 / 160
501214N	1"1/4 F x 1" M O-ring		8,36 €	HA	20 / 80
501219	1"1/2 F x 1"1/4 M O-ring		18,69 €	HA	10 / 80

AC 6450



- **Bocchettone a tenuta morbida per valvole a sfera con termometro orientabile, valvola di sfiato automatica e rubinetto di svuotamento orientabile. G = con dado girevole 1"1/4.**
- *Soft seal fitting for ball valves with adjustable thermometer, automatic vent valve and adjustable draining cock. G = with 1"1/4 rotating nut.*
- **Embout à étanchéité souple pour vannes à bille avec thermomètre orientable, soupape d'aération automatique et robinet de vidange orientable. G = avec écrou rotatif 1"1/4.**
- *Selbstdichtendsstutzen mit drehbarem Thermometer für Kugelventile, Schnellentlüfter und drehbarem Entleerungshahn. G = mit 1"1/4 drehbarer Mutter.*
- **Manguito de unión con junta blanda para válvulas de bola con termómetro orientable, válvulas de purga automática y llave de descarga orientable. G = con tuerca giratoria 1"1/4.**

Code	Size	Accessories	Price	Class	Packaging
500124	1" F x 1" M		52,65 €	NJ	4 / 32
500124G	1"1/4 F x 1" M	1 1/4" rotating nut	57,36 €	NJ	4 / 32

AC 645



- **Bocchettone a tenuta morbida a 3 attacchi per valvole a sfera.**
- *3 connection soft seal fitting for ball valves.*
- **Embout à étanchéité souple à 3 attaches pour vannes à bille.**
- *Anschlussstück mit O-Ring und 3 Anschlüssen für Kügelventile.*
- **Manguito de unión con junta blanda con 3 conexiónes para válvulas de bola.**

Code	Size	Price	Class	Packaging
500073	1" F - 3 x 1/2" F	18,23 €	NJ	10 / 80

AC 645 G



- **Bocchettone a tenuta morbida a 3 attacchi per valvole a sfera con dado girevole 1"1/4.**
- *3 connection soft seal fitting for ball valves with 1"1/4 rotating nut.*
- **Embout à étanchéité souple à 3 attaches pour vannes à bille avec écrou rotatif 1"1/4.**
- *Anschlussstück mit O-Ring und 3 Anschlüssen für Kügelventile mit 1"1/4 drehbarer Mutter.*
- **Manguito de unión con junta blanda con 3 conexiónes para válvulas de bola con tuerca giratoria de 1"1/4.**

Code	Size	Accessories	Price	Class	Packaging
500073G	1"1/4 F - 3 x 1/2" F	1 1/4" rotating nut	21,48 €	NJ	10 / 80

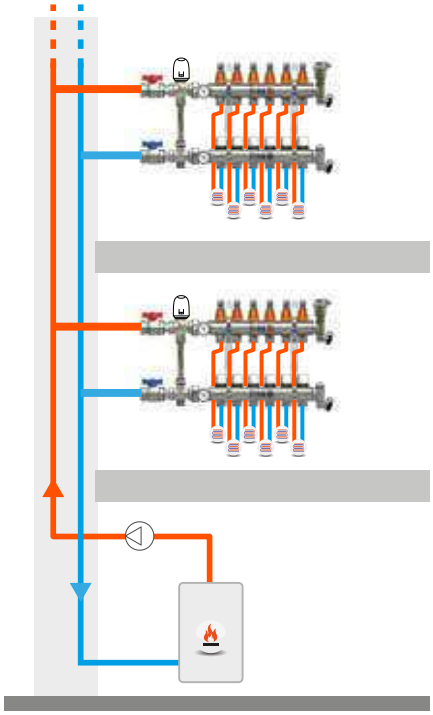
FOCUS: inlet port with swivel fitting

The soft seal inlet port enables the connection of a variety of accessories such as an automatic purge valve, an adjustable thermometer, a bypass or drain valve. If aligned connections are required, for example to maintain the correct height of the purge valve, the "G" version is specially recommended, complete with additional rotary lock nut.

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ZONE VALVES

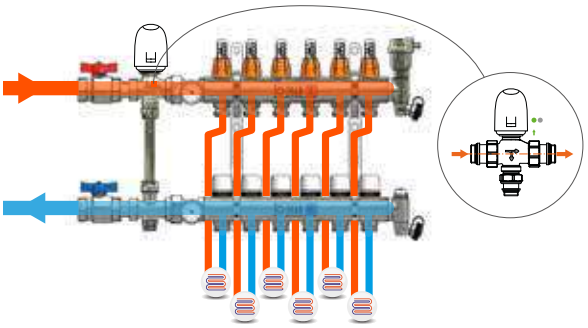
The zone valves are shutoff and bypass devices that enable control of the flow to distribution terminals such as manifolds. These devices are used in so-called separate zone systems: an ambient thermostat manages opening of the zone valve and thus the flow of heating fluid to the utilities in the relative zone.



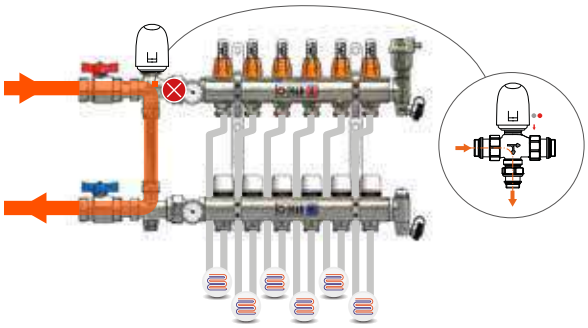
Example of zone valve + manifold operation

Versions are available with piston control via suitable electro-thermal actuators or ball controlled versions controlled by rotary servomotors.
VZ range valves with piston inserts are 3-way bypass valves (one inlet and two outlets): available in stand-alone versions (VZ30) or with bypass kit for third way balancing and provision for connection to manifolds with centre-to-centre distance 200 mm (VZ 00).
Correct operation requires the valve to be open on the straight section in the event of heat demand in the zone, while the flow is bypassed along the central way of the bypass when the zone is off.
VZ 00 versions are also equipped with a bypass tee fitting with integrated balancing device: this enables the creation on the third central way of the same pressure drop generated by the circuits downline of the zone valve, so that the system is always balanced even during operation bypass mode.

Alternatively, the VZS range includes the ball zone valves. This type is used to reduce pressure drops and is therefore ideal mainly in situations where high flow rates are required. They also feature relatively low manoeuvre times thanks to the AVZS actuators which trigger opening/closure of the valve in 25 s – 50 s – 90 s, depending on the selected model.
This range also includes the models VZS 05, i.e. a 2-way ball zone valve used in zone systems served by electronic high-performance variable-speed circulation pumps, and VZS 10 which is a bypass valve with inlet from the central way.

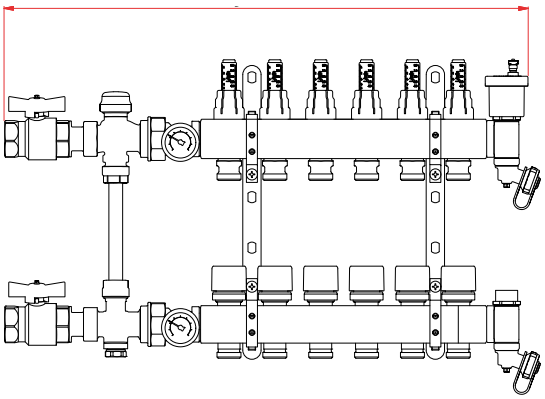


Zone valve + manifolds, flow with ON



Zone valve + manifolds, flow with OFF

MANIFOLDS KIT WIDTH AND SUITABLE CABINET



Manidold ways	2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways	13 ways
Brass 1" manifolds kit width	370 mm	420 mm	470 mm	520 mm	570 mm	620 mm	670 mm	720 mm	770 mm	820 mm	870 mm	920 mm
Stainless steel 1" manifolds kit width	388 mm	438 mm	488 mm	538 mm	588 mm	638 mm	688 mm	738 mm	788 mm	838 mm	888 mm	938 mm
Technopolymer 1" manifolds kit width	449 mm	499 mm	549 mm	599 mm	649 mm	699 mm	749 mm	799 mm	849 mm	899 mm	949 mm	999 mm
AC 840 — **Cabinet code**	**200686**	**200686**	**200186**	**200186**	**200786**	**200786**	**200286**	**200286**	**200886**	**200886**	**200386**	**200386**
AC 840 — Cabinet width	600 mm	600 mm	700 mm	700 mm	800 mm	800 mm	900 mm	900 mm	1.000 mm	1.000 mm	1.100 mm	1.100 mm

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VZ 00



- **Valvola di zona a pistone con bypass regolabile e memoria di posizione per collettori.**
- *Piston zone valve with adjustable bypass and position memory for manifolds.*
- **Vanne de zone à piston avec bypass réglable et mémoire de position pour collecteurs.**
- *Zonenventil mit Kolben mit einstellbarem Bypass und Einstellungsspeicher für Verteiler.*
- **Válvula de zona de pistón con bypass regulable y memoria de posición para colectores.**

Code	Size	OC distance	Depth	Price	Class	Packaging
550700	3/4" O-ring	200 mm	110 mm	89,55 €	NY	1 / 10
550715P80	1" O-ring	200 mm	80 mm	92,10 €	NY	1 / 25
550715	1" O-ring	200 mm	110 mm	92,10 €	NY	1 / 10

VZ 30



- **Valvola di zona deviatrice a pistone a 3 vie.**
- *3-way diverter piston zone valve.*
- **Vanne de zone déviatrice à piston à 3 voies.**
- *3-Wege-Zonenumschaltventil mit Kolben.*
- **Válvula de zona desviadora de pistón de 3 vías.**

Code	Size	Price	Class	Packaging
550710	3/4" M O-ring x 1/2" M O-ring x 3/4" M O-ring	46,88 €	NY	1 / 32
550711	1" M O-ring x 1/2" M O-ring x 1" M O-ring	47,17 €	NY	1 / 32



• TE 3040 IV >> p. 145,220,361,467,478



• TE 3040 >> p. 220,360,396,467,478



• TE 3050 MC >>p. 145,220,361,467,478



• TE 3050 M >> p. 220,360,396,467,478

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VZS 00



- **Valvola di zona a sfera a 2 vie.**
- *2-way ball zone valve.*
- **Vanne de zone à bille à 2 voies.**
- *2-Wege-Zonenkugelventil.*
- **Válvula de zona de bola con 2 vías.**

Code	Size	Price	Class	Packaging
506210	3/4“ M O-ring	48,66 €	NX	1 / 32
506211	1“ M O-ring	61,99 €	NX	1 / 32
506212	1“1/4 M O-ring	85,47 €	NX	1 / 32

VZS 05



- **Valvola di zona a sfera a 2 vie con doppio boccheggione.**
- *2-way ball zone valve with double fitting.*
- **Vanne de zone à bille à 2 voies avec double embout.**
- *2-Wege-Zonenkugelventil mit doppelt Selbstdichtendsstutzen.*
- **Válvula de zona de bola con 2 vías con doble manguito de unión.**

Code	Size	Price	Class	Packaging
506222	3/4“ M O-ring x 3/4“ M O-ring	63,29 €	NX	1 / 32
506223	1“ M O-ring x 1“ M O-ring	82,26 €	NX	1 / 32
506224	1“1/4 M O-ring x 1“1/4 M O-ring	122,29 €	NX	1 / 8

VZS 10



- **Valvola di zona a sfera deviatrice a 3 vie.**
- *3-way diverter ball zone valve.*
- **Vanne de zone à bille déviatrice à 3 voies.**
- *3-Wege-Zonenumschaltkugelventil.*
- **Válvula de zona de bola desviadora con 3 vías.**

Code	Size	Price	Class	Packaging
506220	3/4“ O-ring x 3/4“ O-ring x 3/4“ O-ring	84,76 €	NX	1
506221	1“ O-ring x 1“ O-ring x 1“ O-ring	115,08 €	NX	1 / 4

AVZS 02



- **Servomotore per valvole di zona a sfera a 2 vie.**
- *Servo motor for 2-way ball zone valves.*
- **Servomoteur pour vannes de zone à bille à 2 voies.**
- *Stellantriebe für 2-Wege-Zonenkugelventile.*
- **Servomotor para válvulas de zona de bola con 2 vías.**

Code	Size	Price	Class	Packaging
506166	230 V - 90 sec.	141,82 €	NN	1 / 8

AVZS 00



- **Servomotore per valvole di zona a sfera.**
- *Servo motor for ball zone valves.*
- **Servomoteur pour vannes de zone à bille.**
- *Stellantriebe für Zonenkugelventile.*
- **Servomotor para válvulas de zona de bola.**

Code	Size	Price	Class	Packaging
506241	230 V AC - 50 sec.	178,16 €	NN	1

AVZS 01



- **Servomotore per valvole di zona a sfera.**
- *Servo motor for ball zone valves.*
- **Servomoteur pour vannes de zone à bille.**
- *Stellantriebe für Zonenkugelventile.*
- **Servomotor para válvulas de zona de bola.**

Code	Size	Price	Class	Packaging
506241V	230 V AC - 25 sec.	178,16 €	NN	1

AVZS 10



- **Servomotore per valvole di zona a sfera con dispositivo di sblocco.**
- *Servo motor for ball zone valves with release device.*
- **Servomoteur pour les vannes de zone à bille avec dispositif de déblocage.**
- *Stellantriebe für Zonenkugelventile mit Entriegelungsvorrichtung.*
- **Servomotor para válvulas de zona de bola con dispositivo de desbloqueo.**

Code	Size	Price	Class	Packaging
506243	230 V AC - 50 sec.	189,32 €	NN	2 / 8

AVZS 11

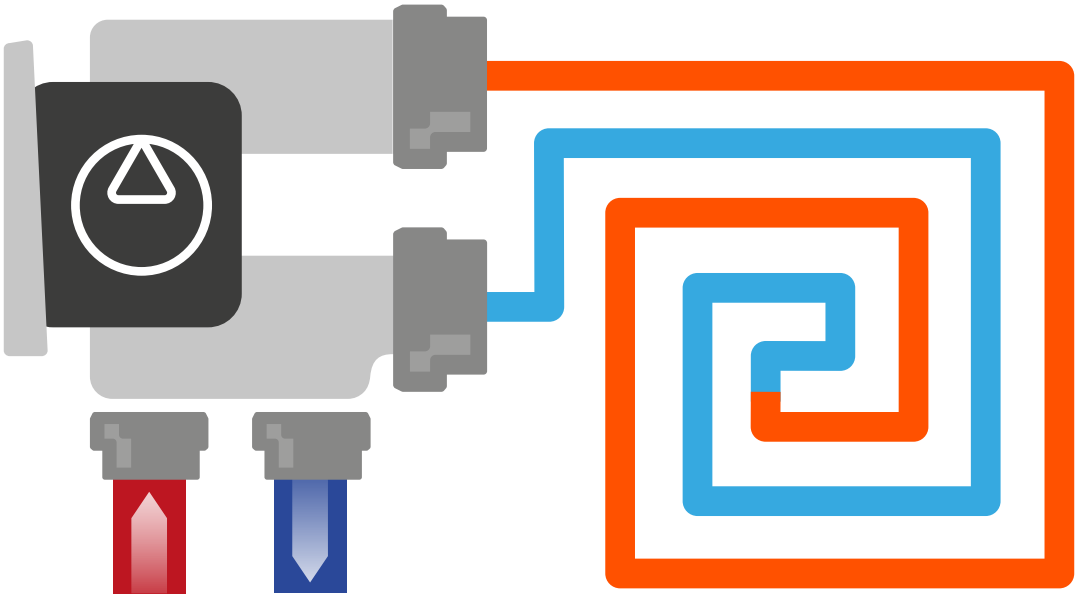


- **Servomotore per valvole di zona a sfera con dispositivo di sblocco.**
- *Servo motor for ball zone valves with release device.*
- **Servomoteur pour les vannes de zone à bille avec dispositif de déblocage.**
- *Stellantriebe für Zonenkugelventile mit Entriegelungsvorrichtung.*
- **Servomotor para válvulas de zona de bola con dispositivo de desbloqueo.**

Code	Size	Price	Class	Packaging
506242V	24 V AC - 25 sec.	190,26 €	NN	1
506243V	230 V AC - 25 sec.	189,32 €	NN	1 / 8

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RADIANT SYSTEMS



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Profundizaciónes técnicas



HEAT PUMP KIT - Unità di rilancio per sistemi con pompa di calore
HEAT PUMP KIT - Pump unit for heat pumps systems
HEAT PUMP KIT - Unité de relance pour les systèmes avec pompe à chaleur
HEAT PUMP KIT - Versorgungsgruppe für Wärmepumpensysteme
HEAT PUMP KIT - Grupo de relanzamiento para sistemas de bomba de calor
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FLOORMIX - Sistema per riscaldamento radiante
FLOORMIX - System for radiant heating
FLOORMIX - Système pour chauffage radiant
FLOORMIX - System für Flächenheizung
FLOORMIX - Sistema para calefacción radiante
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Valvole assiali a 2 vie per elevate portate
2-way axial valves for high flow capacity
Robinets axials à 2 voies pour débit élevé
2-Wege axiale Ventile für erhöhte Durchfluss
Válvulas axiales de 2 vías para caudales elevados
239



COMBIMIX - Gruppo di miscelazione e rilancio per sistemi radianti
COMBIMIX - Mixing and pump unit for radiant systems
COMBIMIX - Groupe de mélange et relance pour systèmes radiants
COMBIMIX - Misch- und Versorgungsgruppe für Flächenheizung-Systeme
COMBIMIX - Grupo de mezcla y relanzamiento para los sistemas radiantes
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TECHNOMIX - Gruppo di miscelazione e rilancio per sistemi radianti
TECHNOMIX - Mixing and pump unit for radiant systems
TECHNOMIX - Groupe de mélange et relance pour systèmes radiants
TECHNOMIX - Misch- und Versorgungsgruppe für Flachheizung-Systeme
TECHNOMIX - Grupo de mezcla y relanzamiento para los sistemas radiantes TECHNOMIX
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MULTIFLOOR - Gruppo di miscelazione e rilancio per sistemi radianti
MULTIFLOOR - Mixing and pump unit for radiant systems
MULTIFLOOR - Groupe de mélange et relance pour systèmes radiants
MULTIFLOOR - Misch- und Versorgungsgruppe für Flachheizung-Systeme
MULTIFLOOR - Grupo de mezcla y relanzamiento para los sistemas radiantes
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UNIMIX - Gruppo di miscelazione e rilancio per sistemi radianti
UNIMIX - Mixing and pump unit for radiant systems
UNIMIX - Groupe de mélange et relance pour systèmes radiants
UNIMIX - Misch- und Versorgungsgruppe für Flachheizung-Systeme
UNIMIX - Grupo de mezcla y relanzamiento para los sistemas radiantes
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UNIMIX•C - Gruppo di miscelazione e rilancio per sistemi radianti
UNIMIX•C - Mixing and pump unit for radiant systems
UNIMIX•C - Groupe de mélange et relance pour systèmes radiants
UNIMIX•C - Misch- und Versorgungsgruppe für Flachheizung-Systeme
UNIMIX•C - Grupo de mezcla y relanzamiento para los sistemas radiantes
250



Accessori per gruppi di miscelazione e rilancio UNIMIX - UNIMIX•C
Accessories for mixing and pump units UNIMIX - UNIMIX•C
Accessoires pour groupes de mélange et relance UNIMIX - UNIMIX•C
Zubehör für Misch- und Versorgungsgruppen UNIMIX - UNIMIX•C
Accesorios para grupos de mezcla y relanzamiento UNIMIX - UNIMIX•C
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UNIFLOOR - Unità di miscelazione e distribuzione per singolo circuito radiante
UNIFLOOR - Mixing and distribution unit for single radiant circuit
UNIFLOOR - Unité de mélange et distribution pour single circuit radiant
UNIFLOOR - Misch- und Verteilungs-Modul für einzel Flachheizung-Schaltung
UNIFLOOR - Unidad de mezcla y distribución para circuito radiante único
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Circolatori
Pumps
Pompes
Pumpen
Bombas
255



IC•BOX - Sistema radiante compatto senza miscelazione
IC•BOX - Non-mixed compact radiant system
IC•BOX - Système radiant compact sans mélange
IC•BOX - Kompakte Fussbodenheizung-System ohne Mischeinheit
IC•BOX - Sistema radiante compacto sin mezcla
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Pannelli per sistemi a pavimento
Panels for radiant floor systems
Panneaux pour plancher chauffant
Platte für Fussbodenheizung
Paneles para piso radiante
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Sistemi radianti a soffitto
Radiant ceiling systems
Systèmes à plafond chauffante
Decke-Heizungsysteme
Sistemas de techo radiante
278



Accessori per sistemi a pavimento
Accessories for radiant floor systems
Accessoires pour plancher chauffant
Zubehör für Fussbodenheizung
Accesorios para piso radiante
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Accessori per sistemi radianti a soffitto
Accessories for radiant ceiling systems
Accessoires pour plafond chauffante
Zubehör für Decke-Heizung
Accesorios para techo radiante
285

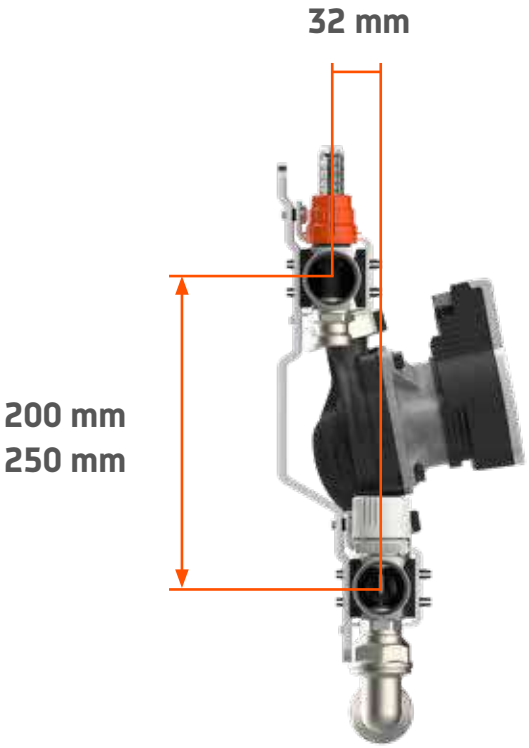


Deumidificatori
Dehumidifiers
Deshumidificateurs
Luftentfeuchter
Deshumidificadores
287

HEAT PUMP KIT

Heat Pump Kit is a booster system **to be used in combination with heat pumps**, or more generally where control of the flow temperature is not required.
The system has fittings for connection of the circulation pump, and the flow temperature to the terminal devices is managed directly upline, typically by the heat pump itself.
Heat Pump Kit features an inlet fitting with four connections, two of which are on a **swivelling body**.
The system stands out for its ease of installation thanks to this feature, as the fitting can be oriented in different ways.
Heat Pump Kit **can therefore be installed to the left or right of the distribution manifold**, making up the offset between the flow and return manifold, **and with connections to the primary circuit at the side or bottom**.
The kit can be used in combination with manifolds with 200 mm centre distance if a pump with 130 mm centre distance is used, or coupled with manifolds with 250 mm centre distance if a pump with 180 mm centre distance is used.
The kit is supplied with or without booster pump
Moreover, **by setting the circulation pump in constant p mode, the system already offers dynamic balancing at the ends of the distribution manifold** without the need to install further dynamic balancing components on the manifolds.

IDEAL FOR INSTALLATIONS with
HEAT PUMPS

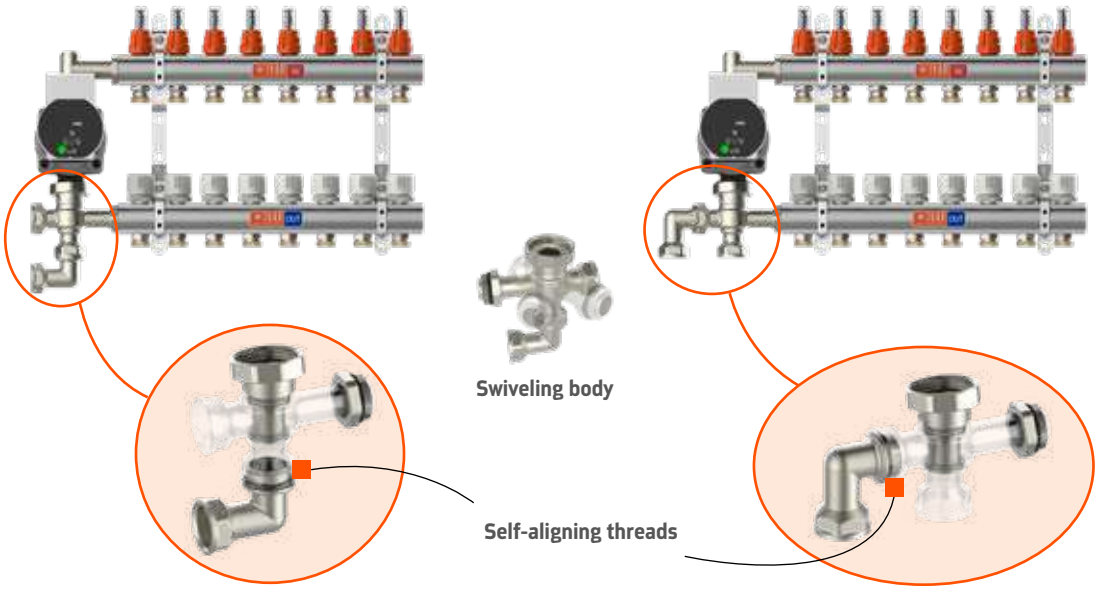


PLUS

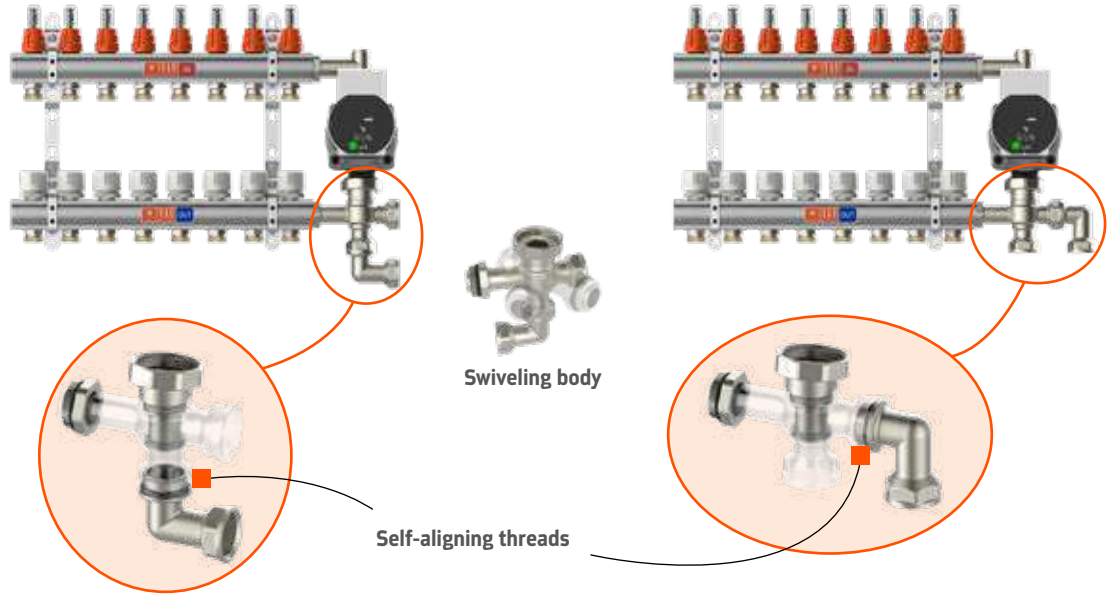
- **Booster unit for heat pump applications.**
- **Versatility of installation.**
- **Installation to the left or right of the distribution manifolds.**
- **Connections to primary from the sides or bottom.**
- **Use with pumps with 130 mm or 180 mm centre distance.**

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Manifold positioned to the right



Manifold positioned to the left



HEAT PUMP KIT



- **Gruppo di collegamento pompa con raccordo girevole, con/senza pompa elettronica a velocità variabile da 130 mm. Adatto per sistemi con controllo della temperatura di mandata effettuata a monte del collettore, per esempio impianti con pompa di calore.**
- *Pump connection unit with swivel fitting, with/without 130 mm variable speed electronic pump. Suitable for systems with flow temperature control carried out upstream of the manifold, for example heat pump systems.*
- **Unité de raccordement de la pompe avec raccord tournant, avec/sans pompe électronique à vitesse variable de 130 mm. Adapté aux systèmes avec contrôle de la température de refoulement effectuée en amont du collecteur, par example les systèmes avec pompe à chaleur.**
- *Pumpenanschlusseinheit mit Schwenkverschraubung, mit/ohne elektronischer Pumpe mit variabler Geschwindigkeit von 130 mm. Geeignet für Anlagen mit Vorlauftemperaturregelung vor dem Verteiler, zum Beispiel Wärmepumpensysteme.*
- **Unidad de conexión de bomba con racor giratorio, con/sin bomba electrónica de velocidad variable de 130 mm. Adecuado para sistemas con control de temperatura de impulsión realizado arriba del colector, por ejemplo sistemas de bomba de calor.**

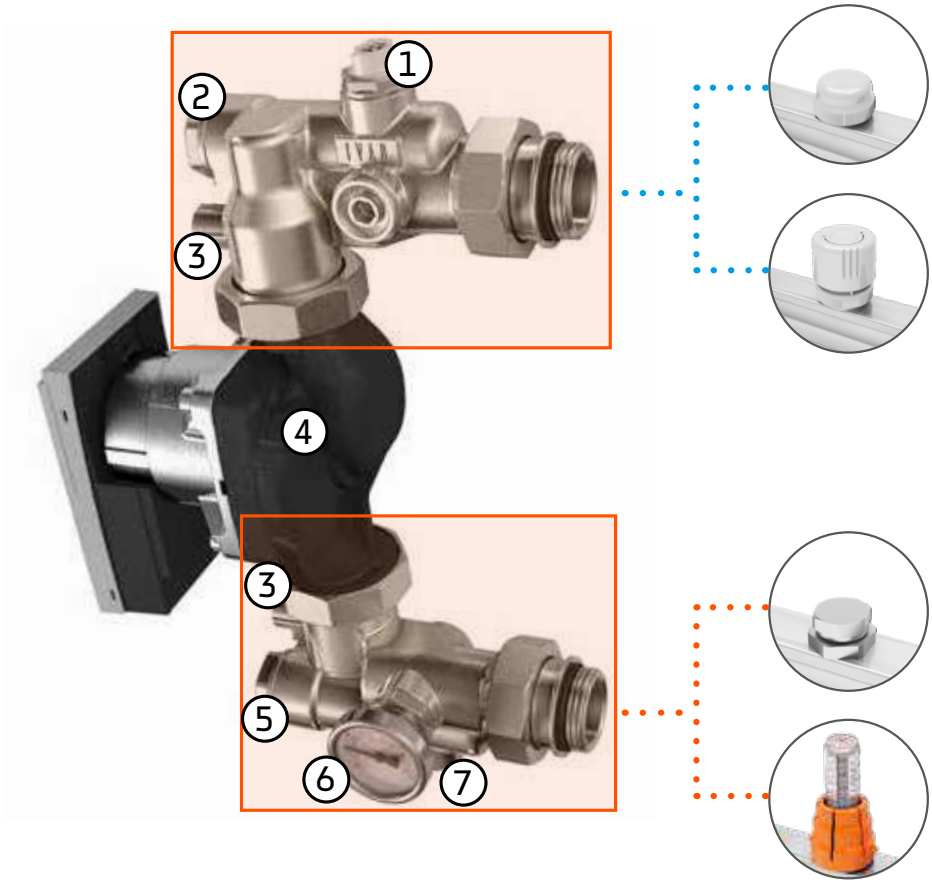
Code	Pump	Size	Manifolds type	Price	Class	Packaging
530071			1"	164,00 €	NL	1 / 4
530071PE	WILO4F	130 mm	1"	476,00 €	NL	1

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FLOORMIX

For radiant heating it is essential to control the flow temperature of the fluid in the circuit in an effective manner and to assure the design flow. FLOORMIX is a simple modular system that provides the components to carry out these important functions: a pair of fittings that make it possible to install a booster pump and service and safety components, and a series of accessories that make it possible to regulate delivery temperature. In particular, a two-way valve regulates with fixed point control (thermostatic head) or temperature control (servo motor, electronic controller and external probe) the hot water flow to mixing, which takes place directly in the return manifold. FLOORMIX is complemented by the IVAR manifold kits with pre-mounted inserts for balancing and controlling the individual zones.
Power (*): 12 kW approx.

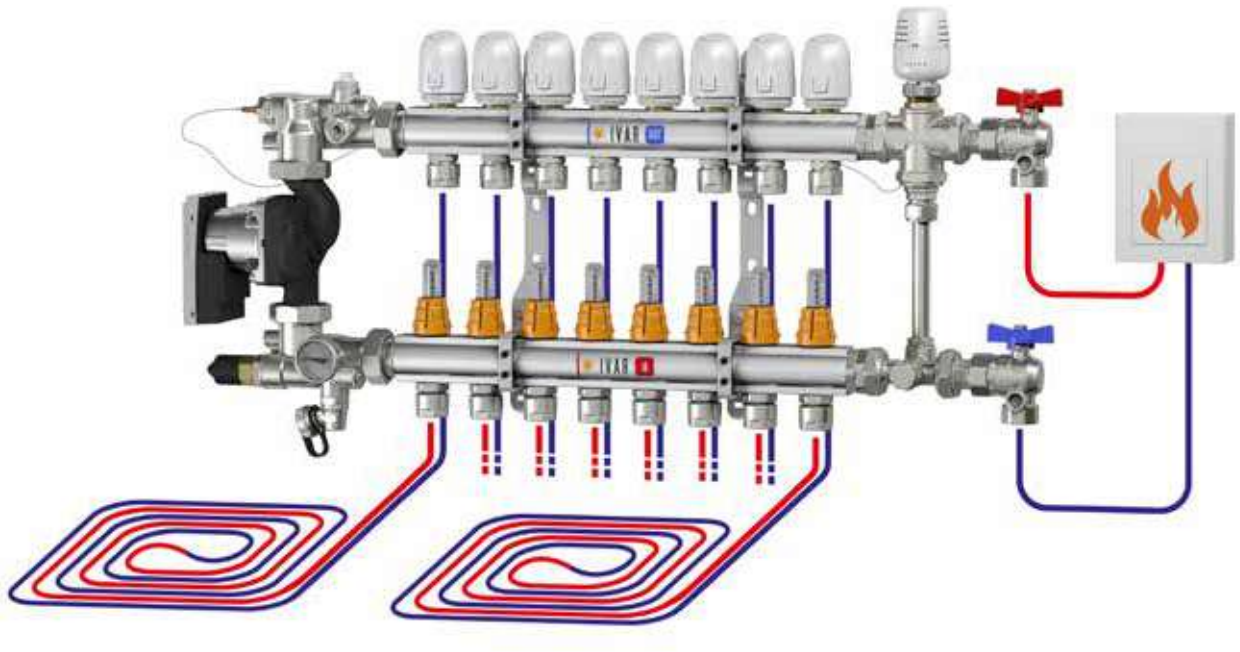
*Boiler temperature 60 °C; delivery temperature to radiant installation 40 °C with 7 °C thermal gradient; 8-way distribution manifolds



TWO MULTI-FUNCTION FITTINGS

1. Air-vent valve
2. Flow temperature sensor
3. Pump isolation valves
4. Booster pump
5. Safety thermostat pocket
6. Thermometer
7. Fill/drain valve connection

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FOCUS: mixing kits



Fixed-point adjustment



Two-way valve
with pre-mixing port



Two-way valve

OR



Weather-compensated
adjustment



Two-way valve
with pre-mixing port



Two-way valve

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AC 702



- **Gruppo collegamento pompa per sistema FLOORMIX.**
- *Pump connection unit for the FLOORMIX system.*
- **Groupe de raccordement de pompe pour système FLOORMIX.**
- *Pumpenanschlußgruppe für System FLOORMIX.*
- **Grupo de conexión bomba para sistema FLOORMIX.**

Code	Price	Class	Packaging
506075	165,88 €	NL	1 / 8

AC 662



- **Valvola di bilanciamento per sistema FLOORMIX.**
- *Balancing valve for FLOORMIX system.*
- **Vanne d'équilibrage pour système FLOORMIX.**
- *Ausgleichventil für FLOORMIX-System.*
- **Válvula de equilibrio para sistema FLOORMIX.**

Code	Size	Price	Class	Packaging
500527	1"	26,22 €	NL	2 / 64

AC 664/L



- **Kit di premiscelazione a punto fisso per sistema FLOORMIX.**
- *Fixed setting premixing kit for the FLOORMIX system.*
- **Kit de prémélange à point fixe pour système FLOORMIX.**
- *Vormischung festwert Regelung Kit für System FLOORMIX.*
- **Kit de pré-mistura com ponto fixo para sistema FLOORMIX.**

Code	Size	Price	Class	Packaging
500147	Pump 130 mm	187,23 €	NL	1 / 8
500147L	Pump 180 mm	188,55 €	NL	1

AC 664 M/ML



- **Kit di premiscelazione motorizzabile per sistema FLOORMIX.**
- *Motorized premixing kit for the FLOORMIX system.*
- **Kit de prémélange motorisable pour système FLOORMIX.**
- *Vormischung Regelung Kit für Mischermotor für System FLOORMIX.*
- **Kit de premezclado motorizable para sistema FLOORMIX.**

Code	Size	Price	Class	Packaging
500147M	Pump 130 mm	136,84 €	NL	1 / 8
500147ML	Pump 180 mm	138,10 €	NL	1

DD 321



- **Detentore diritto con bocchettone a tenuta morbida.**
- *Straight lockshield with soft seal pipe union.*
- **Raccord droit avec tubulure de raccordement à joint souple étanche.**
- *Rucklaufventil Durchgangsform mit Selbstdichtendsstutzen.*
- **Detentor recto con manguito de unión con junta blanda.**

Code	Size	Price	Class	Packaging
500645RC	3/4" F x 1" M O-ring	15,66 €	DA	10 / 80

DS 322



- **Detentore a squadra con bocchettone a tenuta morbida.**
- *Angle lockshield with soft seal pipe union.*
- **Raccord équerre avec tubulure de raccordement à joint souple étanche.**
- *Rucklaufventil Eckform mit Selbstdichtendsstutzen.*
- **Detentor de escuadra con manguito de unión con junta blanda.**

Code	Size	Price	Class	Packaging
500634RC	3/4" F x 1" M O-ring	15,58 €	DA	10 / 80

WILO4F



- **Circolatore elettronico a velocità variabile.**
- *Variable speed electronic circulator.*
- **Circulateur chauffage électronique à vitesse variable.**
- *Elektronische Umwälzpumpe mit variabler Geschwindigkeit*
- **Circulador electrónico de velocidad variable.**

Code	Size	Head loss	Price	Class	Packaging
WILO4F	1"1/2 - 130 mm	6 m	312,00 €	HK	3
WILO4F-180	1"1/2 - 180 mm	6 m	336,07 €	HK	3

WILO3F



- **Circolatore standard a 3 velocità.**
- *3-speed standard circulator.*
- **Circulateur standard à 3 vitesses.**
- *Umwälzpumpe mit 3 Geschwindigkeitsstufen.*
- **Circulador estándar de 3 velocidades.**

Code	Size	Head loss	Price	Class	Packaging
WILO3F	1"1/2 - 130 mm	6 m	216,14 €	HK	5
WILO3F-180	1"1/2 - 180 mm	6 m	230,63 €	HK	2

AC 633



- **Distanziatore filettato per pompe.**
- *Threaded spacer for pumps.*
- **Ecarteur fileté pour pompes.**
- *Zwischenstück mit Gewinde für Pumpen.*
- **Distanciador roscado para bombas.**

Code	Size	Price	Class	Packaging
500933	1"1/2 - 130 mm	29,19 €	HK	25
500934	1"1/2 - 180 mm	30,92 €	HK	20

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2-WAY AXIAL VALVES

VDS 01



- **Valvola termostatizzabile a squadra/diritta per elevate portate.**
- *Angle/straight thermostatic valve for high flow capacity*
- **Robinet thermostatisable équerre/droite pour débit élevé.**
- *Thermostatisierbares Ventil Eckform/Durchgangsform für erhöhte Durchfluss.*
- **Válvula termostatizable de escuadra/recta para caudales elevados.**

Code	Size	Price	Class	Packaging
500388	3/4" F x 3/4" M O-ring	40,40 €	BA	5 / 40
500403	3/4" F x 1" M O-ring	42,00 €	BA	5 / 20

VDS 02



- **Valvola motorizzabile a squadra/diritta per elevate portate.**
- *Angle/straight motorized valve for high flow capacity.*
- **Robinet motorisable équerre/droite pour débit élevé.**
- *Motorisierbares Ventil Eckform/Durchgangsform für erhöhte Durchfluss.*
- **Válvula motorizable de escuadra/recta para caudales elevados.**

Code	Size	Price	Class	Packaging
500388M	3/4" F x 3/4" M O-ring	46,01 €	BA	5 / 40
500403M	3/4" F x 1" M O-ring	46,01 €	BA	5 / 40

T 5011



- **Testa termostatica con comando incorporato e sensore remoto a immersione.**
- *Thermostatic head with incorporated command and remote immersion sensor.*
- **Tête thermostatique avec commande incorporée et senseur à distance à immersion.**
- *Thermostat-Kopf mit eingebauter Steuerung und Eintauch-Fernfühler.*
- **Cabeza termostática con mando incorporado y sensor remoto por inmersión.**

Code	Size	Range	Price	Class	Packaging
501175	M30 x 1,5 - 1/2"	20-60 °C	53,29 €	AA	5 / 40

T 5012



- **Testa termostatica con comando incorporato e sensore remoto a contatto.**
- *Thermostatic head with incorporated command and remote contact sensor*
- **Tête thermostatique avec commande incorporée et senseur à distance à contact.**
- *Thermostat-Kopf mit eingebauter Steuerung und Berührungs-Fernfühler.*
- **Cabeza termostática con mando incorporado y sensor remoto de contacto.**

Code	Size	Range	Price	Class	Packaging
501176	M30 x 1,5	20-60 °C	45,95 €	AA	5 / 40

AGE 13



- **Pozzetto porta sonda per teste termostatiche T 5011 e T 5011 U.**
- *Thermometer well for T 5011 and T 5011 U thermostatic heads.*
- **Doigt de gant porte-sonde pour têtes thermostatiques T 5011 et T 5011 U.**
- *Tauchhulse Halterung für Thermostatköpfe T 5011 und T 5011 U.*
- **Termopozo para sonda para cabezas termostáticas T 5011 y T 5011 U.**

Code	Actuator	Size	Price	Class	Packaging
500530	T 5011	1/2"	11,82 €	AE	25 / 200
500530U	T 5011 U	1/2"	12,62 €	AE	25 / 200

RV 01



- **Servomotore assiale. Compatibile con tutti i vitoni termostatici IVAR.**
- *Axial motor. Suitable for all IVAR thermostatic inserts.*
- **Servomoteur axial. Adapté pour tous les inserts thermostatiques IVAR.**
- *Axial-Stellantrieb. Geeignet für alle Thermostat-Reguliervorrichtungen IVAR.*
- **Servomotor axial. Adecuado para todos los tornillos termostáticos IVAR.**

Code	Size	Price	Class	Packaging
501381	M30 x 1,5 - 3-point regulation (230 V AC)	141,88 €	PC	1 / 100
501383	M30 x 1,5 - Proportional 0-10 V (24 V AC/DC)	164,60 €	PC	1 / 100



- **CLIMA•HUB - Regolatore elettronico per impianti di riscaldamento e raffrescamento >>p. 349**
- *CLIMA•HUB - Electronic controller for heating and cooling systems >>p. 349*
- **CLIMA•HUB - Régulateur électronique pour systèmes de chauffage et de refroidissement >>p. 349**
- *CLIMA•HUB - Elektronischer Regler für Heiz- und Kühlsysteme >>p. 349*
- **CLIMA•HUB - Regulador electrónico para sistemas de calefacción y refrigeración >>p. 349**

TE 3061



- **Testa elettrotermica normalmente chiusa (comando proporzionale 0-10 V). Compatibile con tutti i vitoni termostatizzabili IVAR.**
- *Electrothermal head normally closed (proportional control 0-10 V). Suitable for all IVAR thermostatic inserts.*
- **Tête électrothermique normalement fermée (commande proportionnel 0-10 V). Adaptée pour tous les inserts thermostatisables IVAR.**
- *Elektrothermischer Stellantriebe normalerweise geschlossen (proporzional Steuerung 0-10 V). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR.*
- **Cabeza electrotérmica normalmente cerrada (control proporcional 0-10 V). Adecuada para todos los tornillos termostatizables IVAR.**

Code	Size	Price	Class	Packaging
500887	M30 x 1,5 ; Proportional 0-10 V (24 V AC)	126,64 €	AC	100

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COMBIMIX

COMBIMIX is a mixing and boosting unit for radiant systems. The delivery temperature is controlled by a 2-way valve, which regulates the inflow of hot water to the mixing station ("injection" system). The unit is available in a version with fixed point control and thermostat head or climate controlled with servomotor, to be integrated with electronic regulator with external probe.
Complete with valves for balancing, shutoff, air purge and draining/filling, COMBIMIX combines all essential functions in a compact and easily accessible unit. The unit can be combined with an IVAR kit of manifolds in brass or stainless steel with pre-assembled inserts for balancing and control of individual zones, and can be joined with kit of horizontal or vertical manifolds, fitted upline of mixing to supply high temperature heating elements.
Power (*): approx. 14 kW.

*Boiler temperature 60 °C; delivery temperature with radiant system 40 °C with temperature variation of 7 °C; 8-way distribution manifolds

MIXING UNIT

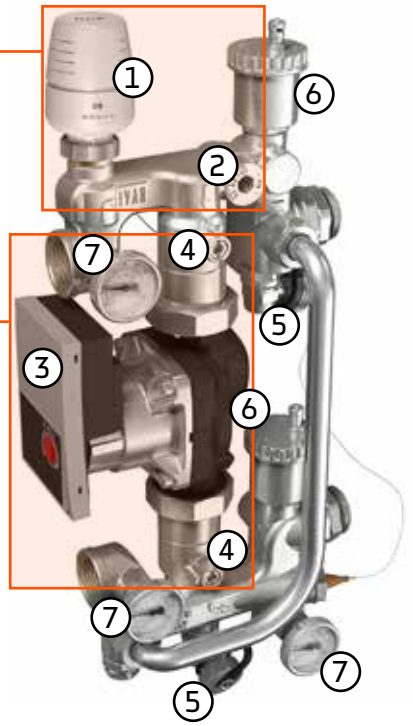
1. 2-way control valve with motor drive or controlled by thermostat head
2. Mixing balancing valve

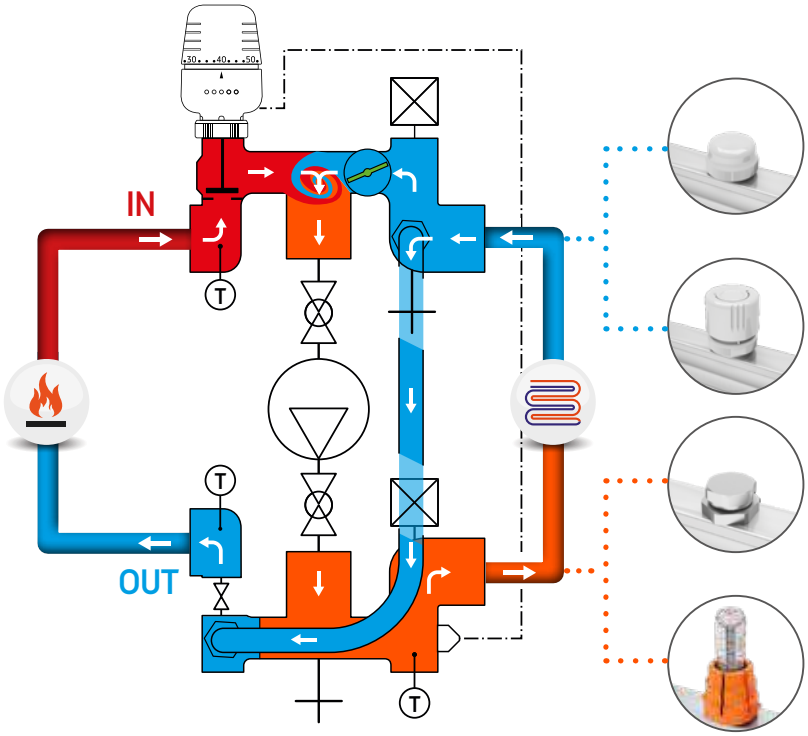
BOOSTER UNIT

3. High-efficiency variable rpm pump; centre-to-centre distance 130 mm or 180 mm
4. Shutoff ball valve

ACCESSORIES

5. Filler/drain valves
6. Automatic air purge valves
7. Thermometers





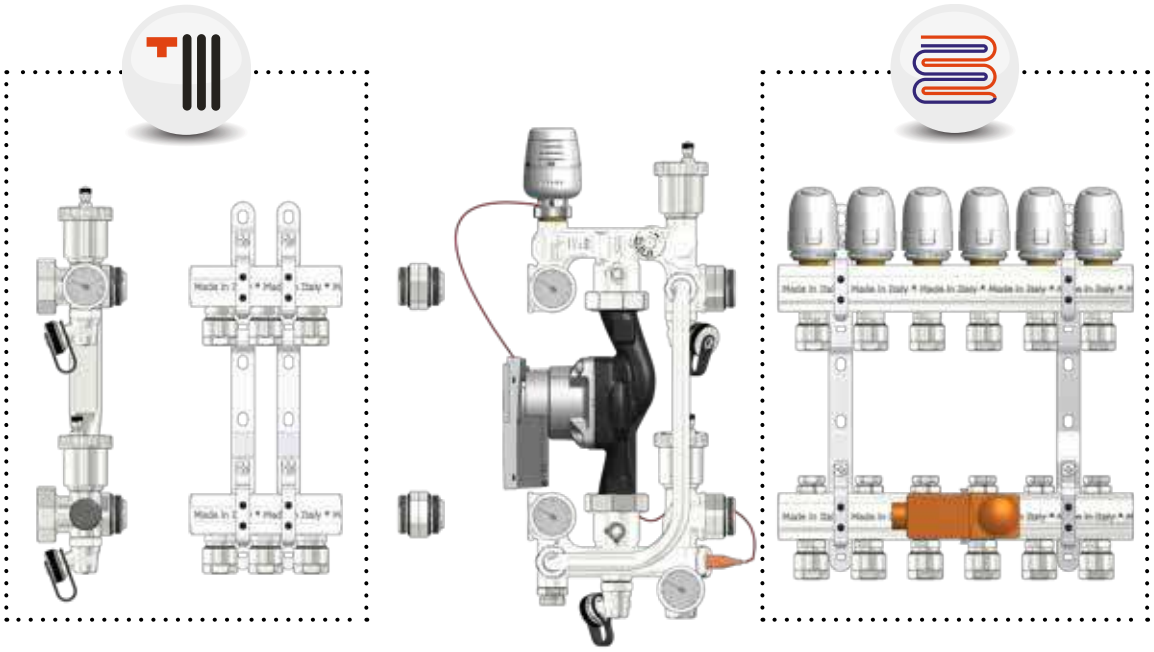
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PLUS

- Complete compact system for radiant system control
- Fixed point or climate control
- Two-way mixing control valve
- Pump centre-to-centre distance 130 mm or 180 mm with shutoff valves

FOCUS: high temperature kit

The COMBIMIX system offers the option to supply high temperature components directly using the boiler fluid with standard manifolds connected to the primary connectors using two AC 606 nipples.



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COMBI TNB



- **Gruppo di regolazione COMBIMIX a punto fisso (testa termostatica T 5011 inclusa) per sistemi radianti con/senza pompa elettronica a velocità variabile da 130/180 mm.**
- *Fixed setting COMBIMIX regulator unit (T 5011 thermostatic head included) for radiant systems with/without 130/180 mm variable speed electronic pump.*
- **Groupe de réglage COMBIMIX à point fixe (tête thermostatique T 5011 incluse) pour systèmes à plancher chauffant avec/sans pompe électronique à vitesse variable de 130/180 mm.**
- *Fußbodenregulierungseinheit COMBIMIX mit festwert Regelung (Thermostat-Kopf T 5011 enthalten) mit/ohne elektronischer Pumpe mit variabler Geschwindigkeit von 130/180 mm.*
- **Grupo de regulación COMBIMIX a punto fijo (cabezal termostático T 5011 incluido) para sistemas de calefacción por suelo radiante con/sin bomba electrónica de velocidad variable de 130/180 mm.**

Code	Actuator	Pump	Size	Price	Class	Packaging
500454NB	T 5011		130 mm	497,58 €	NL	1
500410NB	T 5011		180 mm	497,58 €	NL	1
500454PE	T 5011	WILO4F	130 mm	823,67 €	NL	1
500410PE	T 5011	WILO4F-180	180 mm	848,97 €	NL	1

COMBI T



- **Gruppo di regolazione COMBIMIX a punto fisso (testa termostatica T 5011 inclusa) per sistemi radianti con/senza pompa standard a 3 velocità da 130/180 mm.**
- *Fixed setting COMBIMIX regulator unit (T 5011 thermostatic head included) for radiant systems with/without 130/180 mm standard 3-speed pump.*
- **Groupe de réglage COMBIMIX à point fixe (tête thermostatique T 5011 incluse) pour systèmes à plancher chauffant avec/sans pompe standard à 3 vitesses de 130/180 mm.**
- *Fußbodenregulierungseinheit COMBIMIX mit festwert Regelung (Thermostat-Kopf T 5011 enthalten) mit/ohne Standardpumpe mit 3 Geschwindigkeiten von 130/180 mm.*
- **Grupo de regulación COMBIMIX a punto fijo (cabezal termostático T 5011 incluido) para sistemas de calefacción por suelo radiante con/sin bomba estándar de 3 velocidades de 130/180 mm.**

Code	Actuator	Bypass	Pump	Size	Price	Class	Packaging
500454	T 5011	✓		130 mm	528,50 €	NL	1
500410	T 5011	✓		180 mm	528,50 €	NL	1
500454P	T 5011	✓	WILO3F	130 mm	708,41 €	NL	1

T 5011



- **Testa termostatica con comando incorporato e sensore remoto a immersione.**
- *Thermostatic head with incorporated command and remote immersion sensor.*
- **Tête thermostatique avec commande incorporée et senseur à distance à immersion.**
- *Thermostat-Kopf mit eingebauter Steuerung und Eintauch-Fernfühler.*
- **Cabeza termostática con mando incorporado y sensor remoto por inmersión.**

Code	Size	Range	Length	Price	Class	Packaging
501175	M30 x 1,5 - 1/2"	20-60 °C	2 m	53,29 €	AA	5 / 40

SC 01 COMBI



- **Kit scambiatore di calore per COMBIMIX.**
- *Heat exchanger kit for COMBIMIX.*
- **Kit échangeur de chaleur pour COMBIMIX.**
- *Wärmetauscher-Bausatz für COMBIMIX.*
- **Kit intercambiador de calor para COMBIMIX.**

Code	Price	Class	Packaging
502001	678,00 €	NL	1

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COMBI MNB



- **Gruppo di regolazione COMBIMIX motorizzabile per sistemi radianti con/senza pompa elettronica a velocità variabile da 130/180 mm.**
- *COMBIMIX motorized regulation unit for radiant systems with/without 130/180 mm variable speed electronic pump.*
- **Groupe de réglage COMBIMIX motorisable pour systèmes à plancher chauffant avec/sans pompe électronique à vitesse variable de 130/180 mm.**
- *Fußbodenregulierungseinheit COMBIMIX mit Regelung durch Stellantriebe mit/ohne elektronischer Pumpe mit variabler Geschwindigkeit von 130/180 mm.*
- **Grupo de regulación COMBIMIX motorizable para sistemas de calefacción por suelo radiante con/sin bomba electrónica de velocidad variable de 130/180 mm.**

Code	Pump	Size	Price	Class	Packaging
501728NB		130 mm	443,23 €	NL	1
501729NB		180 mm	443,23 €	NL	1
501728PE	WILO4F	130 mm	769,33 €	NL	1
501729PE	WILO4F-180	180 mm	794,63 €	NL	1

COMBI M



- **Gruppo di regolazione COMBIMIX motorizzabile per sistemi radianti con/senza pompa standard a 3 velocità da 130/180 mm.**
- *COMBIMIX motorized regulation unit for radiant systems with/without 130/180 mm standard 3-speed pump.*
- **Groupe de réglage COMBIMIX motorisable pour systèmes à plancher chauffant avec/sans pompe standard à 3 vitesses de 130/180 mm.**
- *Fußbodenregulierungseinheit COMBIMIX mit Regelung durch Stellantriebe mit/ohne Standardpumpe mit 3 Geschwindigkeiten von 130/180 mm.*
- **Grupo de regulación COMBIMIX motorizable para sistemas de calefacción por suelo radiante con/sin bomba estándar de 3 velocidades de 130/180 mm.**

Code	Bypass	Pump	Size	Price	Class	Packaging
501728	✓		130 mm	474,16 €	NL	1
501729	✓		180 mm	474,16 €	NL	1
501728P	✓	WILO3F	130 mm	654,07 €	NL	1
501729P	✓	WILO3F-180	180 mm	683,58 €	NL	1

RV 01



- **Servomotore assiale. Compatibile con tutti i vitoni termostatici IVAR.**
- *Axial motor. Suitable for all IVAR thermostatic inserts.*
- **Servomoteur axial. Adapté pour tous les inserts thermostatiques IVAR.**
- *Axial-Stellantrieb. Geeignet für alle Thermostat-Reguliervorrichtungen IVAR.*
- **Servomotor axial. Adecuado para todos los tornillos termostáticos IVAR.**

Code	Size	Price	Class	Packaging
501381	M30 x 1,5 - 3-point regulation (230 V AC)	141,88 €	PC	1 / 100
501383	M30 x 1,5 - Proportional 0-10 V (24 V AC/DC)	164,60 €	PC	1 / 100

TE 3061



- **Testa elettrotermica normalmente chiusa (comando proporzionale 0-10 V). Compatibile con tutti i vitoni termostatizzabili IVAR.**
- *Electrothermal head normally closed (proportional control 0-10 V). Suitable for all IVAR thermostatic inserts.*
- **Tête électrothermique normalement fermée (commande proportionnel 0-10 V). Adaptée pour tous les inserts thermostatisables IVAR.**
- *Elektrothermischer Stellantriebe normalerweise geschlossen (proporzional Steuerung 0-10 V). Geeignet für alle Thermostat-Regulier-vorrichtungen IVAR.*
- **Cabeza electrotérmica normalmente cerrada (control proporcional 0-10 V). Adecuada para todos los tornillos termostatizables IVAR.**

Code	Size	Price	Class	Packaging
500887	M30 x 1,5 ; Proportional 0-10 V (24 V AC)	126,64 €	AC	100

ACM 01



- **Copertura isolante per COMBIMIX.**
- *Insulating cover for COMBIMIX.*
- **Couverture isolante pour COMBIMIX.**
- *Isolierung Box für COMBIMIX.*
- **Cobertura aislante para COMBIMIX.**

Code	Price	Class	Packaging
506255	60,90 €	NL	4

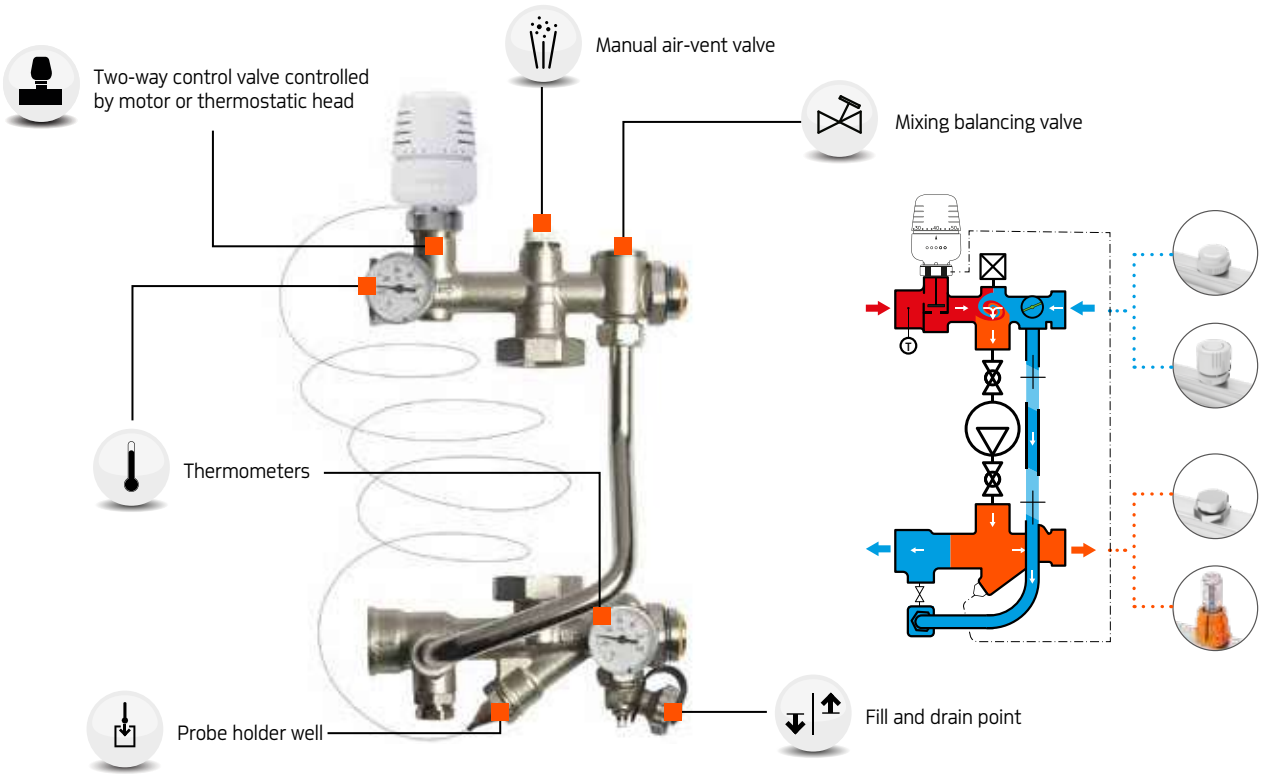
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TECHNOMIX

TECHNOMIX is a mixing pump unit for radiant systems. Flow temperature is controlled with a two-way valve, adjusting the quantity of heating/cooling fluid to mixing ("injection" system). The unit is available in version with fixed-point adjustment by thermostatic head, or version suitable to weather-compensated adjustment by servomotor and controller with outdoor sensor. In the latter version, TECHNOMIX can be used also in cooling applications.
Equipped with balancing, shut-off, air-vent and fill/drain valves, TECHNOMIX combines all the necessary functions in a small, easily accessible space. The unit is reversible with inlet from the right or the left, can be completed with IVAR manifolds featuring balancing and control valves on each radiant distribution circuit, and with horizontal- or vertical-structure manifold kits to supply high-temperature heating bodies upstream of the mixing zone.

PLUS

- **Temperature control carried out by a two-way valve («injection» system) to obtain maximum compactness.**
- **Available with fixed point or weather compensated regulation.**
- **Reversible system: connection to primary from right or left.**



TECHNO TNB



- **Gruppo di regolazione TECHNOMIX a punto fisso per sistemi radianti.**
- *Fixed setting TECHNOMIX regulator unit for radiant systems.*
- **Groupe de réglage TECHNOMIX à point fixe pour systèmes à plancher chauffant.**
- *Fußbodenregulierungseinheit TECHNOMIX mit festwert Regelung.*
- **Grupo de regulación TECHNOMIX a punto fijo para sistemas de calefacción por suelo radiante.**

Code	Actuator	Size	Price	Class	Packaging
508100	T 5011	130 mm	422,36 €	NL	1

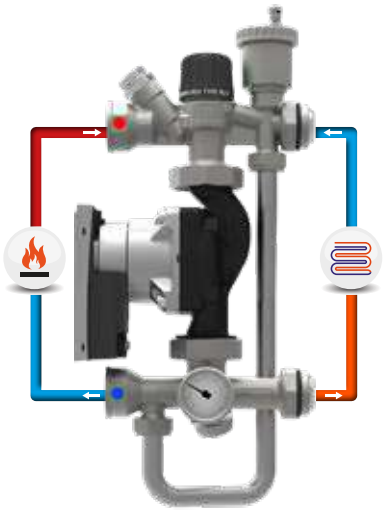
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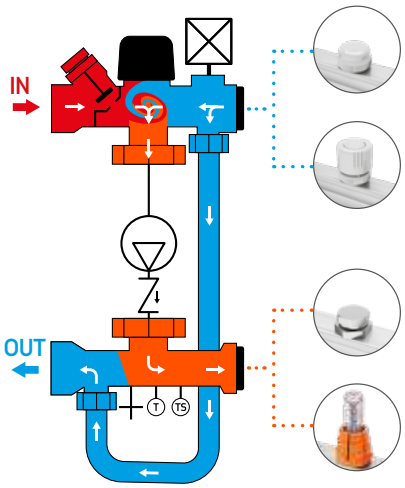
MULTIFLOOR

MULTIFLOOR is a mixing and boosting unit for radiant underfloor systems. An adjustable thermostatic mixer keeps the delivery temperature stable at the required value, which can be set by means of a simple knob. Complete with supply temperature gauge, safety thermostat, shutoff valve on inlet, air purge/filler valves, MULTIFLOOR offers a ready-to-use solution with compact dimensions and easily accessible, completely reversible for left/right installations. The unit can be integrated with IVAR manifold kits with pre-assembled inserts for balancing and control of individual radiant circuits, and can be completed with horizontal or vertical manifold kits to supply high temperature heating units upline of mixing.

PLUS

- **Integrated thermostatic insert for optimal fixed station control (28-53 °C)**
- **Designed to control medium size residential systems**
- **Balancing valve and control integrated on primary circuit**





MF 01



- **Gruppo di miscelazione e rilancio con/senza pompa da 130 mm per sistemi radianti MULTIFLOOR.**
- *Mixing and pump kit with/without 130 mm pump for radiant systems MULTIFLOOR.*
- **Groupe de mélange et relance avec/sans pompe de 130 mm pour systèmes radiants MULTIFLOOR.**
- *Misch- und Versorgungsgruppe mit/ohne Pumpe von 130 mm.für Flachheizung-Systeme MULTIFLOOR.*
- **Grupo de mezcla y relanzamiento con/sin bomba de 130 mm para los sistemas radiantes MULTIFLOOR.**

Code	Pump	Range	Erp	Price	Class	Packaging
500414		28-53 °C	-	392,47 €	NL	1
500414P	WILO3F	28-53 °C	-	572,38 €	NL	1
500414PE	WILO4F	28-53 °C	✓	718,56 €	NL	1

AMF 01



- **Copertura isolante per MULTIFLOOR.**
- *Insulating cover for MULTIFLOOR.*
- **Couverture isolante pour MULTIFLOOR.**
- *Isolierung Box für MULTIFLOOR.*
- **Cobertura aislante para MULTIFLOOR.**

Code	Price	Class	Packaging
506271	70,27 €	NL	5

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UNIMIX

UNIMIX is a regulation unit designed to deliver water from a high temperature generator to the most suitable temperature for distribution in radiant circuits. All essential functions are achieved by just two components: mixing, boosting, drain/filling, air purge, shutoff, temperature monitoring and safety shutdown. Mixing is performed in a 3-way valve controllable from a fixed point or using climate compensation.
Management of the radiant system is completed with distribution manifolds and relative accessories. It is also possible to divert a direct branch upline of the mixer thanks to a special set of manifolds, which can be selected either as simple versions or with shutoff valves.
All UNIMIX components are available with pre-formed insulation casing, which makes the system suitable for applications in heating or cooling.
Power (*): approx. 15 kW.

*Boiler temperature 60 °C; flow temperature with radiant system 40 °C with temperature variation of 7 °C; 8-way distribution manifolds

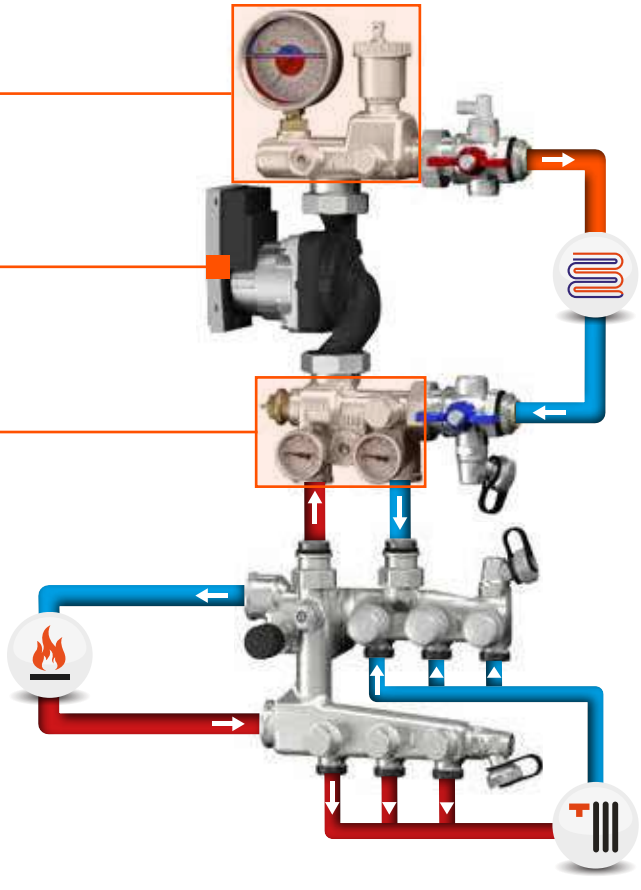
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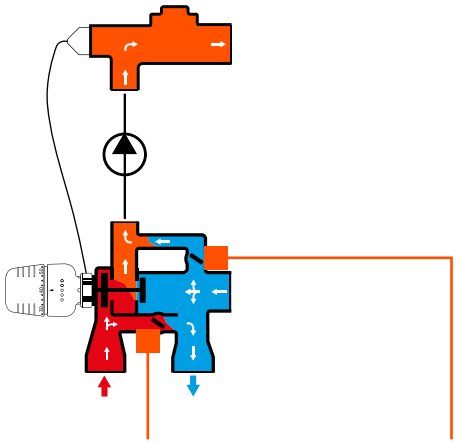
- **Compact system for radiant heating and cooling**
- **Fixed point or climate control**
- **Three-way mixing control valve**
- **Manifold kit with dedicated straight branches**

SUPPLY BLOCK WITH ACCESSORIES

BOOSTER PUMP

3-WAY MIXING VALVE





Primary bypass:
- recirculation on generator
- balancing

Secondary bypass:
- improved mixing control
- increased flow rate to circuit

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UM 01



- **Gruppo di regolazione UNIMIX con/senza pompa.**
- *UNIMIX regulation unit with/without pump.*
- **Groupe de réglage UNIMIX avec/sans pompe.**
- *Fußbodenregulierungseinheit UNIMIX mit/ohne Pumpe.*
- **Grupo de regulación UNIMIX con/sin bomba.**



Code	Pump	Erp	Price	Class	Packaging
500438		-	442,45 €	NL	1
500438P130	WILO3F	-	622,36 €	NL	1
500438PE130	WILO4F	✓	768,54 €	NL	1

UM 01 D/S



- **Gruppo di regolazione UNIMIX con/senza pompa, con valvole a sfera diritte (D) o a squadra (S).**
- *UNIMIX regulation unit with/without pump, with straight (D) or angle (S) ball valves.*
- **Groupe de réglage UNIMIX avec/sans pompe, avec vannes à bille droites (D) ou équerre (S).**
- *Fußbodenregulierungseinheit UNIMIX mit/ohne Pumpe, mit Kugelventilen Durchangsform (D) oder Eckform (S).*
- **Grupo de regulación UNIMIX con/sin bomba, con válvulas de bola rectas (D) o de escuadra (S).**



Code	Included Accessories	Pump	Erp	Price	Class	Packaging
500438D	Straight ball valves		-	487,01 €	NL	1
500438DP130	Straight ball valves	WILO3F	-	666,91 €	NL	1
500438DPE130	Straight ball valves	WILO4F	✓	813,08 €	NL	1
500438S	Angle ball valves		-	562,24 €	NL	1
500438SP130	Angle ball valves	WILO3F	-	742,16 €	NL	1
500438SPE130	Angle ball valves	WILO4F	✓	888,34 €	NL	1



- T 5011 U >>p. 252,321,395



- RV 01 >>p. 239,243,252,321,359,395

MA 20



- **Termomanometro con attacco posteriore.**
- *Temperature-pressure gauge with rear coupling.*
- **Thermomanomètre avec embout postérieure.**
- *Thermomanometer mit rückwärtigem Anschluss.*
- **Termomanómetro con conexión posterior.**

Code	Size	Range	Price	Class	Packaging
509141	1/2" M	0-120 °C - 0-6 bar	36,11 €	NL	40

MA 20 R



- **Termomanometro con attacco radiale.**
- *Temperature-pressure gauge with radial coupling.*
- **Thermomanomètre avec embout radiale.**
- *Thermomanometer mit radial Anschluss.*
- **Termomanómetro con conexión radial.**

Code	Size	Range	Price	Class	Packaging
509141R	1/2" M	0-120 °C - 0-6 bar	36,11 €	NL	30

AUM 03



- **Copertura isolante per UNIMIX.**
- *Insulating cover for UNIMIX.*
- **Couverture isolante pour UNIMIX.**
- *Isolierabdeckung für UNIMIX.*
- **Cobertura aislante para UNIMIX.**

Code	Price	Class	Packaging
506256	60,90 €	NL	3

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For special configurations of UNIMIX with pre-assembled manifold kit in the cabinet, please contact

LINEA ARANCIO
TECHNICAL SUPPORT
linea.arancio@ivar.it

Type	HEATING	
Actuator / controller	 Fixed point adjustment	 Weather-compensated adjustment
System	**KM01T**	**KM02M**



Variable speed electronic circulator WILO4F (In accordance with European Directive 2009/125/CE ErP Energy related Products).



3-speed standard circulator WILO3F.

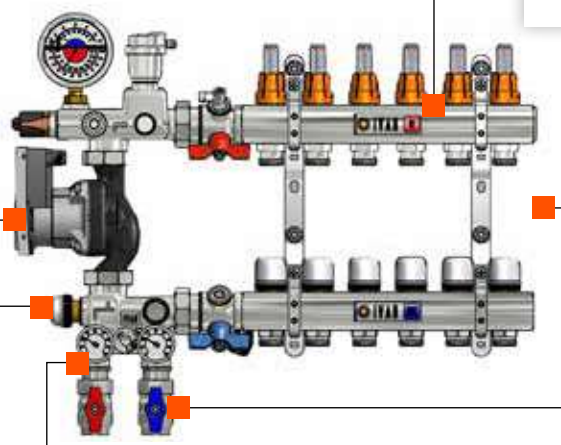


Manifolds 1"



Manifolds 1"1/4.

(Depth 110 mm)





Systems can be ordered with/without cabinet.



High temperature kit with plain manifolds.

(OPTIONAL).



High temperature kit with manifolds with isolation valves.

(OPTIONAL).



Angle ball valves (connections on the left for only low T. systems; connections at the bottom for systems with high T. kit)



Straight ball valves (connections at the bottom for only low T. systems; connections on the left for systems with high T. kit)

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For special configurations of UNIMIX with pre-assembled manifold kit in the cabinet, please contact

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TECHNICAL SUPPORT
linea.arancio@ivar.it

Type	HEATING / COOLING	
Actuator / controller	 Weather-compensated adjustment (electronic devices already wired)	Weather-compensated adjustment (electronic devices not included)
System	**KM03M**	**KM04M**



Variable speed electronic circulator WILO4F (In accordance with European Directive 2009/125/CE ErP Energy related Products).

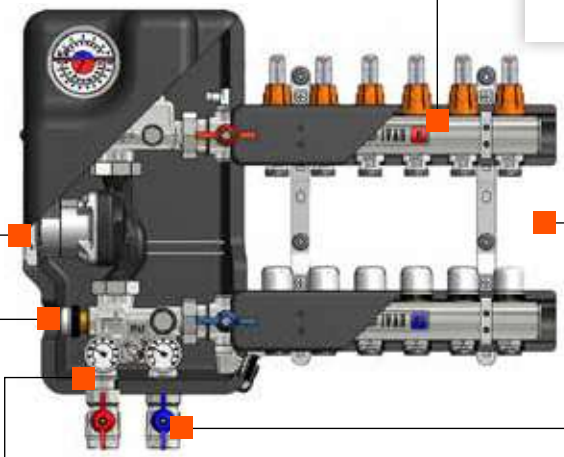


Manifolds 1"



Manifolds 1"1/4.

(Depth 110 mm)





Systems can be ordered with/without cabinet, except KM03M system which comes with wired control devices



High temperature kit with plain manifolds and AQUASTOP.

(OPTIONAL).



High temperature kit with manifolds with isolation valves.

(OPTIONAL).



AQUASTOP
Cold water non-circulation device



Angle ball valves (connections on the left for only low T. systems; connections at the bottom for systems with high T. kit)



Straight ball valves (connections at the bottom for only low T. systems; connections on the left for systems with high T. kit)

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UNIMIX•C

UNIMIX•C is a mixing system that, thanks to attentive simplification, has been developed to become a compact version of UNIMIX without losing its functional and performance features.
All UNIMIX C components are available with pre-formed insulation casing, which makes the system suitable for heating or cooling applications.
Power (*): approx. 15 kW.

*Boiler temperature 60 °C; delivery temperature with radiant system 40 °C with temperature variation of 7 °C; 8-way distribution manifolds

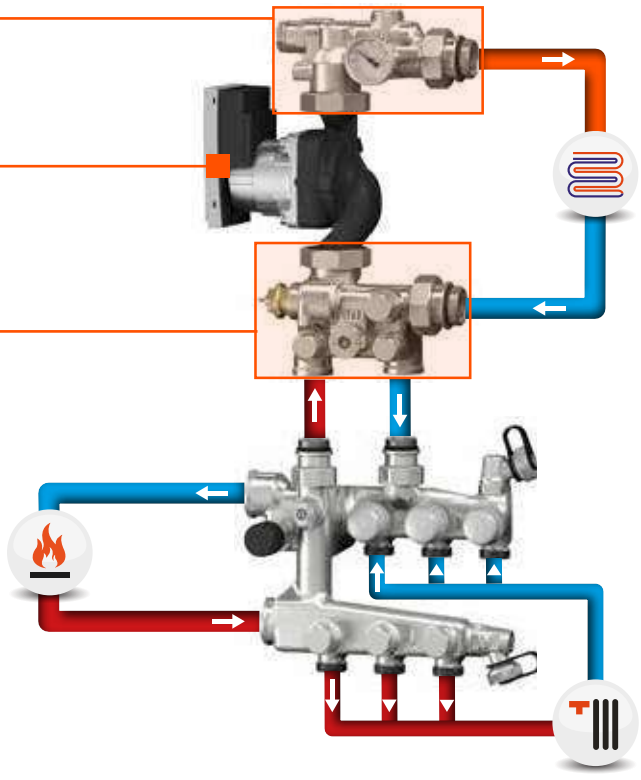
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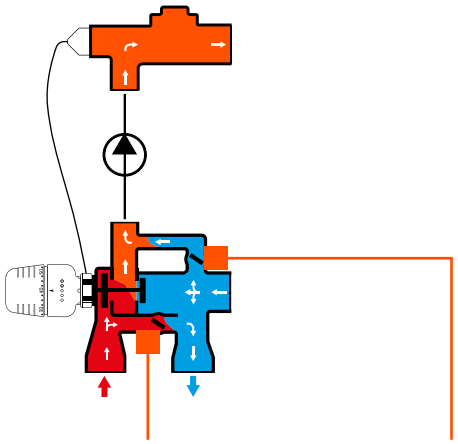
- **Compact system for radiant heating and cooling**
- **Fixed point or climate control**
- **3-way mixing control valve**
- **Manifold kit with dedicated straight branches**

SUPPLY BLOCK WITH ACCESSORIES

BOOSTER PUMP

3-WAY MIXING VALVE





Primary bypass:
- circulation on generator
- balancing

Secondary bypass:
- improved mixing control
- increased flow rate to circuit

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UMC 01



- **Gruppo di regolazione UNIMIX-C con/senza pompa.**
- *UNIMIX-C regulation unit with/without pump.*
- **Groupe de réglage UNIMIX-C avec/sans pompe.**
- *Fußbodenregulierungseinheit UNIMIX-C mit/ohne Pumpe.*
- **Grupo de regulación UNIMIX-C con/sin bomba.**



Code	Pump	Erp	Price	Class	Packaging
500897WP		-	302,18 €	NL	1
500897	WILO3F	-	482,10 €	NL	1
500897E	WILO4F	✓	628,28 €	NL	1

UMC 01 D/S



- **Gruppo di regolazione UNIMIX-C con/senza pompa, con valvole a sfera diritte (D) o a squadra (S).**
- *UNIMIX-C regulation unit with/without pump, with straight (D) or angle (S) ball valves.*
- **Groupe de réglage UNIMIX-C avec/sans pompe, avec vannes à bille droites (D) ou équerre (S).**
- *Fußbodenregulierungseinheit UNIMIX-C mit/ohne Pumpe, mit Kugelventilen Durchangsform (D) oder Eckform (S).*
- **Grupo de regulación UNIMIX-C con/sin bomba, con válvulas de bola rectas (D) o de escuadra (S).**



Code	Included Accessories	Pump	Erp	Price	Class	Packaging
500897DWP	Straight ball valves		-	346,75 €	NL	1
500897D	Straight ball valves	WILO3F	-	526,66 €	NL	1
500897DE	Straight ball valves	WILO4F	✓	672,82 €	NL	1
500897SWP	Angle ball valves		-	421,99 €	NL	1
500897S	Angle ball valves	WILO3F	-	601,89 €	NL	1
500897SE	Angle ball valves	WILO4F	✓	748,07 €	NL	1



- T 5011 U >>p. 252,321,395



- RV 01 >>p. 239,243,252,321,359,395

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ACCESSORIES FOR UNIMIX - UNIMIX•C

T 5011 U



- **Testa termostatica con comando incorporato e sensore remoto ad immersione.**
- *Thermostatic head with incorporated control and immersion remote sensor.*
- **Tête thermostatique avec commande incorporée et capteur à distance à immersion.**
- *Thermostat-Kopf mit eingebauter Steuerung und Eintauch-Fernfühler.*
- **Cabeza termostático con mando incorporado y sensor remoto de inmersión.**

Code	Size	Range	Length	Price	Class	Packaging
501175U	M30 x 1,5 - 1/2"	30-55 °C	1 m	54,57 €	AA	5 / 40

RV 01



- **Servomotore assiale. Compatibile con tutti i vitoni termostatici IVAR.**
- *Axial motor. Suitable for all IVAR thermostatic inserts.*
- **Servomoteur axial. Adapté pour tous les inserts thermostatiques IVAR.**
- *Axial-Stellantrieb. Geeignet für alle Thermostat-Reguliervorrichtungen IVAR.*
- **Servomotor axial. Adecuado para todos los tornillos termostáticos IVAR.**

Code	Size	Price	Class	Packaging
501381	M30 x 1,5 - 3-point regulation (230 V AC)	141,88 €	PC	1 / 100
501383	M30 x 1,5 - Proportional 0-10 V (24 V AC/DC)	164,60 €	PC	1 / 100



- **CLIMA•HUB - Regolatore elettronico per impianti di riscaldamento e raffrescamento >>p. 349**
- *CLIMA•HUB - Electronic controller for heating and cooling systems >>p. 349*
- **CLIMA•HUB - Régulateur électronique pour systèmes de chauffage et de refroidissement >>p. 349**
- *CLIMA•HUB - Elektronischer Regler für Heiz- und Kühlsysteme >>p. 349*
- **CLIMA•HUB - Regulador electrónico para sistemas de calefacción y refrigeración >>p. 349**

CBL 01



- **Scatola di cablaggio con scheda elettrica.**
- *Wiring box with electric board.*
- **Boîtier de câblage avec carte électrique.**
- *Anschlusskasten mit Platine.*
- **Caja de cableado con tarjeta eléctrica.**

Code	Size	Price	Class	Packaging
501828I	230 V AC	93,45 €	VA	4 / 32

AC 613 FU



- **Termostato di sicurezza a taratura fissa pre-cablato.**
- *Fixed setting safety thermostat pre-wired.*
- **Thermostat de sécurité à graduation fixe pré câblé.**
- *Vorverklemmt Sicherheitsthermostat mit festverter Einstellung.*
- **Termostato de seguridad con ajuste fijo precableado.**

Code	Max operating temp.	Price	Class	Packaging
580014U	60 °C	77,45 €	VA	1 / 8

AC 613 CU



- **Termostato di sicurezza a contatto precablato.**
- *Safety thermostat with pre-wired contact.*
- **Thermostat de sécurité à contact, pré-câblé.**
- *Vorverklemmt Anlege-Sicherheitsthermostat.*
- **Termostato de seguridad de contacto precableado.**

Code	Price	Class	Packaging
580000U	71,12 €	VA	1 / 8

AC 613 SU



- **Termostato di sicurezza con sonda ad immersione precablato.**
- *Pre-wired security thermostat with immersion probe.*
- **Thermostat de sécurité avec sonde à immersion, pré-câblé.**
- *Vorverklemmt Sicherheitsthermostat mit Tauchhülse.*
- **Termostato de seguridad con sonda de inmersión precableado.**

Code	Price	Class	Packaging
580001U	93,30 €	VA	1 / 8

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AUM 01



- **Kit alta temperatura per UNIMIX / UNIMIX-C con collettori semplici.**
- *High temperature kit for UNIMIX / UNIMIX-C with plain manifolds.*
- **Kit haute température pour UNIMIX / UNIMIX-C avec collecteurs simples.**
- *Hochtemperatur-Bausatz für UNIMIX / UNIMIX-C mit Heizkreise Verteiler.*
- **Kit alta temperatura para UNIMIX / UNIMIX-C con colectores simples.**

Code	Ways	Size	Price	Class	Packaging
500456	3	EUROK	189,63 €	NL	1

AUM 11 D/S



- **Kit alta temperatura per UNIMIX / UNIMIX-C con collettori semplici e valvole a sfera diritte (D) o a squadra (S).**
- *High temperature kit for UNIMIX / UNIMIX-C with plain manifolds and straight (D) or angle (S) ball valves.*
- **Kit haute température UNIMIX / UNIMIX-C avec collecteurs simples et vannes à bille droites (D) ou équerre (S).**
- *Hochtemperatur-Bausatz für UNIMIX / UNIMIX-C mit Heizkreise Verteiler und Kugelventilen Durchangsform (D) oder Eckform (S).*
- **Kit alta temperatura para UNIMIX / UNIMIX-C con colectores simples y válvulas de bola rectas (D) o de escuadra (S).**

Code	Included Accessories	Ways	Size	Price	Class	Packaging
500456D	Straight ball valves	3	EUROK	291,71 €	NL	1
500456S	Angle ball valves	3	EUROK	303,39 €	NL	1

AUM 02



- **Kit alta temperatura per UNIMIX / UNIMIX-C con collettori intercettabili.**
- *High temperature kit for UNIMIX / UNIMIX-C with manifolds with isolation valves.*
- **Kit haute température pour UNIMIX / UNIMIX-C avec collecteurs avec des vannes d´interception.**
- *Hochtemperatur-Bausatz für UNIMIX / UNIMIX-C mit Verteiler mit Absperbarenventilen.*
- **Kit alta temperatura para UNIMIX / UNIMIX-C con colectores con válvulas de cierre.**

Code	Ways	Size	Price	Class	Packaging
500586	3	EUROK	359,54 €	NL	1

AUM 12 D/S



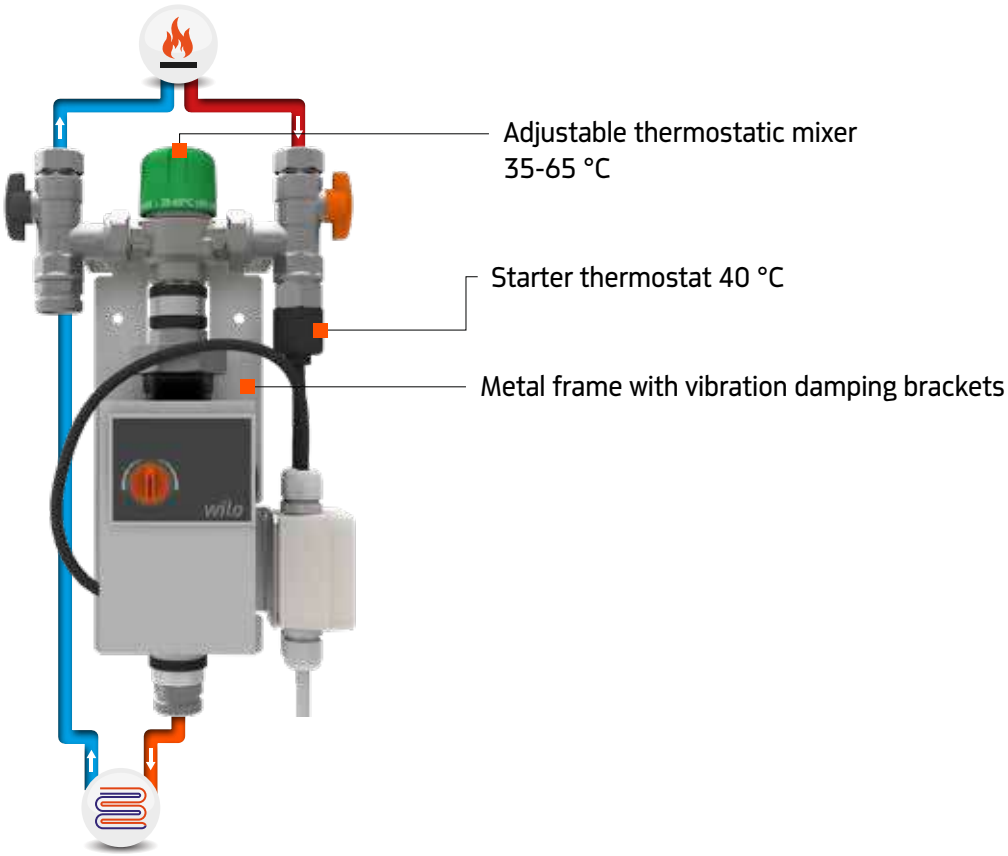
- **Kit alta temperatura per UNIMIX / UNIMIX-C con collettori intercettabili con valvole a sfera diritte (D) o a squadra (S).**
- *High temperature kit for UNIMIX / UNIMIX-C with manifolds with isolation valves and straight (D) or angle (S) ball valves.*
- **Kit haute température pour UNIMIX / UNIMIX-C avec collecteurs avec des vannes d´interception et vannes à bille droites (D) ou équerre (S).**
- *Hochtemperatur-Bausatz für UNIMIX / UNIMIX-C mit Verteiler mit Absperbarenventilen und Kugelventilen Durchangsform (D) oder Eckform (S).*
- **Kit alta temperatura para UNIMIX / UNIMIX-C con colectores con válvulas de cierre y válvulas de bola rectas (D) o a de escuadra (S).**

Code	Included Accessories	Ways	Size	Price	Class	Packaging
500586D	Straight ball valves	3	EUROK	461,65 €	NL	1
500586S	Angle ball valves	3	EUROK	473,33 €	NL	1

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UNIFLOOR

The UNIFLOOR unit is a compact system for mixing and distribution to small radiant underfloor systems. The thermostatic mixer keeps the supply temperature at the set value rapidly and precisely. The high-efficiency electronic pump sends the mixed fluid to the components, supplying the necessary head. A normally open thermostat guarantees pump operation only when the boiler fluid is at a sufficiently high temperature, and prevents cold fluid from being delivered to the radiant system. Two shutoff valves on the inlets facilitate initial connection and maintenance operations. UNIFLOOR is supplied installed on a metal frame with vibration damping brackets, pre-wired to the junction box, and is used to serve a single radiant circuit.



UF 01



- **Unità di miscelazione e distribuzione con/senza pompa elettronica a velocità variabile da 130 mm per singolo circuito radiante UNIFLOOR.**
- *Mixing and distribution unit with/without 130 mm variable speed electronic pump for single radiant circuit UNIFLOOR.*
- **Unité de mélange et distribution avec/sans pompe électronique à vitesse variable de 130 mm pour single circuit radiant UNIFLOOR.**
- *Misch- und Verteilungs-Modul UNIFLOOR mit/ohne elektronischer Pumpe mit variabler Geschwindigkeit von 130 mm für einzel Flach-heizung-Schaltung.*
- **Unidad de mezcla y distribución UNIFLOOR con/sin bomba electrónica de velocidad variable de 130 mm para circuito radiante único.**

Code	Pump	Range	Price	Class	Packaging
506717WP		35-65 °C	396,03 €	NL	1
506717W	WILO4F	35-65 °C	722,10 €	NL	1

ErP

AC 4615 N



- **Raccordo portatermometro per derivazioni.**
- *Thermometer fitting for junctions.*
- **Raccord porte-thermomètre pour dérivations.**
- *Anschlussstück mit Thermometer.*
- **Racor con termómetro para derivaciones.**

Code	Size	Color	Price	Class	Packaging
500804	EUROK		18,20 €	NJ	10 / 80

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PUMPS

WILO4F



ErP

- **Circolatore elettronico a velocità variabile.**
- *Variable speed electronic circulator.*
- **Circulateur chauffage électronique à vitesse variable.**
- *Elektronische Umwälzpumpe mit variabler Geschwindigkeit*
- **Circulador electrónico de velocidad variable.**

Code	Size	Head loss	Price	Class	Packaging
WILO4F-110	1" - 110 mm	6 m	341,98 €	HK	1 / 4
WILO4F	1"1/2 - 130 mm	6 m	312,00 €	HK	3
WILO4F-180	1"1/2 - 180 mm	6 m	336,07 €	HK	3

WILO3F



ErP

- **Circolatore standard a 3 velocità.**
- *3-speed standard circulator.*
- **Circulateur standard à 3 vitesses.**
- *Umwälzpumpe mit 3 Geschwindigkeitsstufen.*
- **Circulador estándar de 3 velocidades.**

Code	Size	Head loss	Price	Class	Packaging
WILO3F	1"1/2 - 130 mm	6 m	216,14 €	HK	5
WILO3F-180	1"1/2 - 180 mm	6 m	230,63 €	HK	2

AC 633



- **Distanziatore filettato per pompe.**
- *Threaded spacer for pumps.*
- **Ecarteur fileté pour pompes.**
- *Zwischenstück mit Gewinde für Pumpen.*
- **Distanciador roscado para bombas.**

Code	Size	Price	Class	Packaging
500933	1"1/2 - 130 mm	29,19 €	HK	25
500934	1"1/2 - 180 mm	30,92 €	HK	20

AC 626



- **Bocchettone a tenuta morbida per collegamento circolatore.**
- *Soft seal pipe union for pump connection.*
- **Tubulure de raccordement à joint souple étanche pour raccordement à la pompe.**
- *Pumpen Anschlußverschraubung.*
- **Manguito de unión con junta blanda para la conexión de la bomba.**

Code	Size	Price	Class	Packaging
520022	1"1/2 F x 1" M	13,45 €	NJ	8 / 64

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IC•BOX

IC-BOX is a practical and economical system for adding a radiant heating circuit to a high-temperature system.

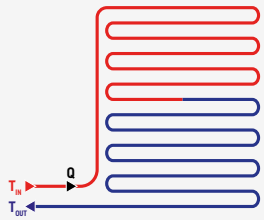
A typical use case is in a bathroom remodel. Many people are particularly fond of the feeling provided by underfloor heating, particularly in a location where they are generally barefoot. Normally, incorporating a radiant underfloor heating circuit in a high-temperature system would require a mixing system (to lower the temperature of the water circulating under the floor) and a circulation pump. In addition to these expenses, there is also the running cost of the electricity for the circulation pump. With IC-BOX, on the other hand, neither mixing nor pumping is required. The temperature of the water circulating in the radiant circuit is managed by an RTL device, while the ambient temperature control can be performed by a thermostatic head or an electrothermic head.

What does RTL mean? It stands for "Return Temperature Limiter", and it is a device containing a thermostatic element and a regulation knob. Adjusting the knob limits the return temperature to a certain value (note that the device is installed at the end of the coil, before the water returns to the existing high-temperature distribution). As the water gradually approaches the set-point set with the knob, the thermostatic element in the RTL device expands, with two results:

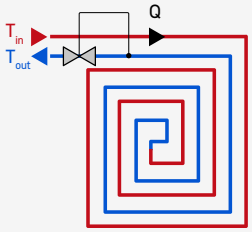
1. Limiting the flow rate in the coil
2. Encouraging heat exchange between the coil and the screed around the underfloor heating system, increasing the temperature difference between the flow and return in the coil.

When comparing the operating conditions of a "traditional" radiant system (on the left) and a radiant circuit with RTL (on the right), we must remember that the power transferred into the environment is proportional to the flow rate in the circuit Q and the temperature difference between T_{in} and T_{out}, i.e.:

$$P \propto Q \times (T_{in} - T_{out})$$



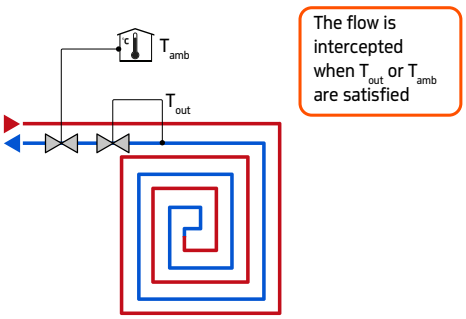
In a "traditional" radiant heating circuit the T_{in} is low (low-temperature systems) and the temperature difference is also low, generally no more than 10 °C. The key determiner of the power transferred to the environment is the high circulating flow rate.



In a radiant circuit with RTL, the T_{in} is high (the circuit is indeed fed by a high-temperature system), but the T_{out} is limited by the device, which provides a high temperature difference and a low flow rate. The key determiner of the power transferred to the environment is the high temperature difference.

In practice, the power transferred to the environment can be the same in the two operating conditions: in the "traditional" case typically with a high flow rate and low ΔT, and with the RTL system at low flow rate and high ΔT. Given that a high temperature difference is achieved with an RTL device, the radiant circuits on which it is installed must be in a spiral layout in order to guarantee an even temperature across the floor.

Now the operation of the RTL device has been clarified, the temperature regulation portion remains: when the desired ambient temperature T_{amb} has been achieved in the room, how can the supply of heat be interrupted? A device such as a thermostatic head or a thermoelectric head controlled by a thermostat can be used, to be installed in series with the RTL circuit:



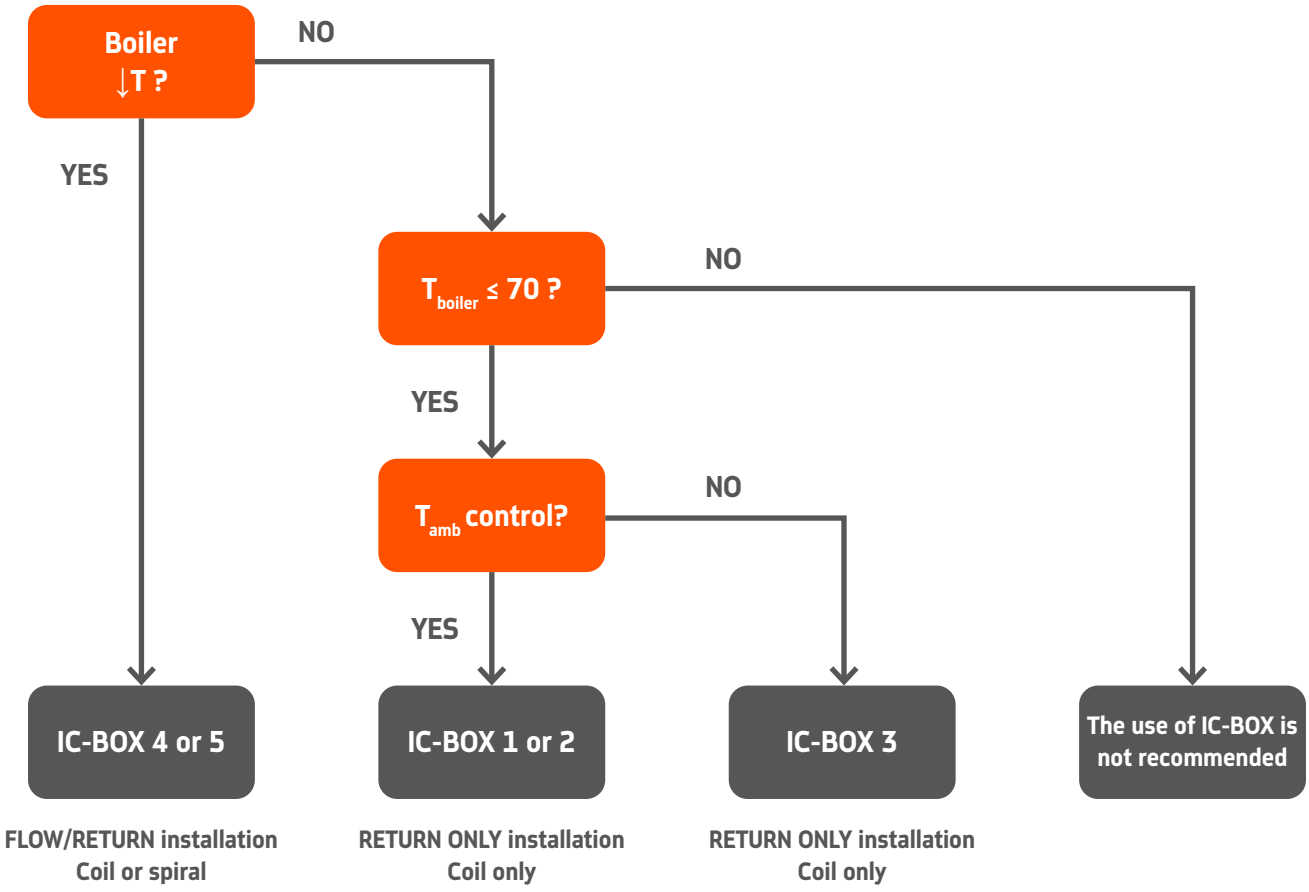
In general, IC-BOX can also be used for wall or ceiling radiant systems: the operating principle remains the same. In order to offer maximum installation flexibility, IC-BOX is offered in five different configurations, depending on whether or not the RTL and ambient temperature control (TA) devices is required. Clearly, the versions without RTL are to be used only in systems where the boiler supply temperature has already been adapted to the radiant circuit.

When choosing and installing IC-BOX, take care to observe applicable standards (such as European standard EN 1264), any local design and installation requisites, and the specifications from manufacturers of the installed floor coverings. All IC-BOX versions incorporate a manual air bleed valve.

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IC-BOX VERSION	WITH RTL	WITH TA
1	YES	YES (thermostatic valve for head with remote sensor or electrothermic head connected to ambient thermostat)
2	YES	YES (thermostatic valve for head with incorporated sensor and control)
3	YES	NO
4	NO (dual micro-adjustable lockshield only)	YES (thermostatic valve for head with incorporated sensor and control)
5	NO (dual micro-adjustable lockshield only)	YES (thermostatic valve for head with remote sensor or electrothermic head connected to ambient thermostat)

IC-BOX MODEL CHOICE



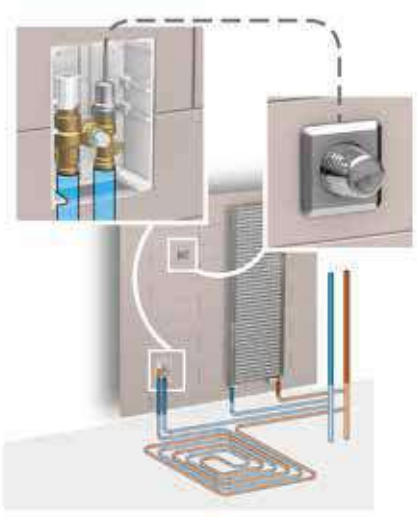
KEY:

↓T = Low temperature
T_{boiler} = Boiler flow temperature
T_{amb} = Ambient temperature

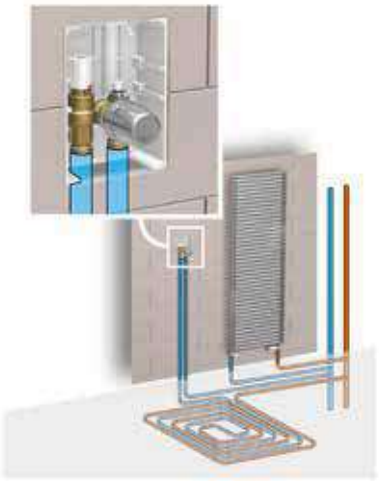
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Installation layouts

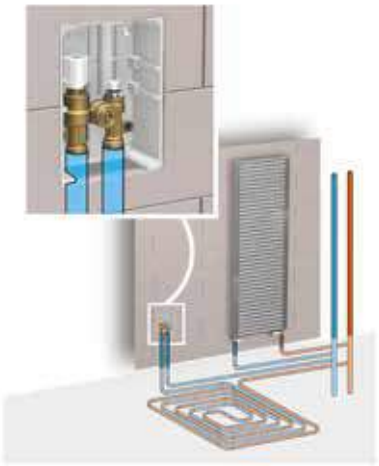
IC•BOX 1



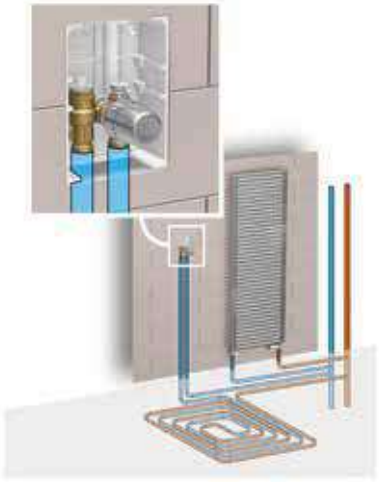
IC•BOX 2



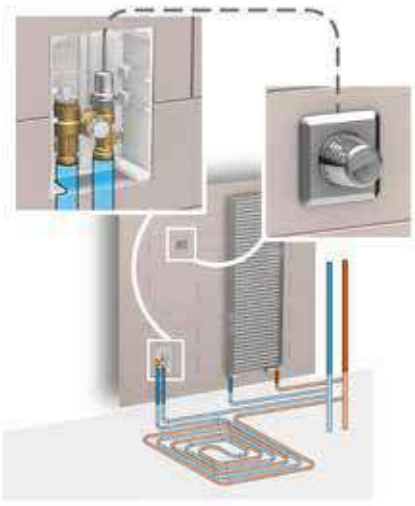
IC•BOX 3



IC•BOX 4



IC•BOX 5



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IC-BOX 1



- **Dispositivo di controllo della temperatura di ritorno regolabile 15-45 °C. Completo di:**
  - valvola termostatizzabile per testa con sensore remoto o testina elettrotermica collegata a termostato ambiente;
  - valvola manuale di sfiato aria;
  - vassetta ad incasso.
- *Adjustable return temperature controller 15-45 °C. Complete with:*
  - valve suitable to thermostatic control by head with remote sensor or to control by electrothermal head connected to room thermostat;
  - manual air vent valve;
  - recessed cabinet.
- **Dispositif de contrôle de la température de retour réglable de 15 à 45 °C. Complet de:**
  - vanne thermostatisable pour tête avec capteur à distance ou tête électrothermique reliée à un thermostat ambiant;
  - purgeur manuel d'air;
  - caisse à encastrement.
- *Steuergerät der einstellbaren Rücklauftemperatur 15-45 °C. Komplett mit:*
  - Thermostatventil für Kopf mit Fernsensor oder elektrothermischer Kopf, der mit dem Raumthermostat verbunden ist;
  - Entlüftungsventil manuell;
  - Einbaugehäuse.
- **Dispositivo de control de la temperatura de retorno regulable 15-45 °C. Completo con:**
  - válvula termo-estabilizadora para cabeza con sensor remoto o cabeza electro-térmica conectado al termostato ambiente;
  - válvula purgadora manual;
  - caja empotrada.

Code	Version	Range	Color	Price	Class	Packaging
506602	RTL - TA	15-45 °C	☐	139,34 €	BH	1 / 16
506602CR	RTL - TA	15-45 °C	■	156,65 €	BH	1 / 16

IC-BOX 2



- **Dispositivo di controllo della temperatura di ritorno regolabile 15-45 °C. Completo di:**
  - valvola termostatizzabile per testa con comando e sensore incorporati;
  - valvola manuale di sfiato aria;
  - cassetta ad incasso.
- *Adjustable return temperature controller 15-45 °C. Complete with:*
  - valve suitable to thermostatic control by head with incorporated sensor;
  - manual air vent valve;
  - recessed cabinet.
- **Dispositif de contrôle de la température de retour réglable de 15 à 45°C. Complet de:**
  - vanne thermostatisable pour tête avec commande et capteur incorporés;
  - purgeur manuel d'air;
  - caisse à encastrement.
- *Steuergerät der einstellbaren Rücklauftemperatur 15-45 °C. Komplett mit:*
  - Thermostatventil für eingebauten Steuerkopf und Sensor;
  - Entlüftungsventil manuell;
  - Einbaugehäuse.
- **Dispositivo de control de la temperatura de retorno regulable 15-45 °C. Completo con:**
  - válvula termo-estabilizadora para cabeza con mando y sensor incorporados;
  - válvula purgadora manual;
  - caja empotrada.

Code	Version	Range	Color	Price	Class	Packaging
506603	RTL - TA	15-45 °C	☐	139,34 €	BH	1 / 16
506603CR	RTL - TA	15-45 °C	■	156,65 €	BH	1 / 16

IC-BOX 3



- **Dispositivo di controllo della temperatura di ritorno regolabile 15-45 °C. Completo di:**
  - valvola manuale di sfiato aria
  - cassetta ad incasso.
- *Adjustable return temperature controller 15-45 °C. Complete with:*
  - manual air vent valve;
  - recessed cabinet.
- **Dispositif de contrôle de la température de retour réglable de 15 à 45°C. Complet de:**
  - purgeur manuel d'air;
  - caisse à encastrement.
- *Steuergerät der einstellbaren Rücklauftemperatur 15-45 °C. Komplett mit:*
  - Entlüftungsventil manuell;
  - Einbaugehäuse.
- **Dispositivo de control de la temperatura de retorno regulable 15-45 °C. Completo con:**
  - válvula purgadora manual
  - caja empotrada.

Code	Version	Range	Color	Price	Class	Packaging
506604	RTL	15-45 °C	☐	132,09 €	BH	1 / 16
506604CR	RTL	15-45 °C	■	149,39 €	BH	1 / 16

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IC-BOX 4



- **Dispositivo di regolazione della temperatura ambiente. Completo di:**
  - detentore a doppia regolazione micrometrica;
  - valvola manuale di sfiato aria;
  - cassetta ad incasso.
- *Room temperature adjustment device. Complete with:*
  - double micrometric adjustment lockshield
  - manual air vent valve
  - recessed cabinet.
- **Dispositif pour le réglage de la température ambiante. Complet de:**
  - détenteur à double réglage micrométrique;
  - purgeur manuel d'air;
  - caisse à encastrement.
- *Vorrichtung zur Regelung der Zimmertemperatur. Komplett mit:*
  - Rücklaufverschraubung mit doppelter Feineinstellung;
  - Entlüftungsventil manuell;
  - Einbaugehäuse.
- **Dispositivo para la regulación de la temperatura ambiente. Completo con:**
  - detentor de regulación doble micrométrica;
  - válvula purgadora manual;
  - caja empotrada.

Code	Version	Color	Price	Class	Packaging
506606	TA	☐	100,88 €	BH	1 / 16
506606CR	TA	■	118,32 €	BH	1 / 16

IC-BOX 5



- **Dispositivo di regolazione della temperatura ambiente. Completo di:**
  - detentore a doppia regolazione micrometrica;
  - valvola manuale di sfiato aria;
  - cassetta ad incasso.
- *Room temperature adjustment device. Complete with:*
  - double micrometric adjustment lockshield;
  - manual air vent valve;
  - recessed cabinet.
- **Dispositif pour le réglage de la température ambiante. Complet de:**
  - détendeur à double réglage micrométrique;
  - purgeur manuel d'air;
  - caisse à encastrement.
- *Vorrichtung zur Regelung der Zimmertemperatur. Komplett mit:*
  - Rücklaufverschraubung mit doppelter Feineinstellung;
  - Entlüftungsventil manuell;
  - Einbaugehäuse.
- **Dispositivo para la regulación de la temperatura ambiente. Completo con:**
  - detentor de regulación doble micrométrica;
  - válvula purgadora manual;
  - caja empotrada.

Code	Version	Color	Price	Class	Packaging
506607	TA	☐	100,88 €	BH	1 / 16
506607CR	TA	■	118,32 €	BH	1 / 16

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T 5000



- **Testa termostatica con comando e sensore a espansione di liquido incorporati. Isteresi 0,5 K.**
- *Thermostatic head with incorporated command and liquid expansion sensor. Hysteresis 0.5 K.*
- **Tête thermostatique avec commande et senseur à expansion de liquide incorporés. Hystérésis 0,5 K.**
- *Thermostat-Kopf mit eingebauten Steuerung und Flüssigkeitsausdehnung Fühler. Hysterese 0,5 K.*
- **Cabeza termostática con mando y sensor de expansión de líquido incorporados. Histéresis 0,5 K.**



Code	Size	D	W	Z	Range	Color	Price	Class	Packaging
501172	M30 x 1,5	0.25 K	0.75 K	30 min	6,5-28 °C	☐	18,10 €	AA	10 / 80

T 5000 CHROME



- **Testa termostatica con comando e sensore a espansione di liquido incorporati.**
- *Thermostatic head with incorporated command and liquid expansion sensor.*
- **Tête thermostatique avec commande et senseur à expansion de liquide incorporés.**
- *Thermostat-Kopf mit eingebauten Steuerung und Flüssigkeitsausdehnung Fühler.*
- **Cabeza termostática con mando y sensor de expansión de líquido incorporados.**

Code	Size	Z	Range	Color	Price	Class	Packaging
501172C	M30 x 1,5	< 40 min	6,5-28 °C	■	42,57 €	AA	10 / 80

T 5030



- **Testa termostatica con sensore remoto e comando ad incasso.**
- *Thermostatic head with remote sensor and concealed command.*
- **Tête thermostatique avec senseur à distance commande d'encaissement.**
- *Thermostat-Kopf mit Fernfühler und UP-Steuerung.*
- **Cabeza termostática con sensor remoto y mando empotrable.**

Code	Size	Z	Range	Length	Price	Class	Packaging
501179	M30 x 1,5	< 40 min	6,5-28 °C	2 m	65,25 €	AA	2 / 16
501180	M30 x 1,5	< 40 min	6,5-28 °C	5 m	73,78 €	AA	2 / 16

- **D = Influenza della pressione differenziale. W = Effetto della temperatura dell'acqua. Z = Tempo di risposta.**
- *D = Differential pressure influence. W = Water temperature effect. Z = Response time.*
- **D = Influence de la pression différentielle. W = Influence de la temperature de l'eau. Z = Temps de réponse.**
- *D = Einfluß des Differenzialdrucks. W = Wassertemperatureinfluss. Z = Schließzeit.*
- **D = Influencia de la presión diferencial. W = Efecto de la temperatura del agua. Z = Tiempo de respuesta.**

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MINIMUM THERMAL RESISTANCE OF THE INSULATION LAYER

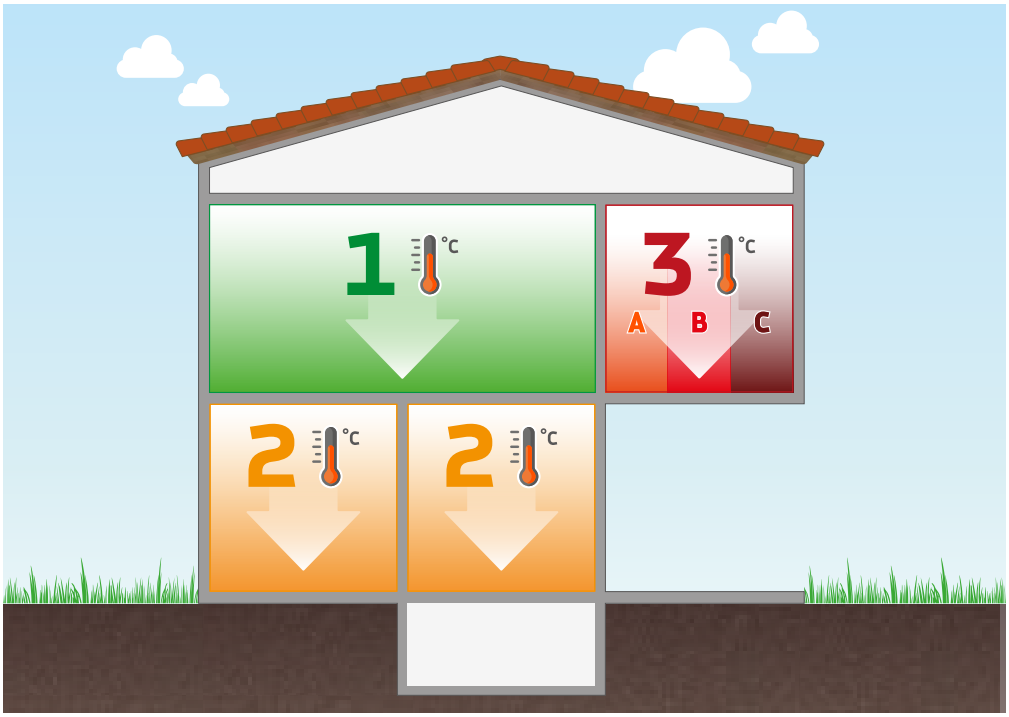
In order to limit the dispersion of heat to the environment below through the floor, the standard EN 1264-4:2021 requires a minimum thermal resistance value Rd for the insulation layers (panel) on the basis of the thermal conditions below the heated environment.

NEW CONSTRUCTION

These requirements are mandatory and must always be complied with for new construction

RENOVATION

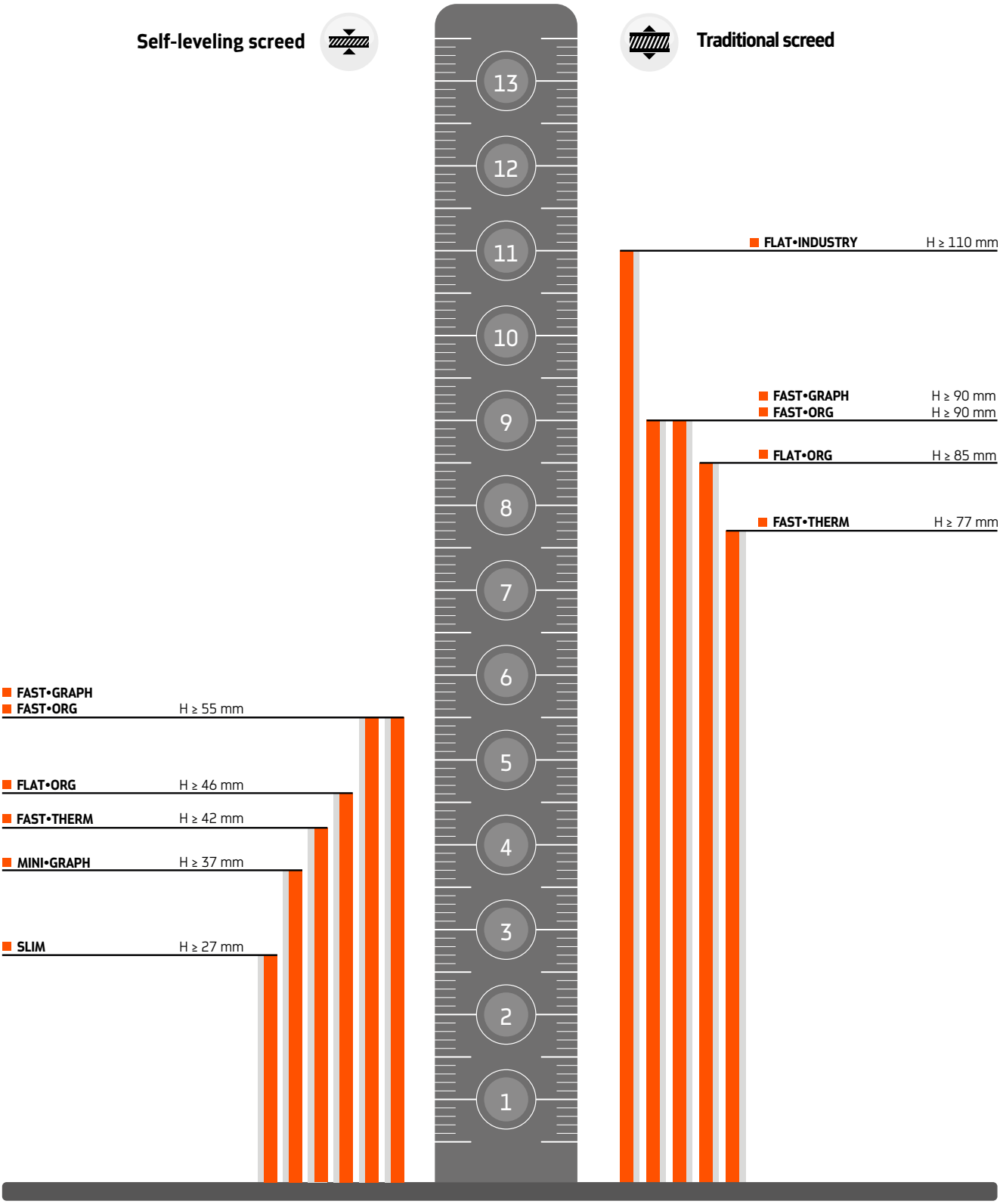
In the event of renovation/refurbishment, these should be considered indicative: in order to achieve the specified minimum thermal resistance values through the floor, the designer may consider the thermal resistance of the entire slab/subfloor (not just the panel). Where applicable, it is possible to add further insulation on top in order to come as close as possible to the code requirements.



	1	2	3		
Application case	Underlying room heated	Underlying room not heated, non-continuously heated or directly on the ground.	Underlying outdoor temperature		
			3A	3B	3C
			Design outdoor T. Td ≥ 0 °C	Design outdoor T. 0 °C > Td ≥ -5 °C	Design outdoor T. -5 °C > Td ≥ -15 °C
Min. thermal resistance of the insulation layer Rd (m² k/W)	0,75	1,25	1,25	1,50	2,00

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MINIMUM HEIGHT OF FLOOR SYSTEMS



Self-leveling screed drying times and thermal cycle for first start-up of the system according to the manufacturer's technical data sheet

9 - 14 days

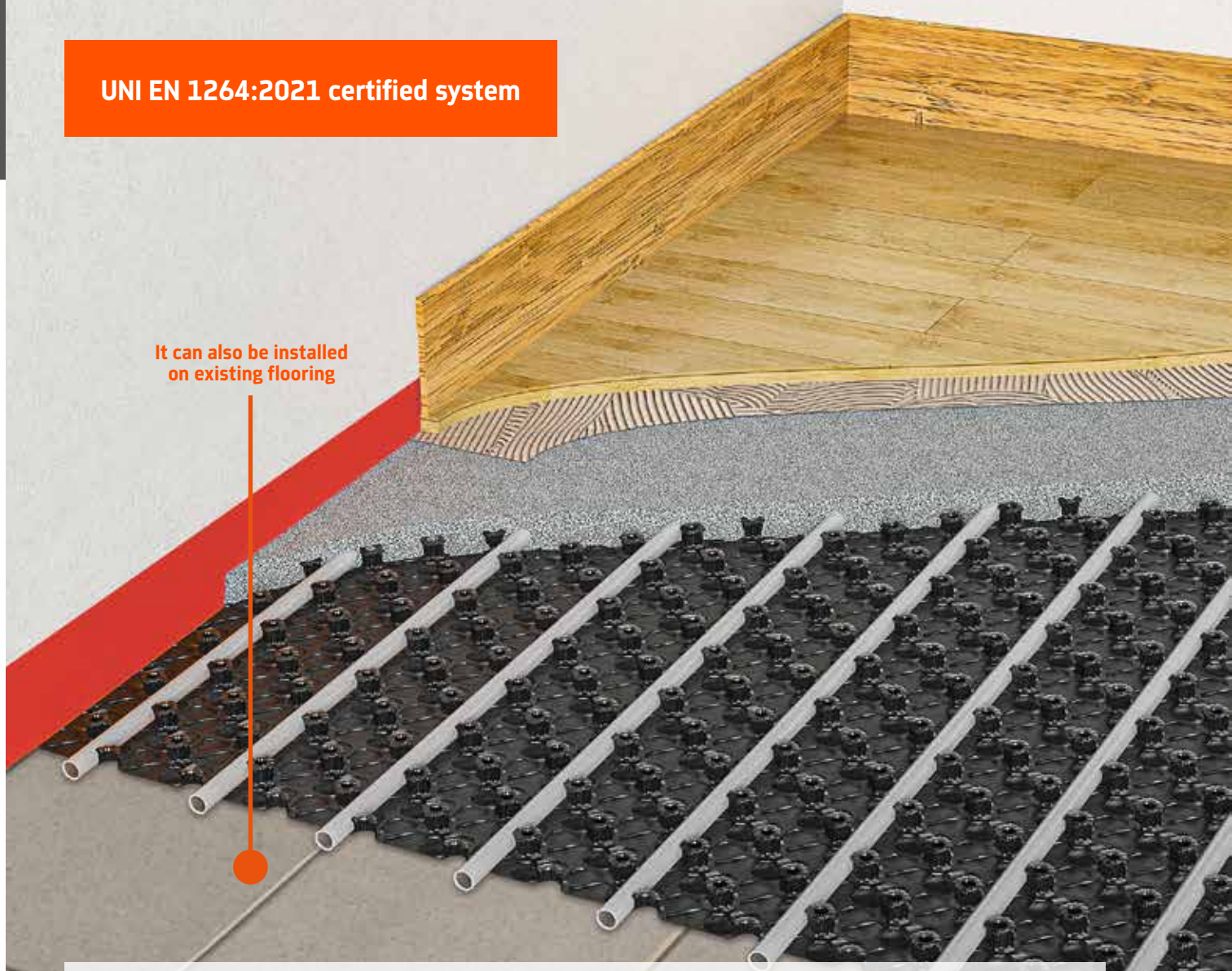
Screed drying and thermal cycle times for first start-up of the system according to UNI EN 1264-4: 2021

28 days

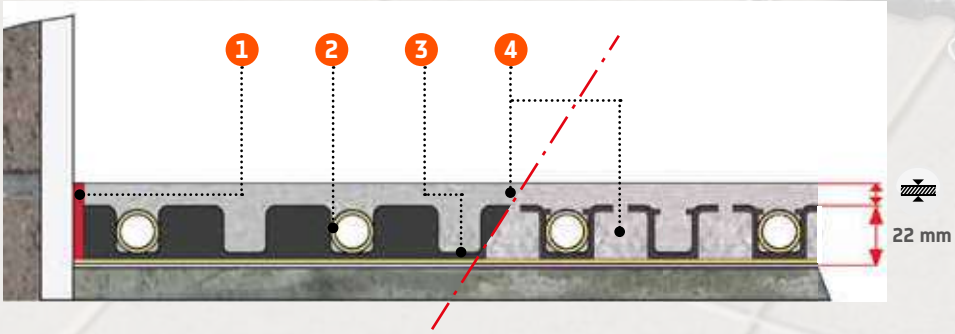
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Typical application	Restoration
Multiple laying steps	5 cm
Pipes that can be installed	Ø16/2 - Ø17/2 mm

UNI EN 1264:2021 certified system



1. Perimeter edging
2. Piping
3. Thermoformed film with adhesive tape
4. Radiant screed



FOCUS: Minimum installation space >> See the introduction to this chapter.

SLIM



- **Pellicola termoformata (senza strato isolante) con biadesivo.**
  - Dimensioni utili: 120 x 80 cm
  - Film plastico: 1 mm
- *Thermoformed film (without insulating layer) with double-sided tape.*
  - Useful dimensions: 120 x 80 cm
  - Plastic film: 1 mm
- **Film thermoformée (sans couche isolante) avec ruban adhésif double face.**
  - Dimensions utiles: 120 x 80 cm
  - Film plastique: 1 mm
- *Folie (ohne Isolierschicht), mit doppelseitigem Klebeband.*
  - Nützliche Abmessungen: 120 x 80 cm
  - Kunststofffolie: 1 mm
- **Película (sin capa aislante), con cinta adhesiva de doble cara.**
  - Dimensiones útiles: 120 x 80 cm
  - Película de plástico: 1 mm

Code	Total thickness	Pcs per package	Price	Class	Packaging
SLIM22	22 mm	11 pcs	43,40 €/m²	HU	10,56 m²



- **Tubazioni >> p. 89**
- *Pipes >> p. 89*
- **Tuyaux >> p. 89**
- *Rohre >> p. 89*
- **Tuberías >> p. 89**



- **Reggicurva >> p. 282**
- *Holding bend >> p. 282*
- **Courbe de support >> p. 282**
- *Stützkurve >> p. 282*
- **Curva de soporte >> p. 282**



- **Guaina isolante >> p. 282,286**
- *Insulating sheath >> p. 282,286*
- **Gaine isolante >> p. 282,286**
- *Isoliermantel >> p. 282,286*
- **Vaina aislante >> p. 282,286**



- **Fascia perimetrale >>p. 282**
- *Perimeter edging >>p. 282*
- **Bande périmétrique >>p. 282**
- *Umfangsband >>p. 282*
- **Banda perimetral >>p. 282**

SUGGESTED SCREED

Self-leveling

KNAUF

NE 499
h ≥ 10 mm

NE 425
h ≥ 20 mm

Self-leveling screed height to be considered above the ashlar

Self-leveling screed drying times and thermal cycle for first start-up of the system according to the manufacturer's technical data sheet

9-14 days

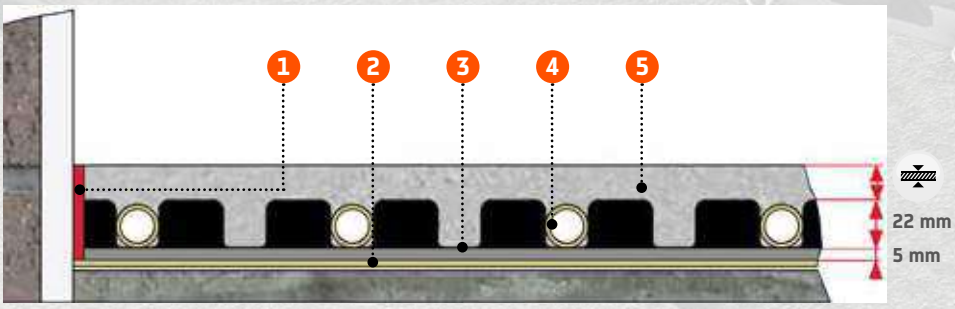
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Typical application	Restoration
Multiple laying steps	5 cm
Pipes that can be installed	Ø16/2 - Ø17/2 mm

UNI EN 1264:2021 certified system



1. Perimeter edging
2. Humidity barrier
3. Insulation panel
4. Piping
5. Radiant screed



FOCUS: Minimum installation space >> See the introduction to this chapter.

MINIGRAPH



On request the material can be supplied in compliance with CAM requirements

- **Pannello termoformato in polistirene espanso con grafite.**
  - **Dimensioni utili: 140 x 80 cm**
  - **Film plastico: 600 µm**
  - **Classe materiale (UNI EN 13163): EPS 400**
  - **Conducibilità termica (EN 12667): λd 0,030 W/m K**
  - **Resistenza a compressione al 10% di deformazione (UNI EN 826): 400 kPa**
- *Thermoformed panel in expanded polystyrene with graphite.*
  - *Useful dimensions: 140 x 80 cm*
  - *Plastic film: 600 µm*
  - *Material class (UNI EN 13163): EPS 400*
  - *Thermal conductivity (EN 12667): λd 0,030 W/m K*
  - *Compressive strength at 10% deformation (UNI EN 826): 400 kPa*
- **Panneau thermoformé en polystyrène expansé avec graphite.**
  - **Dimensions utiles: 140 x 80 cm**
  - **Film plastique: 600 µm**
  - **Classe de matériau (UNI EN 13163): EPS 400**
  - **Conductivité thermique (EN 12667): λd 0,030 W/m K**
  - **Résistance à la compression à 10% de déformation (UNI EN 826): 400 kPa**
- *Thermoformplatte aus expandiertem Polystyrol mit Graphit.*
  - *Nützliche Abmessungen: 140 x 80 cm*
  - *Kunststofffolie: 600 µm*
  - *Materialklasse (UNI EN 13163): EPS 400*
  - *Wärmeleitfähigkeit (EN 12667): λd 0,030 W/m K*
  - *Druckfestigkeit bei 10% der Verformung (UNI EN 826): 400 kPa*
- **Panel termoformado de poliestireno expandido con grafito.**
  - **Dimensiones útiles: 140 x 80 cm**
  - **Película de plástico: 600 µm**
  - **Clase de material (UNI EN 13163): EPS 400**
  - **Conductividad térmica (EN 12667): λd 0,030 W/m K**
  - **Resistencia a la compresión al 10% de deformación (UNI EN 826): 400 kPa**

Code	Insulation thickness	Total thickness	Thermal resistance	Pcs per package	Price	Class	Packaging
MINIGRAPH5	5 mm	27 mm	0,17 m² K/W	14 pcs	30,24 €/m²	HU	15,68 m²



- **Tubazioni >> p. 89**
- *Pipes >> p. 89*
- **Tuyaux >> p. 89**
- *Rohre >> p. 89*
- **Tuberías >> p. 89**



- **Reggicurva >> p. 282**
- *Holding bend >> p. 282*
- **Courbe de support >> p. 282**
- *Stützkurve >> p. 282*
- **Curva de soporte >> p. 282**



- **Guaina isolante >> p. 282,286**
- *Insulating sheath >> p. 282,286*
- **Gaine isolante >> p. 282,286**
- *Isoliermantel >> p. 282,286*
- **Vaina aislante >> p. 282,286**



- **Fascia perimetrale >> p. 282**
- *Perimeter edging >> p. 282*
- **Bande périmétrique >> p. 282**
- *Umfangsband >> p. 282*
- **Banda perimetral >> p. 282**



- **Barriera umidità >> p. 283**
- *Humidity barrier >> p. 283*
- **Barrière humidité >> p. 283**
- *Feuchtigkeitsbarriere >> p. 283*
- **Barrera contra la humedad >> p. 283**



- **Graffette >>p. 283**
- *Clips >>p. 283*
- **Clips >>p. 283**
- *Clips >>p. 283*
- **Pinzas >>p. 283**

SUGGESTED SCREED

Self-leveling

KNAUF

NE 499
h ≥ 10 mm

NE 425
h ≥ 20 mm

Self-leveling screed height to be considered above the ashlar

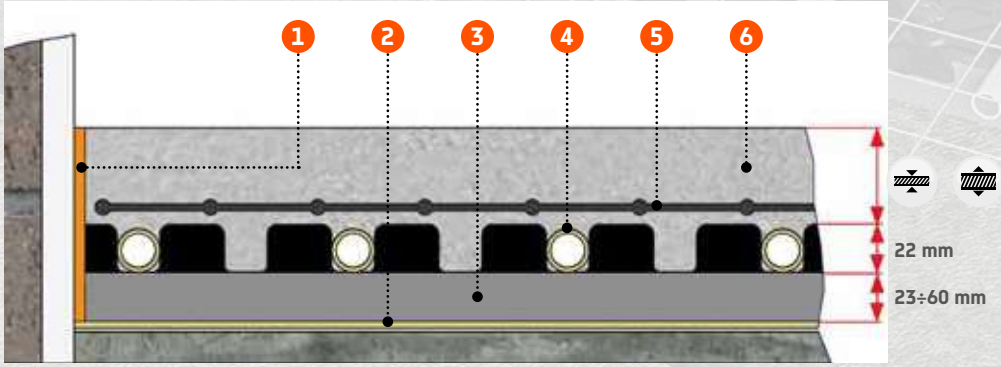
Self-leveling screed drying times and thermal cycle for first start-up of the system according to the manufacturer's technical data sheet

9-14 days

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Typical application	Residential
Multiple laying steps	5 cm
Pipes that can be installed	Ø16/2 - Ø17/2 mm

1. Perimeter edging
2. Humidity barrier
3. Insulation panel
4. Piping
5. Electro-welded mesh
6. Radiant screed



FOCUS: Minimum installation space >> See the introduction to this chapter.

GRAPH



On request the material can be supplied in compliance with CAM requirements

- **Pannello termoformato in polistirene espanso con grafite.**
  - **Dimensioni utili: 140 x 80 cm**
  - **Film plastico: 600 µm**
  - **Classe materiale (UNI EN 13163): EPS 150**
  - **Conducibilità termica (EN 12667): λd 0,030 W/m K**
  - **Resistenza a compressione al 10% di deformazione (UNI EN 826): 150 kPa**
- *Thermoformed panel in expanded polystyrene with graphite.*
  - *Useful dimensions: 140 x 80 cm*
  - *Plastic film: 600 µm*
  - *Material class (UNI EN 13163): EPS 150*
  - *Thermal conductivity (EN 12667): λd 0,030 W/m K*
  - *Compressive strength at 10% deformation (UNI EN 826): 150 kPa*
- **Panneau thermoformé en polystyrène expansé avec graphite.**
  - **Dimensions utiles: 140 x 80 cm**
  - **Film plastique: 600 µm**
  - **Classe de matériau (UNI EN 13163): EPS 150**
  - **Conductivité thermique (EN 12667): λd 0,030 W/m K**
  - **Résistance à la compression à 10% de déformation (UNI EN 826): 150 kPa**
- *Thermoformplatte aus expandiertem Polystyrol mit Graphit.*
  - *Nützliche Abmessungen: 140 x 80 cm*
  - *Kunststofffolie: 600 µm*
  - *Materialklasse (UNI EN 13163): EPS 150*
  - *Wärmeleitfähigkeit (EN 12667): λd 0,030 W/m K*
  - *Druckfestigkeit bei 10% der Verformung (UNI EN 826): 150 kPa*
- **Panel termoformado de poliestireno expandido con grafito.**
  - **Dimensiones útiles: 140 x 80 cm**
  - **Película de plástico: 600 µm**
  - **Clase de material (UNI EN 13163): EPS 150**
  - **Conductividad térmica (EN 12667): λd 0,030 W/m K**
  - **Resistencia a la compresión al 10% de deformación (UNI EN 826): 150 kPa**

Code	Insulation thickness	Total thickness	Thermal resistance	Pcs per package	Price	Class	Packaging
GRAPH23	23 mm	45 mm	0,77 m² K/W	14 pcs	36,00 €/m²	HU	15,68 m²
GRAPH38	38 mm	60 mm	1,27 m² K/W	10 pcs	44,10 €/m²	HU	11,20 m²
GRAPH45	45 mm	67 mm	1,50 m² K/W	8 pcs	49,00 €/m²	HU	10,08 m²
GRAPH60	60 mm	82 mm	2,00 m² K/W	7 pcs	57,50 €/m²	HU	7,84 m²



- **Tubazioni >> p. 89**
- *Pipes >> p. 89*
- **Tuyaux >> p. 89**
- *Rohre >> p. 89*
- **Tuberías >> p. 89**



- **Reggicurva >> p. 282**
- *Holding bend >> p. 282*
- **Courbe de support >> p. 282**
- *Stützkurve >> p. 282*
- **Curva de soporte >> p. 282**



- **Guaina isolante >> p. 282,286**
- *Insulating sheath >> p. 282,286*
- **Gaine isolante >> p. 282,286**
- *Isoliermantel >> p. 282,286*
- **Vaina aislante >> p. 282,286**



- **Fascia perimetrale >> p. 282**
- *Perimeter edging >> p. 282*
- **Bande périmétrique >> p. 282**
- *Umfangsband >> p. 282*
- **Banda perimetral >> p. 282**



- **Graffette >> p. 283**
- *Clips >> p. 283*
- **Clips >> p. 283**
- *Clips >> p. 283*
- **Pinzas >> p. 283**



- **Graffette >>p. 283**
- *Clips >>p. 283*
- **Clips >>p. 283**
- *Clips >>p. 283*
- **Pinzas >>p. 283**

SUGGESTED SCREED

Self-leveling

KNAUF

NE 499
h ≥ 10 mm

NE 425
h ≥ 20 mm

Self-leveling screed height to be considered above the ashlar

Self-leveling screed drying times and thermal cycle for first start-up of the system according to the manufacturer's technical data sheet

9-14 days

Traditional



- **Giunto di dilatazione >> p. 282**
- *Expansion joint >> p. 282*
- **Joint de dilatation >> p. 282**
- *Dehnfuge >> p. 282*
- **Junta de dilatación >> p. 282**



- **Rete elettrosaldata piana >> p. 283**
- *Electro welded flat net >> p. 283*
- **Grille électrosoudée plane >> p. 283**
- *Flaches Schweißgitter >> p. 283*
- **Red electrosoldada plana >> p. 283**



- **Fibre di rinforzo per massetti in calcestruzzo >> p. 284**
- *Reinforcement fibres for concrete screeds >> p. 284*
- **Fibres de renfort pour chapes en beton >> p. 284**
- *Verstärkungsfasern für Beton-Versiegelungsschicht >> p. 284*
- **Fibras de refuerzo para soleras de hormigón >> p. 284**



- **Additivo per massetti in calcestruzzo >>p. 284**
- *Additive for concrete screeds >>p. 284*
- **Additif pour chapes en béton >>p. 284**
- *Zusatzstoff für Beton-Versiegelungsschicht >>p. 284*
- **Aditivo para contra-pisos de hormigón >>p. 284**

Suggested height ≥ 45 mm over ashlar

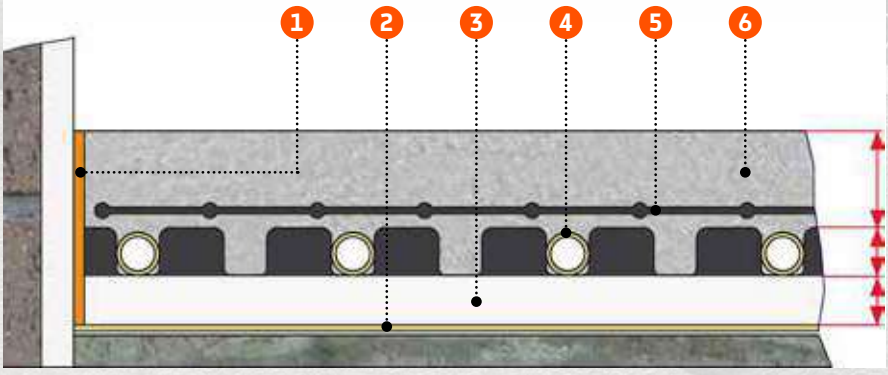
Screed drying and thermal cycle times for first start-up of the system according to UNI EN 1264-4: 2021

28 days

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Typical application	Residential
Multiple laying steps	5 cm
Pipes that can be installed	Ø16/2 - Ø17/2 mm

1. Perimeter edging
2. Humidity barrier
3. Insulation panel
4. Piping
5. Electro-welded mesh
6. Radiant screed



FOCUS: Minimum installation space >> See the introduction to this chapter.

THERM



On request the material can be supplied in compliance with CAM requirements

- **Pannello termoformato in polistirene espanso.**
  - **Dimensioni utili: 140 x 80 cm**
  - **Film plastico: 600 µm**
  - **Classe materiale (UNI EN 13163): EPS 200 (10 mm); EPS 150 (20-30 mm)**
  - **Conducibilità termica (EN 12667): λd 0,033 W/m K (10 mm); λd 0,034 W/m K (20-30 mm)**
  - **Resistenza a compressione al 10% di deformazione (UNI EN 826): 200 kPa (10 mm); 150 kPa (20-30 mm)**
- *Thermoformed panel in expanded polystyrene.*
  - *Useful dimensions: 140 x 80 cm*
  - *Plastic film: 600 µm*
  - *Material class (UNI EN 13163): EPS 200 (10 mm); EPS 150 (20-30 mm)*
  - *Thermal conductivity (EN 12667): λd 0,033 W/m K (10 mm); λd 0,034 W/m K (20-30 mm)*
  - *Compressive strength at 10% deformation (UNI EN 826): 200 kPa (10 mm); 150 kPa (20-30 mm)*
- **Panneau thermoformé en polystyrène expansé.**
  - **Dimensions utiles: 140 x 80 cm**
  - **Film plastique: 600 µm**
  - **Classe de matériau (UNI EN 13163): EPS 200 (10 mm); EPS 150 (20-30 mm)**
  - **Conductivité thermique (EN 12667): λd 0,033 W/m K (10 mm); λd 0,034 W/m K (20-30 mm)**
  - **Résistance à la compression à 10% de déformation (UNI EN 826): 200 kPa (10 mm); 150 kPa (20-30 mm)**
- *Thermoformplatte aus expandiertem Polystyrol.*
  - *Nützliche Abmessungen: 140 x 80 cm*
  - *Kunststofffolie: 600 µm*
  - *Materialklasse (UNI EN 13163): EPS 200 (10 mm); EPS 150 (20-30 mm)*
  - *Wärmeleitfähigkeit (EN 12667): λd 0,033 W/m K (10 mm); λd 0,034 W/m K (20-30 mm)*
  - *Druckfestigkeit bei 10% der Verformung (UNI EN 826): 200 kPa (10 mm); 150 kPa (20-30 mm)*
- **Panel termoformado de poliestireno expandido.**
  - **Dimensiones útiles: 140 x 80 cm**
  - **Película de plástico: 600 µm**
  - **Clase de material (UNI EN 13163): EPS 200 (10 mm); EPS 150 (20-30 mm)**
  - **Conductividad térmica (EN 12667): λd 0,033 W/m K (10 mm); λd 0,034 W/m K (20-30 mm)**
  - **Resistencia a la compresión al 10% de deformación (UNI EN 826): 200 kPa (10 mm); 150 kPa (20-30 mm)**

Code	Insulation thickness	Total thickness	Thermal resistance	Pcs per package	Price	Class	Packaging
THERM10	10 mm	32 mm	0,30 m² K/W	22 pcs	22,70 €/m²	HU	24,64 m²
THERM20	20 mm	42 mm	0,59 m² K/W	16 pcs	25,50 €/m²	HU	17,92 m²
THERM30	30 mm	52 mm	0,88 m² K/W	12 pcs	29,00 €/m²	HU	13,44 m²



- **Tubazioni >> p. 89**
- *Pipes >> p. 89*
- **Tuyaux >> p. 89**
- *Rohre >> p. 89*
- **Tuberías >> p. 89**



- **Reggicurva >> p. 282**
- *Holding bend >> p. 282*
- **Courbe de support >> p. 282**
- *Stützkurve >> p. 282*
- **Curva de soporte >> p. 282**



- **Guaina isolante >> p. 282,286**
- *Insulating sheath >> p. 282,286*
- **Gaine isolante >> p. 282,286**
- *Isoliermantel >> p. 282,286*
- **Vaina aislante >> p. 282,286**



- **Fascia perimetrale >> p. 282**
- *Perimeter edging >> p. 282*
- **Bande périmétrique >> p. 282**
- *Umfangsband >> p. 282*
- **Banda perimetral >> p. 282**



- **Graffette >> p. 283**
- *Clips >> p. 283*
- **Clips >> p. 283**
- *Clips >> p. 283*
- **Pinzas >> p. 283**



- **Graffette >>p. 283**
- *Clips >>p. 283*
- **Clips >>p. 283**
- *Clips >>p. 283*
- **Pinzas >>p. 283**

SUGGESTED SCREED

Self-leveling

KNAUF

NE 499
h ≥ 10 mm

NE 425
h ≥ 20 mm

Self-leveling screed height to be considered above the ashlar

Self-leveling screed drying times and thermal cycle for first start-up of the system according to the manufacturer's technical data sheet

9-14 days

Traditional



- **Giunto di dilatazione >> p. 282**
- *Expansion joint >> p. 282*
- **Joint de dilatation >> p. 282**
- *Dehnfuge >> p. 282*
- **Junta de dilatación >> p. 282**



- **Rete elettrosaldata piana >> p. 283**
- *Electro welded flat net >> p. 283*
- **Grille électrosoudée plane >> p. 283**
- *Flaches Schweißgitter >> p. 283*
- **Red electrosoldada plana >> p. 283**



- **Fibre di rinforzo per massetti in calcestruzzo >> p. 284**
- *Reinforcement fibres for concrete screeds >> p. 284*
- **Fibres de renfort pour chapes en beton >> p. 284**
- *Verstärkungsfasern für Beton-Versiegelungsschicht >> p. 284*
- **Fibras de refuerzo para soleras de hormigón >> p. 284**



- **Additivo per massetti in calcestruzzo >>p. 284**
- *Additive for concrete screeds >>p. 284*
- **Additif pour chapes en béton >>p. 284**
- *Zusatzstoff für Beton-Versiegelungsschicht >>p. 284*
- **Aditivo para contra-pisos de hormigón >>p. 284**

Suggested height ≥ 45 mm over ashlar

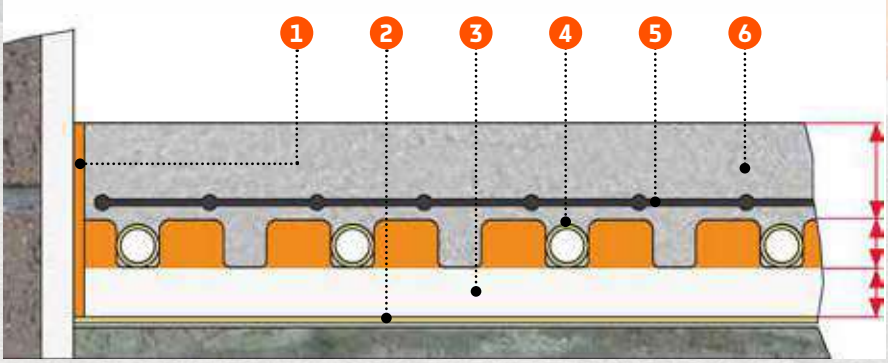
Screed drying and thermal cycle times for first start-up of the system according to UNI EN 1264-4: 2021

28 days

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Typical application	Residential
Multiple laying steps	5 cm
Pipes that can be installed	Ø16/2 - Ø17/2 mm

1. Perimeter edging
2. Humidity barrier
3. Insulation panel
4. Piping
5. Electro-welded mesh
6. Radiant screed



FOCUS: Minimum installation space >> See the introduction to this chapter.

FAST-ORG



- **Pannello bugnato in polistirene espanso.**
  - Dimensioni utili: 140 x 80 cm
  - Film plastico: 170 µm
  - Classe materiale (UNI EN 13163): EPS 200
  - Conducibilità termica (EN 12667): λd 0,033 W/m K
  - Resistenza a compressione al 10% di deformazione (UNI EN 826): 200 kPa
- *Ashlar panel in expanded polystyrene.*
  - Useful dimensions: 140 x 80 cm
  - Plastic film: 170 µm
  - Material class (UNI EN 13163): EPS 200
  - Thermal conductivity (EN 12667): λd 0,033 W/m K
  - Compressive strength at 10% deformation (UNI EN 826): 200 kPa
- **Panneau bossage en polystyrène expansé.**
  - Dimensions utiles: 140 x 80 cm
  - Film plastique: 170 µm
  - Classe de matériau (UNI EN 13163): EPS 200
  - Conductivité thermique (EN 12667): λd 0,033 W/m K
  - Résistance à la compression à 10% de déformation (UNI EN 826): 200 kPa
- *Noppenplatte aus expandiertem Polystyrol.*
  - Nützliche Abmessungen: 140 x 80 cm
  - Kunststofffolie: 170 µm
  - Materialklasse (UNI EN 13163): EPS 200
  - Wärmeleitfähigkeit (EN 12667): λd 0,033 W/m K
  - Druckfestigkeit bei 10% der Verformung (UNI EN 826): 200 kPa
- **Panel almohadillado de poliestireno expandido.**
  - Dimensiones útiles: 140 x 80 cm
  - Película de plástico: 170 µm
  - Clase de material (UNI EN 13163): EPS 200
  - Conductividad térmica (EN 12667): λd 0,033 W/m K
  - Resistencia a la compresión al 10% de deformación (UNI EN 826): 200 kPa

Code	Insulation thickness	Total thickness	Thermal resistance	Pcs per package	Price	Class	Packaging
FAST20-ORG	20 mm	45 mm	0,61 m² K/W	16 pcs	22,40 €/m²	HU	17,92 m²
FAST30-ORG	30 mm	55 mm	0,91 m² K/W	12 pcs	26,90 €/m²	HU	13,44 m²
FAST40-ORG	40 mm	65 mm	1,21 m² K/W	10 pcs	33,20 €/m²	HU	11,20 m²



- **Tubazioni >> p. 89**
- *Pipes >> p. 89*
- **Tuyaux >> p. 89**
- *Rohre >> p. 89*
- **Tuberías >> p. 89**



- **Reggicurva >> p. 282**
- *Holding bend >> p. 282*
- **Courbe de support >> p. 282**
- *Stützkurve >> p. 282*
- **Curva de soporte >> p. 282**



- **Guaina isolante >> p. 282,286**
- *Insulating sheath >> p. 282,286*
- **Gaine isolante >> p. 282,286**
- *Isoliermantel >> p. 282,286*
- **Vaina aislante >> p. 282,286**



- **Fascia perimetrale >> p. 282**
- *Perimeter edging >> p. 282*
- **Bande périmétrique >> p. 282**
- *Umfangsband >> p. 282*
- **Banda perimetral >> p. 282**



- **Barriera umidità >> p. 283**
- *Humidity barrier >> p. 283*
- **Barrière humidité >> p. 283**
- *Feuchtigkeitsbarriere >> p. 283*
- **Barrera contra la humedad >> p. 283**



- **Graffette >>p. 283**
- *Clips >>p. 283*
- **Clips >>p. 283**
- *Clips >>p. 283*
- **Pinzas >>p. 283**

SUGGESTED SCREED

Self-leveling

KNAUF

NE 499
h ≥ 10 mm

NE 425
h ≥ 20 mm

Self-leveling screed height to be considered above the ashlar

Self-leveling screed drying times and thermal cycle for first start-up of the system according to the manufacturer's technical data sheet

9-14 days

Traditional



- **Giunto di dilatazione >> p. 282**
- *Expansion joint >> p. 282*
- **Joint de dilatation >> p. 282**
- *Dehnfuge >> p. 282*
- **Junta de dilatación >> p. 282**



- **Rete elettrosaldata piana >> p. 283**
- *Electro welded flat net >> p. 283*
- **Grille électrosoudée plane >> p. 283**
- *Flaches Schweißgitter >> p. 283*
- **Red electrosoldada plana >> p. 283**



- **Fibre di rinforzo per massetti in calcestruzzo >> p. 284**
- *Reinforcement fibres for concrete screeds >> p. 284*
- **Fibres de renfort pour chapes en beton >> p. 284**
- *Verstärkungsfasern für Beton-Versiegelungsschicht >> p. 284*
- **Fibras de refuerzo para soleras de hormigón >> p. 284**



- **Additivo per massetti in calcestruzzo >>p. 284**
- *Additive for concrete screeds >>p. 284*
- **Additif pour chapes en béton >>p. 284**
- *Zusatzstoff für Beton-Versiegelungsschicht >>p. 284*
- **Aditivo para contra-pisos de hormigón >>p. 284**

Suggested height ≥ 45 mm over ashlar

Screed drying and thermal cycle times for first start-up of the system according to UNI EN 1264-4: 2021

28 days

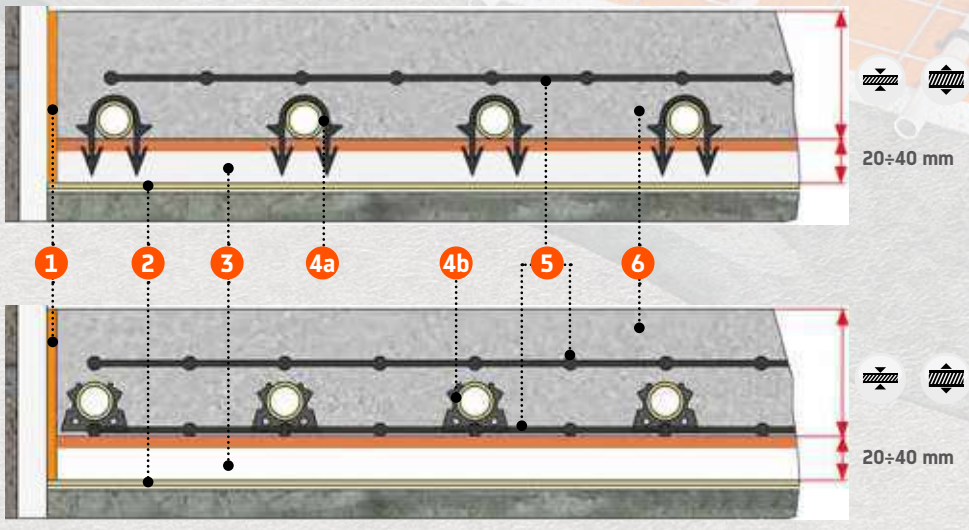
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Typical application	Tertiary
Multiple laying steps	5 cm
Pipes that can be installed	Ø16/2 - Ø17/2 - Ø20/2 - Ø25/2,3 mm

1. Perimeter edging
2. Humidity barrier
3. Insulation panel

4a. Piping + clip
4b. Piping + clip on the net

5. Electro-welded mesh
6. Radiant screed



FOCUS: Minimum installation space >> See the introduction to this chapter.

FLAT-ORG



- **Pannello piano in polistirene espanso.**
  - **Dimensioni utili: 140 x 80 cm (20-40 mm)**
  - **Film plastico: 170 µm**
  - **Classe materiale (UNI EN 13163): EPS 200**
  - **Conducibilità termica (EN 12667): λd 0,033 W/m K**
  - **Resistenza a compressione al 10% di deformazione (UNI EN 826): 200 kPa**
- *Flat panel in expanded polystyrene.*
  - *Useful dimensions: 140 x 80 cm (20-40 mm)*
  - *Plastic film: 170 µm*
  - *Material class (UNI EN 13163): EPS 200*
  - *Thermal conductivity (EN 12667): λd 0,033 W/m K*
  - *Compressive strength at 10% deformation (UNI EN 826): 200 kPa*
- **Panneau plat en polystyrène expansé.**
  - **Dimensions utiles: 140 x 80 cm (20-40 mm)**
  - **Film plastique: 170 µm**
  - **Classe de matériau (UNI EN 13163): EPS 200**
  - **Conductivité thermique (EN 12667): λd 0,033 W/m K**
  - **Résistance à la compression à 10% de déformation (UNI EN 826): 200 kPa**
- *Flachplatte aus expandiertem Polystyrol.*
  - *Nützliche Abmessungen: 140 x 80 cm (20-40 mm)*
  - *Kunststofffolie: 170 µm*
  - *Materialklasse (UNI EN 13163): EPS 200*
  - *Wärmeleitfähigkeit (EN 12667): λd 0,033 W/m K*
  - *Druckfestigkeit bei 10% der Verformung (UNI EN 826): 200 kPa*
- **Panel plano de poliestireno expandido.**
  - **Dimensiones útiles: 140 x 80 cm (20-40 mm)**
  - **Película de plástico: 170 µm**
  - **Clase de material (UNI EN 13163): EPS 200**
  - **Conductividad térmica (EN 12667): λd 0,033 W/m K**
  - **Resistencia a la compresión al 10% de deformación (UNI EN 826): 200 kPa**

Code	Insulation thickness	Total thickness	Thermal resistance	Pcs per package	Price	Class	Packaging
FLAT20-ORG	20 mm	20 mm	0,61 m² K/W	26 pcs	24,10 €/m²	HU	29,12 m²
FLAT30-ORG	30 mm	30 mm	0,91 m² K/W	17 pcs	28,30 €/m²	HU	19,04 m²
FLAT40-ORG	40 mm	40 mm	1,21 m² K/W	13 pcs	36,70 €/m²	HU	14,56 m²



- **Tubazioni >> p. 89**
- *Pipes >> p. 89*
- **Tuyaux >> p. 89**
- *Rohre >> p. 89*
- **Tuberías >> p. 89**



- **Reggicurva >> p. 282**
- *Holding bend >> p. 282*
- **Courbe de support >> p. 282**
- *Stützkurve >> p. 282*
- **Curva de soporte >> p. 282**



- **Guaina isolante >> p. 282,286**
- *Insulating sheath >> p. 282,286*
- **Gaine isolante >> p. 282,286**
- *Isoliermantel >> p. 282,286*
- **Vaina aislante >> p. 282,286**



- **Graffette >> p. 283**
- *Clips >> p. 283*
- **Clips >> p. 283**
- *Clips >> p. 283*
- **Pinzas >> p. 283**



- **Fascia perimetrale >> p. 282**
- *Perimeter edging >> p. 282*
- **Bande périmétrique >> p. 282**
- *Umfangsband >> p. 282*
- **Banda perimetral >> p. 282**



- **Barriera umidità >> p. 283**
- *Humidity barrier >> p. 283*
- **Barrière humidité >> p. 283**
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- **Graffette >>p. 283**
- *Clips >>p. 283*
- **Clips >>p. 283**
- *Clips >>p. 283*
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- **Binari >>p. 284**
- *Rails >>p. 284*
- **Binaires >>p. 284**
- *Schiene >>p. 284*
- **Binarios >>p. 284**

SUGGESTED SCREED

Self-leveling

KNAUF

NE 499
h ≥ 10 mm

NE 425
h ≥ 20 mm

Self-leveling screed height to be considered above the pipe

Self-leveling screed drying times and thermal cycle for first start-up of the system according to the manufacturer's technical data sheet

9-14 days

Traditional



- **Giunto di dilatazione >> p. 282**
- *Expansion joint >> p. 282*
- **Joint de dilatation >> p. 282**
- *Dehnfuge >> p. 282*
- **Junta de dilatación >> p. 282**



- **Rete elettrosaldata piana >> p. 283**
- *Electro welded flat net >> p. 283*
- **Grille électrosoudée plane >> p. 283**
- *Flaches Schweißgitter >> p. 283*
- **Red electrosoldada plana >> p. 283**



- **Fibre di rinforzo per massetti in calcestruzzo >> p. 284**
- *Reinforcement fibres for concrete screeds >> p. 284*
- **Fibres de renfort pour chapes en beton >> p. 284**
- *Verstärkungsfasern für Beton-Versiegelungsschicht >> p. 284*
- **Fibras de refuerzo para soleras de hormigón >> p. 284**



- **Additivo per massetti in calcestruzzo >>p. 284**
- *Additive for concrete screeds >>p. 284*
- **Additif pour chapes en béton >>p. 284**
- *Zusatzstoff für Beton-Versiegelungsschicht >>p. 284*
- **Aditivo para contra-pisos de hormigón >>p. 284**

Suggested height ≥ 65 mm over panel

Screed drying and thermal cycle times for first start-up of the system according to UNI EN 1264-4: 2021

28 days

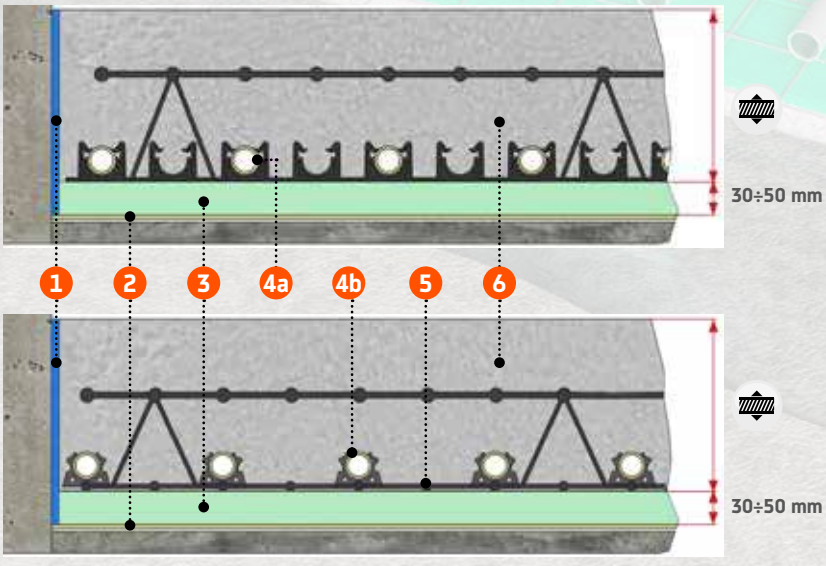
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Typical application	Industrial
Multiple laying steps	Free
Pipes that can be installed	Ø16/2 - Ø17/2 - Ø20/2 - Ø25/2,3 mm

1. Perimeter edging
2. Humidity barrier
3. Insulation panel

4a. Piping + rail
4b. Piping + clip on the net

5. Electro-welded mesh
6. Screed for industrial systems



FOCUS: Minimum installation space >> See the introduction to this chapter.

INDUSTRY



- **Pannello piano in polistirene espanso estruso con battentatura.**
  - Dimensioni utili: 125 x 60 cm
  - Classe materiale: XPS300 (30 mm), XPS500 (40-50-60 mm)
  - Conducibilità termica (EN 12667): λd 0,034 W/m K
  - Resistenza a compressione al 10% di deformazione (UNI EN 826): 300 kPa (30 mm), 500 kPa (40-50-60 mm)
- *Flat panel in extruded expanded polystyrene with rabbet.*
  - Useful dimensions: 125 x 60 cm
  - Material class: XPS300 (30 mm), XPS500 (40-50-60 mm)
  - Thermal conductivity (EN 12667): λd 0,034 W/m K
  - Compressive strength at 10% deformation (UNI EN 826): 300 kPa (30 mm), 500 kPa (40-50-60 mm)
- **Panneau plat en polystyrène expansé extrudé.**
  - Dimensions utiles: 125 x 60 cm
  - Classe de matériau: XPS300 (30 mm), XPS500 (40-50-60 mm)
  - Conductivité thermique (EN 12667): λd 0,034 W/m K
  - Résistance à la compression à 10% de déformation (UNI EN 826): 300 kPa (30 mm), 500 kPa (40-50-60 mm)
- *Flachplatte aus extrudiertem expandiertem Polystyrol.*
  - Nützliche Abmessungen: 125 x 60 cm
  - Materialklasse: XPS300 (30 mm), XPS500 (40-50-60 mm)
  - Wärmeleitfähigkeit (EN 12667): λd 0,034 W/m K
  - Druckfestigkeit bei 10% der Verformung (UNI EN 826): 300 kPa (30 mm), 500 kPa (40-50-60 mm)
- **Panel plano de poliestireno expandido extruido.**
  - Dimensiones útiles: 125 x 60 cm
  - Clase de material: XPS300 (30 mm), XPS500 (40-50-60 mm)
  - Conductividad térmica (EN 12667): λd 0,034 W/m K
  - Resistencia a la compresión al 10% de deformación (UNI EN 826): 300 kPa (30 mm), 500 kPa (40-50-60 mm)

Code	Insulation thickness	Total thickness	Thermal resistance	Pcs per package	Price	Class	Packaging
INDUSTRY30	30 mm	30 mm	0,85 m² K/W	14 pcs	31,50 €/m²	HU	10,50 m²
INDUSTRY40	40 mm	40 mm	1,15 m² K/W	10 pcs	42,00 €/m²	HU	7,50 m²
INDUSTRY50	50 mm	50 mm	1,45 m² K/W	8 pcs	51,25 €/m²	HU	6 m²
INDUSTRY60	60 mm	60 mm	1,75 m² K/W	7 pcs	On request	HU	5,25 m²



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SCREED NOT SUPPLIED BY IVAR

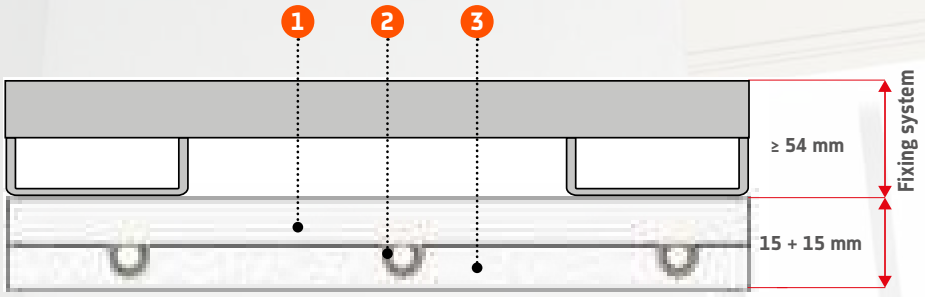
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CEILING SYSTEMS

Typical application	Residential/Industrial
Supply pipes that can be installed	Ø20/2 mm
Reduced water absorption for application in humid rooms (type H1*)	
Increased density (type D*) and reduced steam permeability (type E*)	
High surface hardness and mechanical resistance (type I*)	
Ionizing: it can absorb up to 70% of the formaldehyde in the air	

*According to standard UNI EN 520:2009

1. Insulation panel
2. Piping
3. Plasterboard



FIXING SYSTEM NOT SUPPLIED BY IVAR.

TOP-CLIMA A



- **Pannello attivo in cartongesso additivato con fibre di legno dolce e fibre di vetro prefabbricato con tubo PE-RT e strato isolante in polistirene espanso.**
  - Classe materiale (UNI EN 13163): EPS 150
  - Conducibilità termica (EN 12667): λd 0,033 W/m K (isolante); λd 0,25 W/m K (lastra)
  - Diametro tubazione di collegamento: 10/1,3
  - Passo tubazione interna (spirale): 5 cm
- *Active plasterboard panel with additives of soft wood fibers and glass fibers prefabricated with PE-RT pipe and expanded polystyrene insulation layer.*
  - Material class (UNI EN 13163): EPS 150
  - Thermal conductivity (EN 12667): λd 0,033 W/m K (insulation); λd 0,25 W/m K (slab)
  - Connection pipe diameter: 10/1,3
  - Internal pipe step (spiral): 5 cm
- **Panneau actif en plaques de plâtre additionné de fibres de bois tendre et de fibres de verre préfabriqué avec tube PE-RT et couche isolante en polystyrène expansé.**
  - Classe de matériau (UNI EN 13163): EPS 150
  - Conductivité thermique (EN 12667): λd 0,033 W/m K (isolante); λd 0,25 W/m K (feuille)
  - Diamètre du tuyau de raccordement: 10/1,3 mm
  - Empattement du tuyau interne (spirale): 5 cm
- *Aktive Platte aus Gipskartonplatten mit Zusätzen von Holzweichfasern und Glasfasern vorgefertigt mit PE-RT-Rohr und Dämmschicht aus expandiertem Polystyrol.*
  - Materialklasse (UNI EN 13163): EPS 150
  - Wärmeleitfähigkeit (EN 12667): λd 0,033 W/m K (Isolierschicht); λd 0,25 W/m K (Platte)
  - Anschlussrohrdurchmesser: 10 / 1,3
  - Innerer Serpentinenradstand (Spirale): 5 cm
- **Panel activo en cartón yeso con aditivos de fibras de madera blanda y fibras de vidrio prefabricadas con tubo PE-RT y capa aislante en poliestireno expandido.**
  - Clase de material (UNI EN 13163): EPS 150
  - Conductividad térmica (EN 12667): λd 0,033 W/m K (aislante); λd 0,25 W/m K (placa)
  - Diámetro de la tubería de conexión: 10/1,3
  - Distancia entre ejes serpentina interior (espiral): 5 cm

Code	Panel type	Insulation thickness	Total thickness	Useful dimensions	Thermal resistance	Price	Class	Packaging
TOP-A1006	Active single circuit	15 mm	30 mm	100 x 60 cm	0,45 m² K/W	143,00 €/m²	HU	0,60 m²
TOP-A1012	Active single circuit	15 mm	30 mm	100 x 120 cm	0,45 m² K/W	143,00 €/m²	HU	1,20 m²
TOP-A2006	Active single circuit	15 mm	30 mm	200 x 60 cm	0,45 m² K/W	143,00 €/m²	HU	1,20 m²
TOP-A2012	Active double circuit	15 mm	30 mm	200 x 120 cm	0,45 m² K/W	143,00 €/m²	HU	2,40 m²

TOP-CLIMA P



- **Pannello passivo in cartongesso additivato con fibre di legno dolce e fibre di vetro prefabbricato con strato isolante in polistirene espanso.**
  - Classe materiale (UNI EN 13163): EPS 150
  - Conducibilità termica (EN 12667): λd 0,033 W/m K (isolante); λd 0,25 W/m K (lastra)
- *Passive plasterboard panel with added soft wood fibers and glass fibers prefabricated with PE-RT pipe and expanded polystyrene insulation layer.*
  - Material class (UNI EN 13163): EPS 150
  - Thermal conductivity (EN 12667): λd 0,033 W/m K (insulation); λd 0,25 W/m K (slab)
- **Panneau de plaques de plâtre passif avec ajout de fibres de bois tendre et de fibres de verre préfabriqué avec un tuyau PE-RT et une couche isolante en polystyrène expansé.**
  - Classe de matériau (UNI EN 13163): EPS 150
  - Conductivité thermique (EN 12667): λd 0,033 W/m K (isolante); λd 0,25 W/m K (feuille)
- *Passive Gipskartonplatte mit zugesetzten Holzweichfasern und Glasfasern vorgefertigt mit PE-RT-Rohr und expandierter Polystyrol-Dämmschicht.*
  - Materialklasse (UNI EN 13163): EPS 150
  - Wärmeleitfähigkeit (EN 12667): λd 0,033 W/m K (Isolierschicht); λd 0,25 W/m K (Platte)
- **Panel de cartón-yeso pasivo con agregado de fibras de madera blanda y fibras de vidrio prefabricadas con tubería PE-RT y capa aislante de poliestireno expandido.**
  - Clase de material (UNI EN 13163): EPS 150
  - Conductividad térmica (EN 12667): λd 0,033 W/m K (aislante); λd 0,25 W/m K (placa)

Code	Panel type	Insulation thickness	Total thickness	Useful dimensions	Thermal resistance	Price	Class	Packaging
TOP-P2012	Passive	15 mm	30 mm	200 x 120 cm	0,45 m² K/W	143,00 €/m²	HU	2,40 m²



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- **Gaine isolante >> p. 282,286**
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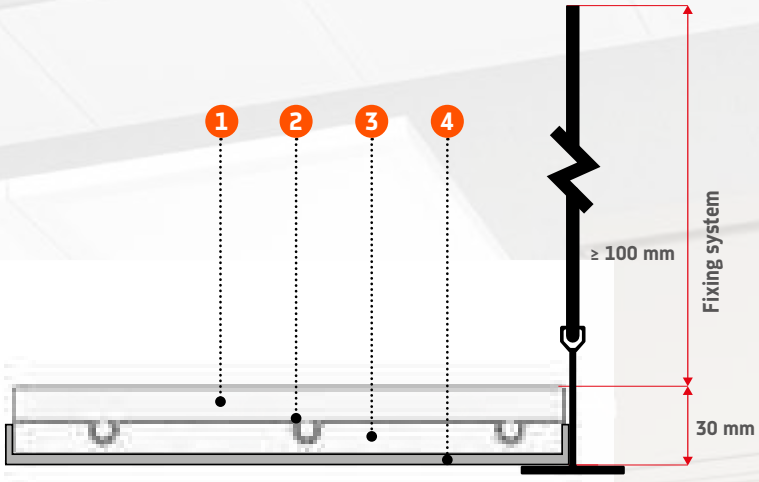
- **Per il fissaggio delle lastre utilizzare viti autofilettanti fosfatata nera RE-VERSO™ per lastre in cartongesso ad alta densità ø 3,9 x 45/55 mm (non fornito da IVAR)**
- *For panels fixing, use RE-VERSO ™ black phosphated self-tapping screws for high density plasterboard sheets ø 3.9 x 45/55 mm (not supplied by IVAR)*
- **Pour fixer les plaques, utilisez les vis autotaraudeuses RE-VERSO™ phosphatées noires pour plaques de plâtre haute densité ø 3,9 x 45/55 mm (non fournies par IVAR)**
- *Verwenden Sie zur Befestigung der Platten RE-VERSO ™ schwarz phosphatierte Blechschrauben für hochdichte Gipskartonplatten ø 3,9 x 45/55 mm (nicht von IVAR geliefert)*
- **Para fijar las láminas, utilice RE-VERSO ™ tornillos autorroscantes fosfatados negros para láminas de cartón yeso de alta densidad ø 3,9 x 45/55 mm (no suministrado por IVAR)**

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Typical application	Tertiary
Supply pipes that can be installed	Ø20/2 mm
Panels available with smooth (L) or micro-drilled (F) surface, in RAL 9016 white	

1. Insulation panel
2. Piping
3. Plasterboard
4. Metal covering panel

FIXING SYSTEM NOT SUPPLIED BY IVAR.



METAL-CLIMA A

- **Quadrotto metallico attivo di finitura per controsoffitti ispezionabili con pannello in cartongesso additivato con fibre di legno dolce e fibre di vetro prefabbricato con tubo PE-RT e isolante in polistirene espanso. Installazione su struttura a vista, nascosta o semina-scosta. Finitura: Bianco RAL 9016.**
  - Classe materiale (UNI EN 13163): EPS 150
  - Conducibilità termica (EN 12667): λd 0,033 W/m K (isolante); λd 0,25 W/m K (lastra)
  - Diametro tubazione di collegamento: 10/1,3
  - Passo tubazione interna (spirale): 5 cm
- *Active metallic finishing square panel for inspectable false ceilings with plasterboard panel with additives of soft wood fibers and glass fibers prefabricated with PE-RT pipe and expanded polystyrene insulation. Installation on visible, hidden or semi-hidden structure. Finish: white RAL 9016.*
  - Material class (UNI EN 13163): EPS 150
  - Thermal conductivity (EN 12667): λd 0.033 W/m K (insulator); λd 0.25 W/m K (sheet)
  - Connection pipe diameter: 10/1.3
  - Internal piping pitch (spiral): 5 cm
- **Panneau de finition métallique actif pour faux-plafonds inspectables avec panneau en plaques de plâtre avec additifs en fibres de bois tendre et fibres de verre préfabriqués avec tube PE-RT et isolation en polystyrène expansé. Installation sur structure visible, cachée ou semi-cachée. Finition : Blanc RAL 9016.**
  - Classe de matériau (UNI EN 13163) : EPS 150
  - Conductivité thermique (EN 12667) : λd 0,033 W/m K (isolant) ; λd 0,25 W/m K (feuille)
  - Diamètre du tuyau de raccordement : 10/1,3
  - Pas de tuyauterie interne (spirale) : 5 cm
- *Aktive metallische Abschlussplatte für inspizierfähige Zwischendecken mit Gipskartonplatte mit Zusätzen von Weichholzfasern und Glasfasern, vorgefertigt mit PE-RT-Rohr und expandierter Polystyrolisolierung. Installation auf sichtbarer, verdeckter oder halbverdeckter Struktur. Ausführung: Weiß RAL 9016.*
  - Materialklasse (UNI EN 13163): EPS 150
  - Wärmeleitfähigkeit (EN 12667): λd 0,033 W/m K (Isolator); λd 0,25 W/m K (Blatt)
  - Anschlussrohrdurchmesser: 10/1,3
  - Interner Rohrleitungsabstand (Spirale): 5 cm
- **Panel de acabado metálico activo para falsos techos inspeccionables con panel de yeso con aditivos de fibras de madera blanda y fibras de vidrio prefabricadas con tubo PE-RT y aislamiento de poliestireno expandido. Instalación sobre estructura visible, oculta o semioculta. Acabado: Blanco RAL 9016.**
  - Clase de material (UNI EN 13163): EPS 150
  - Conductividad térmica (EN 12667): λd 0.033 W/m K (aislante); λd 0,25 W/m K (hoja)
  - Diámetro del tubo de conexión: 10/1,3
  - Paso de tubería interna (espiral): 5 cm

Code	Panel type	Insulation thickness	Total thickness	Useful dimensions	Thermal resistance	Finishing	Price	Class	Packaging
METAL-AL	Active	15 mm	30 mm	60 x 60 cm	0,45 m² K/W	Smooth	266,80 €/m²	HU	0,36 m²
METAL-AF	Active	15 mm	30 mm	60 x 60 cm	0,45 m² K/W	Drilled	276,10 €/m²	HU	0,36 m²

METAL-CLIMA P

- **Quadrotto metallico passivo di finitura per controsoffitti ispezionabili con pannello in cartongesso additivato con fibre di legno dolce e fibre di vetro prefabbricato con isolante in polistirene espanso. Installazione su struttura a vista, nascosta o seminascosta. Finitura: bianco RAL 9016.**
  - Classe materiale (UNI EN 13163): EPS 150
  - Conducibilità termica (EN 12667): λd 0,033 W/m K (isolante); λd 0,25 W/m K (lastra)
- *Passive metal finishing square panel for inspectable false ceilings with plasterboard panel with additives of soft wood fibers and prefabricated glass fibers with expanded polystyrene insulation. Installation on visible, hidden or semi-hidden structure. Finish: white RAL 9016.*
  - Material class (UNI EN 13163): EPS 150
  - Thermal conductivity (EN 12667): λd 0.033 W/m K (insulator); λd 0.25 W/m K (sheet)
- **Panneau de finition métallique passive pour faux-plafonds inspectables avec panneau en plaques de plâtre additionné de fibres de bois tendre et de fibres de verre préfabriquées avec isolation en polystyrène expansé. Installation sur structure visible, cachée ou semi-cachée. Finition : blanc RAL 9016.**
  - Classe de matériau (UNI EN 13163) : EPS 150
  - Conductivité thermique (EN 12667) : λd 0,033 W/m K (isolant) ; λd 0,25 W/m K (feuille)
- *Passive Metallabschlussplatte für inspizierfähige Zwischendecken mit Gipskartonplatte mit Zusätzen von Weichholzfasern und vorgefertigten Glasfasern mit expandierter Polystyrolisolierung. Installation auf sichtbarer, verdeckter oder halbverdeckter Struktur. Ausführung: weiß RAL 9016.*
  - Materialklasse (UNI EN 13163): EPS 150
  - Wärmeleitfähigkeit (EN 12667): λd 0,033 W/m K (Isolator); λd 0,25 W/m K (Blatt)
- **Panel de acabado metálico pasivo para falsos techos inspeccionables con panel de yeso con aditivos de fibras de madera blanda y fibras de vidrio prefabricadas con aislamiento de poliestireno expandido. Instalación sobre estructura visible, oculta o semioculta. Acabado: blanco RAL 9016.**
  - Clase de material (UNI EN 13163): EPS 150
  - Conductividad térmica (EN 12667): λd 0.033 W/m K (aislante); λd 0,25 W/m K (hoja)

Code	Panel type	Insulation thickness	Total thickness	Useful dimensions	Thermal resistance	Finishing	Price	Class	Packaging
METAL-PL	Passive	15 mm	30 mm	60 x 60 cm	0,45 m² K/W	Smooth	266,80 €/m²	HU	0,36 m²
METAL-PF	Passive	15 mm	30 mm	60 x 60 cm	0,45 m² K/W	Drilled	276,10 €/m²	HU	0,36 m²



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- **Guaina isolante >> p. 282,286**
- *Insulating sheath >> p. 282,286*
- **Gaine isolante >> p. 282,286**
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ACCESSORIES FOR FLOOR SYSTEMS

REGCU



- **Reggicurva di sostegno per protezione tubazioni.**
- *Holding bend for pipe protection.*
- **Courbe de support pour la protection des tuyaux.**
- *Stützkurve für den Rohrschutz.*
- **Curva de soporte para protección de tubería.**

Code	Pipe	Price	Class	Packaging
REGCU-17	Ø16 - Ø17 mm	2,543 €	HP	50
REGCU-20	Ø20 mm	3,287 €	HP	50
REGCU-25	Ø25 mm	3,892 €	HP	50

ISOL



- **Guaina isolante per tubazioni.**
- *Insulating sheath for pipes.*
- **Gaine isolante pour tuyaux.**
- *Isoliermantel für Rohre.*
- **Vaina aislante para tubos.**

Code	Insulation thickness	Pipe	Price	Class	Packaging
ISOL-17	6 mm	Ø16 - Ø17 mm	1,627 €/m	HP	2 m
ISOL-20	6 mm	Ø20 mm	1,74 €/m	HP	2 m
ISOL-25	6 mm	Ø25 mm	2,034 €/m	HP	2 m

FAS-SLIM



- **Fascia perimetrale con adesivo parziale e bandella adesiva.**
- *Perimeter edging with partial adhesive and adhesive strip.*
- **Bande périmétrique avec adhésif partiel et bande adhésive.**
- *Umfangsband mit Teilkleber und Klebestreifen.*
- **Banda perimetral con adhesivo parcial y tira adhesiva.**

Code	Size	Color	Price	Class	Packaging
FAS-080L	80 x 6 mm		3,887 €/m	HP	25 m

FAS



- **Fascia perimetrale con adesivo parziale e bandella.**
- *Perimeter edging with partial adhesive and strip.*
- **Bande périmétrique avec adhésif partiel et bande.**
- *Umfangsband mit Teilkleber und Streifen.*
- **Banda perimetral con adhesivo parcial y tira.**

Code	Size	Color	Price	Class	Packaging
FAS-150	150 x 8 mm		2,271 €/m	HP	50 m

FAS-INDUSTRY



- **Fascia perimetrale con adesivo parziale.**
- *Perimeter edging with partial adhesive.*
- **Bande périmétrique avec adhésif partiel.**
- *Umfangsband mit Teilkleber.*
- **Banda perimetral con adhesivo parcial.**

Code	Size	Color	Price	Class	Packaging
FAS-300	300 x 10 mm		4,328 €/m	HP	50 m

GIU



- **Giunto di dilatazione.**
- *Expansion joint.*
- **Joint de dilatation.**
- *Dehnfuge.*
- **Junta de dilatación.**

Code	Size	Price	Class	Packaging
GIU-90	90 x 2000 mm	11,23 €/m	HP	2 m

SOUND



- **Isolante acustico per sistemi a pavimento con massetto tradizionale, ΔLw = 30,3 dB (UNI EN ISO 10140-3:2021).**
- *Sound absorbing panel for floor systems with traditional screed, ΔLw = 30.3 dB (UNI EN ISO 10140-3: 2021).*
- **Panneau absorbant acoustique pour les systèmes à plancher avec chape traditionnelle, ΔLw = 30,3 dB (UNI EN ISO 10140-3 : 2021).**
- *Geräuschdämmende Platte für Bodensysteme mit herkömmlichem Estrich, ΔLw = 30,3 dB (UNI EN ISO 10140-3: 2021).*
- **Panel fonoabsorbente para sistemas de suelo con solera tradicional, ΔLw = 30,3 dB (UNI EN ISO 10140-3: 2021).**

Code	Size	Insulation thickness	Price	Class	Packaging
SOUND-09	1,3 x 50 m	9 mm	14,41 €/m²	HP	65 m²

ISOL-SOUND



- **Nastro adesivo termoacustico per pannello SOUND.**
- *Thermo-acoustic adhesive tape for SOUND panel.*
- **Ruban adhésif thermo-acoustique pour panneau SOUND.**
- *Thermoakustisches Klebeband für SOUND Panel.*
- **Cinta adhesiva termoacústica para panel SOUND.**

Code	Insulation thickness	Width	Price	Class	Packaging
ISOL-SOUND	3 mm	100 mm	2,124 €/m	HP	25 m

RP 5700



- **Raccordo diritto per tubo in polietilene per riparazione circuito, compatibile con pinza TH.**
- *Straight fitting for polyethylene pipe for circuit repair, suitable for TH jaw.*
- **Raccord droit pour tube en polyéthylène pour la réparation des circuits, adaptée pour pince TH.**
- *Kupplung für Polyäthylen-Rohr zur Schaltungsreparatur, geeignet für Zange TH.*
- **Racor recto para tubo de polietileno para la reparación del circuito, adecuado para pinza TH.**

Code	Size	Price	Class	Packaging
510201	17/2 x 17/2	7,45 €	HP	40 / 320

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BU



- **Barriera umidità, spessore 200 µm.**
- *Humidity barrier, thickness 200 µm.*
- **Barrière humidité, épaisseur 200 µm.**
- *Feuchtigkeitsbarriere, Dicke 200 µm.*
- **Barrera contra la humedad, espesor 200 µm.**

Code	Size	Price	Class	Packaging
BU-100	2 x 50 m	2,552 €/m²	HP	100 m²

NET-FLAT



- **Rete elettrosaldata piana.**
- *Electro welded flat net.*
- **Grille électrosoudée plane.**
- *Flaches Schweißgitter.*
- **Red electrosoldada plana.**

Code	Size	Price	Class	Packaging
RE-50F2	50 x 50 mm - Ø2 mm	6,35 €/m²	HP	40 m²

CLIP03



- **Cavallotto fissarete.**
- *Stand for net.*
- **Crampillon de fixation grillage.**
- *Gitterklemme.*
- **Perno en u para fijación de red.**

Code	OC distance	Price	Class	Packaging
CLIP03	75 mm	0,273 €	HP	100

CLIP-MAN



- **Graffetta per fissaggio tubo manuale.**
- *Clip for manual pipe fixing.*
- **Agrafe pour fixage tuyau manuel.**
- *Rohrklammer manuell.*
- **Grapa de fijación tubo manual.**

Code	Pipe	Price	Class	Packaging
CLIP20	≤ Ø20 mm	0,166 €	HP	100

HD09



- **Attrezzo per fissaggio tubo automatico con graffette CLIP20AUT.**
- *Clip gun for automatic pipe fixing with CLIP20AUT.*
- **Outil pour le fixage du tuyau automatique avec les agrafes CLIP20AUT.**
- *Automatisches Rohrbefestigungswerkzeug für Klammern CLIP20AUT.*
- **Herramienta para fijación tubo automática con grapas CLIP20AUT.**

Code	Price	Class	Packaging
HD09	461,77 €	HP	1

CLIP-AUT



- **Graffetta per fissaggio tubo automatico.**
- *Clip for automatic pipe fixing.*
- **Agrafe pour fixage tuyau automatique.**
- *Rohrklammer Automatik.*
- **Grapa de fijación tubo automática.**

Code	Pipe	Price	Class	Packaging
CLIP20AUT	≤ Ø20 mm	0,214 €	HP	100

CLIP-FLAT 17



- **Clip fermatubo manuale per rete.**
- *Manual pipe clamping clip for net.*
- **Clip arret-tuyau manuel pour grille.**
- *Manueller Rohrhalterungsclip für Gitter.*
- **Pinza sujeta tubo manual para red.**

Code	Pipe	Net	Price	Class	Packaging
CLIP17F3	Ø16 - Ø17 mm	Ø2 - Ø3 mm	0,356 €	HP	100

CLIP-FLAT 20



- **Clip fermatubo manuale per rete.**
- *Manual pipe clamping clip for net.*
- **Clip arret-tuyau manuel pour grille.**
- *Manueller Rohrhalterungsclip für Gitter.*
- **Pinza sujeta tubo manual para red.**

Code	Pipe	Net	Price	Class	Packaging
CLIP20F3	Ø20 mm	Ø2 - Ø3 mm	0,356 €	HP	100

CLIP-FLAT 25



- **Clip fermatubo manuale per rete.**
- *Manual pipe clamping clip.*
- **Clip arret-tuyau manuel.**
- *Manueller Rohrhalterungsclip.*
- **Pinza sujeta tubo manual.**

Code	Pipe	Net	Price	Class	Packaging
CLIP25F6	Ø25 mm	Ø3 - Ø6 mm	0,38 €	HP	100

CLIP-NET



- **Fissatubo manuale per rete.**
- *Manual pipe fastener for net.*
- **Arret-tuyau manuel pour grille.**
- *Manueller Rohrhalterung für Gitter.*
- **Sujeta-tubo manual para red.**

Code	Pipe	Net	Price	Class	Packaging
CLIP2025F8	Ø20 - Ø25 mm	Ø3 - Ø8 mm	0,463 €	HP	100

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BIN



- **Binario con biadesivo per ancoraggio tubi. Interasse minimo di posa tubazioni: 50 mm.**
- *Rail with double-sided tape for pipes anchoring. Minimum distance for pipe placement 50 mm.*
- **Binaires avec ruban adhésif double face pour ancrage des tuyaux. Entraxe minimum de pose tuyauterie: 50 mm.**
- *Schiene mit doppelseitigem Klebeband für Rohrverankerung. Minimum Achsabstand für Verlegung von Rohrleitungen: 50 mm.*
- **Binario con cinta adhesiva de doble cara para el anclaje de las tuberías. Intereje mínimo para colocar las tuberías: 50 mm.**

Code	Pipe	Length	Price	Class	Packaging
BIN-17B	Ø16 - Ø17 mm	2 m	3,921 €/m	HP	32 m

BIN-INDUSTRY



- **Binario con biadesivo per ancoraggio tubi. Interasse minimo di posa tubazioni: 50 mm.**
- *Rail with double-sided tape for pipes anchoring. Minimum distance for pipe placement 50 mm.*
- **Binaires avec ruban adhésif double face pour ancrage des tuyaux. Entraxe minimum de pose tuyauterie: 50 mm.**
- *Schiene mit doppelseitigem Klebeband für Rohrverankerung. Minimum Achsabstand für Verlegung von Rohrleitungen: 50 mm.*
- **Binario con cinta adhesiva de doble cara para el anclaje de las tuberías. Intereje mínimo para colocar las tuberías: 50 mm.**

Code	Pipe	Length	Price	Class	Packaging
BIN-20B50	Ø20 mm	2 m	4,701 €/m	HP	2 / 32 m
BIN-25B50	Ø25 mm	2 m	6,79 €/m	HP	2 / 32 m

FIB



- **Fibre di rinforzo per massetti in calcestruzzo.**
- *Reinforcement fibres for concrete screeds.*
- **Fibres de renfort pour chapes en beton.**
- *Verstärkungsfasern für Beton-Versiegelungsschicht.*
- **Fibras de refuerzo para soleras de hormigón.**

Code	Dosage	Price	Class	Packaging
FIB-12	0,6 - 1,8 kg/m³	17,52 €	HP	1

ADD-M



- **Additivo per massetti in calcestruzzo.**
- *Additive for concrete screeds.*
- **Additif pour chapes en béton.**
- *Zusatzstoff für Beton-Versiegelungsschicht.*
- **Aditivo para contra-pisos de hormigón.**

Code	Dosage	Price	Class	Packaging
ADD-10M	1 l / 100 kg concrete	4,746 €/l	HP	10 l

IV 100 LT



- **Additivo inibitore antiincrostante per impianti a bassa temperatura.**
- *Anti-scaling inhibitor additive for low temperature systems.*
- **Additif inhibiteur anti-incrustant pour les systèmes à basse température.**
- *Anti-Kesselstein-Hemmender Zusatzstoff für Niedertemperatursysteme.*
- **Aditivo antiincrustante inhibidor para sistemas de baja temperatura.**

Code	Size	Price	Class	Packaging
IV100LT	1 l	47,50 €/l	TI	1 l

IV 400



- **Additivo risanante.**
- *Sanitizing additive.*
- **Additif désembouant.**
- *Schlammentferner.*
- **Aditivo restaurativo.**

Code	Size	Price	Class	Packaging
IV400	1 l	52,40 €/l	TI	1 l

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ACCESSORIES FOR CEILING SYSTEMS

PPSU1



- **Raccordo diritto ad innesto rapido per tubo PE-X 20/2.**
- *Quick coupling straight connector for 20/2 PE-X pipe.*
- **Raccord droit à enclenchement rapide pour tuyau PE-X 20/2.**
- *Gerader Anschluss mit Schnellkupplung für PE-X-Rohr 20/2.*
- **Racor recto de conexión rápida para tubo PE-X 20/2.**

Code	Size	Price	Class	Packaging
PPSU1RV	20/2 x 20/2	6,37 €	IX	10

PPSU2



- **Raccordo diritto ad innesto rapido per tubo PE-RT 10/1,3.**
- *Quick coupling straight connector for 10/1,3 PE-RT pipe.*
- **Raccord droit à enclenchement rapide pour tuyau PE-RT 10/1,3.**
- *Gerader Anschluss mit Schnellkupplung für PE-RT-Rohr 10/1,3.*
- **Racor recto de conexión rápida para tubo PE-RT 10/1,3.**

Code	Size	Price	Class	Packaging
PPSU2RV	10/1,3 x 10/1,3	1,97 €	IX	10

PPSU3



- **Raccordo a T ad innesto rapido per tubo PE-X 20/2.**
- *Quick coupling T-connector for 20/2 PE-X pipe.*
- **Raccord en T à enclenchement rapide pour tuyau PE-X 20/2.**
- *T-Anschluss mit Schnellkupplung für PE-X-Rohr 20/2.*
- **Racor en T con conexión rápida para tubo PE-X 20/2.**

Code	Size	Price	Class	Packaging
PPSU3RV	20/2 x 20/2 x 20/2	9,44 €	IX	10

PPSU4



- **Raccordo a T ridotto ad innesto rapido per tubo PE-X 20/2 e tubo PE-RT 10/1,3.**
- *Reduced quick coupling T-connector for 20/2 PE-X pipe and 10/1,3 PE-RT pipe.*
- **Raccord en T réduit à enclenchement rapide pour tuyau PE-X 20/2 et tuyau PE-RT 10/1,3.**
- *Reduzierter T-Anschluss mit Schnellkupplung für PE-X-Rohr 20/2 und PE-RT-Rohr 10/1,3.*
- **Racor en T reducido con conexión rápida para tubo PE-X 20/2 y tubo PE-RT 10/1,3.**

Code	Size	Price	Class	Packaging
PPSU4RV	20/2 x 10/1,3 x 20/2	7,06 €	IX	10

PPSU5



- **Raccordo a croce ridotto ad innesto rapido per tubo PE-X 20/2 e tubo PE-RT 10/1,3.**
- *Reduced quick coupling cross-connector for 20/2 PE-X pipe and 10/1,3 PE-RT pipe.*
- **Raccord à croix réduit à enclenchement rapide pour tuyau PE-X 20/2 et tuyau PE-RT 10/1,3.**
- *Reduzierter Kreuz-Anschluss mit Schnellkupplung für PE-X-Rohr 20/2 und PE-RT-Rohr 10/1,3.*
- **Racor en cruz reducido con conexión rápida para tubo PE-X 20/2 y tubo PE-RT 10/1,3.**

Code	Size	Price	Class	Packaging
PPSU5RV	20/2 x 10/1,3 x 20/2 x 10/1,3	12,97 €	IX	10

PPSU6



- **Raccordo ad angolo ridotto ad innesto rapido per tubo PE-X 20/2 e tubo PE-RT 10/1,3.**
- *Reduced quick coupling angle-connector for 20/2 PE-X pipe and 10/1,3 PE-RT pipe.*
- **Raccord à angle réduit à enclenchement rapide pour tuyau PE-X 20/2 et tuyau PE-RT 10/1,3.**
- *Reduzierter Winkel mit Schnellkupplung für PE-X-Rohr 20/2 und PE-RT-Rohr 10/1,3.*
- **Racor codo reducido con conexión rápida para tubo PE-X 20/2 y tubo PE-RT 10/1,3.**

Code	Size	Price	Class	Packaging
PPSU6RV	20/2 x 10/1,3	6,37 €	IX	10

PPSU7



- **Anello di tenuta per tubo PE-X 20/2.**
- *Sealing ring for 20/2 PE-X pipe.*
- **Bague d'étanchéité pour tuyau PE-X 20/2.**
- *Dichtungsring für PE-X-Rohr 20/2.*
- **Anillo de sellado para tubo PE-X 20/2.**

Code	Size	Price	Class	Packaging
PPSU7RV	20/2	2,017 €	IX	50

PPSU8



- **Anello di tenuta per tubo PE-RT 10/1,3.**
- *Sealing ring for 10/1,3 PE-RT pipe.*
- **Bague d'étanchéité pour tuyau PE-RT 10/1,3.**
- *Dichtungsring für PE-RT-Rohr 10/1,3.*
- **Anillo de sellado para tubo PE-RT 10/1,3.**

Code	Size	Price	Class	Packaging
PPSU8RV	10/1,3	1,104 €	IX	50

PPSU9



- **Raccordo ad angolo ad innesto rapido per tubo PE-X 20/2.**
- *Quick coupling angle-connector for 20/2 PE-X pipe.*
- **Raccord à angle à enclenchement rapide pour tuyau PE-X 20/2.**
- *Winkel mit Schnellkupplung für PE-X-Rohr 20/2.*
- **Racor codo con conexión rápida para tubo PE-X 20/2.**

Code	Size	Price	Class	Packaging
PPSU9RV	20/2 x 20/2	7,06 €	IX	10

ISOL-PPSU



- **Isolante per raccordi.**
- *Insulation for fittings.*
- **Isolation pour les raccords.**
- *Isolierung für Kupplungen.*
- **Aislante para racores.**

Code	Insulation thickness	Length	Price	Class	Packaging
ISOL-RACC	3 mm	10 m	1,48 €/m	HP	10 m

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ISOL



- **Guaina isolante per tubazioni.**
- *Insulating sheath for pipes.*
- **Gaine isolante pour tuyaux.**
- *Isoliermantel für Rohre.*
- **Vaina aislante para tubos.**

Code	Insulation thickness	Pipe	Price	Class	Packaging
ISOL-10	6 mm	Ø10 mm	1,266 €/m	HP	2 m
ISOL-17	6 mm	Ø16 - Ø17 mm	1,627 €/m	HP	2 m
ISOL-20	6 mm	Ø20 mm	1,74 €/m	HP	2 m
ISOL-25	6 mm	Ø25 mm	2,034 €/m	HP	2 m

FAS-SR



- **Fascia perimetrale con adesivo parziale per sistemi a soffitto.**
- *Perimeter edging with partial adhesive for ceiling systems.*
- **Bande périmétrique avec adhésif partiel pour les systèmes à plafond.**
- *Umfangsband mit Teilkleber für Deckensysteme.*
- **Banda perimetral con adhesivo parcial para sistemas de techo.**

Code	Size	Color	Price	Class	Packaging
FAS-150SR	150 x 3,3 mm	☐	2,441 €/m	HP	50 m

ATR01-07



- **Utensile manuale per svasamento tubazione (senza espansore).**
- *Manual pipe flaring tool (without expanding jaw).*
- **Outil manuel pour l'évasement du tuyau (sans expanseur).**
- *Manuelles Werkzeug für Rohrkanten entgraten (ohne Expander).*
- **Herramienta manual para el abocardado del tubo (sin expansor).**

Code	Size	Price	Class	Packaging
ATR01-PPSU	Manual	571,78 €	IX	1
ATR07-PPSU	Battery Powered	4.112,65 €	IX	1

ATR02/03



- **Espansore per tubo multistrato/polietilene.**
- *Expanding jaw for multilayer/polyethylene pipe.*
- **Expanseur pour tuyau multicouche et en polyéthylène.**
- *Expander für Verbundrohr und Polyethylenrohr.*
- **Expansor para tubo multicapa y tubo de polietileno.**

Code	Size	Price	Class	Packaging
ATR02-PPSU	10/1,3	205,83 €	IX	1
ATR03-PPSU	20/2	205,83 €	IX	1

ATR04



- **Utensile di serraggio (senza pinza meccanica).**
- *Pressure sleeve tool (without pressure jaw).*
- **Outil de serrage (sans pince mécanique).**
- *Spannwerkzeug (ohne mechanische Zange).*
- **Herramienta de apriete (sin pinza mecánica).**

Code	Price	Class	Packaging
ATR04-PPSU	377,37 €	IX	1

ATR05/06



- **Coppia di pinze meccaniche per tubo multistrato/polietilene.**
- *Pair of pressure jaws for multilayer/polyethylene pipe.*
- **Paire de pinces mécaniques pour tuyau multicouche et en polyéthylène.**
- *Paar mechanische Zangen für Verbundrohr und Polyethylenrohr.*
- **Par de pinzas mecánicas para tubo multicapa y tubo de polietileno.**

Code	Size	Price	Class	Packaging
ATR05-PPSU	10/1,3	205,83 €	IX	1
ATR06-PPSU	20/2	162,99 €	IX	1

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DEHUMIDIFIERS

DEU-S



- **Deumidificatore da incasso a controsoffitto.**
- *Recessed ceiling dehumidifier.*
- **Déshumidificateur à encastrement pour faux plafond.**
- *Luftentfeuchter für Deckeneinbau.*
- **Deshumidificador empotrado para falso techo.**

Code	Air flow rate	Price	Class	Packaging
D300	300 m³/h	2.401,25 €	ZD	1
D550	550 m³/h	4.124,50 €	ZD	1
D1000	1100 m³/h	7.627,50 €	ZD	1

DEUCL-S



- **Deu-climatizzatore da incasso a controsoffitto con batteria integrativa.**
- *Recessed ceiling dehumidifier/air conditioner with additional battery.*
- **Déshumidificateur/climatiseur à encastrement pour faux plafond avec batterie supplémentaire.**
- *Luftentfeuchter/Klimaanlage mit Zusatzwärmetauscher für Deckeneinbau.*
- **Deshumidificador/aire acondicionado empotrado para falso techo con batería adicional.**

Code	Air flow rate	Price	Class	Packaging
DCL300	300 m³/h	3.209,20 €	ZD	1
DCL550	550 m³/h	6.045,50 €	ZD	1
DCL1000	1100 m³/h	10.057,00 €	ZD	1

SIL



- **Deumidificatore da incasso a controsoffitto senza compressore.**
- *Recessed ceiling dehumidifier without compressor.*
- **Déshumidificateur à encastrement sans compresseur pour faux plafond.**
- *Luftentfeuchter ohne Kompressor für Deckeneinbau.*
- **Deshumidificador empotrado sin compresor para falso techo.**

Code	Air flow rate	Price	Class	Packaging
SIL300	300 m³/h	3.107,50 €	ZD	1

SIL-CL



- **Deu-climatizzatore da incasso a controsoffitto senza compressore.**
- *Recessed ceiling dehumidifier/air conditioner without compressor.*
- **Déshumidificateur/climatiseur à encastrement sans compresseur pour faux plafond.**
- *Luftentfeuchter/Klimaanlage ohne Kompressor für Deckeneinbau.*
- **Deshumidificador/aire acondicionado empotrado sin compresor para falso techo.**

Code	Air flow rate	Price	Class	Packaging
SIL300CL	300 m³/h	3.808,10 €	ZD	1

DEU-VMC



- **Deumidificatore da incasso a controsoffitto con recuperatore di calore ad alta efficienza.**
- *Recessed ceiling dehumidifier with high efficiency heat recovery.*
- **Déshumidificateur à encastrement pour faux plafond avec récupération de chaleur à haut rendement.**
- *Luftentfeuchter für Deckeneinbau mit Wärmerückgewinnung mit hoher Effizienz.*
- **Deshumidificador para empotrar en falso techo con recuperador de calor y alta eficiencia.**

Code	Total air flow rate	Fresh air flow rate	Price	Class	Packaging
DCL-VMC300	300 m³/h	150 m³/h	On request	ZD	1
DCL-VMC500	500 m³/h	250 m³/h	On request	ZD	1
DCL-VMC750	750 m³/h	500 m³/h	On request	ZD	1

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DEU-P 300



- **Deumidificatore da incasso a parete.**
- *Recessed wall dehumidifier.*
- **Déshumidificateur à encastrement mural.**
- *In die Wand eingebauter Luftentfeuchter.*
- **Deshumidificador para empotrar en pared.**

Code	Air flow rate	Price	Class	Packaging
D300P	300 m³/h	2.486,00 €	ZD	1

DEU-P 120



- **Deumidificatore da incasso a parete.**
- *Recessed wall dehumidifier.*
- **Déshumidificateur à encastrement mural.**
- *In die Wand eingebauter Luftentfeuchter.*
- **Deshumidificador para empotrar en pared.**

Code	Air flow rate	Price	Class	Packaging
D120P	120 m³/h	On request	ZD	1

DEUCL-P



- **Deu-climatizzatore da incasso a parete con batteria integrativa.**
- *Recessed wall dehumidifier/air conditioner with additional battery.*
- **Déshumidificateur/climatiseur à encastrement mural avec batterie supplémentaire.**
- *In die Wand eingebauter Luftentfeuchter/Klimaanlage mit Zusatzwärmetauscher.*
- **Deshumidificador/aire acondicionado para empotrar en pared con batería adicional.**

Code	Air flow rate	Price	Class	Packaging
DCL300P	300 m³/h	3.412,60 €	ZD	1

MOB 00 P



- **Mobile esterno a parete per deumidificatore.**
- *External wall furniture for dehumidifier.*
- **Meuble extérieur mural pour déshumidificateur.**
- *Außenwandschrank für Luftentfeuchter.*
- **Mueble externo de pared para deshumidificador.**

Code	Module	Price	Class	Packaging
MOB300P	D300P - DCL300P	1.638,50 €	ZD	1

CASS 00 P



- **Controcassa per deumidificatore da incasso a parete.**
- *Casing for recessed wall dehumidifier.*
- **Caisson pour déshumidificateur à encastrement mural.**
- *Gehäuse für in die Wand eingebauter Luftentfeuchter.*
- **Caja para deshumidificador para empotrar en pared.**

Code	Module	Price	Class	Packaging
CASS200P	D120P	327,70 €	ZD	1
CASS300P	D300P - DCL300P	363,86 €	ZD	1

GRF 00 P

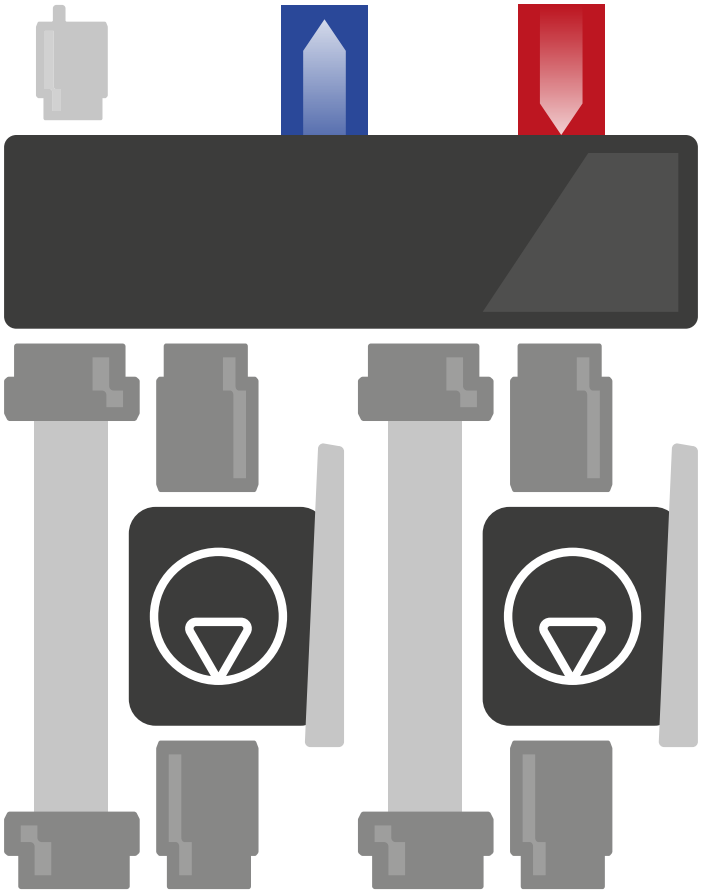


- **Griglia frontale per deumidificatore da incasso a parete.**
- *Front grill for recessed wall dehumidifier.*
- **Grille frontale pour déshumidificateur à encastrement mural.**
- *Frontgitter für in die Wand eingebauter Luftentfeuchter.*
- **Rejilla frontal para deshumidificador para empotrar en pared.**

Code	Module	Suitable Cabinet	Price	Class	Packaging
GRF200P	D120P	CASS200P	395,50 €	ZD	1
GRF300P	D300P - DCL300P	CASS300P	519,80 €	ZD	1

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THERMAL POWER STATION



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DIRTSTOP® EASY - Defangatore magnetico a montaggio facilitato
DIRTSTOP® EASY - Magnetic dirt separator with easy assembly
DIRTSTOP® EASY - Pot à boue magnétique à montage facile
DIRTSTOP® EASY - Magnetischer Schlammabscheider mit einfacher Montage
DIRTSTOP® EASY - Desfangador magnético de fácil montaje 292



DIRTSTOP® - Defangatore magnetico con filtro
DIRTSTOP® - Magnetic dirt separator with strainer
DIRTSTOP® - Pot à boue magnétique avec filtre
DIRTSTOP® - Magnetischer Schlammabscheider mit Filter
DIRTSTOP® - Desfangador magnético con filtro 294



DIRTSTOP® XL - Defangatore magnetico a triplice azione filtrante
DIRTSTOP® XL - Magnetic dirt separator with triple filtering action
DIRTSTOP® XL - Pot à boue magnétique à triple action de filtrage
DIRTSTOP® XL - Magnetischer Schlammabscheider mit dreifach wirkender Filtration
DIRTSTOP® XL - Desfangador magnético con filtración de triple acción 298



POLIFEMO® - Dosatore di polifosfati e silicati
POLIFEMO® - Polyphosphates and silicates doser
POLIFEMO® - Filtre anticalcaire et polyphosphates pour chaudière
POLIFEMO® - Polyphosphaten- und Silikatenspender
POLIFEMO® - Dispensador de polifosfatos y silicatos 302



BRIX - Neutralizzatore di condensa acida
BRIX - Acid condensate neutralizer
BRIX - Neutralisant de condensat acide
BRIX - Säurekondensat-Neutralisator
BRIX - Neutralizador de condensados ácidos 306



MULTIMIX - Sistema compatto di distribuzione sottocaldaia
MULTIMIX - Compact boiler distribution system
MULTIMIX - Système compact de distribution sous-chaudière
MULTIMIX - Kompakt-Verteilersystem Kesselunterbau
MULTIMIX - Sistema compacto de distribución bajo caldera 308



MULTIMIX•C - Sistema compatto di distribuzione sottocaldaia
MULTIMIX•C - Compact boiler distribution system
MULTIMIX•C - Système compact de distribution sous-chaudière
MULTIMIX•C - Kompakt-Verteilersystem Kesselunterbau
MULTIMIX•C - Sistema compacto de distribución bajo caldera 316



Accessori per sistemi compatti di distribuzione sottocaldaia MULTIMIX - MULTIMIX•C
Accessories for compact boiler distribution systems MULTIMIX - MULTIMIX•C
Accessoires pour systèmes compact de distribution sous-chaudière MULTIMIX - MULTIMIX•C
Zubehör für Kompakt-Verteilersysteme Kesselunterbau MULTIMIX - MULTIMIX•C
Accesorios para sistemas compactos de distribución bajo caldera MULTIMIX - MULTIMIX•C 321



VARIMIX - Sistema modulare ad alte portate per centrali termiche
VARIMIX - High flow rate modular system for thermal power stations
VARIMIX - Système modulaire à haut débit pour centrales thermiques
VARIMIX - Modulares Hochstromsystem für Heizungsanlagen
VARIMIX - Sistema modular de alto caudal para centrales térmicas 324



Accumulatori
Storage tanks
Réservoirs d'accumulation
Speicher
Acumuladores 329



Valvole miscelatrici assiali termostatizzabili per elevate portate
Thermostatic axial mixing valves for high flow capacity
Vannes mélangeuses axiales thermostatisables pour débit élevé
Axiale Thermostat-Mischventile für erhöhte Durchfluss
Válvulas mezcladoras axiales termostatizables para caudales elevados
336



Valvole miscelatrici assiali termostatizzabili
Thermostatic axial mixing valves
Vannes mélangeuses axiales thermostatisables
Axiale Thermostat-Mischventile
Válvulas mezcladoras axiales termostatizables
337



Valvole miscelatrici a settore
Rotor mixing valves
Vannes mélangeuses à rotor
Rotor-Mischventile
Válvulas mezcladoras de rotor
338



Valvole di sicurezza per riscaldamento
Safety valves for heating applications
Soupapes à pression de sécurité pour chauffage
Sicherheitsventile für Heizung
Válvulas de seguridad para calefacción
342



Gruppi di alimentazione automatici
Automatic filling groups
Groupes d'alimentation automatiques
Hauswasserstationen
Grupos de alimentación automáticos
343



Valvole di bypass differenziale
Bypass differential valves
Vannes de by-pass différentielles
Differenziale Bypass-Ventile
Válvulas de bypass diferenciales
344

DIRTSTOP® EASY

The metal parts of the heating system are subject to corrosion effects, which release ferrous impurities into the water. Other impurities may also be present, for example due to limescale. These impurities tend to accumulate in the system parts with reduced transit sections, causing obstructions, noise or other malfunctions. DirtSTOP® Easy helps keep heating systems in the best possible condition thanks to the combined action of a **stainless-steel filter strainer** with 800 µm filter mesh and a **powerful 12,000 gauss magnet**. Regular cleaning of the filter is a fast and safe procedure which does not require draining down the system.
The new DirtSTOP® Easy is **revolutionary as it comes ready to install**: install it however you want, straight out of the box. **In any installation position, either horizontal or vertical and with any connection used, it always offers the best possible performance**, without any additional configuration. Install it straight out of the box – what could be easier? What's more, its **super-compact** dimensions are perfect for installation under the boiler, even when space is very limited.
The material it is made from, called IXEF®, is a **technopolymer with exceptional mechanical performance**, comparable to brass for this type of application, with the added advantage of being lighter.
DirtSTOP® Easy is available with ¾" connections in black or white.

Materials:
Body: technopolymer IXEF®
Shut-off ball valves: CW617N brass
Swivel fitting: CW617N brass
Caps: CW617N brass
Sealing elements: peroxide-cured EPDM

Technical specifications:
Fluid temperature: 0-90 °C
Maximum operating pressure: 3 bar
Flow coefficient (Kv): • Straight position: 5.5 m^3/h
• 90 ° position: 6.5 m^3/h
Maximum flow rate (calculated with ΔP = 0.1 bar):
• 1.74 m^3/h straight configuration
• 2.06 m^3/h 90 ° configuration
Mesh strainer: 800 µm in stainless steel AISI 304
Compatible fluids: water or glycol solution (max 50%)
Magnet: Neodymium, magnetic induction B = 1.2 T (12,000 G); Diametric polarisation to maximise capture.
Connections: 3/4" M x 3/4"F




code 520360


code 520360W

PLUS

- It can be installed in any position straight out of the box.
- Internal separation chamber which guarantees perfect filtration in all installation positions.
- Extremely compact for easy installation under the boiler, even in confined spaces.
- Maintenance can also be carried out while the system is running: the unit can be cleaned without disassembly.
- Large settling chamber complete with a ball valve for draining off impurities, ensuring quick and easy cleaning at all times.
- Made from IXEF®, a technopolymer with extraordinary mechanical properties, comparable to brass.

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FILTERING MESH

Extraordinary meeting point between filtering capacity and ease of cleaning.

800 µm



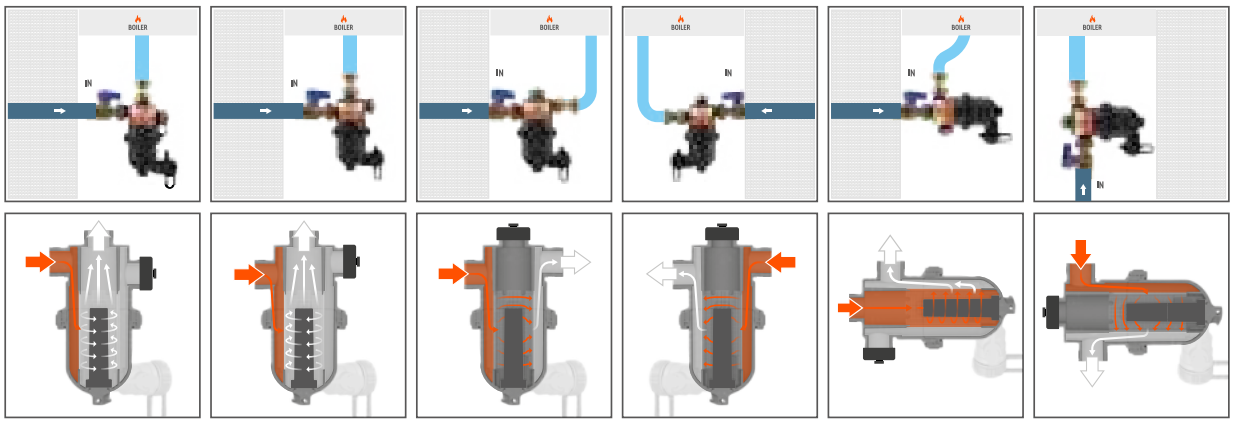
POWERFUL MAGNET

Diametrically polarized magnet. MAXIMUM EFFECTIVENESS in attracting impurities.

12.000 Gauss



It ALWAYS FILTERS 100% in all positions



DIRTSTOP® EASY



- **Defangatore magnetico orientabile compatto a montaggio facilitato completo di filtro interno, valvola di intercettazione a sfera diritta, raccordo girevole e raccordo portagomma.**
- *Compact swiveling magnetic dirt separator with easy assembly complete with strainer, straight isolation ball valve, swiveling fitting and tap connector.*
- **Pot à boue magnétique orientable compact à montage facile complet de filtre interne, vanne d'interception à bille droite, raccord pivotant et nez de robinet.**
- *Kompakter drehbarer magnetischer Schlammabscheider mit einfacher Montage komplett mit internem Filter, Durchgangs-Absperrkugelventil, drehbarer Verbinder und Hahnverbinder.*
- **Desfangador magnético compacto orientable de fácil montaje completo de filtro interno, válvula de cierre de bola recta, conector giratorio y conector de grifo.**

Code	Size	Color	Price	Class	Packaging
520360	3/4" F x 3/4" M	■	109,00 €	TI	1 / 12
520360W	3/4" F x 3/4" M	□	109,00 €	TI	1 / 12

CI DIRTSTOP®



- **Copertura isolante per DIRTSTOP® e DIRTSTOP® EASY.**
- *Insulating cover for DIRTSTOP® and DIRTSTOP® EASY.*
- **Couverture isolante pour DIRTSTOP® et DIRTSTOP® EASY.**
- *Isolierschale für DIRTSTOP® und DIRTSTOP® EASY.*
- **Cobertura aislante para DIRTSTOP® y DIRTSTOP® EASY.**

Code	Model	Price	Class	Packaging
520217	DIRTSTOP® - DIRTSTOP® EASY	34,50 €	TI	1 / 4



• IV 400 >> p. 284,297



• IV 100 HT >> p. 297



• IV 100 LT >>p. 284,297



• ACV 01 >>p. 296

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DIRTSTOP®

DirtSTOP®, is a magnetic dirt separator with double-action strainer, which thanks to its patented swivelling insert, guarantees maximum efficiency in all four installation positions.
The metal parts of the heating system are subject to corrosion effects, which release ferrous impurities into the water. Other impurities may also be present, for example due to limescale. These impurities tend to accumulate in the system parts with reduced transit sections, causing obstructions, noise or other malfunctions.
DirtSTOP® keeps the heating system in the best possible condition, while periodic cleaning of the strainer is simple and quick, without the need to drain the system.

Materials:
Body: technopolymer IXEF®
Connection kit: brass CW617N
Strainer mesh: stainless steel AISI 304
Sealing elements: peroxide EPDM

Technical specifications:
Temperature: 0 - 90 °C
Pmax: 3 bar
Neodymium magnet (B = 1.2 T = 12,000 G)
Kv for insert in position A:
6.2 straight configuration;
5.6 angle configuration.
Kv for insert in position B:
5.7 straight configuration;
5.5 angle configuration
Max. flow rate: 1.46 m^3/h.
Compatible with water or glycol solution (max. 50%).
Connections: 3/4"M x 3/4"F
Filter mesh: 800 µm

PLUS



1. **ULTRA COMPACT**: for easy installation even in confined spaces.
2. **Four different INSTALLATION POSITIONS** (see fig. 1).
3. **BODY IN IXEF TECHNOPOLYMER®**: extraordinary mechanical properties, comparable to brass. Corrosion-resistant.
4. **SWIVELLING INSERT** (Patent Pending): maximum efficiency in any installation position.
5. **Internal STRAINER** with **800 µm mesh**.
6. **LARGE SETTLING CHAMBER, WITH 360° SWIVEL FITTING**: conveys waste to the drain valve.
7. **SHUTOFF DRAIN VALVE**: enables easy and quick cleaning also with the system running (see fig. 2).
8. **POWERFUL MAGNET WITH VERTICAL POLARISATION** to generate a much more uniform magnetic field, thus optimising capture of all impurities.

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Fig. 1

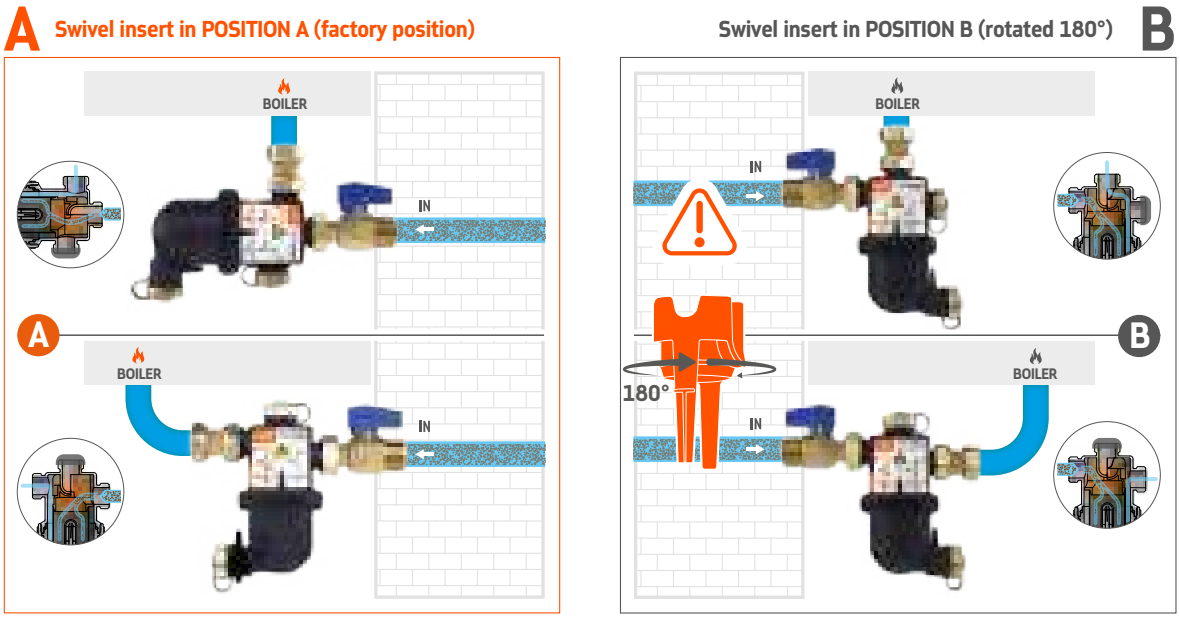


Fig. 2

ROUTINE CLEANING to remove waste and sludge that accumulates at the bottom of the settling chamber, via the integrated drain valve.



SPECIAL CLEANING via the strainer mesh and lower casing, to be carried out at least once a year.





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DIRTSTOP®



- **Defangatore magnetico orientabile compatto con filtro interno completo di valvola di intercettazione a sfera diritta, raccordo girevole e raccordo portagomma.**
- *Compact swiveling magnetic dirt separator with strainer complete with straight isolation ball valve, swiveling fitting and tap connector.*
- **Pot à boue magnétique orientable compact avec filtre interne complet de vanne d'interception à bille droite, raccord pivotant et nez de robinet.**
- *Kompakter drehbarer magnetischer Schlammabscheider mit internem Filter komplett mit Durchgangs-Absperrkugelventil, drehbarer Verbinder und Hahnverbinder.*
- **Desfangador magnético compacto orientable con filtro interno completo de válvula de cierre de bola recta, conector giratorio y conector de grifo.**

Code	Size	Color	Price	Class	Packaging
520049	3/4" F x 3/4" M	■	125,30 €	TI	1 / 12
520049W	3/4" F x 3/4" M	□	125,30 €	TI	1 / 12

CI DIRTSTOP®



- **Copertura isolante per DIRTSTOP® e DIRTSTOP® EASY.**
- *Insulating cover for DIRTSTOP® and DIRTSTOP® EASY.*
- **Couverture isolante pour DIRTSTOP® et DIRTSTOP® EASY.**
- *Isolierschale für DIRTSTOP® und DIRTSTOP® EASY.*
- **Cobertura aislante para DIRTSTOP® y DIRTSTOP® EASY.**

Code	Model	Price	Class	Packaging
520217	DIRTSTOP® - DIRTSTOP® EASY	34,50 €	TI	1 / 4

ACV 01



- **Accessorio per l'installazione di DIRTSTOP® e DIRTSTOP® EASY su caldaie con attacchi orizzontali (compatibile con caldaie Vaillant EcoTEC pro, EcoTEC plus, EcoTEC exclusive).**
- *Accessory for DIRTSTOP® and DIRTSTOP® EASY installation on boilers with horizontal connections (compatible with Vaillant boilers EcoTEC pro, EcoTEC plus, EcoTEC exclusive).*
- **Accessoire pour l'installation de DIRTSTOP® et DIRTSTOP® EASY sur chaudières avec connexions horizontales (compatible avec les chaudières Vaillant EcoTEC pro, EcoTEC plus, EcoTEC exclusive).**
- *Zubehör zur Installation von DIRTSTOP® und DIRTSTOP® EASY an Kesseln mit horizontale Verbindungen (kompatibel mit Vaillant-Kessel EcoTEC pro, EcoTEC plus, EcoTEC exclusive).*
- **Accesorio para instalar DirtSTOP® y DIRTSTOP® EASY en calderas con conexiones horizontales (compatible con calderas Vaillant EcoTEC pro, EcoTEC plus, EcoTEC exclusive).**

Code	Size	Price	Class	Packaging
520126	3/4" | Ø18/1 x 45 mm	14,74 €	TI	1 / 10

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IV 400



- **Additivo risanante.**
- *Sanitizing additive.*
- **Additif désembouant.**
- *Schlammentferner.*
- **Aditivo restaurativo.**

Code	Size	Price	Class	Packaging
IV400	1 l	52,40 €/l	TI	1 l

IV 100 HT



- **Additivo inibitore antiincrostante per impianti ad alta temperatura.**
- *Anti-scaling inhibitor additive for high temperature systems.*
- **Additif inhibiteur anti-incrustant pour les systèmes à haute température.**
- *Anti-Kesselstein-Hemmender Zusatzstoff für Hochtemperatursysteme.*
- **Aditivo antiincrustante inhibidor para sistemas de alta temperatura.**

Code	Size	Price	Class	Packaging
IV100HT	1 l	42,80 €/l	TI	1 l

IV 100 LT



- **Additivo inibitore antiincrostante per impianti a bassa temperatura.**
- *Anti-scaling inhibitor additive for low temperature systems.*
- **Additif inhibiteur anti-incrustant pour les systèmes à basse température.**
- *Anti-Kesselstein-Hemmender Zusatzstoff für Niedertemperatursysteme.*
- **Aditivo antiincrustante inhibidor para sistemas de baja temperatura.**

Code	Size	Price	Class	Packaging
IV100LT	1 l	47,50 €/l	TI	1 l

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DIRTSTOP® XL

When the flow rate of the system is high, such as with heat pumps, for example, it is important for the magnetic dirt separator to be a high-capacity model in order to have even more space available to allow the impurities present in the system to settle and ensure low pressure drops.

The new DirtSTOP® XL version has a 450 ml collection chamber **which allows the purging frequency to be reduced and ensures high flow rates**. The filter effect is based on a sequence of three different actions. **Initial centrifugal separation of debris**, provided by a vortex created by a special, patented insert. Subsequently, **two powerful 12,000-gauss neodymium magnets** retain any magnetic particles in the water. Finally, the filter action of **an 800 µm stainless-steel mesh, "S"-shaped** to maximise the available surface area and make the filtration as effective as possible.

The device is equipped with **manual air bleed valve and drain valve for cleaning. The connections can be horizontal, vertical, or at 45° and can be used indifferently for entry or exit from the device**. The shapes and materials have been carefully designed to ensure high levels of performance, strength and durability.

DirtSTOP® XL is available in various versions which differ by size and the material of the connections.

Materials:
Body, cyclonic insert and cap: PA66 + 30% glass fibre
Tee fitting and locking ring nut: • PA66 + 30% glass fibre
• CW617N brass
Sealing elements: peroxide-cured EPDM

Technical specifications:
Fluid temperature: 0-90 °C
Maximum operating pressure: 3 bar
Flow coefficient (Kv): 13.9
Maximum flow rate: 4.4 m3/h (calculated with ΔP = 0.1 bar)
Mesh strainer: 800 µm in stainless steel AISI 304
Compatible fluids: water or glycol solution (max 50%)
Magnet: Neodymium, magnetic induction (2 x 12.000 G);
Maximum tightening torque 1.4 N·m;
Diametric polarisation to maximise capture.



PLUS

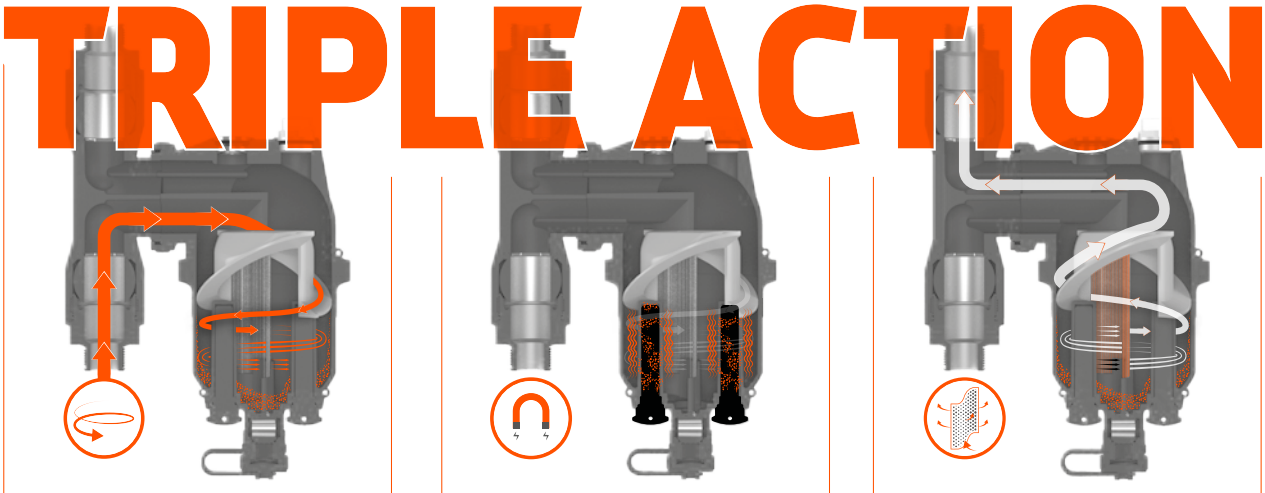
- **The patented insert creates a cyclone in the moving water.**
- **Mechanical filtration of system impurities with 800 µm S-profile mesh.**
- **Two high-power (2 x 12000 Gauss) magnets provide improved retention of ferrous impurities.**
- **Large (450 ml) settling chamber for accumulation of the collected impurities, reducing purging frequency.**
- **Gravitational action on the impurities for accumulation in the lower part of the dirt separator.**
- **High flow rate, ideal for use in systems with heat pumps.**
- **The connections can be used for both input and output from the device, guaranteeing total ease of installation.**

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HIGH FLOW RATE

IDEAL FOR INSTALLATIONS with **HEAT PUMPS**

TRIPLE ACTION



1 *Swirling motion to facilitate debris separation and settling*

2 *Double powerful magnet (2 x 12000 Gauss)*

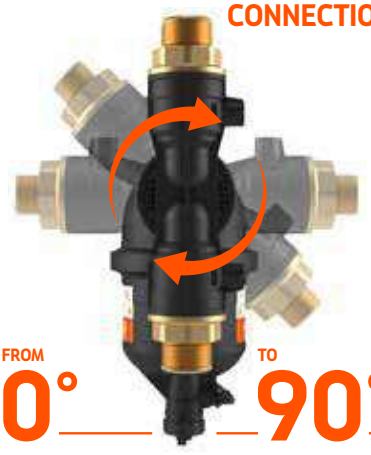
3 *Mechanical filtration with 800 µm mesh*

CONNECTIONS

G 3/4" M	G 1" M	G 1" 1/4 M	G 1" M	G 1" 1/4 M
Code 520300	Code 520301	Code 520302	Code 520315	Code 520311
Code 520300i	Code 520301i	Code 520302i	Code 520315i	Code 520311i
G 3/4" F	G 1" F	G 1" 1/4 F	G 1" F	G 1" 1/4 F
Code 520303	Code 520304	Code 520305	Code 520316	Code 520317
Code 520303i	Code 520304i	Code 520305i	Code 520316i	Code 520317i

WITH SHUT-OFF VALVES

SWIVELING CONNECTIONS



INSULATION SHELL

It is possible to have the product with insulation shell by adding "i" to the chosen code.



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DIRTSTOP® XL BF



- **Defangatore magnetico orientabile a triplice azione filtrante con raccordo a T in ottone e attacco femmina.**
- *Swiveling magnetic dirt separator with triple filtering action complete with brass Tee fitting and female connection.*
- **Pot à boue magnétique orientable à triple action de filtrage avec raccord à T en laiton et embout femelle.**
- *Drehbarer magnetischer Schlammabscheider mit dreifach wirkender Filtration komplett mit Messing-T-Stück und IG Anschluß.*
- **Desfangador magnético orientable con filtración de triple acción completo de racor Te de latón y conexión hembra.**

Code	Size	Insulation	Color	Price	Class	Packaging
520316	1" F x 1" F	-	■	210,00 €	TI	1 / 6
520317	1"1/4 F x 1"1/4 F	-	■	210,00 €	TI	1 / 6
520316I	1" F x 1" F	✓	■	261,50 €	TI	1
520317I	1"1/4 F x 1"1/4 F	✓	■	261,50 €	TI	1

DIRTSTOP® XL BM



- **Defangatore magnetico orientabile a triplice azione filtrante con raccordo a T in ottone e attacco maschio.**
- *Swiveling magnetic dirt separator with triple filtering action complete with brass Tee fitting and male connection.*
- **Pot à boue magnétique orientable à triple action de filtrage avec raccord à T en laiton et embout mâle.**
- *Drehbarer magnetischer Schlammabscheider mit dreifach wirkender Filtration komplett mit Messing-T-Stück und AG Anschluß.*
- **Desfangador magnético orientable con filtración de triple acción completo de racor Te de latón y conexión macho.**

Code	Size	Insulation	Color	Price	Class	Packaging
520315	1" M x 1" M	-	■	210,00 €	TI	1 / 6
520311	1"1/4 M x 1"1/4 M	-	■	210,00 €	TI	1 / 6
520315I	1" M x 1" M	✓	■	261,50 €	TI	1
520311I	1"1/4 M x 1"1/4 M	✓	■	261,50 €	TI	1

AC 655 G



- **Coppia di valvole a sfera diritte femmina-femmina complete di dado girevole per DIRTSTOP® XL BM (codici 520315 e 520315I).**
- *Pair of female-female straight ball valves with swivelling nut for DIRTSTOP® XL BM (codes 520315 and 520315I).*
- **Set de vannes à bille droites femelle-femelle avec écrou rotatif pour DIRTSTOP® XL BM (codes 520315 et 520315I).**
- *Paar Durchgangs-Kugelventil IG-IG mit drehbarer Mutter für DIRTSTOP® XL BM (Artikelnummern 520315 und 520315I).*
- **Conjunto de válvulas de bola rectas hembra-hembra completas de manguito de tuerca giratoria para DIRTSTOP® XL BM (códigos 520315 y 520315I).**

Code	Size	Price	Class	Packaging
520194	1" F swivel x Ø22 copper pipe	52,10 €	TI	1 / 24
520195	1" F swivel x 3/4" F	39,30 €	TI	1 / 24
520196	1" F swivel x 1" F	52,10 €	TI	1 / 24
520197	1" F swivel x 1"1/4 F	64,60 €	TI	1 / 24

DIRTSTOP® XL BMK



- **Defangatore magnetico orientabile a triplice azione filtrante con raccordo a T in ottone attacco maschio e coppia di valvole a sfera diritte femmina-femmina complete di dado girevole.**
- *Swiveling magnetic dirt separator with triple filtering action complete with brass Tee fitting, male connection and pair of female-female straight ball valves with swivelling nut.*
- **Pot à boue magnétique orientable à triple action de filtrage avec raccord à T en laiton, embout mâle et set de vannes à bille droites femelle-femelle avec écrou rotatif.**
- *Drehbarer magnetischer Schlammabscheider mit dreifach wirkender Filtration komplett mit Messing-T-Stück, AG Anschluß und Paar Durchgangs-Kugelventil IG-IG mit drehbarer Mutter.*
- **Desfangador magnético orientable con filtración de triple acción completo de racor Te de latón, conexión macho y conjunto de válvulas de bola rectas hembra-hembra completas de manguito de tuerca giratoria.**

Code	Size	Color	Price	Class	Packaging
520312	3/4" M x 3/4" M	■	249,00 €	TI	1 / 6
520313	1" M x 1" M	■	262,00 €	TI	1 / 6
520314	1"1/4 M x 1"1/4 M	■	274,00 €	TI	1 / 6

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DIRTSTOP® XL PF



- **Defangatore magnetico orientabile a triplice azione filtrante con raccordo a T in plastica, valvole di intercettazione a sfera e attacco femmina.**
- *Swiveling magnetic dirt separator with triple filtering action complete with plastic Tee fitting, isolation ball valves and female connection.*
- **Pot à boue magnétique orientable à triple action de filtrage avec raccord à T en plastique, vannes d'interception à bille et embout femelle.**
- *Drehbarer magnetischer Schlammabscheider mit dreifach wirkender Filtration komplett mit Kunststoff-T-Stück, Absperrkugelventile und IG Anschluß.*
- **Desfangador magnético orientable con filtración de triple acción completo de racor Te de plástico, válvulas de cierre de bola y conexión hembra.**

Code	Size	Insulation	Color	Price	Class	Packaging
520303	3/4" F x 3/4" F	-	■	222,00 €	TI	1 / 6
520304	1" F x 1" F	-	■	234,50 €	TI	1 / 6
520305	1"1/4 F x 1"1/4 F	-	■	247,00 €	TI	1 / 6
520303I	3/4" F x 3/4" F	✓	■	273,50 €	TI	1
520304I	1" F x 1" F	✓	■	286,00 €	TI	1
520305I	1"1/4 F x 1"1/4 F	✓	■	298,50 €	TI	1

DIRTSTOP® XL PM



- **Defangatore magnetico orientabile a triplice azione filtrante con raccordo a T in plastica, valvole di intercettazione a sfera e attacco maschio.**
- *Swiveling magnetic dirt separator with triple filtering action complete with plastic Tee fitting, isolation ball valves and male connection.*
- **Pot à boue magnétique orientable à triple action de filtrage avec raccord à T en plastique, vannes d'interception à bille et embout mâle.**
- *Drehbarer magnetischer Schlammabscheider mit dreifach wirkender Filtration komplett mit Kunststoff-T-Stück, Absperrkugelventile und AG Anschluß.*
- **Desfangador magnético orientable con filtración de triple acción completo de racor Te de plástico, válvulas de cierre de bola y conexión macho.**

Code	Size	Insulation	Color	Price	Class	Packaging
520300	3/4" M x 3/4" M	-	■	222,00 €	TI	1 / 6
520301	1" M x 1" M	-	■	234,50 €	TI	1 / 6
520302	1"1/4 M x 1"1/4 M	-	■	247,00 €	TI	1 / 6
520300I	3/4" M x 3/4" M	✓	■	273,50 €	TI	1
520301I	1" M x 1" M	✓	■	286,00 €	TI	1
520302I	1"1/4 M x 1"1/4 M	✓	■	298,50 €	TI	1

CI DIRTSTOP® XL B



- **Copertura isolante per DIRTSTOP® XL con raccordo a T in ottone.**
- *Insulating cover for DIRTSTOP® XL with brass Tee fitting.*
- **Couverture isolante pour DIRTSTOP® XL avec raccord à T en laiton.**
- *Isolierschale für DIRTSTOP® XL mit Messing-T-Stück.*
- **Cobertura aislante para DIRTSTOP® XL con racor Te de latón.**

Code	Model	Price	Class	Packaging
520321	DIRTSTOP® XL BM; DIRTSTOP® XL BF	51,50 €	TI	1

CI DIRTSTOP® XL P



- **Copertura isolante per DIRTSTOP® XL con raccordo a T in plastica.**
- *Insulating cover for DIRTSTOP® XL with plastic Tee fitting.*
- **Couverture isolante pour DIRTSTOP® XL avec raccord à T en plastique.**
- *Isolierschale für DIRTSTOP® XL mit Kunststoff-T-Stück.*
- **Cobertura aislante para DIRTSTOP® XL con racor Te de plástico.**

Code	Model	Price	Class	Packaging
520320	DIRTSTOP® XL PM; DIRTSTOP® XL PF	51,50 €	TI	1


• IV 400 >> p. 284,297


• IV 100 HT >> p. 297


• IV 100 LT >>p. 284,297

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POLIFEMO®

The proportional polyphosphates dispenser is installed on the lines supplying cold water to the boiler (and other appliances such as washing machines and dishwashers) to reduce the presence of limescale. The polyphosphates released by the dispenser bind to the calcium and magnesium salts and reduce their precipitation, which causes limescale, creating a protective film in the pipework which helps prevent corrosion.
Polifemo® is now even more practical and functional. Its new, **more compact** design, combined with **a new dosing system**, ensures easy maintenance and a **much greater available flow rate**! The **Venturi-effect** dosing of the polyphosphates is proportional to the quantity of water flowing through the device. The **integrated filter strainer** with 500 µm AISI 304 stainless-steel filter mesh protects the system from impurities, while the **bleed valve** on the nut facilitates bleeding off any pressure in the body, thus simplifying refilling of the device. Finally, **all versions of Polifemo® are now equipped with the bypass function** which allows the polyphosphate crystals to be refilled without interrupting normal operation of the device.
The range is enhanced with further versions, and is now composed of: **Polifemo® with ½" connections, Polifemo® Extra with ½" connections and extra large body for even longer-lasting refills, and Polifemo® 1" for high flow-rate systems**.

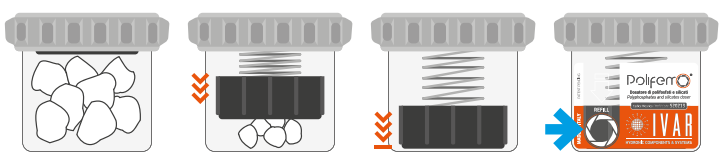
3 in 1

PROTECTS from LIMESTONE
PROTECTS from CORROSION
FILTERS the impurities

⊕ PLUS

- **Level indicator with transparent glass for easy inspection (see ⊕ FOCUS).**
- **Robustness and reliability: brass cap that ensures maximum resistance to water hammer.**
- **HORIZONTAL OR VERTICAL INSTALLATION with accurate display of the charge level in all positions.**
- **HIGH FLOW RATE and LOW PRESSURE LOSS thanks to the new dosing principle with Venturi effect and to the two versions (1/2" and 1").**
- **EASY REFILL thanks to the air vent, which makes disassembly of the ring nut more simple.**
- **SUPER COMPACT, it fits into any system.**
- **NEW VERSION WITH EXTRALARGE GLASS with more crystals, in order to recharge Polifemo only once a year.**

⊕ FOCUS 01



MIND THE POLIFEMO®'S EYE.
Refill with new crystals when it becomes **BLACK**.

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STANDARD

SUPER-COMPACT version

POLIFEMO® 1/2" F - code 520210



EXTRA

LONG LASTING

POLIFEMO® EXTRA 1/2" F - code 520211



1"

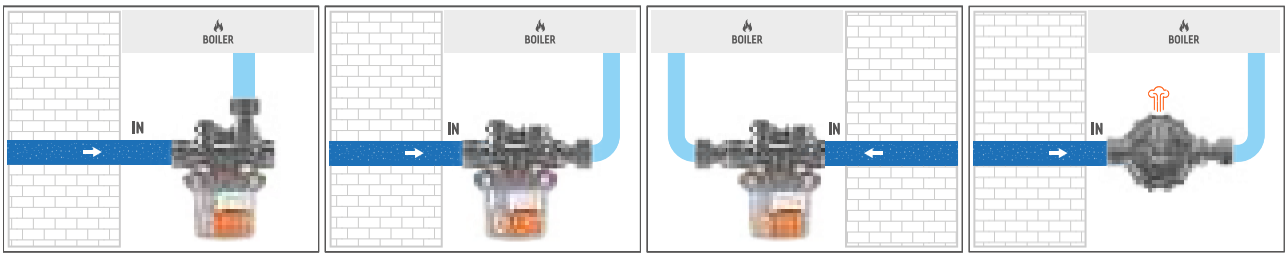
For HIGH FLOW RATES (172 l/min)

POLIFEMO® 1" F - code 520212

Protects from limestone and corrosion of aggressive water:



Boilers | Heat pumps | Water heaters | Washing machines | Dishwashers



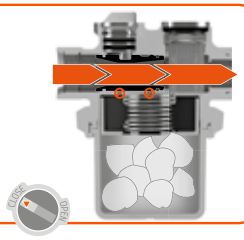
INTEGRATED FILTER

Integrated filter with 500 µm filtering mesh in compliance with **UNI 8065 standard** relating to water treatment.



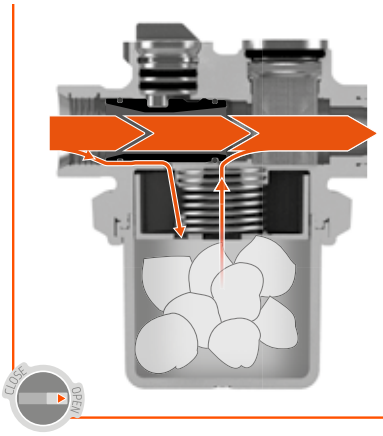
BYPASS

POLIFEMO® allows to recharge the polyphosphates and silicates crystals when the system is working, thanks to the **PATENTED BYPASS SYSTEM.**



PROPORTIONAL DOSAGE

Venturi effect



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POLIFEMO®



- **Dosatore proporzionale di polifosfati e silicati in cristalli completo di filtro, sistema di bypass integrato e kit di connessione.**
- *Proportional doser of polyphosphate and silicates in crystals complete with strainer, integrated bypass system and connection kit.*
- **Distributeur proportionnel de polyphosphates et de silicates en cristaux avec filtre, système de bypass intégré et kit de connexion.**
- *Proportional-Spender für Polyphosphate und Silikate in Kristallen komplett mit Filter, integriertem Bypass-System und Anschluss-Kit.*
- **Dispensador proporcional para polifosfatos y silicatos en cristales con filtro, sistema de bypass integrado y kit de conexión.**

Code	Size	Price	Class	Packaging
520210	1/2" - Refill 80 g	131,00 €	TI	1 / 12

POLIFEMO® EXTRA



- **Dosatore proporzionale di polifosfati e silicati in cristalli completo di filtro, sistema di bypass integrato e kit di connessione.**
- *Proportional doser of polyphosphate and silicates in crystals complete with strainer, integrated bypass system and connection kit.*
- **Distributeur proportionnel de polyphosphates et de silicates en cristaux avec filtre, système de bypass intégré et kit de connexion.**
- *Proportional-Spender für Polyphosphate und Silikate in Kristallen komplett mit Filter, integriertem Bypass-System und Anschluss-Kit.*
- **Dispensador proporcional para polifosfatos y silicatos en cristales con filtro, sistema de bypass integrado y kit de conexión.**

Code	Size	Price	Class	Packaging
520211	1/2" - Refill 160 g	153,50 €	TI	1 / 12

POLIFEMO® 1"



- **Dosatore proporzionale di polifosfati e silicati in cristalli completo di filtro, sistema di bypass integrato e kit di connessione.**
- *Proportional doser of polyphosphate and silicates in crystals complete with strainer, integrated bypass system and connection kit.*
- **Distributeur proportionnel de polyphosphates et de silicates en cristaux avec filtre, système de bypass intégré et kit de connexion.**
- *Proportional-Spender für Polyphosphate und Silikate in Kristallen komplett mit Filter, integriertem Bypass-System und Anschluss-Kit.*
- **Dispensador proporcional para polifosfatos y silicatos en cristales con filtro, sistema de bypass integrado y kit de conexión.**

Code	Size	Price	Class	Packaging
520212	1" - Refill 160 g	220,00 €	TI	1 / 12

APF 03



- **Polifosfati e silicati in cristalli per ricarica dosatori serie POLIFEMO® con filtro di ricambio.**
- *Polyphosphate and silicates in crystals for refilling POLIFEMO® series dosers with spare strainer.*
- **Polyphosphates et silicates en cristaux pour le remplissage des distributeurs de la série POLIFEMO® avec filtre de rechange.**
- *Polyphosphate und Silikate in Kristallen zum Nachfüllen von Spendern der Serie POLIFEMO® mit Ersatzfilter.*
- **Polifosfatos y silicatos en cristales para recarga de dispensadores de la serie POLIFEMO® con filtro de repuesto.**

Code	Size	Model	Price	Class	Packaging
520213	80 g	POLIFEMO® (order 1 pack) POLIFEMO® EXTRA (order 2 packs)	17,50 €	TI	8 / 32
520218	160 g	POLIFEMO® 1"	29,00 €	TI	5 / 20

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CI POLIFEMO®



- **Copertura isolante per POLIFEMO®.**
- *Insulating cover for POLIFEMO®.*
- **Couverture isolante pour POLIFEMO®.**
- *Isolierschale für POLIFEMO®.*
- **Cobertura aislante para POLIFEMO®.**

Code	Model	Price	Class	Packaging
520214	POLIFEMO®	44,60 €	TI	1 / 4

CI POLIFEMO® EXTRA



- **Copertura isolante per POLIFEMO® EXTRA.**
- *Insulating cover for POLIFEMO® EXTRA.*
- **Couverture isolante pour POLIFEMO® EXTRA.**
- *Isolierschale für POLIFEMO® EXTRA.*
- **Cobertura aislante para POLIFEMO® EXTRA.**

Code	Model	Price	Class	Packaging
520215	POLIFEMO® EXTRA	47,00 €	TI	1 / 4

CI POLIFEMO® 1"



- **Copertura isolante per POLIFEMO® 1".**
- *Insulating cover for POLIFEMO® 1".*
- **Couverture isolante pour POLIFEMO® 1».**
- *Isolierschale für POLIFEMO® 1".*
- **Cobertura aislante para POLIFEMO® 1".**

Code	Model	Price	Class	Packaging
520216	POLIFEMO® 1"	51,50 €	TI	1 / 3

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BRIX

BRIX is an acidic condensate neutraliser to be installed downline of the condensate outlet of condensing boilers. Condensing boilers, of course, are able to recover latent heat in the boiler fumes by condensing the water vapour before it reaches the flue. The resulting condensate has a very low pH (acidic), however, as some of the carbon dioxide in the flue gases dissolves to form carbonic acid, which is thus potentially corrosive to domestic drainage systems. With the use of BRIX, the acidic condensate from the boiler passes through granules of calcium carbonate ($CaCO_3$), which neutralise it. The pH of the condensate is thus raised (pH > 6), allowing it to be safely taken into the drainage system.

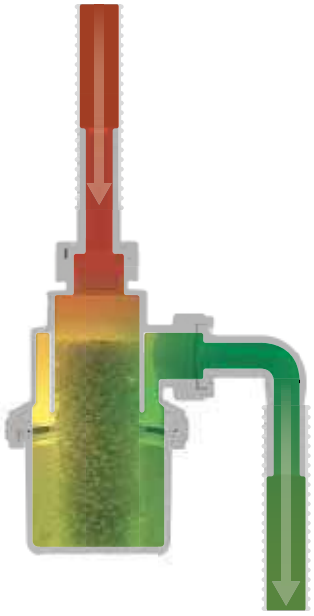
The Brix range now includes the new version with female fitting, available in 16 mm and 20 mm diameter, making connection to the boiler even more versatile. The versions with male fitting, once again in 16 mm and 20 mm sizes, remain available.

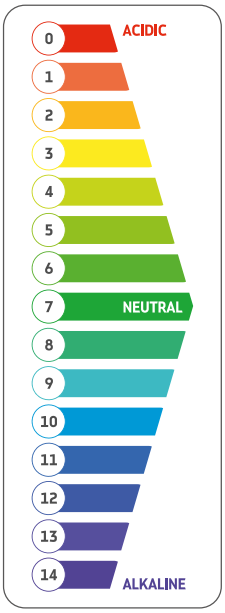


PLUS

- **NEUTRALIZING ACTION to prevent corrosion from acid condensation.**
- **QUICK AND EASY MAINTENANCE thanks to the stainless-steel neutralizer charge container which facilitates the refilling and replacement of the neutralizing charge.**
- **REVERSIBLE CONNECTIONS to easily adapt to different installation positions.**
- **SNAP-IN FEMALE CONNECTION, for a simple and quick installation of the drain pipe.**
- **EXTREMELY COMPACT to easily find a place under the boiler.**
- **Transparent body to always keep the neutralizing charge level under control.**

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BRIX M



- **Neutralizzatore di condensa acida con attacco maschio, kit di connessione e due confezioni di carbonato di calcio.**
- *Acid condensate neutralizer with male connection, connection kit and two packs of calcium carbonate.*
- **Neutralisant de condensat acide avec embout mâle, kit de connexion et deux paquets de carbonate de calcium.**
- *Säurekondensat-Neutralisator mit AG Anschluß, Anschluß-Set und zwei Packungen Calciumcarbonat.*
- **Neutralizador de condensados ácidos con conexión macho, kit de conexión y dos paquetes de carbonato de calcio.**

Code	Size	Price	Class	Packaging
520350	Ø16 M x Ø16 M	78,00 €	TI	1 / 6
520351	Ø20 M x Ø20 M	78,00 €	TI	1 / 6

BRIX F



- **Neutralizzatore di condensa acida con attacco femmina, kit di connessione e due confezioni di carbonato di calcio.**
- *Acid condensate neutralizer with female connection, connection kit and two packs of calcium carbonate.*
- **Neutralisant de condensat acide avec embout femelle, kit de connexion et deux paquets de carbonate de calcium.**
- *Säurekondensat-Neutralisator mit IG Anschluß, Anschluß-Set und zwei Packungen Calciumcarbonat.*
- **Neutralizador de condensados ácidos con conexión hembra, kit de conexión y dos paquetes de carbonato de calcio.**

Code	Size	Price	Class	Packaging
520352	Ø16 M x Ø25 F	76,00 €	TI	1 / 6
520353	Ø20 M x Ø25 F	76,00 €	TI	1 / 6

ABX 01



- **Kit composto da 6 confezioni di carbonato di calcio per neutralizzatore di condensa acida .**
- *Kit with 6 packs of calcium carbonate for acid condensate neutralizer.*
- **Kit avec 6 packs de carbonate de calcium pour neutralisant de condensat acide.**
- *Kit mit 6 Packungen von Calciumcarbonat für Säurekondensat-Neutralisator.*
- **Kit con 6 paquetes de carbonato de calcio para neutralizador de condensados ácidos.**

Code	Size	Price	Class	Packaging
520203	6 x 130 g	25,20 €	TI	1 / 4

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MULTIMIX

The MULTIMIX system is a substation for mixing and boosting, which enables the transfer of fluids at different temperatures to each thermal zone via a distribution kit, made independent by the pressure equaliser incorporated in the main manifold. The extraordinarily compact size facilitates installation below the boiler and in confined spaces.
MULTIMIX is made up of the manifold/separator and direct kits, or versions with mixer, which can be configured and combined to meet specific requirements. Pre-assembled configurations are also available with insulation casing in polypropylene (metal recessed cabinet is supplied separately).
MULTIMIX can also be supplied via side connections, and enables the connection of two or more manifolds to one another. Unlike MULTIMIX-C, this system enables the temporary or permanent disablement of the hydraulic separation function, useful in cases such as connection to an inertial storage unit.

Max. primary flow rate: 3000 l/h
Max. flow rate per kit: 1700 l/h

PLUS

- **Compact, modular and expandable**
- **Integrated hydraulic separator in main manifold**
- **Possibility of supply from top to bottom, right/left**
- **Pre-assembled configurations available**
- **Suitable for heating and cooling**



MANIFOLD/SEPARATOR

- *Three functions:*
  - Flow manifold
  - Return manifold
  - Hydraulic separator (with shutoff provision)
- Connections to primary from right, left, top or bottom
- Connections for multiple heat generators simultaneously
- Two or three zones, expandable with additional module via side connection



DISTRIBUTION AND MIXING KIT

- Three-way piston mixing valve and secondary bypass
- Option of fixed point or climate control
- Pump with shutoff provision and simplified installation thanks to telescopic connection
- Safety thermostat, thermometers, non-return valve

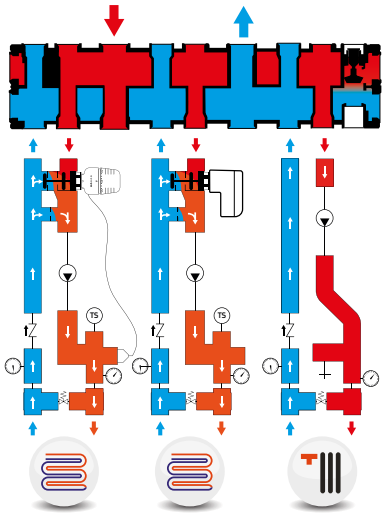


DIRECT DISTRIBUTION KIT

- Pump with shutoff provision and simplified installation tnanks to telescopic connection
- Thermometers, non-return valve

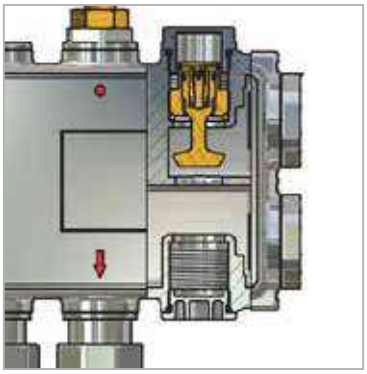
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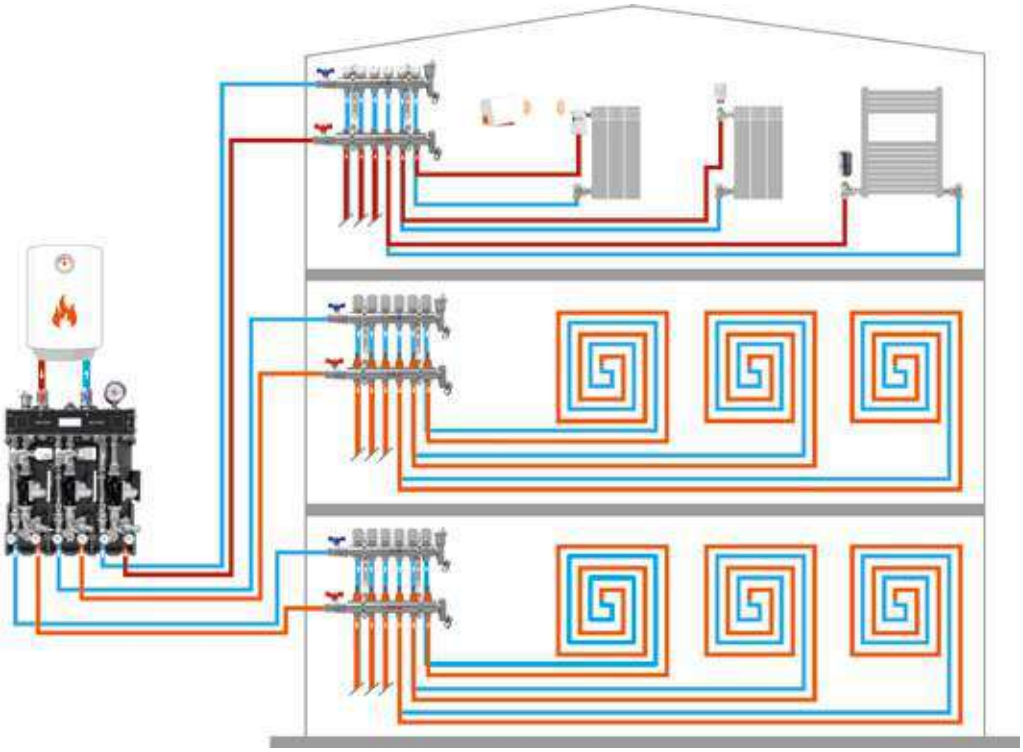




FOCUS: hydraulic separation

- The manifold incorporates the hydraulic separation, an essential function in systems with multiple pumps that can operate simultaneously.
- The hydraulic separator can also be shut off while the system is running by means of an externally controlled shutter.
- The separator creates a hydraulic short circuit, which makes all circulation pumps installed on the secondary and primary circuits completely independent from one another.





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MUL 2HE



- **Modulo di distribuzione MULTIMIX per impianti termici a zone. Versione con collettore/separatore a 2 zone di distribuzione diretta ad alta temperatura. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX distribution module for zone thermal plants. Version with 2 distribution zones manifold/separator, both with direct distribution in high temperature. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 2 zones de distribution, toutes les deux avec distribution directe en haute température. Unités de distribution équipées de pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 2 Verteilungszonen, beide mit direkter Heißwasserverteilung. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 2 zonas de distribución, ambos con distribución directa en alta temperatura. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506290PEI	✓	WILO4F	2 High T. modules	2.219,26 €	NI	1



- 200089 >> p. 204,322,395,493

MUL 3HE



- **Modulo di distribuzione MULTIMIX per impianti termici a zone. Versione con collettore/separatore a 3 zone di distribuzione diretta ad alta temperatura. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX distribution module for zone thermal plants. Version with 3 distribution zones manifold/separator, all with direct distribution in high temperature. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 3 zones de distribution, toutes avec distribution directe en haute température. Unités de distribution équipées de pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 3 Verteilungszonen, alle mit direkter Heißwasserverteilung. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 3 zonas de distribución, todas con distribución directa en alta temperatura. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506291PEI	✓	WILO4F	3 High T. modules	3.023,19 €	NI	1



- 200090 >> p. 204,322,395,493

MUL 2LE



- **Modulo di distribuzione MULTIMIX per impianti termici a zone. Versione con collettore/separatore a 2 zone di distribuzione a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX distribution module for zone thermal plants.Version with 2 distribution zones manifold/separator, both low temperature with mixing unit. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 2 zones de distribution, toutes les deux de basse température avec unité de mélange. Unités de distribution équipées de pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 2 Verteilungszonen, beide für Kaltwasser mit Mischeinheit. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 2 zonas de distribución, ambos de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506288PEI	✓	WILO4F	2 Low T. modules	2.481,45 €	NI	1



- 200089 >> p. 204,322,395,493



- T 5011 U >> p. 252,321,395



- RV 01 >>p. 239,243,252,321,359,395

MUL 3LE



- **Modulo di distribuzione MULTIMIX per impianti termici a zone. Versione con collettore/separatore a 3 zone di distribuzione a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX distribution module for zone thermal plants.Version with 3 distribution zones manifold/separator, all low temperature with mixing unit. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 3 zones de distribution, toutes de basse température avec unité de mélange. Unités de distribution équipées de pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 3 Verteilungszonen, alle für Kaltwasser mit Mischeinheit. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 3 zonas de distribución, todas de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506289PEI	✓	WILO4F	3 Low T. modules	3.416,48 €	NI	1



- 200090 >> p. 204,322,395,493



- T 5011 U >> p. 252,321,395



- RV 01 >>p. 239,243,252,321,359,395

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MUL 1HE/1LE



- **Modulo di distribuzione MULTIMIX per impianti termici a zone. Versione con collettore/separatore a 2 zone di distribuzione: una diretta ad alta temperatura e una a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX distribution module for zone thermal plants. Version with 2 distribution zones manifold/separator, one of direct distribution in high temperature, one of low temperature with mixing unit. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones.Version avec collecteur/séparateur à 2 zones de distribution, une de distribution directe en haute température, une de basse température avec unité de mélange. Unités de distribution équipées de pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen.Ausführung mit Verteiler/Abscheider mit 2 Verteilungszonen, eine fmit direkter Heißwasserverteilung, eine für Kaltwasser mit Mischeinheit. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 2 zonas de distribución, una con distribución directa en alta temperatura, una de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506285PEI	✓	WILO4F	1 High T.module + 1 Low T. module	2.350,37 €	NI	1



- 200089 >> p. 204,322,395,493



- T 5011 U >> p. 252,321,395



- RV 01 >>p. 239,243,252,321,359,395

MUL 2HE/1LE



- **Modulo di distribuzione MULTIMIX per impianti termici a zone.Versione con collettore/separatore a 3 zone di distribuzione: due a distribuzione diretta ad alta temperatura e una a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX distribution module for zone thermal plants. Version with 3 zones distribution manifold/separator, two of direct distribution in high temperature, one of low temperature with mixing unit. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 3 zones de distribution, deux avec distribution directe en haute température, une de basse température avec unité de mélange. Unités de distribution équipées d'une pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 3 Verteilungszonen, zwei mit direkter Heißwasserverteilung, eine für Kaltwasser mit Mischeinheit. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 3 zonas de distribución, dos con distribución directa en alta temperatura, una de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506287PEI	✓	WILO4F	2 High T. modules + 1 Low T. module	3.154,29 €	NI	1



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- T 5011 U >> p. 252,321,395



- RV 01 >>p. 239,243,252,321,359,395

MUL 1HE/2LE



- **Modulo di distribuzione MULTIMIX per impianti termici a zone.Versione con collettore/separatore a 3 zone di distribuzione: una diretta a alta temperatura e due a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX distribution module for zone thermal plants. Version with 3 zones distribution manifold/separator, one of direct distribution in high temperature, two of low temperature with mixing unit. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 3 zones de distribution, une avec distribution directe en haute température, deux de basse température avec unité de mélange. Unités de distribution équipées de pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 3 Verteilungszonen, eine mit direkter Heißwasserverteilung, zwei für Kaltwasser mit Mischeinheit. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 3 zonas de distribución, una con distribución directa en alta temperatura, dos de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506286PEI	✓	WILO4F	1 High T. module + 2 Low T. modules	3.285,38 €	NI	1



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WILO4F



- **Circolatore elettronico a velocità variabile.**
- *Variable speed electronic circulator.*
- **Circulateur chauffage électronique à vitesse variable.**
- *Elektronische Umwälzpumpe mit variabler Geschwindigkeit*
- **Circulador electrónico de velocidad variable.**

Code	Size	Head loss	Price	Class	Packaging
WILO4F	1"1/2 - 130 mm	6 m	312,00 €	HK	3

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MUL 2H



- **Modulo di distribuzione MULTIMIX per impianti termici a zone. Versione con collettore/separatore a 2 zone di distribuzione diretta ad alta temperatura. Unità di distribuzione complete di pompa standard a 3 velocità.**
- *MULTIMIX distribution module for zone thermal plants. Version with 2 distribution zones manifold/separator, both with direct distribution in high temperature. Distribution units complete of standard 3-speed pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 2 zones de distribution, toutes les deux avec distribution directe en haute température. Unités de distribution équipées de pompe standard à 3 vitesses.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 2 Verteilungszonen, beide mit direkter Heißwasserverteilung. Verteileraggregate mit Standardpumpe mit 3 Geschwindigkeiten.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 2 zonas de distribución, ambos con distribución directa en alta temperatura. Unidades de distribución completas de bomba estándar de 3 velocidades.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506290PI	✓	WILO3F	2 High T. modules	2.039,14 €	NI	



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MUL 3H



- **Modulo di distribuzione MULTIMIX per impianti termici a zone. Versione con collettore/separatore a 3 zone di distribuzione diretta ad alta temperatura. Unità di distribuzione complete di pompa standard a 3 velocità.**
- *MULTIMIX distribution module for zone thermal plants. Version with 3 distribution zones manifold/separator, all with direct distribution in high temperature. Distribution units complete of standard 3-speed pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 3 zones de distribution, toutes avec distribution directe en haute température. Unités de distribution équipées de pompe standard à 3 vitesses.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 3 Verteilungszonen, alle mit direkter Heißwasserverteilung. Verteileraggregate mit Standardpumpe mit 3 Geschwindigkeiten.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 3 zonas de distribución, todas con distribución directa en alta temperatura. Unidades de distribución completas de bomba estándar de 3 velocidades.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506291PI	✓	WILO3F	3 High T. modules	2.753,01 €	NI	1



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MUL 2L



- **Modulo di distribuzione MULTIMIX per impianti termici a zone. Versione con collettore/separatore a 2 zone di distribuzione a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa standard a 3 velocità.**
- *MULTIMIX distribution module for zone thermal plants. Version with 2 distribution zones manifold/separator, both low temperature with mixing unit. Distribution units complete of standard 3-speed pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 2 zones de distribution, toutes les deux de basse température avec unité de mélange. Unités de distribution équipées de pompe standard à 3 vitesses.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 2 Verteilungszonen, beide für Kaltwasser mit Mischeinheit. Verteileraggregate mit Standardpumpe mit 3 Geschwindigkeiten.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 2 zonas de distribución, ambos de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba estándar de 3 velocidades.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506288PI	✓	WILO3F	2 Low T. modules	2.285,12 €	NI	



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MUL 3L



- **Modulo di distribuzione MULTIMIX per impianti termici a zone. Versione con collettore/separatore a 3 zone di distribuzione a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa standard a 3 velocità.**
- *MULTIMIX distribution module for zone thermal plants. Version with 3 distribution zones manifold/separator, all low temperature with mixing unit. Distribution units complete of standard 3-speed pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 3 zones de distribution, toutes de basse température avec unité de mélange. Unités de distribution équipées de pompe standard à 3 vitesses.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 3 Verteilungszonen, alle für Kaltwasser mit Mischeinheit. Verteileraggregate mit Standardpumpe mit 3 Geschwindigkeiten.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 3 zonas de distribución, todas de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba estándar de 3 velocidades.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506289PI	✓	WILO3F	3 Low T. modules	3.121,96 €	NI	1



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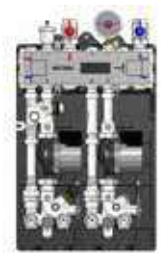
- T 5011 U >> p. 252,321,395



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MUL 1H/1L



- **Modulo di distribuzione MULTIMIX per impianti termici a zone. Versione con collettore/separatore a 2 zone di distribuzione: una diretta ad alta temperatura e una a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa standard a 3 velocità.**
- *MULTIMIX distribution module for zone thermal plants. Version with 2 distribution zones manifold/separator, one of direct distribution in high temperature, one of low temperature with mixing unit. Distribution units complete of standard 3-speed pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 2 zones de distribution, une de distribution directe en haute température, une de basse température avec unité de mélange. Unités de distribution équipées de pompe standard à 3 vitesses.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen.Ausführung mit Verteiler/Abscheider mit 2 Verteilungszonen, eine mit direkter Heißwasserverteilung, eine für Kaltwasser mit Mischeinheit. Verteileraggregate mit Standardpumpe mit 3 Geschwindigkeiten.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 2 zonas de distribución, una con distribución directa en alta temperatura, una de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba estándar de 3 velocidades.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506285PI	✓	WILO3F	1 High T. module + 1 Low T. module	2.162,12 €	NI	1



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MUL 2H/1L



- **Modulo di distribuzione MULTIMIX per impianti termici a zone. Versione con collettore/separatore a 3 zone di distribuzione: due diretta ad alta temperatura e una a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa standard a 3 velocità.**
- *MULTIMIX distribution module for zone thermal plants. Version with 3 zones distribution manifold/separator, two of direct distribution in high temperature, one of low temperature with mixing unit. Distribution units complete of standard 3-speed pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 3 zones de distribution, deux avec distribution directe en haute température, une de basse température avec unité de mélange. Unités de distribution équipées d'une pompe standard à 3 vitesses.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 3 Verteilungszonen, zwei mit direkter Heißwasserverteilung, eine für Kaltwasser mit Mischeinheit. Verteileraggregate mit Standardpumpe mit 3 Geschwindigkeiten.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 3 zonas de distribución, dos con distribución directa en alta temperatura, una de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba estándar de 3 velocidades.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506287PI	✓	WILO3F	2 High T. modules + 1 Low T. module	2.876,00 €	NI	



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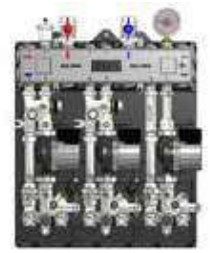


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MUL 1H/2L



- **Modulo di distribuzione MULTIMIX per impianti termici a zone. Versione con collettore/separatore a 3 zone di distribuzione: una diretta ad alta temperatura e due a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa standard a 3 velocità.**
- *MULTIMIX distribution module for zone thermal plants. Version with 3 zones distribution manifold/separator, one of direct distribution in high temperature, two of low temperature with mixing unit. Distribution units complete of standard 3-speed pump.*
- **Module de distribution MULTIMIX pour installations thermiques à zones. Version avec collecteur/séparateur à 3 zones de distribution, une avec distribution directe en haute température, deux de basse température avec unité de mélange. Unités de distribution équipées de pompe standard à 3 vitesses.**
- *Verteilermodul MULTIMIX für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 3 Verteilungszonen, eine mit direkter Heißwasserverteilung, zwei für Kaltwasser mit Mischeinheit. Verteileraggregate mit Standardpumpe mit 3 Geschwindigkeiten.*
- **Módulo de distribución MULTIMIX para centrales térmicas de zonas. Versión con colector/separador de 3 zonas de distribución, una con distribución directa en alta temperatura, dos de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba estándar de 3 velocidades.**

Code	Insulation	Pump	Size	Price	Class	Packaging
506286PI	✓	WILO3F	1 High T. module + 2 Low T. modules	2.998,99 €	NI	1



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WILO3F

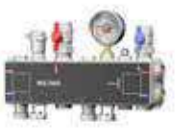


- **Circolatore standard a 3 velocità.**
- *3-speed standard circulator.*
- **Circulateur standard à 3 vitesses.**
- *Umwälzpumpe mit 3 Geschwindigkeitsstufen.*
- **Circulador estándar de 3 velocidades.**

Code	Size	Head loss	Price	Class	Packaging
WILO3F	1"1/2 - 130 mm	6 m	216,14 €	HK	5

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MUL 0032 AC



- **Collettore principale di distribuzione a 2 vie con separatore idraulico intercettabile (a impianto funzionante) per sistema MULTIMIX, completo di valvole a sfera, termomanometro e sfiato aria automatico.**
- *2-way main distribution manifold with interceptable (even when the system is functioning) hydraulic separator for MULTIMIX system, complete with ball valves, temperature/pressure gauge and automatic air vent.*
- **Collecteur principal de distribution à 2 voies avec séparateur hydraulique interceptable (lorsque l'installation fonctionne) pour système MULTIMIX, constitué de vannes à bille, thermomanomètre et purgeur d'air automatique.**
- *2-Wege Hauptmodulverteiler mit hydraulischen Weichen (in Betrieb stehender Anlage) für das MULTIMIX System, mit Kugelventilen, Thermomanometer und automatischem Schnellentlüfter.*
- **Colector principal de distribución a 2 vías con separador hidráulico interceptable (con el sistema en funcionamiento) para el sistema de MULTIMIX, con válvulas de bola, termomanómetro y purga automática.**

Code	Included Accessories	Ways	Size	Price	Class	Packaging
506282	AC 655 NST + MA 20 + AC 620	2	G 1" F x G 3/4" F	719,92 €	NI	1

MUL 0032



- **Collettore principale di distribuzione a 2 vie con separatore idraulico intercettabile per sistema MULTIMIX completo di nippli 1"M.**
- *2-way main distribution manifold with interceptable hydraulic separator for MULTIMIX system, 1" M nipples included.*
- **Collecteur principal de distribution à 2 voies avec séparateur hydraulique interceptable pour système MULTIMIX complet d'embouts 1" M.**
- *2-Wege Hauptmodulverteiler mit hydraulischen Weichen für das MULTIMIX System, mit Anschlußnippeln 1" AG.*
- **Colector principal de distribución a 2 vías con separador hidráulico interceptable para sistema MULTIMIX, completo de niples 1" M.**

Code	Included Accessories	Ways	Size	Price	Class	Packaging
506284	AC 606 N	2	G 1" F x G 3/4" F	631,66 €	NI	1

MUL 0033 AC



- **Collettore principale di distribuzione a 3 vie con separatore idraulico intercettabile (a impianto funzionante) per sistema MULTIMIX, completo di valvole a sfera, termomanometro e sfiato aria automatico.**
- *3-way main distribution manifold with intercept able (even when the system is functioning) hydraulic separator for MULTIMIX system, complete with ball valves, temperature/pressure gauge and automatic air vent.*
- **Collecteur principal de distribution à 3 voies avec séparateur hydraulique interceptable (lorsque l'installation fonctionne) pour système MULTIMIX, constitué de vannes à bille, thermomanomètre et purgeur d'air automatique.**
- *3-Wege Hauptmodulverteiler mit hydraulischen Weichen (in Betrieb stehender Anlage) für das MULTIMIX System, mit Kugelventilen, Thermomanometer und automatischem Schnellentlüfter.*
- **Colector principal de distribución a 3 vías con separador hidráulico interceptable (con el sistema en funcionamiento) para el sistema de MULTIMIX, con válvulas de bola, termomanómetro y purga automática.**

Code	Included Accessories	Ways	Size	Price	Class	Packaging
506283	AC 655 NST + MA 20 + AC 620	3	G 1" F x G 3/4" F	833,91 €	NI	1

MUL 0033



- **Collettore principale di distribuzione a 3 vie con separatore idraulico intercettabile per sistema MULTIMIX completo di nippli 1" M.**
- *3-way main distribution manifold with interceptable hydraulic separator for MULTIMIX system, 1" M nipples included.*
- **Collecteur principal de distribution à 3 voies avec séparateur hydraulique interceptable pour système MULTIMIX complet d'embouts 1" M.**
- *3-Wege Hauptmodulverteiler mit hydraulischen Weichen für das MULTIMIX System, mit Anschlußnippeln 1" AG.*
- **Colector principal de distribución a 3 vías con separador hidráulico interceptable para sistema MULTIMIX, completo de niples 1" M.**

Code	Included Accessories	Ways	Size	Price	Class	Packaging
506285	AC 606 N	3	G 1" F x G 3/4" F	745,64 €	NI	1

AC 655 NST



- **Coppia di valvole a sfera diritte maschio-femmina complete di bocchettone a tenuta morbida, manovra a farfalla.**
- *Pair of male-female straight ball valves with soft-seal fitting, butterfly operation.*
- **Set de vannes à bille droites mâle-femelle avec goulotte à étanchéité souple, manoeuvre à papillon.**
- *Paar Durchgangs-Kugelventil AG-IG mit Selbstdichtendsstutzen und Flügelgriff.*
- **Conjunto de válvulas de bola rectas macho-hembra completas de manguito de unión con junta blanda, vuelta a mariposa.**

Code	Size	Color	Price	Class	Packaging
506406	1"	/	58,75 €	NO	2 / 16

AC 620 N



- **Valvola di sfiato aria automatica.**
- *Automatic air valve.*
- **Purgeur d'air automatique.**
- *Automatisches Entlüftungsventil.*
- **Válvula purgadora automática.**

Code	Size	Color	Price	Class	Packaging
501323	3/8"		11,29 €	NJ	15 / 120
501325	1/2"		11,02 €	NJ	15 / 120

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MUL 10 E



- **Kit di mandata diretta in alta temperatura con/senza pompa elettronica a velocità variabile per sistema MULTIMIX.**
- *High temperature direct flow kit with/without variable speed electronic pump for MULTIMIX system.*
- **Kit d'envoi direct en haute température avec/sans pompe électronique à vitesse variable pour le système MULTIMIX.**
- *Direktversorgungs-Heißwassersatz mit/ohne elektronischer Pumpe mit variabler Geschwindigkeit für das MULTIMIX System.*
- **Kit de envío directo de alta temperatura con/sin bomba electrónica de velocidad variable para sistema MULTIMIX.**

Code	Pump	Size	Insulation	Price	Class	Packaging
506280NB		G 3/4" M	-	335,84 €	NI	1
506280PE	WILO4F	G 3/4" M	-	655,68 €	NI	1
506280PEI	WILO4F	G 3/4" M	✓	714,73 €	NI	1

MUL 20 E



- **Kit di miscelazione in bassa temperatura con/senza pompa elettronica a velocità variabile per sistema MULTIMIX.**
- *Low temperature mixing kit with/without variable speed electronic pump for MULTIMIX system.*
- **Kit de mélange en basse température complet de pompe électronique à vitesse variable pour système MULTIMIX.**
- *Fußbodenheizungs-Mischersatz mit/ohne elektronischer Pumpe mit variabler Geschwindigkeit für das MULTIMIX System.*
- **Kit de mezcla de baja temperatura con/sin bomba electrónica de velocidad variable para sistema MULTIMIX.**

Code	Pump	Size	Insulation	Price	Class	Packaging
506281NB		G 3/4" M	-	458,84 €	NI	1
506281PE	WILO4F	G 3/4" M	-	729,19 €	NI	1
506281PEI	WILO4F	G 3/4" M	✓	883,80 €	NI	1



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MUL 11



- **Kit di mandata diretta in alta temperatura con/senza pompa standard a 3 velocità completo di bypass per sistema MULTIMIX.**
- *High temperature direct flow kit with/without standard 3-speed pump complete with bypass for MULTIMIX system.*
- **Kit d'envoi direct en haute température avec/sans pompe standard à 3 vitesses complet de bypass pour le système MULTIMIX.**
- *Direktversorgungs-Heißwassersatz mit/ohne Standardpumpe mit 3 Geschwindigkeiten mit Bypass für das MULTIMIX System.*
- **Kit de envío directo de alta temperatura con/sin bomba estándar de 3 velocidades con bypass para sistema MULTIMIX.**

Code	Bypass	Pump	Size	Price	Class	Packaging
506280	✓		G 3/4" M	343,95 €	NI	1
506280P	✓	WILO3F	G 3/4" M	565,59 €	NI	1

MUL 20



- **Kit di miscelazione in bassa temperatura con/senza pompa standard a 3 velocità completo di bypass per sistema MULTIMIX.**
- *Low temperature mixing kit with/without standard 3-speed pump complete with bypass for MULTIMIX system.*
- **Kit de mélange en basse température avec/sans pompe standard à 3 vitesses complet de bypass pour système MULTIMIX.**
- *Fußbodenheizungs-Mischersatz mit/ohne Standardpumpe mit 3 Geschwindigkeiten mit Bypass für das MULTIMIX System.*
- **Kit de mezcla de baja temperatura con/sin bomba estándar de 3 velocidades con bypass para sistema MULTIMIX.**

Code	Bypass	Pump	Size	Insulation	Price	Class	Packaging
506281	✓		G 3/4" M	-	466,94 €	NI	1
506281P	✓	WILO3F	G 3/4" M	-	688,59 €	NI	1
506281PI	✓	WILO3F	G 3/4" M	✓	761,74 €	NI	1



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AC 606



- **Nipplo girevole maschio - maschio.**
- *Swivelling male - male nipple.*
- **Nipple pivotant mâle - mâle.**
- *AG - AG drehbarer Nippel.*
- **Entrerrosca giratoria macho - macho.**

Code	Size	Color	Price	Class	Packaging
500070	1" M O-ring x 1" M O-ring		10,81 €	NJ	20 / 80

MA 20 R



- **Termomanometro con attacco radiale.**
- *Temperature-pressure gauge with radial coupling.*
- **Thermomanomètre avec embout radiale.**
- *Thermomanometer mit radial Anschluss.*
- **Termomanómetro con conexión radial.**

Code	Size	Range	Price	Class	Packaging
509141R	1/2" M	0-120 °C - 0-6 bar	36,11 €	NL	30

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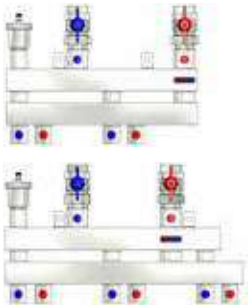
MULTIMIX•C

The MULTIMIX C system enables the transfer of fluids at different temperatures to each thermal zone via a distribution and boosting kit, made independent by the pressure equaliser incorporated in the main manifold. The extraordinary compact size facilitates installation below the boiler and in confined spaces.
MULTIMIX C is made up of the manifold/separator and direct kits, or versions with mixer, which can be configured and combined to meet specific requirements. Pre-assembled configurations are also available with insulation casing in polypropylene (metal recessed cabinet is supplied separately).

Max. primary flow rate: 3000 l/h
Max. flow rate per kit: 1700 l/h

⊕ PLUS

- **Compact and flexible (2 or 3 zones)**
- **Integrated hydraulic separator in main manifold**
- **Pre-assembled configurations available**
- **Suitable for heating and cooling**



MANIFOLD/SEPARATOR

- *3 functions:*
  - Delivery manifold
  - Return manifold
  - Hydraulic separator (with shutoff provision before installation)
- Two or three zones



DISTRIBUTION AND MIXING KIT

- 3-way piston mixing valve and secondary bypass
- Option of fixed point or climate control
- Safety thermostat, thermometers, non-return valve
- Pump with shutoff provision and simplified installation thanks to telescopic connection

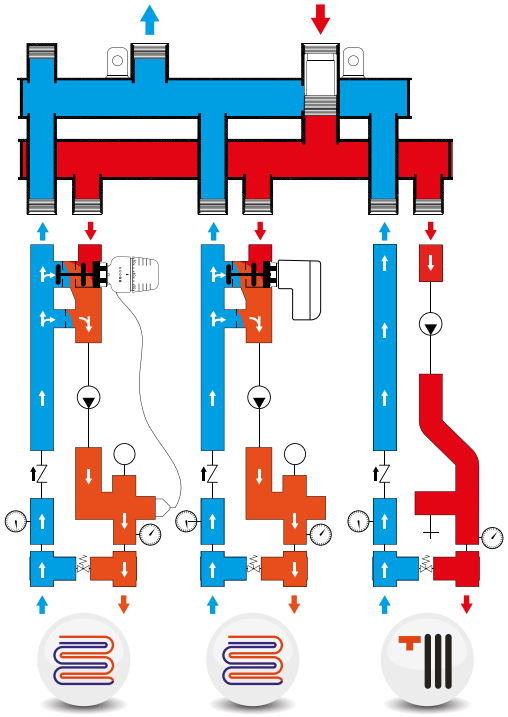


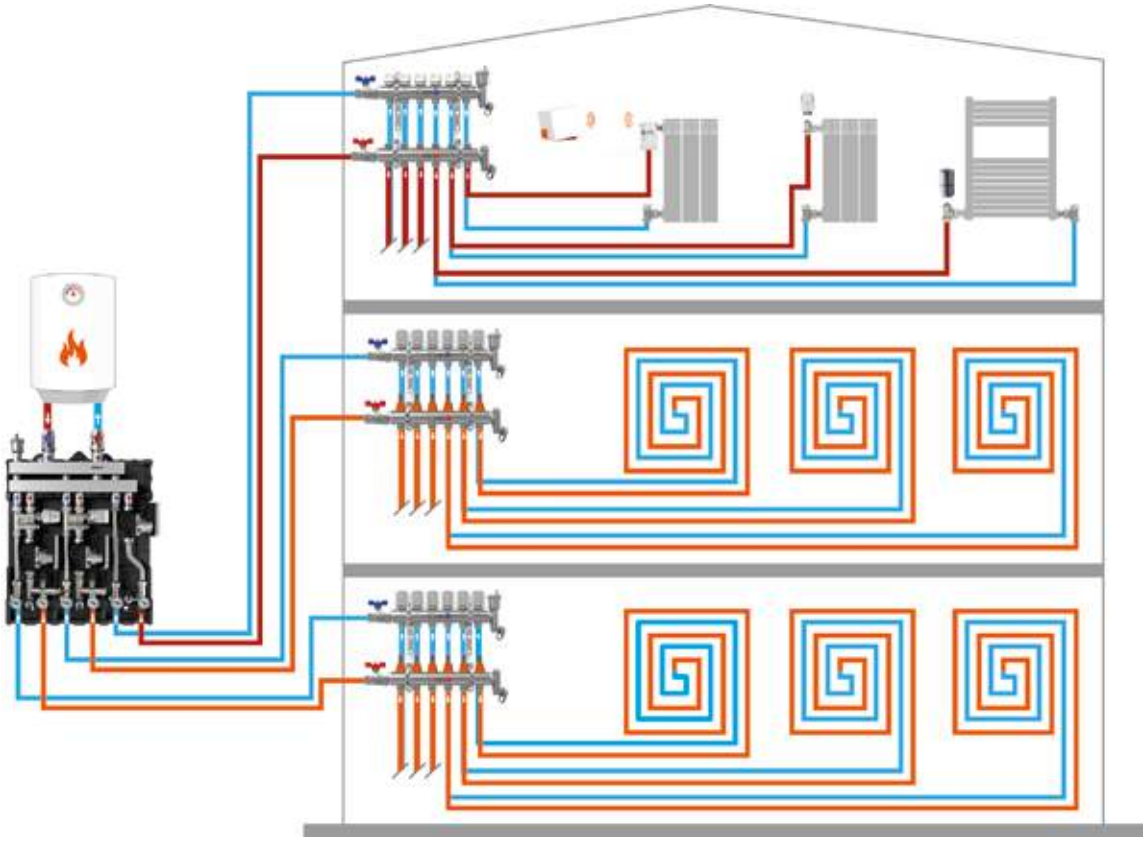
DIRECT DISTRIBUTION KIT

- Thermometers, non-return valve
- Pump with shutoff provision and simplified installation thanks to telescopic connection

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MUL-C 2HE



- **Modulo di distribuzione MULTIMIX-C per impianti termici a zone. Versione con collettore/separatore a 2 zone di distribuzione diretta ad alta temperatura. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX-C distribution module for zone thermal plants. Version with 2 distribution zones manifold/separator, both with direct distribution in high temperature. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX-C pour installations thermiques à zones. Version avec collecteur/séparateur à 2 zones de distribution, toutes les deux avec distribution directe en haute température. Unités de distribution équipées de pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX-C für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 2 Verteilungszonen, beide mitdirekter Heißwasserverteilung. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit*
- **Módulo de distribución MULTIMIX-C para centrales térmicas de zonas. Versión con colector/separador de 2 zonas de distribución, ambos con distribución directa en alta temperatura. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
508139PEI	✓	WILO4F-110	2 High T. modules	1.514,70 €	NI	1



- 200089 >> p. 204,322,395,493

MUL-C 3HE



- **Modulo di distribuzione MULTIMIX-C per impianti termici a zone. Versione con collettore/separatore a 3 zone di distribuzione diretta ad alta temperatura con distribuzione diretta. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX-C distribution module for zone thermal plants. Version with 3 distribution zones manifold/separator, all with direct distribution in high temperature. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX-C pour installations thermiques à zones. Version avec collecteur/séparateur à 3 zones de distribution, toutes avec distribution directe en haute température. Unités de distribution équipées de pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX-C für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 3 Verteilungszonen, alle mit direkter Heißwasserverteilung. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX-C para centrales térmicas de zonas. Versión con colector/separador de 3 zonas de distribución, todascon distribución directa en alta temperatura. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
508140PEI	✓	WILO4F-110	3 High T. modules	2.064,77 €	NI	1



- 200090 >> p. 204,322,395,493

MUL-C 2LE



- **Modulo di distribuzione MULTIMIX-C per impianti termici a zone. Versione con collettore/separatore a 2 zone di distribuzione a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX-C distribution module for zone thermal plants. Version with 2 distribution zones manifold/separator, both low temperature with mixing unit. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX-C pour installations thermiques à zones. Version avec collecteur/séparateur à 2 zones de distribution, toutes les deux de basse température avec unité de mélange. Unités de distribution équipées de pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX-C für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 2 Verteilungszonen, beide fürKaltwasser mit Mischeinheit. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX-C para centrales térmicas de zonas. Versión con colector/separador de 2 zonas de distribución, ambos de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
508137PEI	✓	WILO4F-110	2 Low T. modules	1.906,97 €	NI	1



- 200089 >> p. 204,322,395,493



- T 5011 U >> p. 252,321,395



- RV 01 >>p. 239,243,252,321,359,395

MUL-C 3LE



- **Modulo di distribuzione MULTIMIX-C per impianti termici a zone. Versione con collettore/separatore a 3 zone di distribuzione a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX-C distribution module for zone thermal plants. Version with 3 distribution zones manifold/separator, all low temperature with mixing unit. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX-C pour installations thermiques à zones. Version avec collecteur/séparateur à 3 zones de distribution, toutes de basse température avec unité de mélange. Unités de distribution équipées de pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX-C für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 3 Verteilungszonen, alle fürKaltwasser mit Mischeinheit. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX-C para centrales térmicas de zonas. Versión con colector/separador de 3 zonas de distribución, todas de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
508138PEI	✓	WILO4F-110	3 Low T. modules	2.653,15 €	NI	1



- 200090 >> p. 204,322,395,493



- T 5011 U >> p. 252,321,395



- RV 01 >>p. 239,243,252,321,359,395

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MUL-C 1HE/1LE



- **Modulo di distribuzione MULTIMIX-C per impianti termici a zone. Versione con collettore/separatore a 2 zone di distribuzione: una diretta ad alta temperatura e una a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX-C distribution module for zone thermal plants.Version with 2 distribution zones manifold/separator, one of direct distribution in high temperature, one of low temperature with mixing unit. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX-C pour installations thermiques à zones. Version avec collecteur/séparateur à 2 zones de distribution, une de distribution directe en haute température, une de basse température avec unité de mélange. Unités de distribution équipées de pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX-C für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 2 Verteilungszonen, eine fmitdirekter Heißwasserverteilung, eine für Kaltwasser mit Mischeinheit. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX-C para centrales térmicas de zonas. Versión con colector/separador de 2 zonas de distribución, una con distribución directa en alta temperatura, una de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
508134PEI	✓	WILO4F-110	1 High T. module + 1 Low T. module	1.710,84 €	NI	1



• 200089 >> p. 204,322,395,493



• T 5011 U >> p. 252,321,395



• RV 01 >>p. 239,243,252,321,359,395

MUL-C 2HE/1LE



- **Modulo di distribuzione MULTIMIX-C per impianti termici a zone. Versione con collettore/separatore a 3 zone di distribuzione: due diretta ad alta temperatura e una a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX-C distribution module for zone thermal plants.Version with 3 zones distribution manifold/separator, two of direct distributionin high temperature, one of low temperature with mixing unit. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX-C pour installations thermiques à zones. Version avec collecteur/séparateur à 3 zones de distribution, deux avec distribution directe en haute température, une de basse température avec unité de mélange. Unités de distribution équipées d'une pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX-C für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 3 Verteilungszonen, zwei mitdirekter Heißwasserverteilung, eine für Kaltwasser mit Mischeinheit. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX-C para centrales térmicas de zonas. Versión con colector/separador de 3 zonas de distribución, dos con distribución directa en alta temperatura, una de baja temperatura con unidad de mezcla. Unidades de distribución completasde bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
508136PEI	✓	WILO4F-110	2 High T. modules + 1 Low T. module	2.260,90 €	NI	1



• 200090 >> p. 204,322,395,493



• T 5011 U >> p. 252,321,395



• RV 01 >>p. 239,243,252,321,359,395

MUL-C 1HE/2LE



- **Modulo di distribuzione MULTIMIX-C per impianti termici a zone.Versione con collettore/separatore a 3 zone di distribuzione: una diretta ad alta temperatura e due a bassa temperatura con unità di miscelazione. Unità di distribuzione complete di pompa elettronica a velocità variabile.**
- *MULTIMIX-C distribution module for zone thermal plants. Version with 3 zones distribution manifold/separator, one of direct distribution in high temperature, two of low temperature with mixing unit. Distribution units complete of variable speed electronic pump.*
- **Module de distribution MULTIMIX-C pour installations thermiques à zones. Version avec collecteur/séparateur à 3 zones de distribution, une avec distribution directe en haute température, deux de basse température avec unité de mélange. Unités de distribution équipées de pompe électronique à vitesse variable.**
- *Verteilermodul MULTIMIX-C für Zonen-Heizungsanlagen. Ausführung mit Verteiler/Abscheider mit 3 Verteilungszonen, eine mitdirekter Heißwasserverteilung, zwei für Kaltwasser mit Mischeinheit. Verteileraggregate mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo de distribución MULTIMIX-C para centrales térmicas de zonas. Versión con colector/separador de 3 zonas de distribución, una con distribución directa en alta temperatura, dos de baja temperatura con unidad de mezcla. Unidades de distribución completas de bomba electrónica de velocidad variable.**

Code	Insulation	Pump	Size	Price	Class	Packaging
508135PEI	✓	WILO4F-110	1 High T. module + 2 Low T. modules	2.457,02 €	NI	1



• 200090 >> p. 204,322,395,493



• T 5011 U >> p. 252,321,395



• RV 01 >>p. 239,243,252,321,359,395

WILO4F



- **Circolatore elettronico a velocità variabile.**
- *Variable speed electronic circulator.*
- **Circulateur chauffage électronique à vitesse variable.**
- *Elektronische Umwälzpumpe mit variabler Geschwindigkeit*
- **Circulador electrónico de velocidad variable.**

Code	Size	Head loss	Price	Class	Packaging
WILO4F-110	1" - 110 mm	6 m	341,98 €	HK	1 / 4

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MUL-C 0032 AC



- **Collettore principale di distribuzione a 2 vie con separatore idraulico intercettabile per sistema MULTIMIX-C, completo di valvole a sfera e sfiato aria automatico.**
- *2-way main distribution manifold with interceptable hydraulic separator for MULTIMIX-C system, complete with ball valves and automatic air vent.*
- **Collecteur principal de distribution à 2 voies avec séparateur hydraulique interceptable pour système MULTIMIX-C, constitué de vannes à bille et purgeur d'air automatique.**
- *2-Wege Hauptmodulverteiler mit hydraulischen Weichen für das MULTIMIX-C System, mit Kugelventilen und automatischem Schnellentlüfter.*
- **Colector principal de distribución a 2 vías con separador hidráulico para el sistema de MULTIMIX-C, con válvulas de bola y purga automática.**

Code	Included Accessories	Ways	Size	Price	Class	Packaging
508153	AC 655 NST + AC 620	2	G 1" F x G 3/4" F	401,73 €	NI	1

MUL-C 0033 AC



- **Collettore principale di distribuzione a 3 vie con separatore idraulico intercettabile per sistema MULTIMIX-C, completo di valvole a sfera e sfiato aria automatico.**
- *3-way main distribution manifold with interceptable hydraulic separator for MULTIMIX-C system, complete with ball valves and automatic air vent.*
- **Collecteur principal de distribution à 3 voies avec séparateur hydraulique interceptable pour système MULTIMIX-C, constitué de vannes à bille et purgeur d'air automatique.**
- *3-Wege Hauptmodulverteiler mit hydraulischen Weichen für das MULTIMIX-C System, mit Kugelventilen und automatischem Schnellentlüfter.*
- **Colector principal de distribución a 3 vías con separador hidráulico para el sistema de MULTIMIX-C, con válvulas de bola y purga automática.**

Code	Included Accessories	Ways	Size	Price	Class	Packaging
508154	AC 655 NST + AC 620	3	G 1" F x G 3/4" F	455,01 €	NI	1

MUL-C 10 E



- **Kit di mandata diretta in alta temperatura con/senza pompa elettronica a velocità variabile per sistema MULTIMIX-C.**
- *High temperature direct flow kit with/without variable speed electronic pump for MULTIMIX-C system.*
- **Kit d'envoi direct en haute température avec/sans pompe électronique à vitesse variable pour le système MULTIMIX-C.**
- *Direktversorgungs-Heißwassersatz mit/ohne elektronischer Pumpe mit variabler Geschwindigkeit für das MULTIMIX-C System.*
- **Kit de envío directo de alta temperatura con/sin bomba electrónica de velocidad variable para sistema MULTIMIX-C.**

Code	Pump	Size	Insulation	Price	Class	Packaging
508155		G 3/4" M	-	142,66 €	NI	1
508155I		G 3/4" M	✓	215,83 €	NI	1
508155PE	WILO4F-110	G 3/4" M	-	493,35 €	NI	1
508155PEI	WILO4F-110	G 3/4" M	✓	566,51 €	NI	1

MUL-C 20 E



- **Kit di miscelazione in bassa temperatura con/senza pompa elettronica a velocità variabile per sistema MULTIMIX-C.**
- *Low temperature mixing kit with/without variable speed electronic pump for MULTIMIX-C system.*
- **Kit de mélange en basse température complet de pompe électronique à vitesse variable pour système MULTIMIX-C.**
- *Fußbodenheizungs-Mischersatz mit/ohne elektronischer Pumpe mit variabler Geschwindigkeit für das MULTIMIX-C System.*
- **Kit de mezcla de baja temperatura con/sin bomba electrónica de velocidad variable para sistema MULTIMIX-C.**

Code	Pump	Size	Insulation	Price	Class	Packaging
508156		G 3/4" M	-	338,80 €	NI	1
508156I		G 3/4" M	✓	411,95 €	NI	1
508156PE	WILO4F-110	G 3/4" M	-	689,48 €	NI	1
508156PEI	WILO4F-110	G 3/4" M	✓	762,65 €	NI	1



• T 5011 U >> p. 252,321,395



• RV 01 >>p. 239,243,252,321,359,395

ACM 667



- **Valvola di bypass per MULTIMIX-C.**
- *Bypass valve for MULTIMIX-C.*
- **Vanne de bypass pour MULTIMIX-C.**
- *Bypass-Ventil für MULTIMIX-C.*
- **Válvula de bypass para MULTIMIX-C.**

Code	Size	Range	Price	Class	Packaging
508141	3/4"	0,2-0,6 bar	93,21 €	NI	1

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ACCESSORIES FOR MULTIMIX - MULTIMIX•C

T 5011 U



- **Testa termostatica con comando incorporato e sensore remoto ad immersione.**
- *Thermostatic head with incorporated control and immersion remote sensor.*
- **Tête thermostatique avec commande incorporée et capteur à distance à immersion.**
- *Thermostat-Kopf mit eingebauter Steuerung und Eintauch-Fernfühler.*
- **Cabeza termostático con mando incorporado y sensor remoto de inmersión.**

Code	Size	Range	Length	Price	Class	Packaging
501175U	M30 x 1,5 - 1/2"	30-55 °C	1 m	54,57 €	AA	5 / 40

RV 01



- **Servomotore assiale. Compatibile con tutti i vitoni termostatici IVAR.**
- *Axial motor. Suitable for all IVAR thermostatic inserts.*
- **Servomoteur axial. Adapté pour tous les inserts thermostatiques IVAR.**
- *Axial-Stellantrieb. Geeignet für alle Thermostat-Reguliervorrichtungen IVAR.*
- **Servomotor axial. Adecuado para todos los tornillos termostáticos IVAR.**

Code	Size	Price	Class	Packaging
501381	M30 x 1,5 - 3-point regulation (230 V AC)	141,88 €	PC	1 / 100
501383	M30 x 1,5 - Proportional 0-10 V (24 V AC/DC)	164,60 €	PC	1 / 100



- **CLIMA•HUB - Regolatore elettronico per impianti di riscaldamento e raffrescamento >>p. 349**
- *CLIMA•HUB - Electronic controller for heating and cooling systems >>p. 349*
- **CLIMA•HUB - Régulateur électronique pour systèmes de chauffage et de refroidissement >>p. 349**
- *CLIMA•HUB - Elektronischer Regler für Heiz- und Kühlsysteme >>p. 349*
- **CLIMA•HUB - Regulador electrónico para sistemas de calefacción y refrigeración >>p. 349**

RA 761



- **Raccordo a stringere diritto maschio per tubo multistrato.**
- *Compression straight male fitting for multilayer pipe.*
- **Raccord à serrage droit mâle pour tube multi-couche.**
- *Durchgang AG Pressanschluss für Verbundrohr.*
- **Racor de compresión recto macho para tubo multicapa.**

Code	Size	Color	Price	Class	Packaging
500043N	3/4" M x 20/2		7,88 €	LA	25 / 100
501361N	3/4" M x 25/2,5		12,01 €	LA	25 / 100
500122N	3/4" M x 25/3		12,01 €	LA	25 / 100
501084N	3/4" M x 26/3		12,01 €	LA	25 / 100
501497N	3/4" M x 32/3		19,01 €	LA	15 / 60

AC 672



- **Chiave per montaggio/smontaggio della pompa.**
- *Wrench for pump installation/removal.*
- **Clé pour montage/démontage de la pompe.**
- *Schlüssel für Montage und Demontage der Pumpe.*
- **Llave para montaje/desmontaje de la bomba.**

Code	Size	Price	Class	Packaging
200147	52 mm	57,35 €	NI	1

RP 731



- **Raccordo a stringere diritto maschio per tubo in polietilene.**
- *Compression straight male fitting for polyethylene pipe.*
- **Raccord à serrage droit mâle pour tube en polyéthylène.**
- *Durchgang AG Pressanschluss für Polyäthylenrohr.*
- **Racor de compresión recto macho para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
506209N	3/4" M x 20/2,3		7,59 €	LA	25 / 100
501051N	3/4" M x 20/2,8		7,59 €	LA	25 / 100
501054N	3/4" M x 25/2,3		12,07 €	LA	25 / 100
550042N	3/4" M x 25/2,5		12,07 €	LA	25 / 100
501052N	3/4" M x 25/3,5		12,07 €	LA	25 / 100

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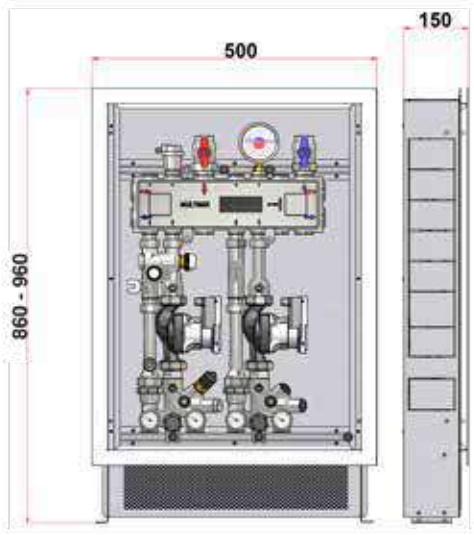
AC 830

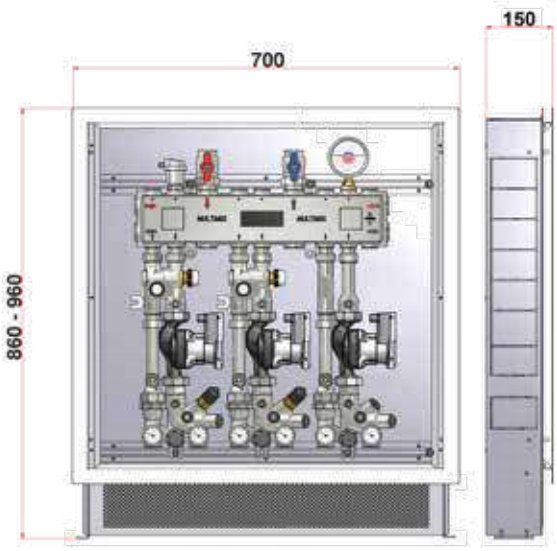


- **Cassetta murale ad incasso con altezza e profondità variabili per collettori e moduli MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.**
- *Wall fitted cabinet with variable height and depth for manifolds and MC / IVAR-SAT / MULTIMIX / MULTIMIX-C modules.*
- **Cassette murale encastrable avec hauteur et profondeur variables pour collecteurs et modules MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.**
- *Einbauwandkasten mit variabler Höhe und Tiefe für Verteiler und Module MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.*
- **Caja mural de empotrar de altura y profundidad variables para colectores y modulos MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.**

Code	Height	Width	Depth	Module	Price	Class	Packaging
200089	860-960 mm	500 mm	110-160 mm	2-way Multimix/Multimix-C	309,94 €	NZ	1
200090	860-960 mm	700 mm	110-160 mm	MC 1/11/12/13/14 - MC4 series (1") - IVAR-SAT H/L/LE - 3-way Multimix/Multimix-C	342,76 €	NZ	1
200190	860-960 mm	900 mm	110-160 mm	MC2 series - IVAR-SAT HL/HLE	452,88 €	NZ	1

DIMENSIONS OF MULTIMIX 2-WAY AND 3-WAY MODULES WITH INSULATION INSTALLED IN THE CABINET





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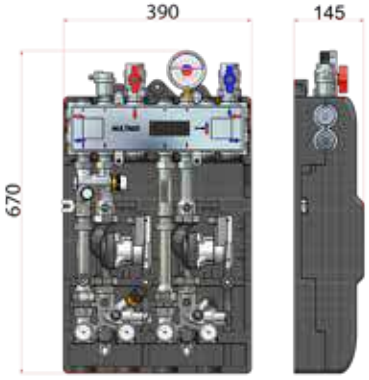
AMUL 01

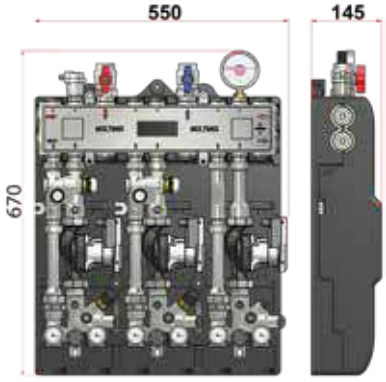


- **Coibentazione per sistema MULTIMIX / MULTIMIX-C.**
- *Insulation for MULTIMIX / MULTIMIX-C system.*
- **Isolation pour système MULTIMIX / MULTIMIX-C.**
- *Isolierung für das MULTIMIX / MULTIMIX-C System.*
- **Aislamiento para el sistema MULTIMIX / MULTIMIX-C.**

Code	Size	Height	Width	Depth	Price	Class	Packaging
506360	1 module	460 mm	280 mm	145 mm	70,01 €	NI	1
506361	2 modules	610 mm	390 mm	145 mm	82,94 €	NI	1
506362	3 modules	575 mm	550 mm	145 mm	102,71 €	NI	1

DIMENSIONS OF MULTIMIX 2-WAY AND 3-WAY MODULES WITH INSULATION ONLY





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VARIMIX

Varimix gets a complete makeover! Our modular high-flow rate system for thermal power stations is now even more flexible and compact, specifically designed to be combined with heat pumps and for heating and cooling applications.
With Varimix, you can easily realise a distribution station, with boosting and mixing units, optimising space.
The system is based on a few components that can be combined according to installation needs.
Each component of the Varimix system can be combined with contact insulation that prevents condensation in case of cooling systems. For mixing or booster modules, the insulation is available in four different versions, depending on the circulator.

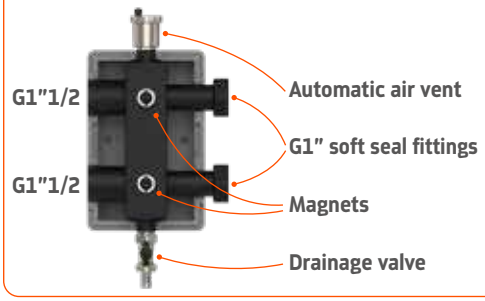
⊕ PLUS

- **Ideal for combination with HEAT PUMPS**
- **Perfect for HEATING and COOLING applications**
- **COMPACT AND FLEXIBLE**
- **REVERSIBILITY: the hydraulic separator can be installed with supply from the right or left**
- **Possibility of DISTRIBUTION DOWNWARDS AND/OR UPWARDS**

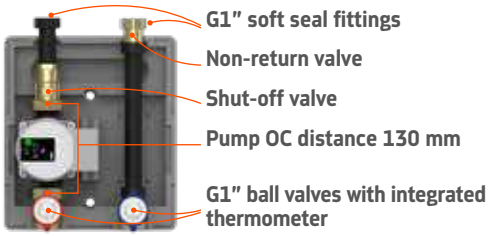


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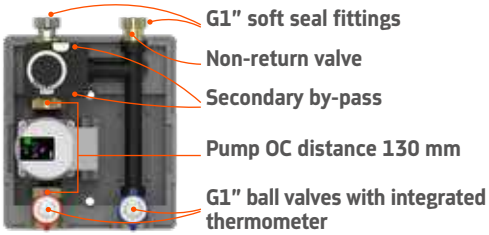
Hydraulic separator



Reversible direct distribution kit

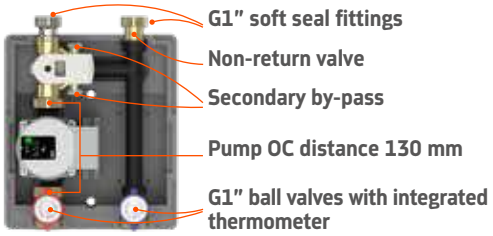


Reversible mixing kit with rotor valve



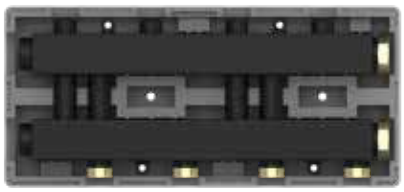
Reversible mixing kit with piston valve

COMING SOON



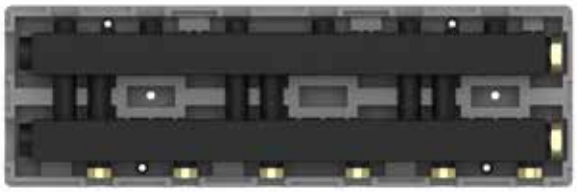
2-way manifold

- 1 inlet connection – 5 outlet connections
- Threads: side connections G1"1/2 – others: G1"
- It is possible to connect two manifolds together



3-way manifold

- 1 inlet connection – 7 outlet connections
- Threads: side connections G1"1/2 – others: G1"
- It is possible to connect two manifolds together



Kit with primary circuit overpressure bypass



Kit with secondary circuit overpressure bypass



Kit with differential pressure meter for secondary circuit balancing



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VAR 00



- **Separatore idraulico/equilibratore di pressione con valvola di sfiato aria automatica per sistema VARIMIX.**
- *Hydraulic separator/pressure equalizer with automatic air vent valve for VARIMIX system.*
- **Séparateur hydraulique/équilibreur de pression avec purgeur d'air automatique pour système VARIMIX.**
- *Hydraulische Weiche/Druckausgleicher mit automatischem Entlüftungsventil für System VARIMIX.*
- **Separador hidráulico/equilibrador de presión con válvula automática de purga de aire para el sistema VARIMIX.**

Code	Size	Price	Class	Packaging
550634	1"1/2 - Q Max 4.500 l/h	309,57 €	NI	1

VAR 30 2W



- **Collettore modulare di distribuzione a 2 vie per sistema VARIMIX.**
- *2-way modular distribution manifold for VARIMIX system.*
- **Collecteur modulaire de distribution à 2 voies pour système VARIMIX.**
- *Modularer 2-Wege-Verteiler für System VARIMIX.*
- **Colector modular de distribución de 2 vías para el sistema VARIMIX.**

Code	Size	Price	Class	Packaging
550638	1"1/2 x 1"	513,88 €	NI	1

VAR 30 3W



- **Collettore modulare di distribuzione a 3 vie per sistema VARIMIX.**
- *3-way modular distribution manifold for VARIMIX system.*
- **Collecteur modulaire de distribution à 3 voies pour système VARIMIX.**
- *Modularer 3-Wege-Verteiler für System VARIMIX.*
- **Colector modular de distribución de 3 vías para el sistema VARIMIX.**

Code	Size	Price	Class	Packaging
550639	1"1/2 x 1"	594,01 €	NI	1

VAR 10



- **Kit di mandata diretta in alta temperatura per sistema VARIMIX.**
- *High temperature direct flow kit for VARIMIX system.*
- **Kit d'envoi direct en haute température pour système VARIMIX.**
- *Direktversorgungs-Heißwassersatz für System VARIMIX.*
- **Kit de envío directo de alta temperatura para el sistema VARIMIX.**

Code	Pump	Size	Insulation type	Price	Class	Packaging
550633		1"	WILO pump	292,98 €	NI	1
550633D		1"	DAB pump	283,48 €	NI	1
550633G		1"	GRUNDFOS pump	283,48 €	NI	1
550633P	WILO3F	1"	WILO pump	522,23 €	NI	1
550633PE	WILO4F	1"	WILO pump	546,43 €	NI	1



• RA 761 / RP 731 >>p. 129,214,321

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VAR 20



- **Kit di miscelazione in bassa temperatura con valvola miscelatrice a rotore per sistema VARIMIX.**
- *Low temperature mixing kit equipped with rotor mixing valve for VARIMIX system.*
- **Kit de mélange en basse température complet de vanne mélangeuse à rotor pour système VARIMIX.**
- *Fußbodenheizungs-Mischersatz mit Rotor-Mischventil für System VARIMIX.*
- **Kit de mezcla de baja temperatura completo de válvula mezcladora de rotor por sistema VARMIX.**

Code	Pump	Kv	Size	Insulation type	Price	Class	Packaging
5506312		2	1"	WILO pump	410,00 €	NI	1
5506312D		2	1"	DAB pump	410,00 €	NI	1
5506312G		2	1"	GRUNDFOS pump	410,00 €	NI	1
5506312P	WILO3F	2	1"	WILO pump	637,50 €	NI	1
5506312PE	WILO4F	2	1"	WILO pump	662,50 €	NI	1
5506314		4	1"	WILO pump	410,00 €	NI	1
5506314D		4	1"	DAB pump	410,00 €	NI	1
5506314G		4	1"	GRUNDFOS pump	410,00 €	NI	1
5506314P	WILO3F	4	1"	WILO pump	637,50 €	NI	1
5506314PE	WILO4F	4	1"	WILO pump	662,50 €	NI	1
5506316		6	1"	WILO pump	410,00 €	NI	1
5506316D		6	1"	DAB pump	410,00 €	NI	1
5506316G		6	1"	GRUNDFOS pump	410,00 €	NI	1
5506316P	WILO3F	6	1"	WILO pump	637,50 €	NI	1
5506316PE	WILO4F	6	1"	WILO pump	662,50 €	NI	1
5506318		8	1"	WILO pump	410,00 €	NI	1
5506318D		8	1"	DAB pump	410,00 €	NI	1
5506318G		8	1"	GRUNDFOS pump	410,00 €	NI	1
5506318P	WILO3F	8	1"	WILO pump	637,50 €	NI	1
5506318PE	WILO4F	8	1"	WILO pump	662,50 €	NI	1

M 106



- **Servomotore per valvole miscelatrici a settore.**
- *Motor for rotor mixing valves.*
- **Servomoteur pour vannes mélangeuses à rotor.**
- *Stellantrieb für Rotor-Mischventile.*
- **Servomotor para válvulas mezcladoras de rotor.**

Code	Size	Price	Class	Packaging
501394	3-point regulation (230 V AC)	167,29 €	PC	1 / 8
501395	Proportional 0-10 V (24 V AC)	337,66 €	PC	1 / 8
501396	3-point regulation (24 V AC)	200,34 €	PC	10

CTC 20



- **Attuatore rotativo con regolatore e sonde incorporati per il controllo a punto fisso delle valvole miscelatrici.**
- *Revolving actuator with incorporated regulator and probes for fixed point control of mixing valves.*
- **Actionneur rotatif avec régulateur et sondes incorporés pour le contrôle à point fixe des vannes mélangeuses.**
- *Drehbar Stellantrieb mit eingebauter Regler und Fühler für festwert Bedingung der Mischventile.*
- **Actuador rotativo con regulador y sondas incorporados para el control a punto fijo de las válvulas mezcladoras.**

Code	Size	Price	Class	Packaging
501648	230 V AC	477,76 €	PC	1

ADH 20



- **Attuatore rotativo con regolatore e sonde incorporati per controllo climatico delle valvole miscelatrici.**
- *Revolving actuator with incorporated regulator and probes for climatic control of mixing valves.*
- **Actionneur rotatif avec régulateur et sondes incorporés pour le contrôle climatique des vannes mélangeuses.**
- *Drehbar Stellantrieb mit eingebauten Regler und Fühler für klimatisch Bedingung der Mischventile.*
- **Actuador rotativo con regulador y sondas incorporados para el control climático de las válvulas mezcladoras.**

Code	Size	Price	Class	Packaging
501647	230 V AC	949,28 €	PC	1

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AVAR 10



- **Kit con by-pass di sovrapressione del circuito secondario per sistema VARIMIX.**
- *Kit with secondary circuit overpressure bypass for VARIMIX system.*
- **Kit avec by-pass de surpression du circuit secondaire pour le système VARIMIX.**
- *Bausatz mit Überdruck-Bypass im Sekundärkreislauf für das VARIMIX-System.*
- **Kit con bypass de sobrepresión del circuito secundario para el sistema VARIMIX.**

Code	Size	Range	Price	Class	Packaging
550635	1"	0,2-0,6 bar	116,10 €	NI	1

AVAR 15



- **Kit con misuratore di pressione differenziale per il bilanciamento del circuito secondario per sistema VARIMIX.**
- *Kit with differential pressure meter for secondary circuit balancing for VARIMIX system.*
- **Kit de mesure de la pression différentielle pour l'équilibrage du circuit secondaire du système VARIMIX.**
- *Differenzdruckmesser-Bausatz für den Abgleich des Sekundärkreislaufs für das VARIMIX-System.*
- **Kit con medidor de presión diferencial para equilibrado del circuito secundario del sistema VARIMIX.**

Code	Size	Price	Class	Packaging
550636	1"	380,60 €	NI	1

AVAR 20



- **Kit con by-pass di sovrapressione del circuito primario per sistema VARIMIX.**
- *Kit with primary circuit overpressure bypass for VARIMIX system.*
- **Kit avec by-pass de surpression du circuit primaire pour le système VARIMIX.**
- *Bausatz mit Überdruck-Bypass im Primärkreislauf für das VARIMIX-System.*
- **Kit con bypass de sobrepresión del circuito primario para el sistema VARIMIX.**

Code	Size	Price	Class	Packaging
550637	1"	144,59 €	NI	1

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STORAGE TANKS

The storage tank is the thermal inertia of the installation, and can store domestic hot water or "primary" heating water. Domestic hot water is heated and stored in boilers, which support efficient demand management from single users or the condominium's installation. They may be in stainless steel or carbon steel with internally treated surface and with corrosion-proof protection.
Buffer tanks, on the other hand, store heating water, are less delicate than DHW boilers and are suitable for storing energy from a variety of sources and make it available to the heating system and for the production of instant on-demand domestic hot water.
There are also systems that store technical water, but also a more or less plentiful quantity of domestic water: this is the case of "tank-in-tank" systems and systems with large-sized, built-in DHW coil, for „semi-instant" production of DHW.
IVAR offers traditional technical water storage cylinders, with semi-instantaneous coils, thermal vents and solutions for the improvement of temperature stratification; the ran also includes "tank-in-tank" systems and boilers for domestic hot water, also with larger coil for coupling with heat pump.

Adatto per acqua tecnica per riscaldamento.
Suitable for heating water.
Adapté pour de l'eau de chauffage.
Geeignet für Heizwasser.
Adecuado para agua técnica para calefacción.

Integrabile con pompa di calore (serpentino maggiorato).
Integrable with heat pump (larger coil).
Intégrable avec la pompe à chaleur (serpentin avec une plus grande surface).
Integrierbar mit Wärmepumpe (Rohrschlange mit vergrößerter Oberfläche).
Integrable con la bomba de calor (serpentín con una mayor superficie).

Adatto per acqua sanitaria.
Suitable for domestic water.
Adapté pour de l'eau sanitaire.
Geeignet für Trinkwasser.
Adecuado para agua sanitaria.

Adatto per acqua tecnica per riscaldamento e refrigerata.
Suitable for heating and cooling water.
Adapté pour de l'eau de chauffage et réfrigérée.
Geeignet für Heizwasser und Kühlwasser.
Adecuado para agua técnica para calefacción y refrigerada..

Integrabile con sistema solare termico.
Integrable with solar thermal system.
Intégrable avec système solaire thermique.
Integrierbar mit solarthermischem System.
Integrable con el sistema de energía solar térmica.

WWM



- **Accumulatore con superficie interna trattata per acqua sanitaria, uno scambiatore di calore a serpentino con superficie maggiorata (adatto per la connessione della pompa di calore) e coibentazione in poliuretano.**
- *Storage tank equipped with treated inner surface for domestic water, one coil heat exchanger with larger surface (suitable for heat pump connection) and polyurethane insulation.*
- **Réservoir d'accumulation avec la surface intérieure traitée pour de l'eau sanitaire, un échangeur de chaleur à serpentin avec une plus grande surface (approprié pour le raccordement de la pompe à chaleur) et l'isolation en polyuréthane.**
- *Speicher für Brauchwasser intern behandelt, mit einem Rohrschlange-Wärmetauscher mit vergrößerter Oberfläche (für die Verbindung der Wärmepumpe) und Isolierung aus Polyurethan.*
- **Acumulador con la superficie interior tratada para agua sanitaria, intercambiador de calor de serpentín con una mayor superficie (adecuado para la conexión de la bomba de calor) y aislamiento de poliuretano.**

Code	Size	Efficiency class	Insulation type	Insulation thickness	Price	Class	Packaging
1Y5920D	200 l	C	Injected hard polyurethane	50 mm	On request	Z5	1
1Y5930D	300 l	C	Injected hard polyurethane	50 mm	On request	Z5	1
1Y5940D	400 l	D	Injected hard polyurethane	50 mm	On request	Z5	1
1Y5950D	500 l	D	Injected hard polyurethane	50 mm	On request	Z5	1
1Y59805	800 l		Soft polyurethane	100 mm	On request	Z5	1
1Y59A05	1000 l		Soft polyurethane	100 mm	On request	Z5	1

EPM

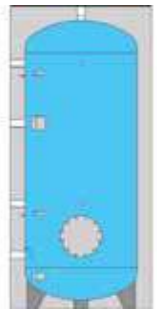


- **Accumulatore con superficie interna trattata per acqua sanitaria, 2 scambiatori di calore a serpentino (scambiatore di calore superiore con superficie maggiorata, adatto per la connessione della pompa di calore) e coibentazione in poliuretano.**
- *Storage tank equipped with treated inner surface for domestic water, 2 coil heat exchangers (upper heat exchanger with larger surface, suitable for heat pump connection) and polyurethane insulation.*
- **Réservoir d'accumulation avec la surface intérieure traitée pour de l'eau sanitaire, 2 échangeurs de chaleur à serpentin (échangeur de chaleur supérieur avec une plus grande surface, approprié pour le raccordement de la pompe à chaleur) et l'isolation en polyuréthane.**
- *Speicher für Brauchwasser intern behandelt, mit 2 Rohrschlange-Wärmetauschern vorgerüstet (Wärmetauscher oben mit vergrößerter Oberfläche für die Verbindung der Wärmepumpe) und Isolierung aus Polyurethan.*
- **Acumulador con la superficie interior tratada para agua sanitaria, 2 intercambiadores de calor de serpentín (intercambiador de calor superior con una mayor superficie, adecuado para la conexión de la bomba de calor) y aislamiento de poliuretano.**

Code	Size	Efficiency class	Insulation type	Insulation thickness	Price	Class	Packaging
1Y7830D	300 l	C	Polyester	50 mm	On request	Z5	1
1Y7850D	500 l	D	Polyester	50 mm	On request	Z5	1

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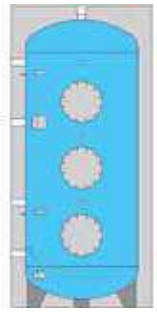
VS1



- **Accumulatore con superficie interna trattata per acqua sanitaria, predisposizione per l'inserimento di uno scambiatore di calore a serpentino estraibile e coibentazione in poliuretano.**
- *Storage tank equipped with treated inner surface for domestic water, housing for the installation of one removable coil heat exchanger and polyurethane insulation.*
- **Réservoir d'accumulation avec la surface intérieure traitée pour de l'eau sanitaire, une fente pour l'insertion d'un échangeur de chaleur à serpentin amovible et l'isolation en polyuréthane.**
- *Speicher für Brauchwasser intern behandelt, für das Einfügen von einem herausziehbarem Rohrschlange-Wärmetauscher vorgerüstet, mit Isolierung aus Polyurethan.*
- **Acumulador con la superficie interior tratada para agua sanitaria, predisposición para la introducción de un intercambiador de calor de serpentín extraíble y aislamiento de poliuretano.**

Code	Size	Efficiency class	Insulation type	Insulation thickness	Price	Class	Packaging
1K09309	300 l	C	Polyester	100 mm	On request	Z5	1
1K09509	500 l	D	Polyester	100 mm	On request	Z5	1
1K09805	800 l		Soft polyurethane	100 mm	On request	Z5	1
1K09A05	1000 l		Soft polyurethane	100 mm	On request	Z5	1
1J09A55	1500 l		Soft polyurethane	100 mm	On request	Z5	1
1J09B05	2000 l		Soft polyurethane	100 mm	On request	Z5	1
1J09C05	3000 l		Soft polyurethane	100 mm	On request	Z5	1
1J09D05	4000 l		Soft polyurethane	100 mm	On request	Z5	1
1J09E05	5000 l		Soft polyurethane	100 mm	On request	Z5	1

VS3



- **Accumulatore con superficie interna trattata per acqua sanitaria, predisposizione per l'inserimento di 3 scambiatori di calore a serpentino estraibili e coibentazione in poliuretano.**
- *Storage tank equipped with treated inner surface for domestic water, housings for the installation of 3 removable coil heat exchangers and polyurethane insulation.*
- **Réservoir d'accumulation avec la surface intérieure traitée pour de l'eau sanitaire, les fentes pour l'insertion de 3 échangeurs de chaleur à serpentin amovibles et l'isolation en polyuréthane.**
- *Speicher für Brauchwasser intern behandelt, für das Einfügen von 3 herausziehbaren Rohrschlange-Wärmetauschern vorgerüstet, mit Isolierung aus Polyurethan.*
- **Acumulador con la superficie interior tratada para agua sanitaria, predisposición para la introducción de 3 intercambiadores de calor de serpentín extraíbles y aislamiento de poliuretano.**

Code	Size	Insulation type	Insulation thickness	Price	Class	Packaging
1K11805	800 l	Soft polyurethane	100 mm	On request	Z5	1
1K11A05	1000 l	Soft polyurethane	100 mm	On request	Z5	1
1J11A55	1500 l	Soft polyurethane	100 mm	On request	Z5	1
1J11B05	2000 l	Soft polyurethane	100 mm	On request	Z5	1
1J11B55	2500 l	Soft polyurethane	100 mm	On request	Z5	1
1J11C05	3000 l	Soft polyurethane	100 mm	On request	Z5	1
1J11D05	4000 l	Soft polyurethane	100 mm	On request	Z5	1
1J11E05	5000 l	Soft polyurethane	100 mm	On request	Z5	1

IVAR.SR



- **Scambiatore di calore a serpentino estraibile in rame alettato stagnato per accumulatori VS.**
- *Removable finned tin-coated copper coil heat exchanger for VS storage tanks.*
- **Échangeur de chaleur à serpentin amovible en cuivre étamé avec ailettes pour réservoirs d'accumulation VS.**
- *Herausziehbar Rohrschlange-Wärmetauscher aus geripptem verzinntem Kupfer für Speicher VS.*
- **Intercambiador de calor de serpentín extraíble de cobre estañado con aletas para acumuladores VS.**

Code	Size	Price	Class	Packaging
4000607	1,21 m² - 0,7 l	On request	Z5	1
4000608	1,80 m² - 1,4 l	On request	Z5	1
4000609	2,63 m² - 2,0 l	On request	Z5	1
4000610	3,20 m² - 2,5 l	On request	Z5	1
4000611	4,54 m² - 3,5 l	On request	Z5	1
4000612	6,34 m² - 5,0 l	On request	Z5	1

AS 4000

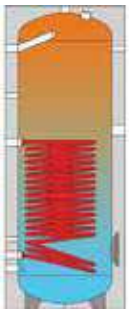


- **Anodo sacrificale al magnesio o elettronico.**
- *Magnesium-type or electronic sacrificial anode.*
- **Anode superficielle au magnésium ou électronique.**
- *Opferanode mit Magnesium oder Elektronisch.*
- **Ánodo de sacrificio de magnesio o electrónico.**

Code	Size	Price	Class	Packaging
4000200	Electronic - 1/2" - 450 mm	On request	Z5	1
4000201	Electronic - 1/2" - 550 mm	On request	Z5	1
4000202	Mg - 1 1/4" - 400 mm	On request	Z5	1
4000205	Mg - 1 1/4" - 700 mm	On request	Z5	1

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SP



- **Accumulatore con superficie interna trattata per acqua sanitaria, uno scambiatore di calore a serpentino e coibentazione in poliuretano.**
- *Storage tank equipped with treated inner surface for domestic water, one coil heat exchanger and polyurethane insulation.*
- **Réservoir d'accumulation avec la surface intérieure traitée pour de l'eau sanitaire, un échangeur de chaleur à serpentin et l'isolation en polyuréthane.**
- *Speicher für Brauchwasser intern behandelt, mit einem Rohrschlange-Wärmetauscher und Isolierung aus Polyurethan.*
- **Acumulador con la superficie interior tratada para agua sanitaria, intercambiador de calor de serpentín y aislamiento de poliuretano.**

Code	Size	Efficiency class	Insulation type	Insulation thickness	Price	Class	Packaging
1K0115D	150 l	B	Injected hard polyurethane	50 mm	On request	Z5	1
1K0120D	200 l	C	Injected hard polyurethane	50 mm	On request	Z5	1
1K0130D	300 l	C	Injected hard polyurethane	50 mm	On request	Z5	1
1K0140D	400 l	D	Injected hard polyurethane	50 mm	On request	Z5	1
1K0150D	500 l	D	Injected hard polyurethane	50 mm	On request	Z5	1
1K0160D	600 l		Injected hard polyurethane	50 mm	On request	Z5	1
1K0180Z	800 l		Soft polyurethane	100 mm	On request	Z5	1
1K01A0Z	1000 l		Soft polyurethane	100 mm	On request	Z5	1

SPS

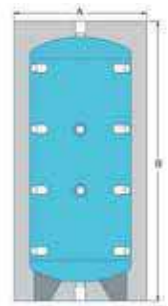


- **Accumulatore con superficie interna trattata per acqua sanitaria, 2 scambiatori di calore a serpentino e coibentazione in poliuretano.**
- *Storage tank equipped with treated inner surface for domestic water, 2 coil heat exchangers and polyurethane insulation.*
- **Réservoir d'accumulation avec la surface intérieure traitée pour de l'eau sanitaire, 2 échangeurs de chaleur à serpentin et l'isolation en polyuréthane.**
- *Speicher für Brauchwasser intern behandelt, mit 2 Rohrschlange-Wärmetauschern vorgerüstet und Isolierung aus Polyurethan.*
- **Acumulador con la superficie interior tratada para agua sanitaria, 2 intercambiadores de calor de serpentín y aislamiento de poliuretano.**

Code	Size	Efficiency class	Insulation type	Insulation thickness	Price	Class	Packaging
1K0220D	200 l	C	Injected hard polyurethane	50 mm	On request	Z5	1
1K0230D	300 l	C	Injected hard polyurethane	50 mm	On request	Z5	1
1K0240D	400 l	D	Injected hard polyurethane	50 mm	On request	Z5	1
1K0250D	500 l	D	Injected hard polyurethane	50 mm	On request	Z5	1
1K0280Z	800 l		Soft polyurethane	100 mm	On request	Z5	1
1K02A0Z	1000 l		Soft polyurethane	100 mm	On request	Z5	1

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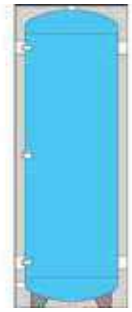
PS



- **Accumulatore per acqua tecnica per riscaldamento con coibentazione in poliuretano, senza scambiatori di calore a serpentino.**
- *Heating water storage tank equipped with polyurethane insulation, with no coil heat exchangers.*
- **Réservoir d'accumulation pour de l'eau de chauffage avec isolation en polyuréthane, sans échangeurs de chaleur à serpentin.**
- *Speicher für Heizwasser mit Isolierung aus Polyurethan, ohne Rohrschlange-Wärmetauscher.*
- **Acumulador para agua técnica para calefacción con aislamiento de poliuretano, sin intercambiadores de calor de serpentín.**

Code	Size	Efficiency class	Insulation type	Insulation thickness	Price	Class	Packaging
1V12305	300 l	C	Polyester	100 mm	On request	Z5	1
1V12505	500 l	C	Polyester	100 mm	On request	Z5	1
1V12805	800 l		Soft polyurethane	100 mm	On request	Z5	1
1V12A05	1000 l		Soft polyurethane	100 mm	On request	Z5	1
1V12A35	1250 l		Soft polyurethane	100 mm	On request	Z5	1
1V12A55	1500 l		Soft polyurethane	100 mm	On request	Z5	1
1V12B05	2000 l		Soft polyurethane	100 mm	On request	Z5	1
1V12C05	3000 l		Soft polyurethane	100 mm	On request	Z5	1
1V12D05	4000 l		Soft polyurethane	100 mm	On request	Z5	1
1V12E05	5000 l		Soft polyurethane	100 mm	On request	Z5	1

PSS

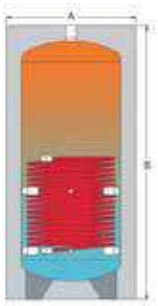


- **Accumulatore per acqua tecnica per riscaldamento e refrigerata con coibentazione anticondensa in poliuretano, senza scambiatori di calore a serpentino.**
- *Heating and cooling water storage tank equipped with anti-condensing polyurethane insulation, with no coil heat exchangers.*
- **Réservoir d'accumulation pour de l'eau de chauffage et réfrigérée avec isolation spéciale contre la condensation en polyuréthane, sans échangeurs de chaleur à serpentin.**
- *Speicher für Heizwasser und Kühlwasser mit Antikondensationsisolierung aus Polyurethan, ohne Rohrschlange-Wärmetauscher.*
- **Acumulador para agua técnica para calefacción y refrigerada con aislamiento de poliuretano, sin intercambiadores de calor de serpentín.**

Code	Size	Efficiency class	Insulation type	Insulation thickness	Price	Class	Packaging
1V1905D	50 l	B	Injected hard polyurethane	50 mm	On request	Z5	1
1V1910D	100 l	B	Injected hard polyurethane	50 mm	On request	Z5	1
1V1920D	200 l	C	Injected hard polyurethane	50 mm	On request	Z5	1
1V1930D	300 l	C	Injected hard polyurethane	50 mm	On request	Z5	1
1V1950D	500 l	D	Injected hard polyurethane	50 mm	On request	Z5	1
1V19801	800 l		PEXL	30 mm	On request	Z5	1
1V19A01	1000 l		PEXL	30 mm	On request	Z5	1

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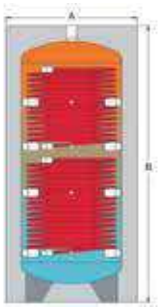
PSR



- **Accumulatore per acqua tecnica con uno scambiatore di calore a serpentino e coibentazione in poliuretano.**
- *Heating water storage tank equipped with one coil heat exchanger and polyurethane insulation.*
- **Réservoir d'accumulation pour de l'eau de chauffage avec un échangeur de chaleur à serpentin et l'isolation en polyuréthane.**
- *Speicher für Heizwasser mit einem Rohrschlange-Wärmetauscher und Isolierung aus Polyurethan.*
- **Acumulador para agua técnica con un intercambiador de calor de serpentín y aislamiento de poliuretano.**

Code	Size	Efficiency class	Insulation type	Insulation thickness	Price	Class	Packaging
1V13305	300 l	C	Polyester	100 mm	On request	Z5	1
1V13505	500 l	C	Polyester	100 mm	On request	Z5	1
1V13805	800 l		Soft polyurethane	100 mm	On request	Z5	1
1V13A05	1000 l		Soft polyurethane	100 mm	On request	Z5	1
1V13A35	1250 l		Soft polyurethane	100 mm	On request	Z5	1
1V13A55	1500 l		Soft polyurethane	100 mm	On request	Z5	1
1V13B05	2000 l		Soft polyurethane	100 mm	On request	Z5	1
1V13C05	3000 l		Soft polyurethane	100 mm	On request	Z5	1
1V13D05	4000 l		Soft polyurethane	100 mm	On request	Z5	1
1V13E05	5000 l		Soft polyurethane	100 mm	On request	Z5	1

PSRR

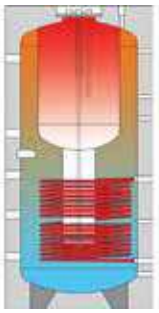


- **Accumulatore per acqua tecnica con 2 scambiatori di calore a serpentino e coibentazione in poliuretano.**
- *Heating water storage tank equipped with 2 coil heat exchangers and polyurethane insulation.*
- **Réservoir d'accumulation pour de l'eau de chauffage avec 2 échangeurs de chaleur à serpentin et l'isolation en polyuréthane.**
- *Speicher für Heizwasser mit 2 Rohrschlange-Wärmetauschern und Isolierung aus Polyurethan.*
- **Acumulador para agua técnica con 2 intercambiadores de calor de serpentín y aislamiento de poliuretano.**

Code	Size	Efficiency class	Insulation type	Insulation thickness	Price	Class	Packaging
1V54505	500 l	C	Polyester	100 mm	On request	Z5	1
1V54805	800 l		Soft polyurethane	100 mm	On request	Z5	1
1V54A05	1000 l		Soft polyurethane	100 mm	On request	Z5	1
1V54A35	1250 l		Soft polyurethane	100 mm	On request	Z5	1
1V54A55	1500 l		Soft polyurethane	100 mm	On request	Z5	1

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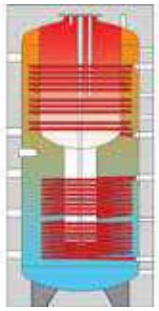
BSF



- **Accumulatore "Tank-in-tank" per acqua tecnica con uno scambiatore di calore a serpentino, serbatoio speciale per la produzione di acqua calda sanitaria e coibentazione in poliuretano.**
- *"Tank-in-tank" heating water storage tank equipped with one coil heat exchanger, special tank for domestic hot water preparation and polyurethane insulation.*
- **Réservoir d'accumulation «Tank in tank» pour de l'eau de chauffage avec un échangeur de chaleur à serpentin, un réservoir spécial pour la production d'eau chaude sanitaire et l'isolation en polyuréthane.**
- *Speicher für Heizwasser „Tank-in-tank" mit einem Rohrschlange-Wärmetauscher, einem speziellen Tank für Trinkwarmwasseraufbereitung und Isolierung aus Polyurethan.*
- **Acumulador para agua técnica "Tank-in-tank" con un intercambiador de calor de serpentín, un tanque especial para la producción de agua caliente sanitaria y aislamiento de poliuretano.**

Code	Size	Insulation type	Insulation thickness	Price	Class	Packaging
1K04605	600 l	Soft polyurethane	100 mm	On request	Z5	1
1K04755	750 l	Soft polyurethane	100 mm	On request	Z5	1
1K04A05	1000 l	Soft polyurethane	100 mm	On request	Z5	1
1K04A55	1500 l	Soft polyurethane	100 mm	On request	Z5	1
1K04B05	2000 l	Soft polyurethane	100 mm	On request	Z5	1

BSF2S

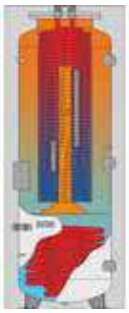


- **Accumulatore "Tank-in-tank" per acqua tecnica con 2 scambiatori di calore a serpentino, serbatoio speciale per la produzione di acqua calda sanitaria e coibentazione in poliuretano.**
- *"Tank-in-tank" heating water storage tank equipped with 2 coil heat exchangers, special tank for domestic hot water preparation and polyurethane insulation.*
- **Réservoir d'accumulation «Tank in tank» pour de l'eau de chauffage avec 2 échangeurs de chaleur à serpentin, un réservoir spécial pour la production d'eau chaude sanitaire et l'isolation en polyuréthane.**
- *Speicher für Heizwasser „Tank-in-tank" mit 2 Rohrschlange-Wärmetauschern, einem speziellen Tank für Trinkwarmwasseraufbereitung und Isolierung aus Polyurethan.*
- **Acumulador para agua técnica "Tank-in-tank" con 2 intercambiadores de calor de serpentín, un tanque especial para la producción de agua caliente sanitaria y aislamiento de poliuretano.**

Code	Size	Insulation type	Insulation thickness	Price	Class	Packaging
1K53605	600 l	Soft polyurethane	100 mm	On request	Z5	1
1K53755	750 l	Soft polyurethane	100 mm	On request	Z5	1
1K53A05	1000 l	Soft polyurethane	100 mm	On request	Z5	1
1K53A55	1500 l	Soft polyurethane	100 mm	On request	Z5	1
1K53B05	2000 l	Soft polyurethane	100 mm	On request	Z5	1

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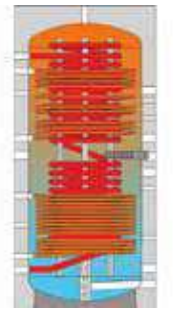
TT



- **Accumulatori a stratificazione termica per acqua tecnica da riscaldamento con scambiatore di calore a serpentino, camino termico, scambiatore di calore per la produzione semi-istantanea di acqua calda sanitaria, attacchi per la connessione del gruppo di circolazione solare e coibentazione in poliuretano.**
- *Thermal stratification storage tank for heating water equipped with coil heat exchanger, thermal chimney, heat exchanger for domestic hot water semi-instantaneous preparation, joints for solar circulation group connection and polyurethane insulation.*
- **Réservoir d'accumulation à stratification thermique pour de l'eau de chauffage avec un échangeur de chaleur à serpentin, cheminée thermique, échangeur de chaleur pour la production semi-instantanée d'eau chaude sanitaire, embouts pour la connexion du groupe de circulation solaire et isolation en polyuréthane.**
- *Speicher für Heizwasser mit thermischer Schichtung, einem Rohrschlange-Wärmetauscher, Thermokamin, Wärmetauscher für halb-augenblicklich Trinkwarmwasseraufbereitung, Anschlüsse für die Verbindung von Solarzirkulationseinheit und Isolierung aus Polyurethan.*
- **Acumulador de estratificación térmica para agua técnica de calefacción con un intercambiador de calor de serpentín, chimenea térmica, intercambiador de calor para la producción semi-instantánea de agua caliente sanitaria, predisposición para la conexión del grupo de circulación solar y aislamiento de poliuretano.**

Code	Size	Efficiency class	Insulation type	Insulation thickness	Price	Class	Packaging
1V5730DSTT3	300 l	C	Injected hard polyurethane	50 mm	On request	Z5	1
1V5750DSTT4	500 l	D	Injected hard polyurethane	50 mm	On request	Z5	1

TSP



- **Accumulatore per acqua tecnica con 2 scambiatori di calore a serpentino, scambiatore di calore integrato per la produzione semi-istantanea di acqua calda sanitaria e coibentazione in poliuretano.**
- *Heating water storage tank equipped with 2 coil heat exchangers, integrated heat exchanger for domestic hot water semi- instantaneous preparation and polyurethane insulation.*
- **Réservoir d'accumulation pour de l'eau de chauffage avec 2 échangeurs de chaleur à serpentin, échangeur de chaleur integré pour la production semi-instantanée d'eau chaude sanitaire et l'isolation en polyuréthane.**
- *Speicher für Heizwasser mit 2 Rohrschlange-Wärmetauschern, integriertem Wärmetauscher für halb-augenblicklich Trinkwarmwasser-aufbereitung und Isolierung aus Polyurethan.*
- **Acumulador para agua técnica con 2 intercambiadores de calor de serpentín, intercambiador de calor para la producción semi- instantánea de agua caliente sanitaria y aislamiento de poliuretano.**

Code	Size	Insulation type	Insulation thickness	Price	Class	Packaging
1VD5585	580 l	Soft polyurethane	100 mm	On request	Z5	1
1VD5805	800 l	Soft polyurethane	100 mm	On request	Z5	1
1VD5A05	1000 l	Soft polyurethane	100 mm	On request	Z5	1
1VD5A35	1250 l	Soft polyurethane	100 mm	On request	Z5	1
1VD5A55	1500 l	Soft polyurethane	100 mm	On request	Z5	1
1VD5B05	2000 l	Soft polyurethane	100 mm	On request	Z5	1

VEARS



- **Vaso di espansione per acqua tecnica/accumulo sanitario.**
- *Expansion tank for technical/domestic water storage tank.*
- **Vase d'expansion pour de l'eau technique/ réservoir d'accumulation sanitaire.**
- *Expansionsgefäß für technisches Wasser/Speicher für Trinkwasser.*
- **Vaso de expansión para agua técnica/acumulación sanitaria.**

Code	Size	Height	Price	Class	Packaging
VEARS5	5 l - Ø155 mm - G 3/4"	300 mm	On request	ZC	1
VEARS8	8 l - Ø195 mm - G 3/4"	325 mm	On request	ZC	1
VEARS15	15 l - Ø260 mm - G 3/4"	360 mm	On request	ZC	1
VEARS20	20 l - Ø260 mm - G 3/4"	420 mm	On request	ZC	1
VEARS24	24 l - Ø295 mm - G 3/4"	420 mm	On request	ZC	1
VEARS33	33 l - Ø365 mm - G 3/4"	415 mm	On request	ZC	1
VEARS50	50 l - Ø370 mm - G 3/4" - 1"	625 mm	On request	ZC	1
VEARS60	60 l - Ø415 mm - G 3/4" - 1"	580 mm	On request	ZC	1
VEARS80	80 l - Ø460 mm - G 1"	645 mm	On request	ZC	1
VEARS100	100 l - Ø460 mm - G 1"	765 mm	On request	ZC	1
VEARS150	150 l - Ø500 mm - G 1"	800 mm	On request	ZC	1
VEARS200	200 l - Ø600 mm - G 1"	912 mm	On request	ZC	1
VEARS300	300 l - Ø650 mm - G 1"	1.110 mm	On request	ZC	1

RE SOL



- **Resistenza elettrica per integrazione in acciaio inox. Attacco 1"1/2.**
- *Stainless-steel backing electrical resistance. 1"1/2 connection.*
- **Résistance électrique pour l'intégration en acier inox. Raccord 1»1/2.**
- *Elektrischer Widerstand für Integration aus Edelstahl mit 1"1/2 Anschluss.*
- **Resistencia eléctrica para integración de acero inoxidable. Conexión 1"1/2.**

Code	Size	Price	Class	Packaging
REM1	1,5 kW - 230 V - Single-phase	On request	Z5	1
REM3	3 kW - 230 V - Single-phase	On request	Z5	1
RET3	3 kW - 400 V - 3-phase	On request	Z5	1
RET4	4,5 kW - 400 V - 3-phase	On request	Z5	1
RET6	6 kW - 400 V - 3-phase	On request	Z5	1
RET7	7,5 kW - 400 V - 3-phase	On request	Z5	1
RET9	9 kW - 400 V - 3-phase	On request	Z5	1

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MIXING VALVES FOR HIGH FLOW CAPACITY

The 3-way axial mixing valve (DN 32) is designed to mix hot and cold water in systems with high flow rates. In fact, its carefully designed internal geometry makes it possible to achieve extremely high flow rates, with a nearly 13 Kv value. This characteristic makes this type of valve suitable for various applications, including:

• the adjustment of the temperature in the primary branch of an instant domestic water heater connected to a solar battery (fig. 1);

• the reduction of the temperature of the fluid returning to the boiler (fig. 2).

Equipped with a thermostatic head screw, it is designed for both fixed point adjustment by means of a thermostatic actuator and climate control by means of an axial servomotor.

The same valve can be used in diverter mode. In this case, the fluid enters through port AB and flows either towards B (fig. 3) or towards A (fig. 4). One possible use is installation of the valve upline of a storage tank and on the basis of the fluid temperature, the water is diverted into the upper or lower part of the same to encourage stratification of the water on the basis of the temperature.

Actuation is performed by an on/off electrothermic head.

Operation in mixing mode

Fig. 1

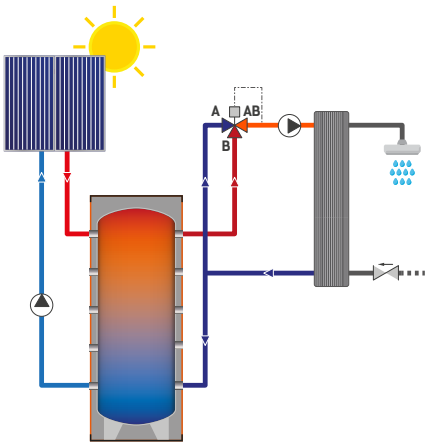
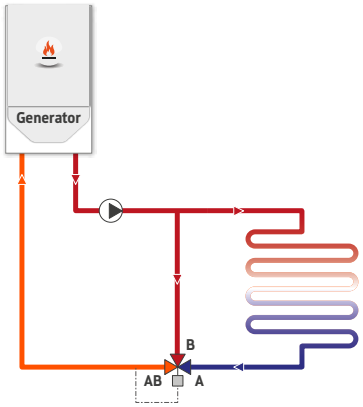


Fig. 2



Operation in diverter mode

Fig. 3

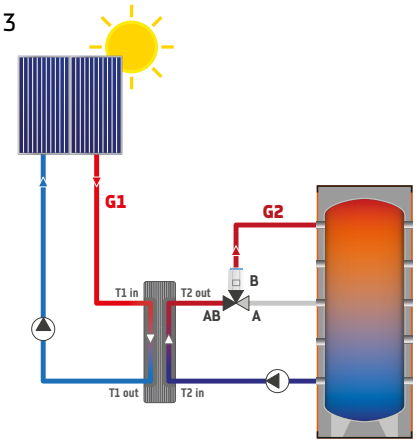
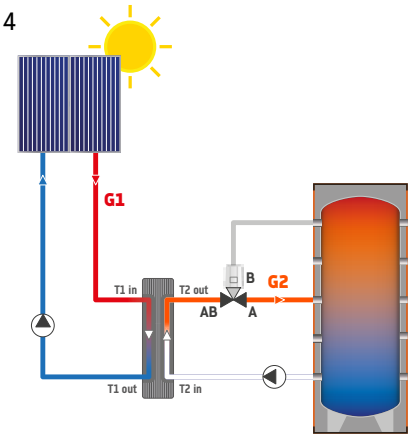


Fig. 4



MR 22



- **Valvola miscelatrice assiale termostatizzabile per elevate portate con attacco femmina.**
- *Thermostatic axial mixing valve for high flow capacity with female connection.*
- **Vanne mélangeuse axiale thermostatisable pour débit élevé avec embout femelle.**
- *Axial Thermostat-Mischventil für erhöhte Durchfluss mit IG Anschluß.*
- **Válvula mezcladora axiale termostatizable para caudales elevados con conexión hembra.**

Code	Size	Price	Class	Packaging
501578	DN 32	214,61 €	PA	1 / 12



• T 5011 >> p. 239,242



• T 5012 >> p. 239

MR 32



- **Valvola miscelatrice assiale termostatizzabile per elevate portate con bocchettoni a tenuta morbida.**
- *Thermostatic axial mixing valve for high flow capacity with soft seal fittings.*
- **Vanne mélangeuse axiale thermostatisable pour débit élevé avec goulottes à étanchéité souple.**
- *Axial Thermostat-Mischventil für erhöhte Durchfluss mit Stutzen mit O-Ring.*
- **Válvula mezcladora axiale termostatizable para caudales elevados con manguito de unión con junta blanda**

Code	Size	Price	Class	Packaging
501579	DN 32	297,48 €	PA	1 / 8



• TE 3061 >> p. 239,243,361



• RV 01 >>p. 239,243,252,321,359,395

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THERMOSTATIC MIXING VALVES

The valves in this section are piston mixers controlled by an external thermostatic actuator, eqipped with a remote probe (T 5011 / T 5012,) or motorized for modulating regulation by means of RV 01 motors or TE 3061 electrothermal actuator. The only difference between MR 02 and MR 03 is the position of the ways (+; -; MIX) making easier their use in several situations. MR 01, instead, is specially constructed for specific use in mixing systems for radiant systems. In these cases, its function is not precisely that of a mixer but substantially that of a 2-way thermostatic valve with open bypass on return from the radiant circuit. The flow inlet in this bypass is adjusted by means of AC 662 (see FLOORMIX).

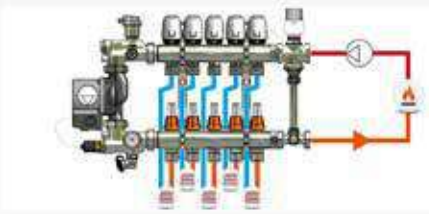
MR 01



- **Valvola miscelatrice termostatizzabile a miscelazione laterale e terza via in bypass.**
- *Thermostatic mixing valves with lateral mixer and bypass in the 3rd way*
- **Vanne mélangeuse thermostatisable à mélange latéral et troisième voie en bypass**
- *Regelbares Thermostat-Mischventil mit seitlicher Mischung und drittem Bypass-Weg*
- **Válvula mezcladora termostatizable con mezclado lateral y tercera vía en bypass.**

Code	Kv	Size	Price	Class	Packaging
501420	3.30	1" F x 1" F x 1" F	68,04 €	PA	2 / 32





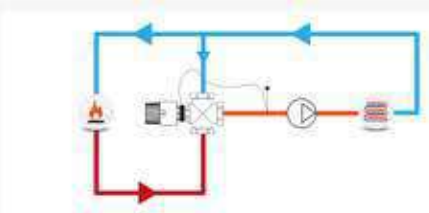
MR 02



- **Valvola miscelatrice termostatizzabile con miscelazione sulla terza via.**
- *Thermostatic mixing valves with mixer in the 3rd way*
- **Vanne mélangeuse thermostatisable avec mélange sur la troisième voie**
- *Thermostat-Mischventil mit Mischung im dritten Weg*
- **Válvula mezcladora termostatizable con mezclado en la tercera vía.**

Code	Kv	Size	Price	Class	Packaging
501421	3	1" F x 1" F x 1" F	68,04 €	PA	2 / 32





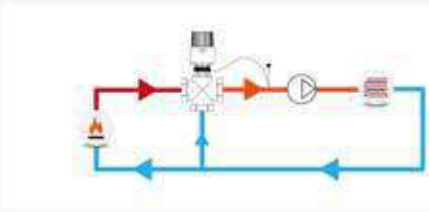
MR 03



- **Valvola miscelatrice termostatizzabile con miscelazione laterale.**
- *Thermostatic mixing valves with lateral mixer.*
- **Vanne mélangeuse thermostatisable avec mélange latéral.**
- *Thermostat-Mischventil mit seitlicher Mischung.*
- **Válvula mezcladora termostatizable con mezclado lateral.**

Code	Kv	Size	Price	Class	Packaging
501422	2.70	1" F x 1" F x 1" F	68,04 €	PA	2 / 32





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ROTOR MIXING VALVES

SECTOR MIXER VALVES

The sector mixing valves are used in heating/cooling systems in classic mixing and distribution applications. Control of these valves is along a 90° rotation stroke, and can be performed manually or automatically by applying a suitable servomotor.

3-way valves
The 3-way valve (Figures 1 a-b-c and 2 a-b-c) features a shutter, which on opening of an inlet activates closing of the other, and vice versa. Both ways are thus dynamically controlled.
With respect to the mixing by means of a 2-way valve, the 3-way valve offers the option of automatic closure of one or the other way, adapting to the characteristics of the generator and the system load.

4-way valves
The 4-way valves (Figures 3 a-b-c) enable not only mixing of the flow distributed to utilities, but also the return to the boiler. This enables a higher temperature on return to the boiler, extending the useful lifetime of certain types of boiler: on older conventional generators, indeed, a low return temperature can cause damage; water vapour condensate, due to a cool return, is also accompanied by a series of chemical products that make the condensate acidic, which is corrosive to materials used to make traditional boilers.
On the contrary, in the case of modern condensing boilers, the need for a cool return to exploit the water vapour condensate in the flue and thus improve performance of the generator would make the use of 3-way valves ideal (Figure 4a).
With 4-way valves, two pumps need to be installed to obtain mixing on the return line (Figure 4b).

Materials
Valve body: CW617N (for sizes up to 1 1/4" BSP); CB753S (for 1 1/2" and 2" BSP)
Rotor and other components in brass: CW617N
Parts in rubber: peroxide EPDM

Technical specifications
Max. fluid temperature inside valve: 120 °C
Maximum operating pressure: 10 bar
Min. actuation torque: 1 N·m
Leakage percentage: 0.5 % of Kvs

PLUS

- **Minimal risk of sticking between rotor and body in the event of extended inactivity**
- **Much lower weight and reduced dimensions in proportion to strength compared to traditional valves in cast iron**
- **Seal on rotor piston ensured by 2 large section O-rings**
- **External O-ring easily replaced when necessary**
- **Plate with graduated scale, easily removable and rotated to adapt travel to selected configuration of inputs/outputs**
- **Different Kv values for the same size, to enable more targeted use according to system requirements**

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FOCUS: Three- and four-way mixing valves

3-way valves with lateral mixer

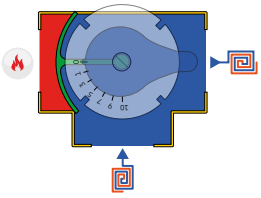


Fig. 1 (a)

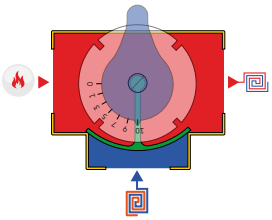


Fig. 1 (b)

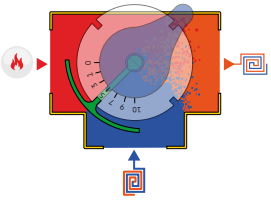


Fig. 1 (c)

3-way valves with central mixer

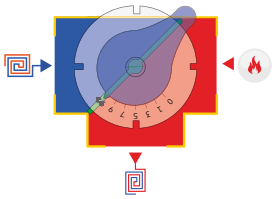


Fig. 2 (a)

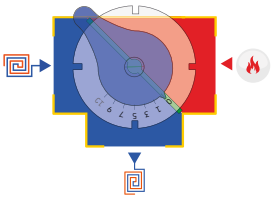


Fig. 2 (b)

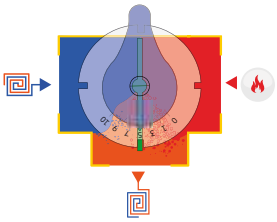


Fig. 2 (c)

4-way valves

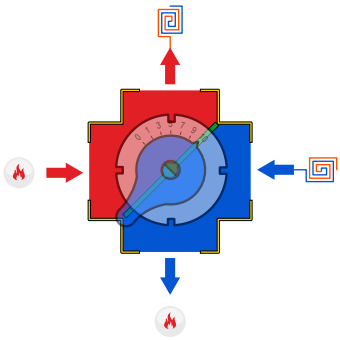


Fig. 3 (a)

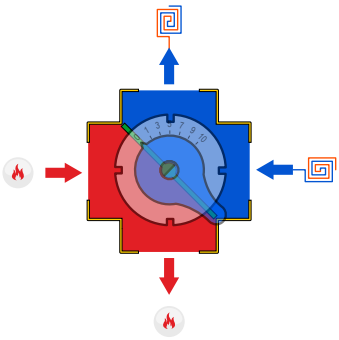


Fig. 3 (b)

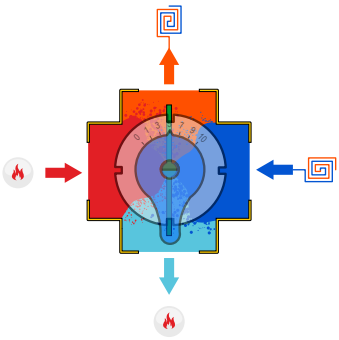


Fig. 3 (c)

Diagram of 4-way mixing valve completely open (a), completely closed (b) and in intermediate position (c)

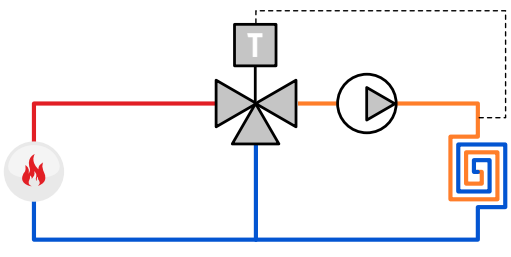


Fig. 4 (a)
Circuit with 3-way valve: one pump is sufficient.

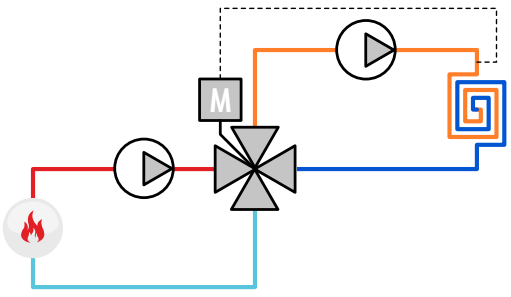


Fig. 4 (b)
Circuit with 4-way valve: 2 pumps are required.

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MIX 3WML



- **Valvola miscelatrice a settore a 3 vie con miscelazione laterale.**
- *3-way rotor mixing valve with lateral mixer.*
- **Vanne mélangeuse à rotor à 3 voies avec mélange latéral.**
- *3-Wege Rotor-Mischventil mit seitlicher Mischung.*
- **Válvula mezcladora de rotor de 3 vías con mezclado lateral.**

Code	Kv	Size	Price	Class	Packaging
501547	4	3/4“	62,14 €	PA	1 / 16
501548	6	3/4“	62,14 €	PA	1 / 16
501549	8	3/4“	62,14 €	PA	1 / 16
501550	8	1“	55,10 €	PA	1 / 16
501551	12	1“	55,10 €	PA	1 / 16
501552	12	1“1/4	61,02 €	PA	1 / 16
501553	18	1“1/4	61,02 €	PA	1 / 16
501564	28	1“1/2	176,83 €	PA	1 / 6
501565	44	2“	176,83 €	PA	1 / 6

MIX 3WMC



- **Valvola miscelatrice a settore a 3 vie con miscelazione centrale.**
- *3-way rotor mixing valve with central mixer.*
- **Vanne mélangeuse à rotor à 3 voies avec mélange central.**
- *3-Wege Rotor-Mischventil mit Zentralmischung.*
- **Válvula mezcladora de rotor de 3 vías con mezclador central.**

Code	Kv	Size	Price	Class	Packaging
501629	4	3/4“	63,47 €	PA	1 / 16
501630	6	3/4“	63,47 €	PA	1 / 16
501631	8	3/4“	63,47 €	PA	1 / 16
501589	8	1“	56,50 €	PA	1 / 16
501590	12	1“	56,50 €	PA	1 / 16
501591	12	1“1/4	64,17 €	PA	1 / 16
501599	18	1“1/4	64,17 €	PA	1 / 16
501798	28	1“1/2	185,77 €	PA	1 / 6
501799	44	2“	185,77 €	PA	1 / 6

MIX 4W



- **Valvola miscelatrice a settore a 4 vie.**
- *4-way rotor mixing valve.*
- **Vanne mélangeuse à rotor à 4 voies.**
- *4-Wege Rotor-Mischventil.*
- **Válvula mezcladora de rotor de 4 vías.**

Code	Kv	Size	Price	Class	Packaging
501554	4	3/4“	66,33 €	PA	1 / 16
501555	6	3/4“	66,33 €	PA	1 / 16
501556	8	3/4“	66,33 €	PA	1 / 16
501557	8	1“	59,21 €	PA	1 / 16
501558	12	1“	59,21 €	PA	1 / 16
501559	12	1“1/4	64,65 €	PA	1 / 16
501560	18	1“1/4	64,65 €	PA	1 / 16
501562	28	1“1/2	191,99 €	PA	1 / 6
501563	44	2“	191,99 €	PA	1 / 6

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AMIX 01



- **Manopola blu con vite per valvole miscelatrici a settore.**
- *Blu hand knob with screw for rotor mixing valves.*
- **Poignée bleue avec vis pour vannes mélangeuses à rotor.**
- *Blauer Drehknopf mit Schraube für Rotor-Mischventile.*
- **Mando azul con tornillo para válvulas mezcladoras de rotor.**

Code	Price	Class	Packaging
501570	2,029 €	PC	1

M 106



- **Servomotore per valvole miscelatrici a settore.**
- *Motor for rotor mixing valves.*
- **Servomoteur pour vannes mélangeuses à rotor.**
- *Stellantrieb für Rotor-Mischventile.*
- **Servomotor para válvulas mezcladoras de rotor.**

Code	Size	Price	Class	Packaging
501394	3-point regulation (230 V AC)	167,29 €	PC	1 / 8
501395	Proportional 0-10 V (24 V AC)	337,66 €	PC	1 / 8
501396	3-point regulation (24 V AC)	200,34 €	PC	10



- **CLIMA•HUB - Regolatore elettronico per impianti di riscaldamento e raffrescamento >>p. 349**
- *CLIMA•HUB - Electronic controller for heating and cooling systems >>p. 349*
- **CLIMA•HUB - Régulateur électronique pour systèmes de chauffage et de refroidissement >>p. 349**
- *CLIMA•HUB - Elektronischer Regler für Heiz- und Kühlsysteme >>p. 349*
- **CLIMA•HUB - Regulador electrónico para sistemas de calefacción y refrigeración >>p. 349**

CTC 20



- **Attuatore rotativo con regolatore e sonde incorporati per il controllo a punto fisso delle valvole miscelatrici.**
- *Revolving actuator with incorporated regulator and probes for fixed point control of mixing valves.*
- **Actionneur rotatif avec régulateur et sondes incorporés pour le contrôle à point fixe des vannes mélangeuses.**
- *Drehbar Stellantrieb mit eingebauter Regler und Fühler für festwert Bedingung der Mischventile.*
- **Actuador rotativo con regulador y sondas incorporados para el control a punto fijo de las válvulas mezcladoras.**

Code	Size	Price	Class	Packaging
501648	230 V AC	477,76 €	PC	1

ADH 20



- **Attuatore rotativo con regolatore e sonde incorporati per controllo climatico delle valvole miscelatrici.**
- *Revolving actuator with incorporated regulator and probes for climatic control of mixing valves.*
- **Actionneur rotatif avec régulateur et sondes incorporés pour le contrôle climatique des vannes mélangeuses.**
- *Drehbar Stellantrieb mit eingebauten Regler und Fühler für klimatisch Bedingung der Mischventile.*
- **Actuador rotativo con regulador y sondas incorporados para el control climático de las válvulas mezcladoras.**

Code	Size	Price	Class	Packaging
501647	230 V AC	949,28 €	PC	1

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SAFETY VALVES

SAFETY VALVES FOR HEATING APPLICATIONS

Safety valves are overpressure control devices which, when they reach the calibration value, drain fluid to prevent dangerous operating conditions. Suited for use in heating systems (calibration 3 bar), IVAR valves are available with different connection threads and with or without pressure gauge connection.

VSC 00 H



- **Valvola di sicurezza femmina-femmina.**
- *Female-female safety valve.*
- **Clapet de sécurité femelle-femelle.**
- *Sicherheitsventil IG-IG.*
- **Válvula de seguridad hembra-hembra.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
5702303	1/2" F x 1/2" F	3 bar		12,83 €	TG	10 / 80
5702313	3/4" F x 3/4" F	3 bar		15,07 €	TG	15 / 120

VSC 10 H



- **Valvola di sicurezza maschio-femmina.**
- *Male-female safety valve.*
- **Clapet de sécurité mâle-femelle.**
- *Sicherheitsventil AG-IG.*
- **Válvula de seguridad macho-hembra.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
5702323	1/2" F x 1/2" M	3 bar		13,04 €	TG	20 / 160
5702333	3/4" F x 3/4" M	3 bar		15,11 €	TG	15 / 120

VSC 01 H



- **Valvola di sicurezza femmina-femmina con attacco per manometro.**
- *Female-female safety valve with connection for pressure gauge.*
- **Clapet de sécurité femelle-femelle avec embout pour manomètre.**
- *Sicherheitsventil IG-IG mit Anschluß für Manometer.*
- **Válvula de seguridad hembra-hembra con conexión para manómetro.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
5702443	1/2" F x 1/2" F	3 bar		14,36 €	TG	20 / 160
5702453	3/4" F x 3/4" F	3 bar		16,18 €	TG	15 / 120

VSC 11 H



- **Valvola di sicurezza maschio-femmina con attacco per manometro.**
- *Male-female safety valve with connection for pressure gauge.*
- **Clapet de sécurité mâle-femelle avec embout pour manomètre.**
- *Sicherheitsventil AG-IG mit Anschluß für Manometer.*
- **Válvula de seguridad macho-hembra con conexión para manómetro.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
5702463	1/2" M x 1/2" F	3 bar		14,60 €	TG	20 / 160
5702473	3/4" M x 3/4" F	3 bar		16,08 €	TG	15 / 120

VSC 05 H



- **Valvola di sicurezza femmina-femmina con manometro.**
- *Female-female safety valve with pressure gauge.*
- **Clapet de sécurité femelle-femelle avec manomètre.**
- *Sicherheitsventil IG-IG mit Manometer.*
- **Válvula de seguridad hembra-hembra con manómetro.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
5702343	1/2" F x 1/2" F	3 bar		25,24 €	TG	1
5702353	3/4" F x 3/4" F	3 bar		27,06 €	TG	1

VSC 15 H



- **Valvola di sicurezza maschio-femmina con manometro.**
- *Male-female safety valve with pressure gauge.*
- **Clapet de sécurité mâle-femelle avec manomètre.**
- *Sicherheitsventil AG-IG mit Manometer.*
- **Válvula de seguridad macho-hembra con manómetro.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
5702363	1/2" M x 1/2" F	3 bar		25,48 €	TG	1
5702373	3/4" M x 3/4" F	3 bar		26,97 €	TG	1

MA 10



- **Manometro con attacco posteriore.**
- *Pressure gauge with rear connection.*
- **Manomètre avec embout postérieur.**
- *Manometer mit rückwärtigem Anschluss.*
- **Manómetro con conexión posterior.**

Code	Size	Range	Price	Class	Packaging
509160	1/4" M	0-10 bar	10,89 €	TA	3 / 48

CPS 10



- **Collettore portastrumenti.**
- *Wall mounting manifold.*
- **Collecteur porte-accessoires.**
- *Gefäßanschlussgruppe.*
- **Colector porta-instrumentos.**

Code	Price	Class	Packaging
506068	74,02 €	TG	1

CPS 20



- **Collettore portastrumenti con valvola di sicurezza, manometro, valvola di sfiato automatica e valvola a sfera con rubinetto di scarico per intercettazione vasi di espansione.**
- *Assembled wall mounting manifold equipped with safety valve, pressure gauge, automatic air valve and ball valve with drainage valve for expansion tank isolation.*
- **Collecteur porte-accessoires avec clapet de sécurité, manomètre, purgeur d'air automatique et vanne a bille avec robinet de vidange pour l'interception des vases d'expansion.**
- *Gefäßanschlussgruppe mit Sicherheitsventil, Manometer, automatischer Entlüftungsventil und Kappenventil.*
- **Colector porta-instrumentos con válvula de seguridad, manómetro, válvula de purga automática y válvula de bola con válvula de descarga para la interceptación de los vasos de expansión.**

Code	Price	Class	Packaging
506069	209,62 €	TG	1

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AUTOMATIC FILLING GROUPS

During normal operation of a heating system, the internal pressure decreases due to the release of gases dissolved in the water through any deaerators and vents installed, or after bleeding of the heating units. When the pressure drops too much, the heat generator will shut down until the correct operating pressure is restored. Thanks to the automatic filling unit, this operation does not require the intervention of a technician. The device is connected on one side to the mains water supply, and on the other to the heating system. **When the pressure on the system side falls below the calibration value, the filling unit automatically draws water from the mains supply for topping up**. A **check valve integrated in the device** prevents inversion of the two flows in the event of a decrease in the pressure on the supply side. The filling unit also incorporates a **metal mesh strainer** to prevent the entry of impurities into the heating system, and a **shut-off valve to interrupt its operation**.

GA 00



- **Gruppo di alimentazione automatico tarabile con manometro, completo di rubinetto di intercettazione, filtro e valvola di non ritorno; funzionamento a pistone.**
- *Automatic filling group with pressure gauge, complete with isolation, filter and non-return check valve; piston operation.*
- **Groupe d'alimentation automatique avec manomètre, doté de robinet d'interception, filtre et vanne de non retour; fonctionnement à piston.**
- *Hauswasserstation mit Manometer, komplett mit Absperrventil, Filter und Rückschlagventil; Kolbenbetrieb.*
- **Grupo de alimentación automático con manômetro, completo de grifo de interceptación, filtro y válvula de retención; operación de pistón.**

Code	Size	Range	Max inlet pressure	Preset	Max operating temp.	Price	Class	Packaging
509000	1/2" M x 1/2" F	0,5 - 4 bar	16 bar	1.50 bar	70 °C	61,71 €	TG	1 / 6

GA 00 SM



- **Gruppo di alimentazione automatico tarabile senza manometro, completo di rubinetto di intercettazione, filtro e valvola di non ritorno; funzionamento a pistone.**
- *Automatic filling group without pressure gauge, complete with isolation, filter and non-return check valve; piston operation.*
- **Groupe d'alimentation automatique sans manomètre, doté de robinet d'interception, filtre et vanne de non retour; fonctionnement à piston.**
- *Hauswasserstation ohne Manometer, komplett mit Absperrventil, Filter und Rückschlagventil; Kolbenbetrieb.*
- **Grupo de alimentación automático sin manômetro, completo de grifo de interceptación, filtro y válvula de retención; operación de pistón.**

Code	Size	Range	Max inlet pressure	Preset	Max operating temp.	Price	Class	Packaging
509000SM	1/2" M x 1/2" F	0,5 - 4 bar	16 bar	1.50 bar	70 °C	53,11 €	TG	1 / 6

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BYPASS VALVES

AC 623 N

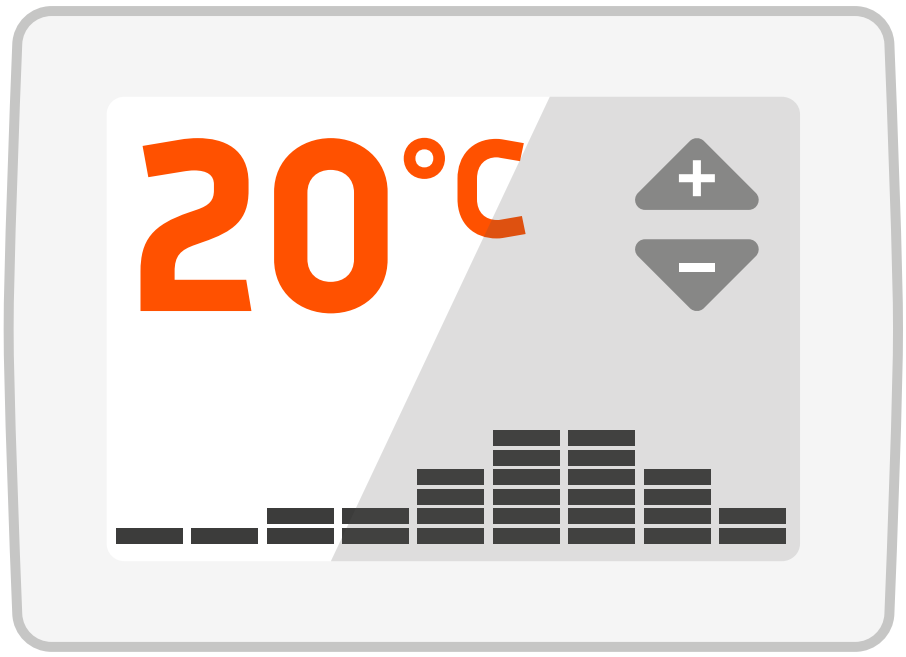


- **Valvola di bypass differenziale diritta/squadra per elevate portate.**
- *Bypass differential valve straight/angled for high flow capacity.*
- **Vanne de by-pass différentielle droite/équerre pour débit élevé.**
- *Differenziales Bypass-Ventil Durchgangsform/Eckform für erhöhte Durchfluss.*
- **Válvula de bypass diferencial recta/de escuadra para capacidades elevadas.**

Code	Size	Range	Price	Class	Packaging
500389N	3/4" F x 3/4" M	0,2-0,6 bar	49,65 €	TG	5 / 40
5003891N	3/4" F x 1" M	0,2-0,6 bar	51,16 €	TG	5 / 40

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REGULATION AND CONTROL



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Profundizaciónes técnicas



CLIMA•HUB - Regolatore elettronico per impianti di riscaldamento e raffrescamento
CLIMA•HUB - Electronic controller for heating and cooling systems
CLIMA•HUB - Régulateur électronique pour systèmes de chauffage et de refroidissement
CLIMA•HUB - Elektronischer Regler für Heiz- und Kühlsysteme
CLIMA•HUB - Regulador electrónico para sistemas de calefacción y refrigeración
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LAGO BASIC - Regolatore elettronico per compensazione climatica (solo riscaldamento)
LAGO BASIC - Electronic controller for weather compensation (heating only)
LAGO BASIC - Régulateur électronique pour la compensation climatique (chauffage uniquement)
LAGO BASIC - Elektronischer Regler für Klimakompensation (nur Heizung)
LAGO BASIC - Regulador electrónico para la compensación climática (sólo calefacción)
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Electrothermal heads
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360



Accessori di cablaggio
Wiring accessories
Accessoires de cablâge
Verdrahtungszubehör
Accesorios de cableado
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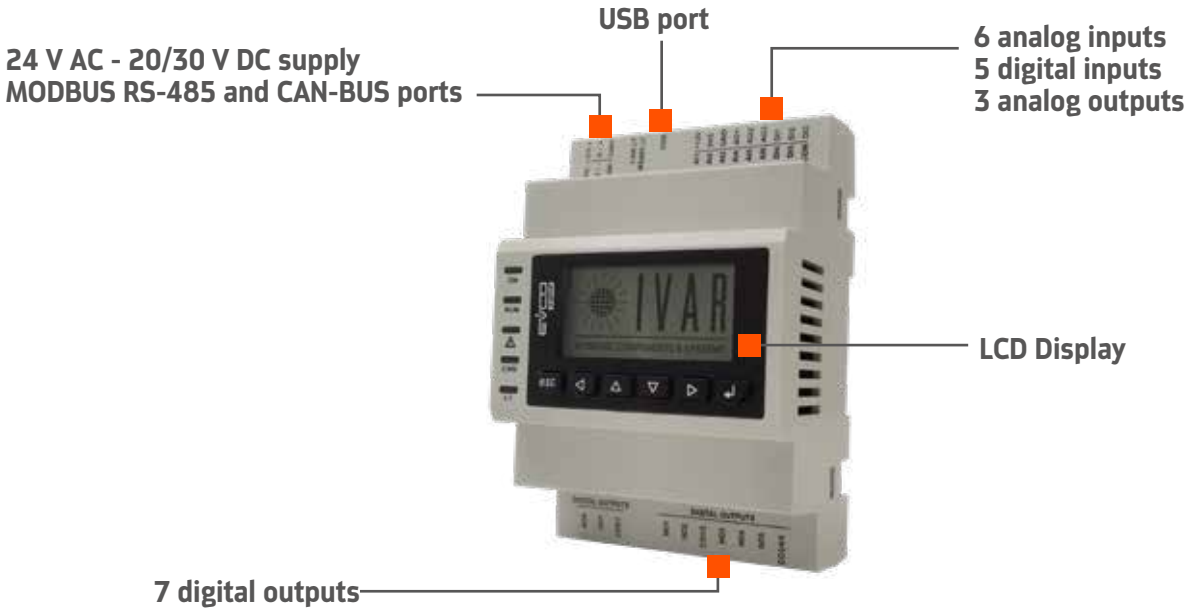
Termostati di sicurezza
Safety thermostats
Thermostats de sécurité
Sicherheitsthermostate
Termostatos de seguridad
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CLIMA•HUB

CLIMA•HUB is an electronic controller for the management of heating/cooling plants. The system is based on a freely-programmable controller equipped with digital and analog inputs/outputs, bus ports, to which different applications are uploaded depending on the specific system requirements. Thanks to this flexible approach, IVAR can provide intelligence to the individual plants and offer advanced solutions for comfort and energy saving.

CLIMA•HUB is available in 3 variants with different application softwares. For special needs it is possible to contact IVAR's Linea Arancio and evaluate possible customized solutions.



CLIMA-HUB 04 electronic controller for heating/cooling allows the management of.

- 2 mixed circuits for the dsitribution to radiant system with weather compensation (for the second mixed circuit, order the ACH 41 chronothermohumidistat);
- 1 direct circuit for the distribution in high temperature or the supply to dehumidification circuits.

The controller interacts with temperature and humidity probes connected via CAN-BUS. Each probe has two relays through which it is possible to manage both the zone electro-thermal actuator on the manifold and any dedicated dehumidifier.

An optional color touchscreen viewer is available for monitoring the system from a single home terminal.

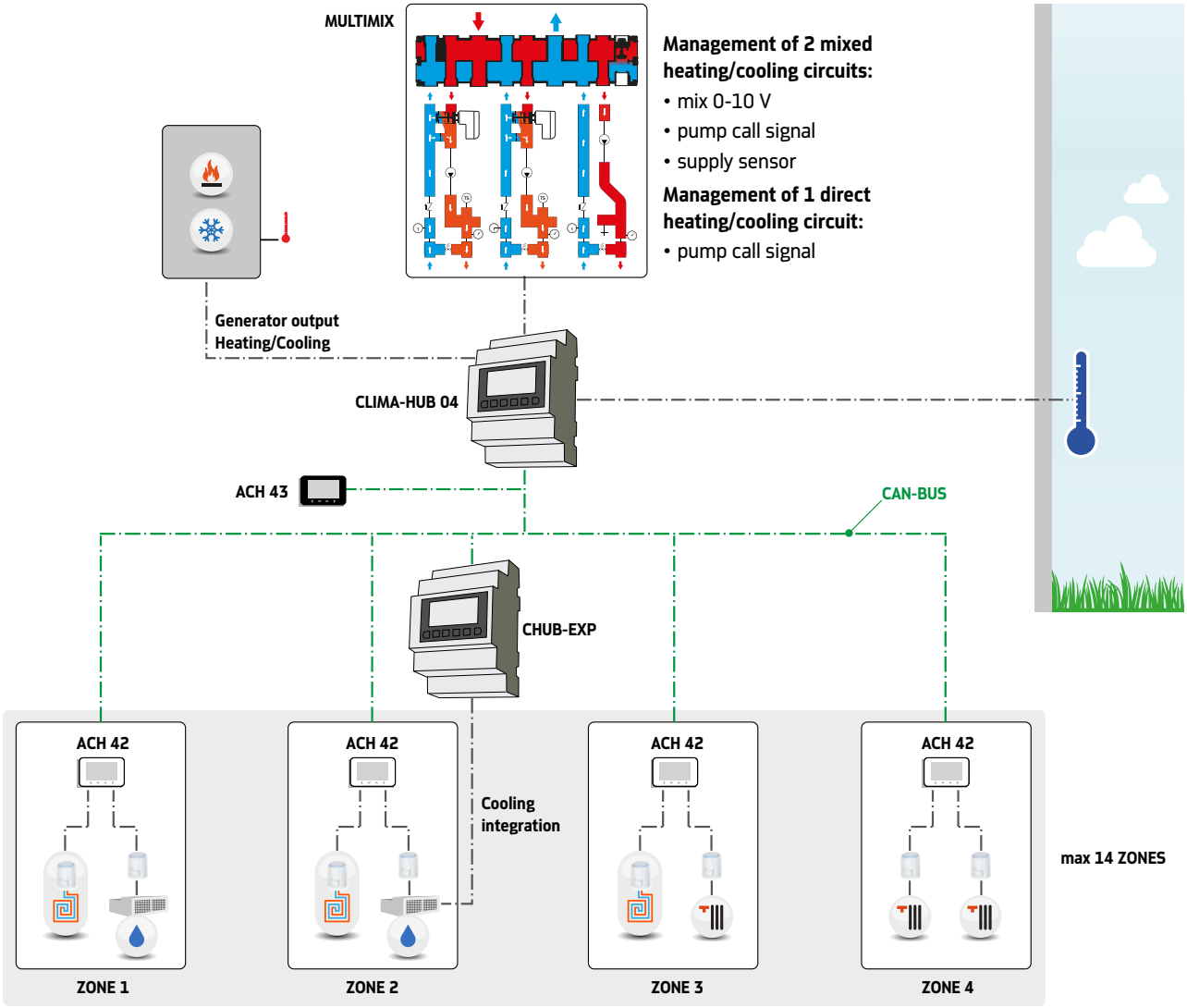
By inserting the CHUB-EXP expansion module it is possible to provide a further call signal to the dehumidifiers whenever these are also able to work in cooling assist mode.

In summer it is, indeed, possible to activate a booster mode whenever the temperature setpoint is not reached within a certain time period which can be set by the user.

PLUS

- **Management of up to 14 temperature/humidity zones**
- **Module for integration of cooling with dehumidification**
- **Possibility to assign a temperature or humidity function to each zone relay with specific comfort time bands**
- **Accessory for management via colour touchscreen interface**
- **Control of two different terminal devices with a zone timer thermostat/humidistat**
- **Anti-frost and anti-lock function**
- **Possibility to carry out tests and forcing**

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Simplified scheme. Check manuals for correct electrical connections.

1. Heating /cooling zone with dehumidification
2. Heating /cooling zone with dehumidification and integration call signal
3. Heating/cooling (radiant) zone without dehumidification + integration of heating only with radiators
4. Heating only zone with radiators or heating/cooling zone with fan-coils.

N.B.: each call signal of the ACH 42 timer thermostat/humidistat can be associated with one of the booster circuits

CLIMA-HUB 04



- **Regolatore elettronico (riscaldamento/raffrescamento) completo di cronotermoumidostato ambiente, sonda esterna e una sonda di mandata.**
- *Electronic regulator (heating/cooling) complete with room chronothermohumidistat, external probe and a delivery probe.*
- **Régulateur électronique (chauffage/refroidissement) avec chrono-thermo-humidostat d'ambiance, sonde externe et une sonde de refoulement.**
- *Elektronischer Regler (Heizen/Kühlen) komplett mit Raum-Chrono-Thermo-Feuchtigkeitsregler, Außen- und Vorlauffühler.*
- **Regulador electronico (calefacción/refrigeración) con crono-termo-higrostato ambiente, sonda externa y sonda de impulso.**

Code	Size	Module	Price	Class	Packaging
CHUB04	24 V AC - 20/30 V DC	4 DIN modules	1.237,97 €	VC	1

CHUB-EXP



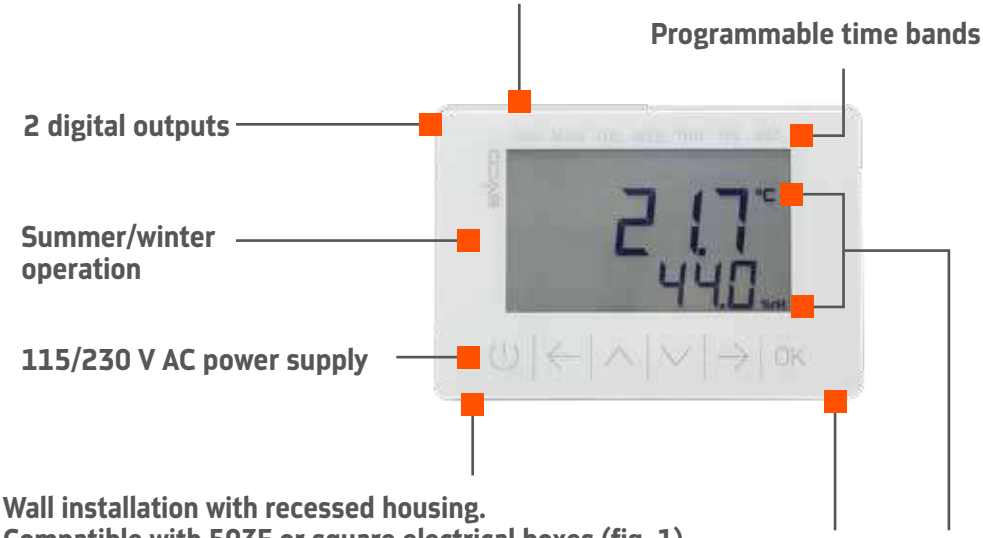
- **Modulo di espansione per CHUB04.**
- *Expansion module for CHUB04.*
- **Module d'extension pour CHUB04.**
- *Erweiterungsmodul für CHUB04.*
- **Módulo de expansión para CHUB04.**

Code	Price	Class	Packaging
CHUB-EXP	903,44 €	VC	1

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ACH 42 is a chronothermohumidistat to be used in combination with the CHUB04 electronic regulator. It is equipped with temperature and humidity probes, two relay outputs and a CAN-BUS port.
The device measures zone temperature and humidity and sends the values to the controller via CAN-BUS protocol. Based on the values received, the regulator provides the chronothermohumidistat with the appropriate consents to activate or not the relay outputs.
In general, it is possible to operate the zone actuator in the event of a temperature request (relay 1) and start the dehumidifier (relay 2) if the zone conditions are close to the dew-point. However, it is possible to use the second relay also to control a second temperature terminal, for example a design radiator to which you want to provide activation times different from those of the radiant system.

Operation of radiant circuit and zone dehumidifier or alternatively radiant circuit and zone radiator



Wall installation with recessed housing.
Compatible with 503E or square electrical boxes (fig. 1).

CAN-BUS port

Temperature and humidity probe

Example of operation with radiant circuits and dehumidifiers

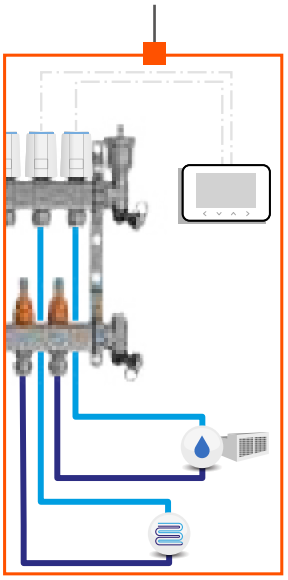




Fig. 1

ACH 41



- **Cronotermoumidostato ambiente completo di sonda di mandata per circuito miscelato aggiuntivo.**
- *Room chronothermohumidistat complete with delivery probe for additional mixing circuit.*
- **Chrono-thermo-humidostat d'ambiance avec une sonde de refoulement pour circuit de mélange supplémentaire.**
- *Raum-Chrono-Thermo-Feuchtigkeitsregler komplett mit Vorlauffühler für zusätzlichen Mischkreislauf.*
- **Crono-termo-higrostato ambiente con sonda de impulso para circuito de mezcla adicional.**

Code	Size	Price	Class	Packaging
0KC2TH	115/230 V AC	463,02 €	VC	1

ACH 42



- **Cronotermoumidostato ambiente per zona aggiuntiva.**
- *Room chronothermohumidistat for additional zone.*
- **Chrono-thermo-humidostat d'ambiance pour zone supplémentaire.**
- *Chrono-Thermo-Feuchtigkeitsregler für zusätzliche Zone.*
- **Crono-termo-higrostato ambiente para zona adicional.**

Code	Size	Price	Class	Packaging
0SDTH01	115/230 V AC	463,30 €	VC	1

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ACH 43 is a color touch-screen viewer. The device is optional and shows the menu of the electronic controller. In this way, the user can easily manage and monitor the entire system from a control panel installed in the room.





Fig. 2

ACH 43



- **Pannello di controllo a parete per CHUB04.**
- *Wall-mounted control panel for CHUB04.*
- **Panneau de commande mural pour CHUB04.**
- *Wand-Panel für CHUB04 Kontrolle.*
- **Panel de control de pared para CHUB04.**

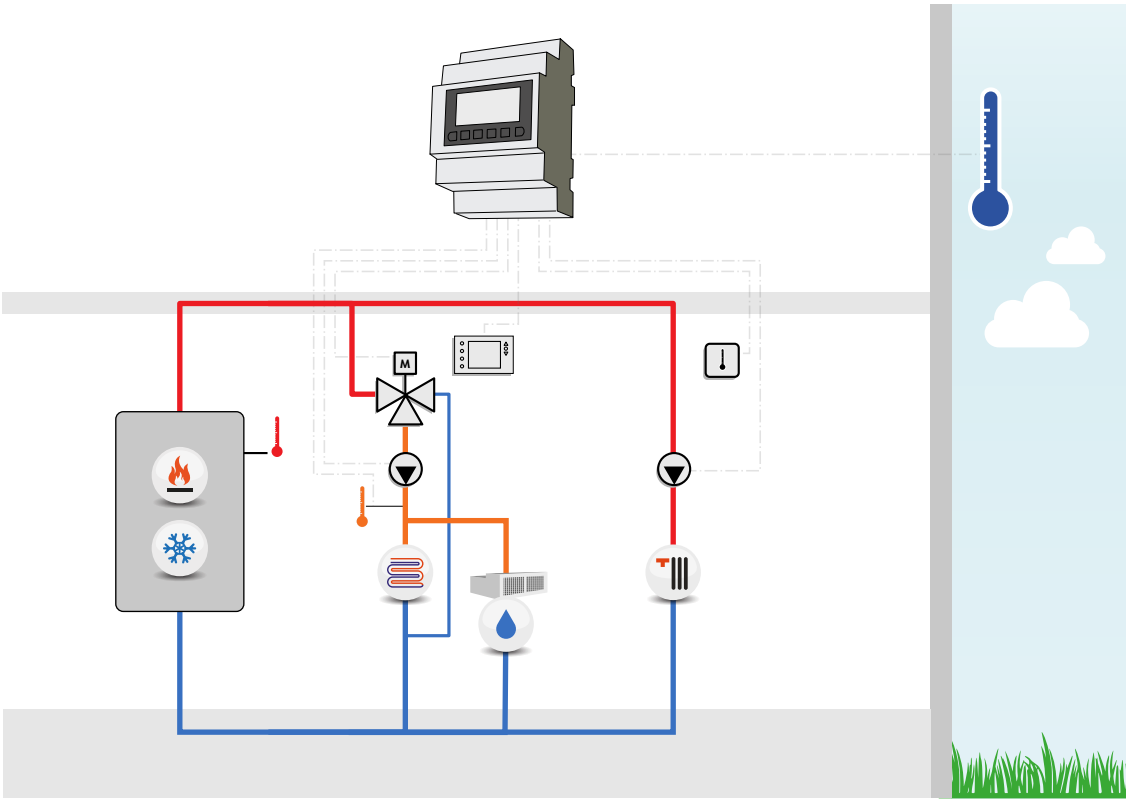
Code	Size	Price	Class	Packaging
0EPJ00	24 V AC - 12/30 V DC	898,35 €	VC	1

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CLIMA-HUB 01 electronic controller for heating/cooling allows the management of.

- 1 mixed circuit controlled by temperature/humidity probe
- 1 direct circuit controlled by On / Off room thermostats
- 1 dehumidification circuit.

The mixing valves are controlled by a **0-10 V proportional** voltage signal according to a setpoint which can be fixed or variable, based on a set climatic compensation. It is possible to connect a pump output for each circuit and provide the connection of a safety thermostat and a zone valve for the mixed circuit.



Simplified scheme. Check manuals for correct electrical connections.

CLIMA-HUB 01



- **Regolatore elettronico (riscaldamento/raffrescamento) completo di sonda esterna e una sonda di mandata.**
- *Electronic regulator (heating/cooling) complete with external probe and delivery probe.*
- **Régulateur électronique (chauffage/refroidissement) avec sonde externe et sonde de refoulement.**
- *Elektronischer Regler (Heizen/Kühlen) komplett mit Außen- und Vorlauffühler.*
- **Regulador electronico (calefacción/refrigeración) con sonda externa y sonda de impulso.**

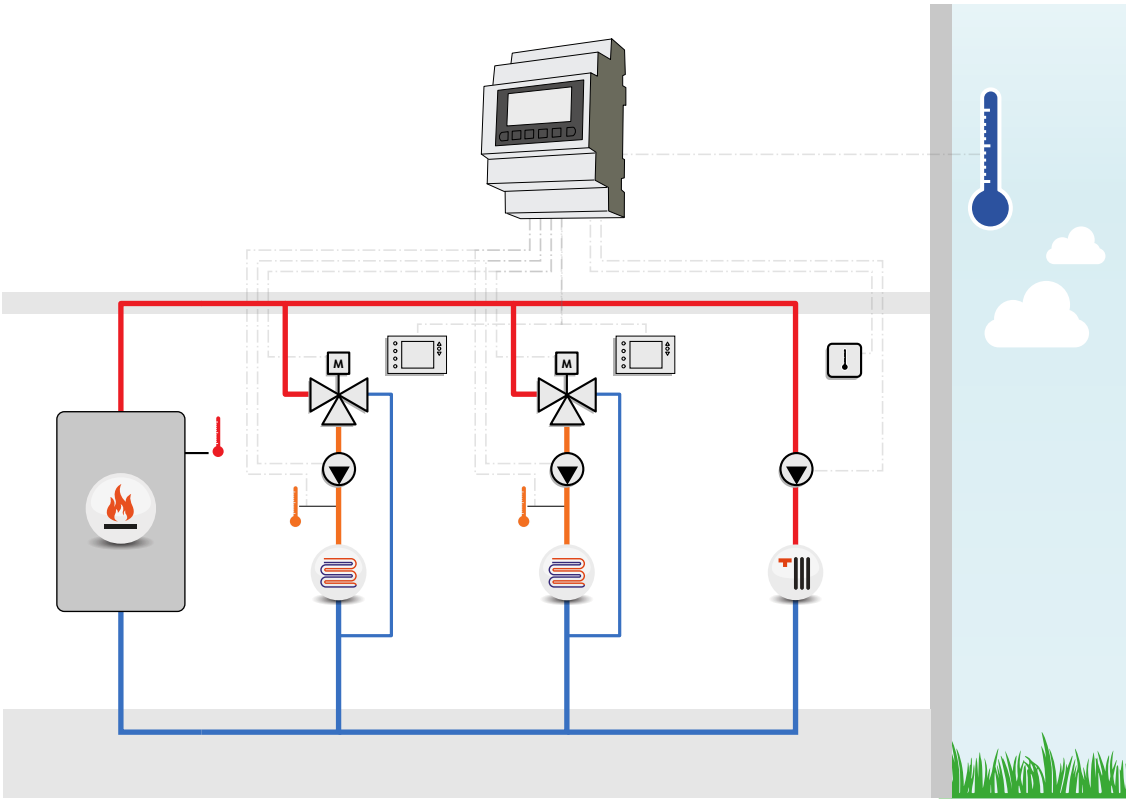
Code	Size	Module	Price	Class	Packaging
CHUB01	24 V AC - 20/30 V DC	4 DIN modules	967,12 €	VC	1

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CLIMA-HUB 02 electronic controller for heating only allows the management of.

- 2 mixed circuits controlled by On / Off room thermostats
- 1 direct circuit controlled by On / Off room thermostats.

The mixing valves are controlled by a **0-10 V proportional** voltage signal according to a setpoint which can be fixed or variable, based on a set climatic compensation. It is possible to connect a pump output for each circuit and provide the connection of a safety thermostat and a zone valve for the 2 mixed circuits.



Simplified scheme. Check manuals for correct electrical connections.

CLIMA-HUB 02



- **Regolatore elettronico (solo riscaldamento) completo di sonda esterna e due sonde di mandata.**
- *Electronic regulator (heating only) complete with external probe and two delivery probes.*
- **Régulateur électronique (seulement chauffage) avec sonde externe et deux sondes de refoulement.**
- *Elektronischer Regler (nur Heizung) komplett mit Außen- und zwei Vorlauffühler.*
- **Regulador electronico (solo calefacción) con sonda externa y dos sondas de impulso.**

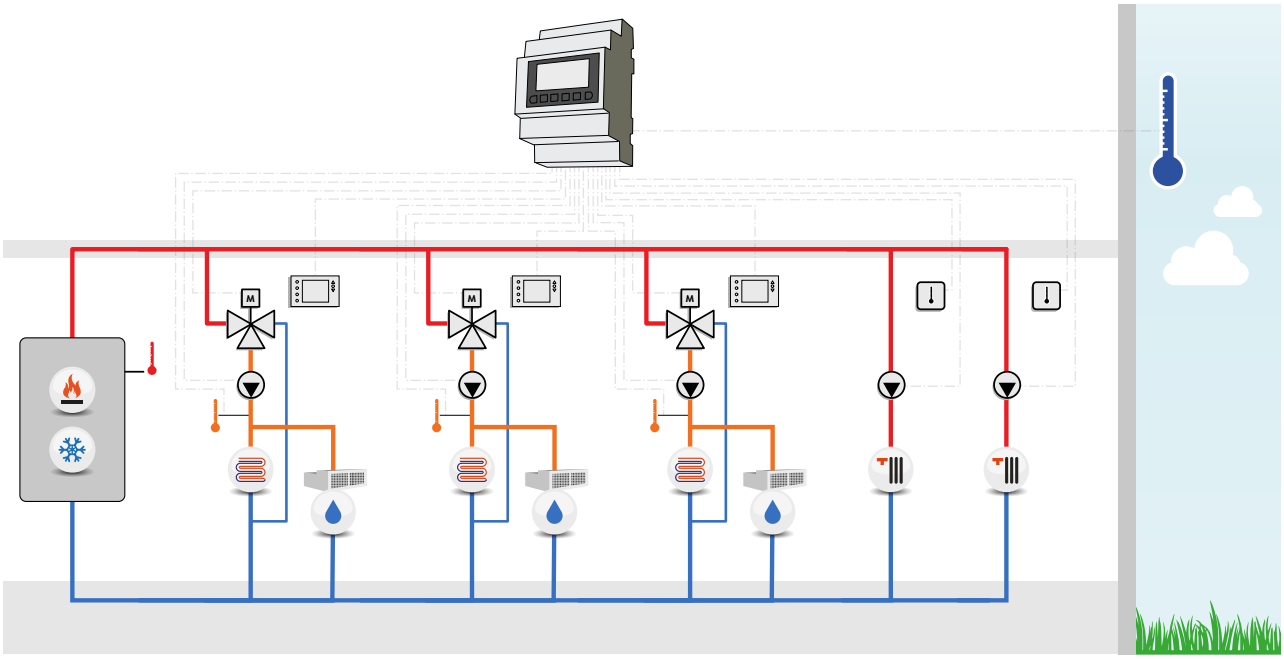
Code	Size	Module	Price	Class	Packaging
CHUB02	24 V AC - 20/30 V DC	4 DIN modules	967,12 €	VC	1

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CLIMA-HUB 03 electronic controller for heating/cooling allows the management of.

- 3 mixed circuit controlled by temperature/humidity probe
- 2 direct circuits controlled by On / Off room thermostats
- 3 dehumidification circuits.

The mixing valves are controlled by a **0-10 V proportional** voltage signal according to a setpoint which can be fixed or variable, based on a set climatic compensation. It is possible to connect a pump output for each circuit and provide the connection of a safety thermostat and a zone valve for the mixed circuit.



Simplified scheme. Check manuals for correct electrical connections.

CLIMA-HUB 03



- **Regolatore elettronico (riscaldamento/raffrescamento) completo di sonda esterna e tre sonde di mandata.**
- *Electronic regulator (heating/cooling) complete with external probe and three delivery probes.*
- **Régulateur électronique (chauffage/refroidissement) avec sonde externe et trois sondes de refoulement.**
- *Elektronischer Regler (Heizen/Kühlen) komplett mit Außen- und drei Vorlauffühler.*
- **Regulador electronico (calefacción/refrigeración) con sonda externa y tres sondas de impulso.**

Code	Size	Module	Price	Class	Packaging
CHUB03	24 V AC - 20/40 V DC	8 DIN modules	1.418,43 €	VC	1

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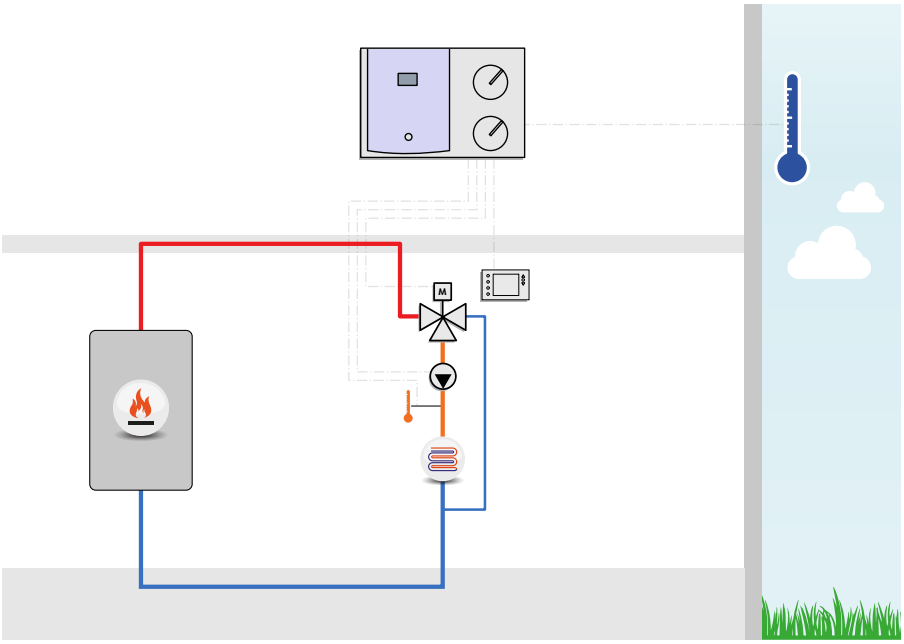
LAGO BASIC

LAGO BASIC electronic controller for heating only allows the management of:

- 1 mixed circuit controlled by On / Off room thermostats.

It is the basic solution for heating-only installations.

The mixing valve is controlled by a **3-point (230 V AC) voltage signal** according to a setpoint which can be fixed or variable, based on a set climatic compensation.



Simplified scheme. Check manuals for correct electrical connections.

LAGO BASIC



- **Regolatore climatico (solo riscaldamento) completo di sonda esterna e sonda di mandata.**
- *Climatic regulator (heating only) complete with external probe and delivery probe.*
- **Régulateur climatique (seulement chauffage) avec sonde externe et sonde de refoulement.**
- *Temperaturregler (nur Heizung) komplett mit Außen- und Vorlauffühler.*
- **Regulador climático (solo calefacción) con sonda externa y sonda de impulso.**

Code	Size	Price	Class	Packaging
99797309	230 V AC	541,59 €	VC	1

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THERMOSTATS

IVAR offers a complete range of digital thermostats and timed thermostats for regulation of individual environments, characterised especially for their intuitiveness in use.

JUSTO is a timed thermostat that provides hourly scheduling for every day of the week in 30 minute slots. The device offers both on/off and PWM operation. In PWM mode, it is able to reduce activation times by also taking thermal inertia into account, thus obtaining a more stable ambient temperature which is less susceptible to oscillations and offers greater comfort and energy savings. JUSTO LITE, on the other hand, is an on/off thermostat for heating/cooling.

The Justo range of thermostats is completed with the Justo and Justo Lite wireless versions. In this version, the thermostat (or timer thermostat) is supplied along with a plug containing a wireless receiver and relay.

The thermostat installed in the environment sends the heating request to the wireless receiver via radio. The receiver installed near the boiler provides the call for activation of the generator (fig. 1).

This solution allows the **thermostat to be easily installed in the environment without the need for costly and difficult wiring installations** to connect the thermostat to the boiler.

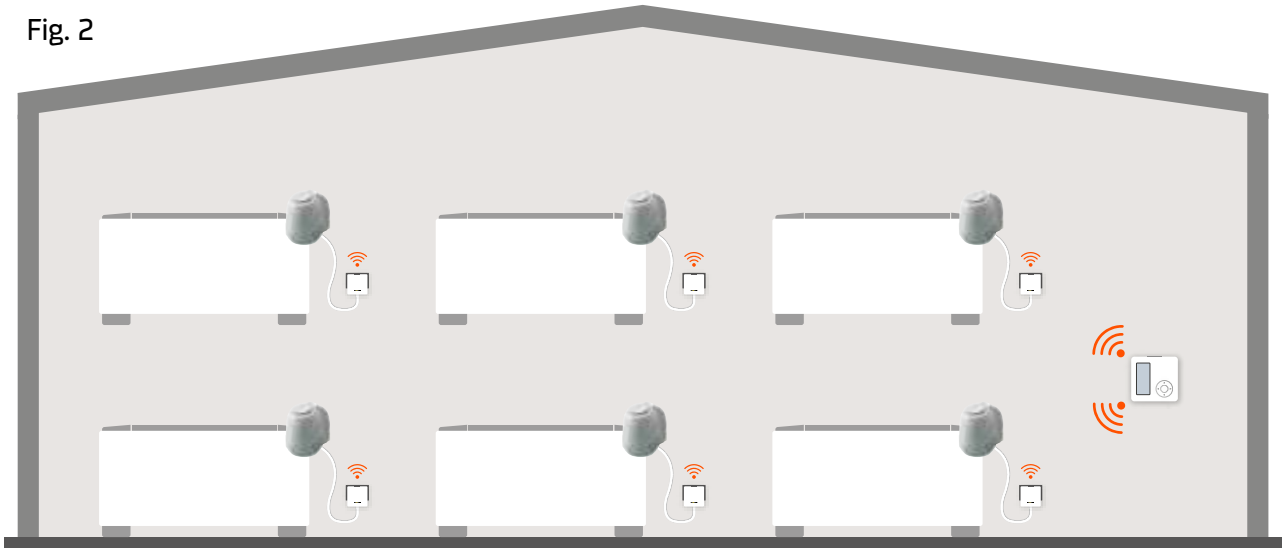
Obviously, the wireless receiver can also be used to operate a zone valve or supply the call signal for fancoils to turn on.

It is also possible to pair **a single thermostat with up to six wireless receivers**, thus allowing a single thermostat to provide the call signal to multiple terminal devices (e.g. fancoils) located in the same environment (fig. 2).

Fig. 1



Fig. 2



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JUSTO



- **Cronotermostato digitale ON/OFF o PWM (riscaldamento/raffrescamento).**
- *Digital timed thermostat ON/OFF or PWM (heating/cooling).*
- **Chronothermostat digital ON/OFF ou PWM (chauffage/refroidissement).**
- *Digitaler Chrono-Thermostat ON/OFF oder PWM (Heizung/Kühlung).*
- **Cronotermostato digital ON/OFF o PWM (calefacción/enfriamiento).**

Code	Size	Price	Class	Packaging
580021	Battery	127,69 €	VA	1 / 50

JUSTO LITE



- **Termostato digitale ON/OFF (riscaldamento/raffrescamento).**
- *Digital thermostat ON/OFF (heating/cooling).*
- **Thermostat digital ON/OFF (chauffage/refroidissement).**
- *Digitales Thermostat ON/OFF (Heizung/Kühlung).*
- **Termostato digital ON/OFF (calefacción/enfriamiento).**

Code	Size	Price	Class	Packaging
580010	Battery	88,14 €	VA	1

JUSTO W



- **Cronotermostato digitale ON/OFF o PWM (riscaldamento/raffrescamento) wireless con ricevitore.**
- *Wireless digital timed thermostat ON/OFF or PWM (heating/cooling) with receiver.*
- **Chronothermostat digital ON/OFF ou PWM (chauffage/refroidissement) sans fil avec récepteur.**
- *Wireless-digitales Chrono-Thermostat ON/OFF oder PWM (Heizung/Kühlung) mit Empfänger.*
- **Cronotermostato digital ON/OFF o PWM (calefacción/enfriamiento) wireless con receptor.**

Code	Size	Price	Class	Packaging
580024	Battery	226,00 €	VA	1 / 35

JUSTO LITE W



- **Termostato digitale ON/OFF (riscaldamento/raffrescamento) wireless con ricevitore.**
- *Wireless digital thermostat ON/OFF (heating/cooling) with receiver.*
- **Thermostat digital ON/OFF (chauffage/refroidissement) sans fil avec récepteur.**
- *Wireless digitales Thermostat ON/OFF (Heizung/Kühlung) mit Empfänger.*
- **Termostato digital wireless ON/OFF (calefacción/enfriamiento) con receptor.**

Code	Size	Price	Class	Packaging
580022	Battery	194,36 €	VA	1

RW 711 J



- **Ricevitore per JUSTO W.**
- *Receiver for JUSTO W.*
- **Récepteur pour JUSTO W.**
- *Empfänger für JUSTO W.*
- **Receptor para JUSTO W.**

Code	Price	Class	Packaging
580025	118,65 €	VA	1 / 35

RW 701 JL



- **Ricevitore per JUSTO LITE W.**
- *Receiver for JUSTO LITE W.*
- **Récepteur pour JUSTO LITE W.**
- *Empfänger für JUSTO LITE W.*
- **Receptor para JUSTO LITE W.**

Code	Price	Class	Packaging
580023	140,12 €	VA	1

ACB 05



- **Placca di copertura per montaggio cronotermostato, termostato o sonda di temperatura su scatola elettrica 503 E.**
- *Cover plate for the installation of timed thermostat, thermostat or temperature sensor on 503 E electrical box.*
- **Plaque de couverture pour le montage du chronothermostat, thermostat ou capteur de température sur la boîte électrique 503 E.**
- *Abdeckplatte für die Befestigung des Chrono-Thermostats, Thermostats oder Ersatztemperaturfühlers am Schaltkasten 503 E.*
- **Placa de cobertura para el montaje del cronotermostato, termostato o sensor de temperatura sobre la caja eléctrica 503 E.**

Code	Size	Price	Class	Packaging
506070	503 E	33,90 €	VA	100

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AC 701 thermostat is available for heating only (or cooling only) applications with the simple battery power supply and incremental buttons for changing the temperature setting.
IVAR also proposes two timed thermostats AC 710 (for heating only) and AC 711 (for hot/cold) with backlit display and possibility of programming on/off time slots during the day/week. AC 711 also has three outlets to change the speed of a fancoil.

AC 711



- **Cronotermostato digitale (riscaldamento/raffrescamento) con switch estate/inverno.**
- *Digital timed thermostat (heating/cooling) with summer/winter switch.*
- **Chronothermostat digital (chauffage/refroidissement) avec switch été/hiver.**
- *Digitaler Chrono-Thermostat (Heizung/Kühlung) mit Sommer/Winter Schaltung.*
- **Cronotermostato digital (calefacción/enfriamiento) con switch Verano/Invierno.**

Code	Size	Price	Class	Packaging
580015	230 V AC	127,27 €	VA	1

AC 701



- **Termostato digitale (solo riscaldamento).**
- *Digital thermostat (heating only).*
- **Thermostat digital (seulement chauffage).**
- *Digitales Thermostat (nur Heizung).*
- **Termostato digital (solo calefacción).**

Code	Size	Price	Class	Packaging
580011	Battery	69,05 €	VA	1 / 40

AC 710



- **Cronotermostato digitale giornaliero/settimanale (solo riscaldamento).**
- *Daily/weekly digital timed thermostat (heating only).*
- **Chronothermostat digital journalier/hebdomadaire (seulement chauffage).**
- *Täglicher/wöchentlicher Digital-Chronothermostat (nur Heizung).*
- **Cronotermostato digital diario/semanal (solo calefacción).**

Code	Size	Price	Class	Packaging
580012	Battery	108,71 €	VA	1 / 40

AC 710 T



- **Cronotermostato digitale giornaliero/settimanale (solo riscaldamento) con schermo touch.**
- *Daily/weekly digital timed thermostat (heating only) with touch screen.*
- **Chronothermostat digital journalier/hebdomadaire (seulement chauffage) avec écran tactile.**
- *Täglicher/wöchentlicher Digital-Chronothermostat (nur Heizung) mit Touchscreen.*
- **Cronotermostato digital diario/semanal (solo calefacción) con pantalla táctil.**

Code	Size	Price	Class	Packaging
580018	Battery	124,89 €	VA	1 / 40

CRTH



- **Cronotermostato con sensore di umidità.**
- *Timed thermostat with humidity sensor.*
- **Chronothermostat avec capteur d'humidité.**
- *Chronothermostat mit Feuchtigkeitssensor.*
- **Cronotermostato con sensor de humedad.**

Code	Size	Price	Class	Packaging
CRTH	220 V	596,07 €	VA	1

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MOTORS

The delivery temperature of the hydronic system is one of the essential parameters that needs to be controlled to keep the environment comfortable. With sector mixer valves, this control is usually entrusted to the combination of a servomotor mounted on the valve and an external regulator. The ADH 20 and CTC 20 servomotors integrate the regulation logic and the devices necessary to manage the mixed circuit without needing additional components.
CTC 20 makes fixed point regulation possible (in heating and cooling) and has an outlet for the secondary circulation pump.
ADH 20 is an actual climatic regulator for heating/cooling complete with external probe, secondary pump outlet and touch-screen display for programming. It can also connect several servomotors via bus which share external temperature information during regulation.
Both devices can be applied to traditional sector valves (3-way or 4-way) and to the mixing units of the VARIMIX system.

CTC 20



- **Attuatore rotativo con regolatore e sonde incorporati per il controllo a punto fisso delle valvole miscelatrici.**
- *Revolving actuator with incorporated regulator and probes for fixed point control of mixing valves.*
- **Actionneur rotatif avec régulateur et sondes incorporés pour le contrôle à point fixe des vannes mélangeuses.**
- *Drehbar Stellantrieb mit eingebauter Regler und Fühler für festwert Bedingung der Mischventile.*
- **Actuador rotativo con regulador y sondas incorporados para el control a punto fijo de las válvulas mezcladoras.**

Code	Size	Price	Class	Packaging
501648	230 V AC	477,76 €	PC	1

ADH 20



- **Attuatore rotativo con regolatore e sonde incorporati per controllo climatico delle valvole miscelatrici.**
- *Revolving actuator with incorporated regulator and probes for climatic control of mixing valves.*
- **Actionneur rotatif avec régulateur et sondes incorporés pour le contrôle climatique des vannes mélangeuses.**
- *Drehbar Stellantrieb mit eingebauten Regler und Fühler für klimatisch Bedingung der Mischventile.*
- **Actuador rotativo con regulador y sondas incorporados para el control climático de las válvulas mezcladoras.**

Code	Size	Price	Class	Packaging
501647	230 V AC	949,28 €	PC	1

M 106



- **Servomotore per valvole miscelatrici a settore.**
- *Motor for rotor mixing valves.*
- **Servomoteur pour vannes mélangeuses à rotor.**
- *Stellantrieb für Rotor-Mischventile.*
- **Servomotor para válvulas mezcladoras de rotor.**

Code	Size	Price	Class	Packaging
501394	3-point regulation (230 V AC)	167,29 €	PC	1 / 8
501395	Proportional 0-10 V (24 V AC)	337,66 €	PC	1 / 8
501396	3-point regulation (24 V AC)	200,34 €	PC	10

RV 01



- **Servomotore assiale. Compatibile con tutti i vitoni termostatici IVAR.**
- *Axial motor. Suitable for all IVAR thermostatic inserts.*
- **Servomoteur axial. Adapté pour tous les inserts thermostatiques IVAR.**
- *Axial-Stellantrieb. Geeignet für alle Thermostat-Reguliervorrichtungen IVAR.*
- **Servomotor axial. Adecuado para todos los tornillos termostáticos IVAR.**

Code	Size	Price	Class	Packaging
501381	M30 x 1,5 - 3-point regulation (230 V AC)	141,88 €	PC	1 / 100
501383	M30 x 1,5 - Proportional 0-10 V (24 V AC/DC)	164,60 €	PC	1 / 100

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ELECTROTHERMAL HEADS

The TE 3040, TE 3050 M and TE 3061 heads are equipped with “first open” function, i.e. the brand new actuator is in the normally open state when delivered. This allows the system to be flushed and filled with the heads already installed, even before the electrical wiring. Then, during commissioning, application of the operating voltage (for more than 6 minutes) automatically triggers the “first open” function making the actuator ready for operation. This function is not available for the NO (TE 4040 A) versions. All electrothermal heads are equipped with double insulation.

TE 3040



- **Testa elettrotermica normalmente chiusa (2 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 50 mm (no EASY-RADIANT).**
- *Electrothermal head normally closed (2 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 50 mm (no EASY-RADIANT).*
- **Tête électrothermique normalement fermée (2 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 50 mm (non EASY-RADIANT).**
- *Elektrothermischer Stellantriebe stromlos-zu (2 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 50 mm (keine EASY-RADIANT).*
- **Cabeza electrotérmica normalmente cerrada (de 2 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 50 mm (no EASY-RADIANT).**

Code	Size	Manifolds type	Price	Class	Packaging
501508	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 50 mm (no EASY-RADIANT)	36,60 €	AC	1 / 100
501524	M30 x 1,5 ; ON / OFF (24 V AC/DC)	OC distance ≥ 50 mm (no EASY-RADIANT)	36,60 €	AC	100

TE 4040 A



- **Testa elettrotermica normalmente aperta (2 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 50 mm (no EASY-RADIANT).**
- *Electrothermal head normally open (2 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 50 mm (no EASY-RADIANT).*
- **Tête électrothermique normalement ouverte (2 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 50 mm (non EASY-RADIANT).**
- *Elektrothermischer Stellantriebe stromlos-auf (2 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 50 mm (keine EASY-RADIANT).*
- **Cabeza electrotérmica normalmente abierta (de 2 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 50 mm (no EASY-RADIANT).**

Code	Size	Manifolds type	Price	Class	Packaging
501508A	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 50 mm (no EASY-RADIANT)	36,60 €	AC	1 / 100
501524A	M30 x 1,5 ; ON / OFF (24 V AC/DC)	OC distance ≥ 50 mm (no EASY-RADIANT)	36,60 €	AC	100

TE 3050 M



- **Testa elettrotermica normalmente chiusa con contatto di fine corsa (4 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 50 mm (no EASY-RADIANT).**
- *Electrothermal head normally closed with limit switch contact (4 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 50 mm (no EASY-RADIANT).*
- **Tête électrothermique normalement fermée avec contact de fin de course (4 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 50 mm (non EASY-RADIANT).**
- *Elektrothermischer Stellantriebe stromlos-zu mit Endschalterkontakt (4 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 50 mm (keine EASY-RADIANT).*
- **Cabeza electrotérmica normalmente cerrada con contacto de fin de carrera (de 4 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 50 mm (no EASY-RADIANT).**

Code	Size	Manifolds type	Price	Class	Packaging
500808M	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 50 mm (no EASY-RADIANT)	43,43 €	AC	100
500028M	M30 x 1,5 ; ON / OFF (24 V AC/DC)	OC distance ≥ 50 mm (no EASY-RADIANT)	43,43 €	AC	1 / 100

VA 80



- **Ghiera per teste elettrotermiche.**
- *Ring nut for electrothermal heads.*
- **Bague filetée pour têtes électrothermiques.**
- *Ring für Elektrothermischer Stellantriebe.*
- **Anillo para cabezas electrotérmicas.**

Code	Size	Price	Class	Packaging
501533	M30 x 1,5	3,441 €	AC	50 / 400

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TE 3040 IV



- **Testa elettrotermica normalmente chiusa (2 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 40 mm.**
- *Electrothermal head normally closed (2 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 40 mm.*
- **Tête électrothermique normalement fermée (2 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 40 mm.**
- *Elektrothermischer Stellantriebe stromlos-zu (2 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 40 mm.*
- **Cabeza electrotérmica normalmente cerrada (de 2 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 40 mm.**

Code	Size	Manifolds type	Price	Class	Packaging
501508E	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 40 mm	29,64 €	AC	1 / 100

TE 3050 MC



- **Testa elettrotermica normalmente chiusa con contatto di fine corsa (4 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 40 mm.**
- *Electrothermal head normally closed with limit switch contact (4 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 40 mm.*
- **Tête électrothermique normalement fermée avec contact de fin de course (4 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 40 mm.**
- *Elektrothermischer Stellantriebe stromlos-zu mit Endschalterkontakt (4 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 40 mm.*
- **Cabeza electrotérmica normalmente cerrada con contacto de fin de carrera (de 4 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 40 mm.**

Code	Size	Manifolds type	Price	Class	Packaging
500808MC	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 40 mm	43,43 €	AC	100

TE 6040



- **Testa elettrotermica normalmente chiusa (2 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 40 mm.**
- *Electrothermal head normally closed (2 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 40 mm.*
- **Tête électrothermique normalement fermée (2 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 40 mm.**
- *Elektrothermischer Stellantriebe stromlos-zu (2 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 40 mm.*
- **Cabeza electrotérmica normalmente cerrada (de 2 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 40 mm.**

Code	Size	Manifolds type	Price	Class	Packaging
501390	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 40 mm	36,00 €	AC	1 / 100
501391	M30 x 1,5 ; ON / OFF (24 V AC/DC)	OC distance ≥ 40 mm	36,00 €	AC	1 / 100

TE 6050 M



- **Testa elettrotermica normalmente chiusa con contatto di fine corsa (4 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 40 mm.**
- *Electrothermal head normally closed with limit switch contact (4 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 40 mm.*
- **Tête électrothermique normalement fermée avec contact de fin de course (4 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 40 mm.**
- *Elektrothermischer Stellantriebe stromlos-zu mit Endschalterkontakt (4 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 40 mm.*
- **Cabeza electrotérmica normalmente cerrada con contacto de fin de carrera (de 4 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 40 mm.**

Code	Size	Manifolds type	Price	Class	Packaging
501514	M30 x 1,5 ; ON / OFF (230 V AC)	OC distance ≥ 40 mm	43,43 €	AC	1 / 70
501401	M30 x 1,5 ; ON / OFF (24 V AC/DC)	OC distance ≥ 40 mm	43,43 €	AC	1 / 70

TE 3061



- **Testa elettrotermica normalmente chiusa (comando proporzionale 0-10 V). Compatibile con tutti i vitoni termostatizzabili IVAR.**
- *Electrothermal head normally closed (proportional control 0-10 V). Suitable for all IVAR thermostatic inserts.*
- **Tête électrothermique normalement fermée (commande proportionnel 0-10 V). Adaptée pour tous les inserts thermostatisables IVAR.**
- *Elektrothermischer Stellantriebe normalerweise geschlossen (proporzional Steuerung 0-10 V). Geeignet für alle Thermostat-Regulier-vorrichtungen IVAR.*
- **Cabeza electrotérmica normalmente cerrada (control proporcional 0-10 V). Adecuada para todos los tornillos termostatizables IVAR.**

Code	Size	Price	Class	Packaging
500887	M30 x 1,5 ; Proportional 0-10 V (24 V AC)	126,64 €	AC	100

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WIRING ACCESSORIES

The offer of the environment regulation devices is completed with two further accessories which make it extremely easy to wire standard systems with one or more thermostats: CBL 01 and ALC 01. The first is a simple relay board which can be connected to a consent for the heating demand and activates the secondary pump (for floor system with mixing and booster unit), activates the boiler and connects the safety thermostat to interrupt the secondary pump in case of overtemperature.
ALC 01 is a connection unit which can be powered at 230 VAC or 24 VAC and makes it possible to connect up to 8 thermostats for the independent management of 8 zones. It has just as many outlets to switch the electrothermal heads applied to the distribution manifolds on/off. ALC 01 can also activate the secondary pump or the boiler if there is a heating demand in at least one zone.

CBL 01



- **Scatola di cablaggio con scheda elettrica.**
- *Wiring box with electric board.*
- **Boîtier de câblage avec carte électrique.**
- *Anschlusskasten mit Platine.*
- **Caja de cableado con tarjeta eléctrica.**

Code	Size	Price	Class	Packaging
501828I	230 V AC	93,45 €	VA	4 / 32

ALC 01



- **Wiring center per controllo di zona (max 8 zone).**
- *Wiring center for zone control (max 8 zones).*
- **Wiring center pour contrôle de zone (max 8 zones).**
- *Wiring center für Zonenkontrolle (max. 8 Zonen).*
- **Wiring center para control de zona (máximo 8 zonas).**

Code	Size	Price	Class	Packaging
ALC01	230 V AC / 24 V AC	191,54 €	VA	1

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SAFETY THERMOSTATS

AC 614



- **Termostato di sicurezza regolabile a contatto.**
- *Adjustable contact safety thermostat.*
- **Thermostat de sécurité réglable à contact.**
- *Einstellbarer berührendes Sicherheitsthermostat.*
- **Termostato de seguridad regulable a contacto.**

Code	Price	Class	Packaging
580002	26,52 €	VA	10

AC 613 C



- **Termostato di sicurezza regolabile precablato a contatto.**
- *Pre-wired adjustable contact safety thermostat.*
- **Thermostat de sécurité réglable pré-câblé à contact.**
- *Einstellbarer berührendes Sicherheitsthermostat, vorverdrahtet.*
- **Termostato de seguridad regulable precableado a contacto.**

Code	Price	Class	Packaging
580000	69,35 €	VA	1 / 8

AC 616



- **Termostato di sicurezza regolabile con sonda ad immersione.**
- *Adjustable safety thermostat with immersion probe.*
- **Thermostat de sécurité réglable avec sonde à immersion.**
- *Einstellbarer Tauchhülse-Sicherheitsthermostat.*
- **Termostato de seguridad regulable con sonda de inmersión.**

Code	Price	Class	Packaging
580003	49,16 €	VA	6

AC 613 S



- **Termostato di sicurezza precablato con sonda ad immersione.**
- *Pre-wired safety thermostat with immersion probe.*
- **Thermostat de sécurité pré-câblé avec sonde à immersion.**
- *Einstellbarer Tauchhülse-Sicherheitsthermostat, vorverdrahtet*
- **Termostato de seguridad regulable precableado con sonda de inmersión.**

Code	Price	Class	Packaging
580001	91,81 €	VA	1 / 8

AC 616 I



- **Termostato di sicurezza regolabile con sonda a distanza.**
- *Adjustable safety thermostat with distance thermometer.*
- **Thermostat de sécurité réglable avec sonde à distance.**
- *Einstellbarer Sicherheitsthermostat mit Fernfühler.*
- **Termostato de seguridad regulable con sonda a distancia.**

Code	Price	Class	Packaging
580007	50,29 €	VA	8

AC 613 SI



- **Termostato di sicurezza regolabile precablato con sonda a distanza.**
- *Pre-wired adjustable safety thermostat with distance thermometer.*
- **Thermostat de sécurité réglable pré-câblé avec sonde à distance.**
- *Einstellbarer Sicherheitsthermostat mit Fernfühler, vorverdrahtet.*
- **Termostato de seguridad regulable precableado con sonda a distancia.**

Code	Price	Class	Packaging
580008	92,98 €	VA	1 / 8

AC 634



- **Termostato di sicurezza a taratura fissa.**
- *Safety thermostat with fixed setting.*
- **Thermostat de sécurité à graduation fixe.**
- *Sicherheitsthermostat mit Fixkalibrierung.*
- **Termostato de seguridad con calibración fija.**

Code	Size	Max operating temp.	Price	Class	Packaging
580020	1/2'' M	40 °C	36,63 €	VA	8 / 64
580009	1/2" M	60 °C	35,22 €	VA	8 / 64

AC 613 F



- **Termostato di sicurezza a taratura fissa precablato.**
- *Pre-wired safety thermostat with fixed setting.*
- **Thermostat de sécurité à graduation fixe pré-câblé.**
- *Vorverkabeltes Sicherheitsthermostat mit feststehender Einstellung.*
- **Termostato de seguridad con calibración fija precableado.**

Code	Size	Max operating temp.	Price	Class	Packaging
580014	1/2" M	60 °C	72,81 €	VA	1 / 8

AC 608



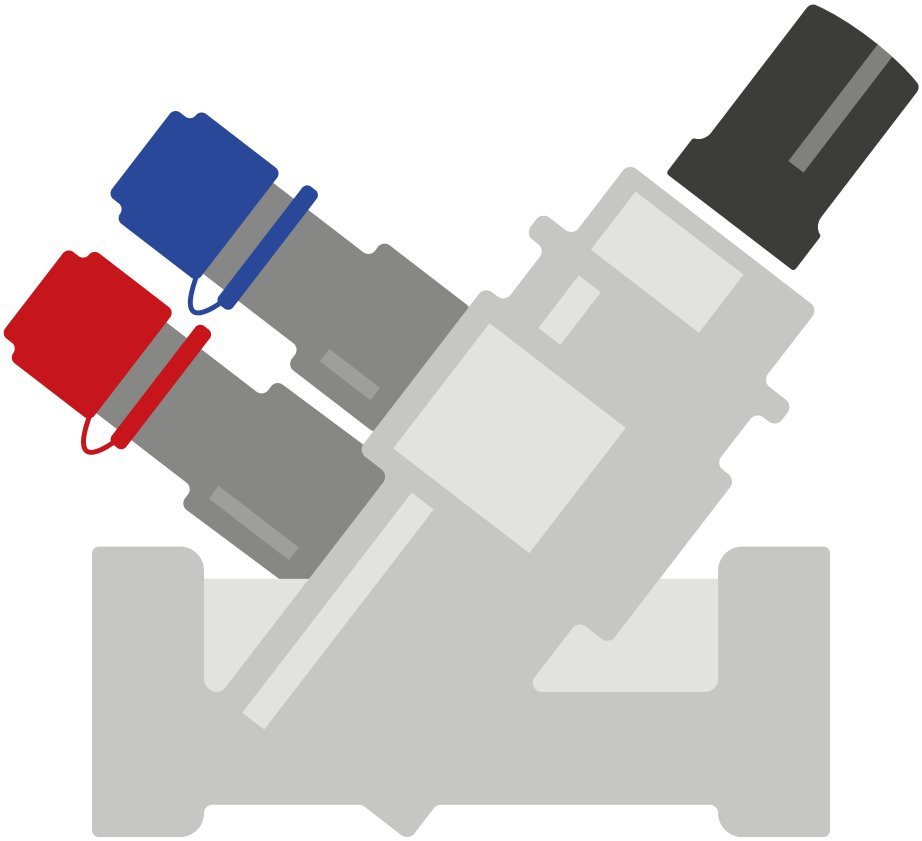
- **Kit di collegamento elettrico per la connessione in serie di termostato di sicurezza e pompa.**
- *Electrical connection kit for connection in series of safety thermostat and pump.*
- **Kit de connexion électrique pour la connexion en série d'un thermostat de sécurité et de la pompe.**
- *Elektrischer Anschluss-Bausatz für die Verbindung in Reihe der Sicherheitsthermostat und der Pumpe.*
- **Kit de conexión eléctrica para la conexión en serie de termostato de seguridad y de la bomba.**

Code	Price	Class	Packaging
501370	37,01 €	VA	14

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HYDRAULIC BALANCING



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Valvole di bilanciamento statico
Static balancing valves
Vannes d'équilibrage statique
Statische Ausgleichsventile
Válvulas de equilibrio estático
368



Valvole di bilanciamento dinamico PICV
PICV dynamic balancing valves
Vannes d'équilibrage dynamique PICV
Dynamische Abgleichventile PICV
Válvulas de equilibrio dinámico PICV
370



EQUIFLUID - Valvole di bilanciamento per la regolazione della pressione differenziale
EQUIFLUID - Balancing valves for differential pressure adjustment
EQUIFLUID - Vannes d'équilibrage pour le réglage de la pression différentielle
EQUIFLUID - Ausgleichsventile für die Regelung des Differenzdrucks
EQUIFLUID - Válvulas de equilibrio para la regulación de la presión diferencial
378



STATIC BALANCING VALVES

These balancing valves allow suitable pressure drops to occur to ensure that each branch of the circuit has the required design flow rate.
These are equipped with suitable pressure ports, which, when placed at the ends of a calibrated hole, allow the differential pressure, Δp, directly attributable to the flow through the valve, to be determined using a special kit (AVB 20).
Depending on the position of the hole in the valve, a distinction can be made between valves with a fixed orifice VB 00, where the pressure ports are read across a calibrated passage (Venturi), and valves with a variable orifice VB 10, where the pressure ports are across the shutter.
The VB 00 (fixed orifice), with a fixed Kv value, allows the flow rate to be read immediately based on the measured Δp. Therefore, these are particularly suitable for performing line operations (measurement, adjustment) accurately. On the other hand, the VB10 requires a measurement of Δp and a Kv graph for each adjustment position, which is less immediate, but which provides a good measurement of Δp even with very low flow rates.

VB 00



- **Valvola di bilanciamento statico ad orifizio fisso. * Il valore KVs indica il KV del Venturi e non quello dell'intera tavola.**
- *Static balancing valve with a fixed bore. * The KVs value indicates the KV of the Venturi and not that of the entire panel.*
- **Vanne d'équilibrage statique à orifice fixe. * La valeur KVs indique le KV du Venturi et pas celui de toute la planche.**
- *Festwert Strangregulierventil mit fester Öffnung. * Der KVs Wert bezieht sich auf den KV der Venturi-Rohre, nicht der gesamten Platte.*
- **Válvula de equilibrio estático de orificio fijo. * El valor KVs indica el KV del Venturi y no toda la tabla.**

Code	Size	Price	Class	Packaging
509067	1/2" F x 1/2" F - 2,80 KVs*	120,33 €	TE	1 / 8
509068	3/4" F x 3/4" F - 5,33 KVs*	119,76 €	TE	1 / 8
509069	1" F x 1" F - 9,72 KVs*	145,36 €	TE	1 / 8
509070	1"1/4 F x 1"1/4 F- 20,25 KVs*	174,79 €	TE	1 / 8
509071	1"1/2 F x 1"1/2 F - 30,23 KVs*	210,50 €	TE	1 / 8
509072	2" F x 2" F - 55,07 KVs*	294,48 €	TE	1 / 8

VB 10



- **Valvola di bilanciamento statico ad orifizio variabile.**
- *Static balancing valve with a variable bore.*
- **Vanne d'éuilibrage statique à orifice variable.**
- *Statisches Ausgleichsventil mit variabler Öffnung.*
- **Válvulas de equilibro estático de orificio variable.**

Code	Size	Price	Class	Packaging
509135	1/2" F x 1/2" F - 2,67 KV max	104,05 €	TE	2 / 8
509136	3/4" F x 3/4" F - 4,10 KV max	119,01 €	TE	2 / 8
509137	1" F x 1" F - 6,40 KV max	145,50 €	TE	1 / 4
509138	1"1/4 F x 1"1/4 F - 12,00 KV max	174,50 €	TE	1 / 4
509139	1"1/2 F x 1"1/2 F - 19,50 KV max	217,50 €	TE	1 / 4
509140	2" F x 2" F - 29,80 KV max	305,50 €	TE	1 / 4

VB 20



- **Valvole di bilanciamento statico per portate elevate.**
- *Static balancing valves for high flow capacity.*
- **Vannes d'équilibrage statique pour débit élevé.**
- *Statisches Ausgleichsventil für erhöhte Durchfluss.*
- **Válvulas de equilibrado estático para caudales elevados.**

Code	Size	Price	Class	Packaging
509170	DN 50	541,29 €	TH	1
509171	DN 65	613,73 €	TH	1
509172	DN 80	813,37 €	TH	1
509173	DN 100	1.130,57 €	TH	1
509174	DN 125	1.584,54 €	TH	1
509175	DN 150	2.379,53 €	TH	1
509176	DN 200	4.651,94 €	TH	1
509177	DN 250	8.128,70 €	TH	1
509178	DN 300	11.697,15 €	TH	1

AVB 20



- **Kit di misurazione elettronica di portata e pressione differenziale.**
- *Electronic capacity and differential pressure measurement kit.*
- **Kit de mesurage électronique de débit et pression différentielle.**
- *Bausatz zur elektronischen Messung von Volumenstrom und Differenzdruck.*
- **Kit de medición electrónica de caudal y presión diferencial.**

Code	Included Accessories	Price	Class	Packaging
509089		2.300,12 €	TE	1
509133	Database included (to be used with an App)	5.735,32 €	TE	1

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AVB 00



- **Presa piezometrica con scarico.**
- *Piezometric socket with discharge.*
- **Prise piézométrique avec décharge.**
- *Piezometrischer Messventil mit Abfluss.*
- **Toma piezométrica con descarga.**

Code	Size	Price	Class	Packaging
509087	1/4" M	33,58 €	TE	1

AVB 10



- **Presa piezometrica.**
- *Piezometric socket.*
- **Prise piézométrique.**
- *Piezometrischer Messventil.*
- **Toma piezométrica.**

Code	Size	Color	Price	Class	Packaging
509088B	1/4" M		6,78 €	TE	100
509088R	1/4" M		6,78 €	TE	100

TM 00



- **Tronchetto in acciaio inox assemblabile tra flange per la lettura indiretta della portata.**
- *Stainless steel riser fitted between flanges for indirect readout of capacity.*
- **Cylindre en acier inox assemblable entre les brides pour la lecture indirecte du débit.**
- *Zwischen Flanschen einsetzbares Rohrstück aus Edelstahl zum indirekten Abmessung des Volumenstroms.*
- **Tronco de acero inox ensamblable entre bridas para la lectura indirecta de la capacidad.**

Code	Kv	Size	Price	Class	Packaging
509078	88.20	2"1/2	515,57 €	TE	1
509079	123	3"	578,79 €	TE	1
509080	215.60	4"	657,05 €	TE	1

TM 10



- **Tronchetto per la lettura indiretta della portata.**
- *Riser for indirect readout of capacity.*
- **Cylindre pour la lecture indirecte du débit.**
- *Rohrstück zum indirekten Abmessung des Volumenstroms.*
- **Tronco para la lectura indirecta de la capacidad.**

Code	Kv	Size	Color	Price	Class	Packaging
509081	2.80	1/2" M x 1/2" F	/	43,17 €	TE	1
509082	5.33	3/4" M x 3/4" F	/	46,59 €	TE	1
509083	9.72	1" M x 1" F	/	57,17 €	TE	1
509084	20.25	1"1/4 M x 1"1/4 F	/	70,65 €	TE	1
509085	30.23	1"1/2 M x 1"1/2 F	/	83,67 €	TE	1
509086	55.07	2" M x 2" F	/	106,16 €	TE	1

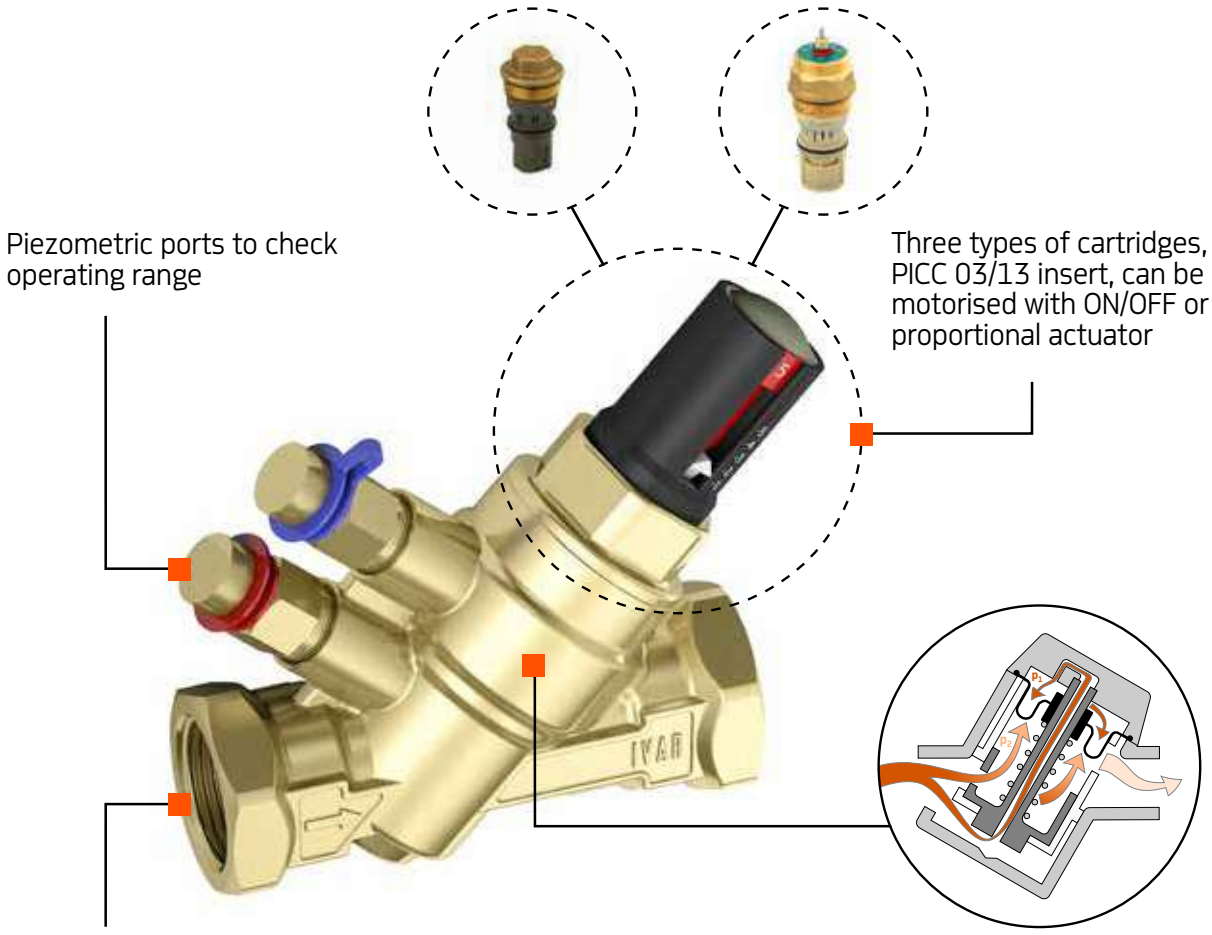
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PICV

PICV (Pressure Independent Control Valves) are dynamic balancing valves, which, thanks to a diaphragm device with a contrast spring, are able to maintain a constant flow rate within a certain range of differential pressure.
These devices consist of a valve body that can be combined with an insert depending on the type of operation and the required working conditions (flow rate, differential pressure). There are four types of inserts:

- PICC 01/11, available in different models for valves from DN 15 to DN 32. This insert makes it possible to pre-calibrate the flow rate with up to 8 available levels/positions, while providing for its stabilisation, even in case of pressure variations.
- PICC 02/12/22, available in different models for valves from DN 15 to DN 50, which transforms the PICV valve into a flow stabiliser. Using a special key a position/range can be selected from among the 41 available on each insert. The advantage compared to PICC 01/11 is that the calibration position can be changed directly from the outside and while the system is running.
- PICC 03/13, available in different models for valves from DN 15 to DN 32. This insert has similar features to the previous one, namely it stabilises the flow rate and the choice of 41 different flow positions, but it also can be fitted with an on/off or 0-10 V axial actuator. This way it is possible to provide for the cut off of the valve, but also and above all, the modulation of the flow rate regardless of the differential pressure. Actually, the valve limits the maximum flow rate, modulating it independently of the pressure at the ends of the insert.
- PICC 20, available in over 100 different models for DN 65 and DN 80 sizes. These inserts guarantee a single flow rate value within a pre-set range of differential pressure.

PLUS



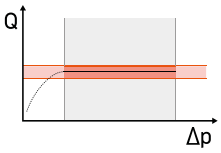
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The most suitable regulating cartridge can be chosen for each valve:

PICC 01 **PICC 11**







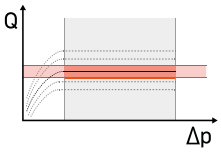
Automatically stabilises the flow rate at the value set

Δp: 20-130/40-400/15-130/22-300/30-410 kPa

PICC 02 **PICC 12** **PICC 22**







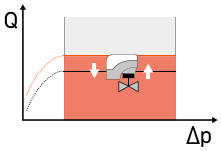
Automatically stabilises the flow rate at the value set, adjustable even when the system is running

Δp: 17-210/17-200/30-400/35-400/17-400/20-400 kPa

PICC 03 **PICC 13**







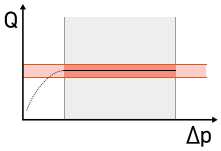
Stabilises the flow rate at the value determined by an external control. Even in modulation, its authority is always 100%.

Δp: 16-200/30-400/16-400 kPa

PICC 20



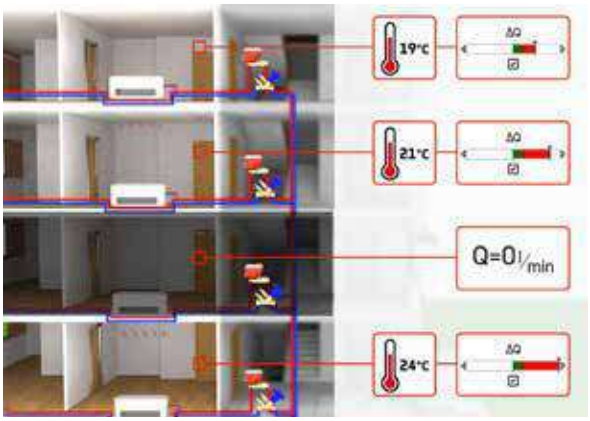




Available in sizes DN 65/80, it automatically stabilises the flow rate at the value set

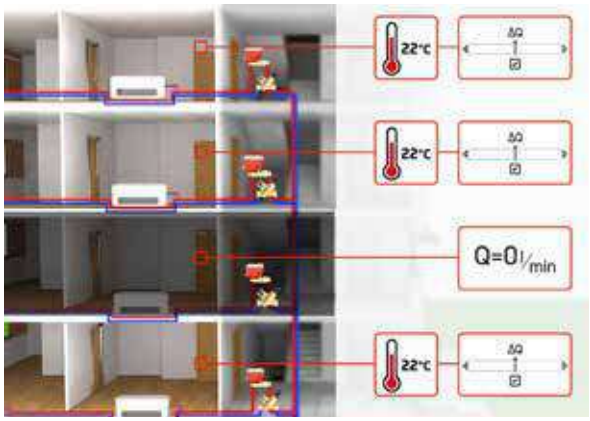
Δp: 10-135/28-135/22-210/55-210/40-390/90-880 kPa

Static balancing



Turning the individual components on and off in the different branches of the system causes hydraulic imbalances in the lines, which can lead to inconvenient situations (excessive or insufficient temperatures) and a waste of energy.

Dynamic balancing



Even with these variations, PICV valves react by avoiding hydraulic imbalances in the circuits and keeping a constant flow rate at the terminals served.

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PICV 00



- **Corpo valvola di bilanciamento dinamico, completo di tappo e predisposizione per prese piezometriche. Connessioni femmina – femmina**
- *Dynamic balancing valve body, complete with plug and arrangement for piezometric inlets. Female - female connections.*
- **Corps de vanne d'équilibrage dynamique, avec bouchon et prédisposition pour prises piézométriques. Connexions femelle - femelle**
- *Körper dynamisches Abgleichventil, komplett mit Kappe und Vorrüstung für Piezometeranschlüsse. IG - IG anschlüsse*
- **Cuerpo de válvula de equilibrado dinámico provisto de tapón y preparado para tomas piezométricas. Conexiones hembra - hembra**

Code	Size	Color	Price	Class	Packaging
590065	1/2" F x 1/2" F		41,22 €	TE	5 / 40
590066	3/4" F x 3/4" F		41,22 €	TE	5 / 40
590141	1" F x 1" F		47,98 €	TE	4 / 16

PICV 05



- **Corpo valvola di bilanciamento dinamico, completo di tappo e predisposizione per prese piezometriche. Connessioni maschio – maschio**
- *Dynamic balancing valve body, complete with plug and arrangement for piezometric inlets. Male - male connections.*
- **Corps de vanne d'équilibrage dynamique, avec bouchon et prédisposition pour prises piézométriques. Connexions mâle - mâle**
- *Körper dynamisches Abgleichventil, komplett mit Kappe und Vorrüstung für Piezometeranschlüsse. AG - AG anschlüsse*
- **Cuerpo de válvula de equilibrado dinámico provisto de tapón y preparado para tomas piezométricas. Conexiones macho - macho**

Code	Size	Color	Price	Class	Packaging
590099	EUROK x EUROK		42,16 €	TE	5 / 40
590069	3/4" M x 3/4" M		42,16 €	TE	5 / 40
590144	1" M x 1" M		49,32 €	TE	2 / 8
590145	1"1/4 M x 1"1/4 M		49,32 €	TE	2 / 8

PICV 10



- **Corpo valvola di bilanciamento dinamico, completo di tappo e predisposizione per prese piezometriche. Connessioni maschio – maschio con bocchettone.**
- *Dynamic balancing valve body, complete with plug and arrangement for piezometric inlets. Male - male with fitting connections.*
- **Corps de vanne d'équilibrage dynamique, avec bouchon et prédisposition pour prises piézométriques. Connexions mâle - mâle avec raccord.**
- *Körper dynamisches Abgleichventil, komplett mit Kappe und Vorrüstung für Piezometeranschlüsse. AG - AG Anschlüsse mit Stutzen.*
- **Cuerpo de válvula de equilibrado dinámico provisto de tapón y preparado para tomas piezométricas. Conexiones macho - macho con manguito.**

Code	Size	Color	Price	Class	Packaging
590073	1/2" M x 1/2" M		53,52 €	TE	5 / 40
590148	3/4" M x 3/4" M		64,21 €	TE	2 / 16
590149	1" M x 1" M		68,25 €	TE	2 / 16

PICV 100



- **Corpo valvola di bilanciamento dinamico, completo di tappo e predisposizione per prese piezometriche. Connessioni femmina – femmina**
- *Dynamic balancing valve body, complete with plug and arrangement for piezometric inlets. Female - female connections.*
- **Corps de vanne d'équilibrage dynamique, avec bouchon et prédisposition pour prises piézométriques. Connexions femelle - femelle**
- *Körper dynamisches Abgleichventil, komplett mit Kappe und Vorrüstung für Piezometeranschlüsse. IG - IG anschlüsse*
- **Cuerpo de válvula de equilibrado dinámico provisto de tapón y preparado para tomas piezométricas. Conexiones hembra - hembra**

Code	Size	Color	Price	Class	Packaging
590067	1" F x 1" F		138,53 €	TE	2 / 8
590068	1"1/4 F x 1"1/4 F		138,53 €	TE	2 / 16

PICV 105



- **Corpo valvola di bilanciamento dinamico, completo di tappo e predisposizione per prese piezometriche. Connessioni maschio – maschio**
- *Dynamic balancing valve body, complete with plug and arrangement for piezometric inlets. Male - male connections.*
- **Corps de vanne d'équilibrage dynamique, avec bouchon et prédisposition pour prises piézométriques. Connexions mâle - mâle**
- *Körper dynamisches Abgleichventil, komplett mit Kappe und Vorrüstung für Piezometeranschlüsse. AG - AG anschlüsse*
- **Cuerpo de válvula de equilibrado dinámico provisto de tapón y preparado para tomas piezométricas. Conexiones macho - macho**

Code	Size	Color	Price	Class	Packaging
590070	1" M x 1" M		136,37 €	TE	2 / 8
590071	1"1/4 M x 1"1/4 M		136,37 €	TE	2 / 8
590072	1"1/2 M x 1"1/2 M		137,18 €	TE	2 / 8

PICV 110



- **Corpo valvola di bilanciamento dinamico, completo di tappo e predisposizione per prese piezometriche. Connessioni maschio – maschio con bocchettone**
- *Dynamic balancing valve body, complete with plug and arrangement for piezometric inlets. Male - male with fitting connections.*
- **Corps de vanne d'équilibrage dynamique, avec bouchon et prédisposition pour prises piézométriques. Connexions mâle - mâle avec raccord.**
- *Körper dynamisches Abgleichventil, komplett mit Kappe und Vorrüstung für Piezometeranschlüsse. AG - AG Anschlüsse mit Stutzen.*
- **Cuerpo de válvula de equilibrado dinámico provisto de tapón y preparado para tomas piezométricas. Conexiones macho - macho con manguito.**

Code	Size	Color	Price	Class	Packaging
590074	3/4" M x 3/4" M		151,23 €	TE	2 / 16
590075	1" M x 1" M		157,05 €	TE	2 / 16
590076	1"1/4 M x 1"1/4 M		170,96 €	TE	2 / 16

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PICC 01



- **Cartuccia per la stabilizzazione della portata. Fino ad 8 valori di portata importabili. Compatibile con PICV 00/05/10.**
- *Cartridge for stabilising the flow rate. Up to 8 flow rate values. Suitable for PICV 00/05/10.*
- **Cartouche pour la stabilisation du débit. Jusqu'à 8 valeurs de débit configurables. Adaptée pour PICV 00/05/10.**
- *Einsatz für Stabilisierung des Durchflusses. Bis zu 8 mögliche Durchflusswerte. Geeignet für PICV 00/05/10.*
- **Cartucho para estabilizar el caudal. Hasta 8 valores de caudal disponibles. Adecuada para PICV 00/05/10.**

Code	Size	Color	Price	Class	Packaging
590100	20-130 kPa; 29-155 l/h		49,80 €	TE	1
590101	20-130 kPa; 207-430 l/h		49,80 €	TE	1
590102	20-130 kPa; 223-526 l/h		49,80 €	TE	1
590103	20-130 kPa; 162-695 l/h		49,80 €	TE	1
590104	20-130 kPa; 352-984 l/h		49,80 €	TE	1
590105	40-400 kPa; 42-250 l/h		49,80 €	TE	1
590106	40-400 kPa; 281-653 l/h		49,80 €	TE	1
590107	40-400 kPa; 203-792 l/h		49,80 €	TE	1
590108	40-400 kPa; 215-998 l/h		49,80 €	TE	1
590109	40-400 kPa; 493-1470 l/h		49,80 €	TE	1

PICC 03





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• RV 03 >>p. 376

- **Cartuccia per la limitazione e modulazione della portata indipendente dalla pressione. 41 valori di portata importabili. Compatibile con PICV 00/05/10.**
- *Cartridge for limiting and modulating the flow rate independently of the pressure. 41 settable flow rate values. Suitable for PICV 00/05/10.*
- **Cartouche pour la limitation et la modulation du débit indépendamment de la pression. 41 valeurs de débit configurables. Adaptée pour PICV 00/05/10.**
- *Einsatz für Begrenzung und Modulation des Durchflusses unabhängig von Druck. 41 mögliche Durchflusswerte. Geeignet für PICV 00/05/10.*
- **Cartucho para limitar y modular el caudal independientemente de la presión. 41 valores de caudal disponibles. Adecuada para PICV 00/05/10.**

Code	Size	Color	Price	Class	Packaging
590123	16-200 kPa; 37-575 l/h		107,70 €	TE	1
590124	30-400 kPa; 64-1110 l/h		107,70 €	TE	1
590127	35-800 kPa; 620-2650 l/h		107,70 €	TE	1

PICC 12



- **Cartuccia per la stabilizzazione della portata. 41 valori di portata impostabili dall'esterno e ad impianto funzionante. Compatibile con PICV 100/105/110.**
- *Cartridge for stabilising the flow rate. 41 flow rate values settable from the outside and when system is in function. Suitable for PICV 100/105/110.*
- **Cartouche pour la stabilisation du débit. 41 valeurs de débit configurables de l'extérieur et avec le système en marche. Adaptée pour PICV 100/105/110.**
- *Einsatz für Stabilisierung des Durchflusses. 41 Durchflusswerte einstellbaren von der Außenseite und mit dem Systemlauf. Geeignet für PICV 100/105/110.*
- **Cartucho para estabilizar el caudal. 41 valores de caudal ajustables desde el exterior y con el sistema en funcionamiento. Adecuada para PICV 100/105/110.**

Code	Size	Color	Price	Class	Packaging
590122	17-400 kPa; 535-5830 l/h		137,74 €	TE	1

PICC 02



- **Cartuccia per la stabilizzazione della portata. 41 valori di portata impostabili dall'esterno e ad impianto funzionante. Compatibile con PICV 00/05/10.**
- *Cartridge for stabilising the flow rate. 41 flow rate values settable from the outside and when system is in function. Suitable for PICV 00/05/10.*
- **Cartouche pour la stabilisation du débit. 41 valeurs de débit configurables de l'extérieur et avec le système en marche. Adaptée pour PICV 00/05/10.**
- *Einsatz für Stabilisierung des Durchflusses. 41 Durchflusswerte einstellbaren von der Außenseite und mit dem Systemlauf. Geeignet für PICV 00/05/10.*
- **Cartucho para estabilizar el caudal. 41 valores de caudal ajustables desde el exterior y con el sistema en funcionamiento. Adecuada para PICV 00/05/10.**

Code	Size	Color	Price	Class	Packaging
590116	17-210 kPa; 100-412 l/h		62,73 €	TE	1
590117	17-210 kPa; 157-609 l/h		62,73 €	TE	1
590118	17-200 kPa; 276-825 l/h		62,73 €	TE	1
590119	30-400 kPa; 406-1270 l/h		62,73 €	TE	1
590120	35-400 kPa; 138-615 l/h		62,73 €	TE	10 / 80
590121	35-400 kPa; 238-896 l/h		62,73 €	TE	1

PICC 11



- **Cartuccia per la stabilizzazione della portata. Fino ad 8 valori di portata impostabili. Compatibile con PICV 100/105/110.**
- *Cartridge for stabilising the flow rate. Up to 8 flow rate values. Suitable for PICV 100/105/110.*
- **Cartouche pour la stabilisation du débit. Jusqu'à 8 valeurs de débit configurables. Adaptée pour PICV 100/105/110.**
- *Einsatz für Stabilisierung des Durchflusses. Bis zu 8 mögliche Durchflusswerte. Geeignet für PICV 100/105/110.*
- **Cartucho para estabilizar el caudal. Hasta 8 valores de caudal disponibles. Adecuada para PICV 100/105/110.**

Code	Size	Color	Price	Class	Packaging
590110	15-130 kPa; 612-2380 l/h		90,40 €	TE	1
590111	15-130 kPa; 936-3060 l/h		90,40 €	TE	1
590112	22-300 kPa; 828-3020 l/h		90,40 €	TE	1
590113	22-300 kPa; 1370-4360 l/h		90,40 €	TE	1
590114	30-410 kPa; 972-3560 l/h		90,40 €	TE	5
590115	30-410 kPa; 1580-5150 l/h		90,40 €	TE	1

PICC 13





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- **Cartuccia per la limitazione e modulazione della portata indipendente dalla pressione. 41 valori di portata importabili. Compatibile con PICV 100/105/110.**
- *Cartridge for limiting and modulating the flow rate independently of the pressure. 41 settable flow rate values. Suitable for PICV 100/105/110.*
- **Cartouche pour la limitation et la modulation du débit indépendamment de la pression. 41 valeurs de débit configurables. Adaptée pour PICV 100/105/110.**
- *Einsatz für Begrenzung und Modulation des Durchflusses unabhängig von Druck. 41 mögliche Durchflusswerte. Geeignet für PICV 100/105/110.*
- **Cartucho para limitar y modular el caudal independientemente de la presión. 41 valores de caudal disponibles. Adecuada para PICV 100/105/110.**

Code	Size	Color	Price	Class	Packaging
590125	16-400 kPa; 865-4630 l/h		224,40 €	TE	1

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PICV 200



- **Corpo valvola di bilanciamento dinamico, completo di tappo e predisposizione per prese piezometriche. Connessioni femmina – femmina**
- *Dynamic balancing valve body, complete with plug and arrangement for piezometric inlets. Female - female connections.*
- **Corps de vanne d'équilibrage dynamique, avec bouchon et prédisposition pour prises piézométriques. Connexions femelle - femelle**
- *Körper dynamisches Abgleichventil, komplett mit Kappe und Vorrüstung für Piezometeranschlüsse. IG - IG anschlüsse*
- **Cuerpo de válvula de equilibrado dinámico provisto de tapón y preparado para tomas piezométricas. Conexiones hembra - hembra**

Code	Size	Color	Price	Class	Packaging
590142	1"1/2 F x 1"1/2 F		224,34 €	TE	2
590143	2" F x 2" F		251,37 €	TE	2

PICV 205



- **Corpo valvola di bilanciamento dinamico, completo di tappo e predisposizione per prese piezometriche. Connessioni maschio – maschio**
- *Dynamic balancing valve body, complete with plug and arrangement for piezometric inlets. Male - male connections.*
- **Corps de vanne d'équilibrage dynamique, avec bouchon et prédisposition pour prises piézométriques. Connexions mâle - mâle**
- *Körper dynamisches Abgleichventil, komplett mit Kappe und Vorrüstung für Piezometeranschlüsse. AG - AG anschlüsse*
- **Cuerpo de válvula de equilibrado dinámico provisto de tapón y preparado para tomas piezométricas. Conexiones macho - macho**

Code	Size	Color	Price	Class	Packaging
590146	2" M x 2" M		209,49 €	TE	2
590147	2"1/2 M x 2"1/2 M		236,52 €	TE	2

PICV 210



- **Corpo valvola di bilanciamento dinamico, completo di tappo e predisposizione per prese piezometriche. Connessioni maschio – maschio con bocchettone**
- *Dynamic balancing valve body, complete with plug and arrangement for piezometric inlets. Male - male with fitting connections.*
- **Corps de vanne d'équilibrage dynamique, avec bouchon et prédisposition pour prises piézométriques. Raccords mâle - mâle avec raccord**
- *Körper dynamisches Abgleichventil, komplett mit Kappe und Vorrüstung für Piezometeranschlüsse. AG - AG Anschlüsse mit Stutzen.*
- **Cuerpo de válvula de equilibrado dinámico provisto de tapón y preparado para tomas piezométricas. Conexiones macho - macho con manguito**

Code	Size	Color	Price	Class	Packaging
590150	1"1/2 M x 1"1/2 M		264,88 €	TE	27 / 27
590151	2" M x 2" M		291,91 €	TE	27 / 27

PICC 22



- **Cartuccia per la stabilizzazione della portata. 41 valori di portata impostabili dall'esterno e ad impianto funzionante. Compatibile con PICV 200/205/210.**
- *Cartridge for stabilising the flow rate. 41 flow rate values settable from the outside and when system is in function. Suitable for PICV 200/205/210.*
- **Cartouche pour la stabilisation du débit. 41 valeurs de débit configurables de l'extérieur et avec le système en marche. Adaptée pour PICV 200/205/210.**
- *Einsatz für Stabilisierung des Durchflusses. 41 Durchflusswerte einstellbaren von der Außenseite und mit dem Systemlauf. Geeignet für PICV 200/205/210.*
- **Cartucho para estabilizar el caudal. 41 valores de caudal ajustables desde el exterior y con el sistema en funcionamiento. Adecuada para PICV 200/205/210.**

Code	Size	Color	Price	Class	Packaging
590126	20-400 kPa; 3178-16128 l/h		220,51 €	TE	1

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PICV 300



- **Corpo valvola di bilanciamento dinamico, completo di prese piezometriche e predisposizione per inserto. Connessioni femmina – femmina.**
- *Dynamic balancing valve body, complete with piezometric inlets and arrangement for insert. Female - female connections.*
- **Corps de vanne d'équilibrage dynamique, avec prises piézométriques et prédisposition pour insert. Connexions femelle - femelle.**
- *Körper dynamisches Abgleichventil, komplett mit Piezometeranschlüsse und Vorrüstung für Einsatz. IG - IG anschlüsse.*
- **Cuerpo de válvula de equilibrado dinámico provisto de tomas piezométricas y preparado para inserto. Conexiones hembra - hembra.**

Code	Size	Color	Price	Class	Packaging
590200	DN 65 - 2"1/2 F x 2"1/2 F		607,85 €	TH	1
590201	DN 80 - 3" F x 3" F		666,04 €	TH	1

PICC 20



- **Inserto per PICV 300.**
- *Insert for PICV 300.*
- **Insert pour PICV 300.**
- *Einsatz für PICV 300.*
- **Inserto para PICV 300.**

Code	Size	Price	Class
590202	10-135 kPa; 3,18 m³/h	516,03 €	TH
590203	10-135 kPa; 3,63 m³/h	516,03 €	TH
590204	10-135 kPa; 4,09 m³/h	516,03 €	TH
590205	10-135 kPa; 4,54 m³/h	516,03 €	TH
590206	10-135 kPa; 5,00 m³/h	516,03 €	TH
590207	10-135 kPa; 5,45 m³/h	516,03 €	TH
590208	10-135 kPa; 5,91 m³/h	516,03 €	TH
590209	10-135 kPa; 6,36 m³/h	516,03 €	TH
590210	10-135 kPa; 6,81 m³/h	516,03 €	TH
590211	10-135 kPa; 7,27 m³/h	516,03 €	TH
590212	10-135 kPa; 7,72 m³/h	516,03 €	TH
590213	10-135 kPa; 8,18 m³/h	516,03 €	TH
590214	10-135 kPa; 8,63 m³/h	516,03 €	TH
590215	10-135 kPa; 9,08 m³/h	516,03 €	TH
590216	10-135 kPa; 9,54 m³/h	516,03 €	TH
590217	10-135 kPa; 9,99 m³/h	516,03 €	TH
590218	10-135 kPa; 10,40 m³/h	516,03 €	TH
590219	10-135 kPa; 10,90 m³/h	516,03 €	TH
590220	10-135 kPa; 11,40 m³/h	516,03 €	TH
590221	10-135 kPa; 11,80 m³/h	516,03 €	TH
590222	10-135 kPa; 12,30 m³/h	516,03 €	TH
590223	10-135 kPa; 12,70 m³/h	516,03 €	TH
590224	10-135 kPa; 13,20 m³/h	516,03 €	TH
590225	10-135 kPa; 13,60 m³/h	516,03 €	TH
590226	28-135 kPa; 20,40 m³/h	516,03 €	TH
590227	28-135 kPa; 25,00 m³/h	516,03 €	TH
590228	28-135 kPa; 29,50 m³/h	516,03 €	TH
590229	22-210 kPa; 3,97 m³/h	516,03 €	TH
590230	22-210 kPa; 4,54 m³/h	516,03 €	TH
590231	22-210 kPa; 5,11 m³/h	516,03 €	TH
590232	22-210 kPa; 5,68 m³/h	516,03 €	TH
590233	22-210 kPa; 6,25 m³/h	516,03 €	TH
590234	22-210 kPa; 6,81 m³/h	516,03 €	TH
590235	22-210 kPa; 7,38 m³/h	516,03 €	TH

PICC 20



- **Inserto per PICV 300.**
- *Insert for PICV 300.*
- **Insert pour PICV 300.**
- *Einsatz für PICV 300.*
- **Inserto para PICV 300.**

Code	Size	Price	Class
590236	22-210 kPa; 7,95 m³/h	516,03 €	TH
590237	22-210 kPa; 8,52 m³/h	516,03 €	TH
590238	22-210 kPa; 9,08 m³/h	516,03 €	TH
590239	22-210 kPa; 9,65 m³/h	516,03 €	TH
590240	22-210 kPa; 10,20 m³/h	516,03 €	TH
590241	22-210 kPa; 10,80 m³/h	516,03 €	TH
590242	22-210 kPa; 11,40 m³/h	516,03 €	TH
590243	22-210 kPa; 11,90 m³/h	516,03 €	TH
590244	22-210 kPa; 12,50 m³/h	516,03 €	TH
590245	22-210 kPa; 13,10 m³/h	516,03 €	TH
590246	22-210 kPa; 13,60 m³/h	516,03 €	TH
590247	22-210 kPa; 14,20 m³/h	516,03 €	TH
590248	22-210 kPa; 14,80 m³/h	516,03 €	TH
590249	22-210 kPa; 15,30 m³/h	516,03 €	TH
590250	22-210 kPa; 15,90 m³/h	516,03 €	TH
590251	22-210 kPa; 16,50 m³/h	516,03 €	TH
590252	22-210 kPa; 17,00 m³/h	516,03 €	TH
590253	55-210 kPa; 25,00 m³/h	516,03 €	TH
590254	55-210 kPa; 30,71 m³/h	516,03 €	TH
590255	55-210 kPa; 36,30 m³/h	516,03 €	TH
590256	40-390 kPa; 5,30 m³/h	516,03 €	TH
590257	40-390 kPa; 6,06 m³/h	516,03 €	TH
590258	40-390 kPa; 6,81 m³/h	516,03 €	TH
590259	40-390 kPa; 7,57 m³/h	516,03 €	TH
590260	40-390 kPa; 8,33 m³/h	516,03 €	TH
590261	40-390 kPa; 9,08 m³/h	516,03 €	TH
590262	40-390 kPa; 9,84 m³/h	516,03 €	TH
590263	40-390 kPa; 10,60 m³/h	516,03 €	TH
590264	40-390 kPa; 11,40 m³/h	516,03 €	TH
590265	40-390 kPa; 12,10 m³/h	516,03 €	TH
590266	40-390 kPa; 12,90 m³/h	516,03 €	TH
590267	40-390 kPa; 13,60 m³/h	516,03 €	TH
590268	40-390 kPa; 14,40 m³/h	516,03 €	TH
590269	40-390 kPa; 15,10 m³/h	516,03 €	TH

PICC 20



- **Inserto per PICV 300.**
- *Insert for PICV 300.*
- **Insert pour PICV 300.**
- *Einsatz für PICV 300.*
- **Inserto para PICV 300.**

Code	Size	Price	Class
590270	40-390 kPa; 15,90 m³/h	516,03 €	TH
590271	40-390 kPa; 16,70 m³/h	516,03 €	TH
590272	40-390 kPa; 17,40 m³/h	516,03 €	TH
590273	40-390 kPa; 18,20 m³/h	516,03 €	TH
590274	40-390 kPa; 18,90 m³/h	516,03 €	TH
590275	40-390 kPa; 19,70 m³/h	516,03 €	TH
590276	40-390 kPa; 20,40 m³/h	516,03 €	TH
590277	40-390 kPa; 21,20 m³/h	516,03 €	TH
590278	40-390 kPa; 22,00 m³/h	516,03 €	TH
590279	40-390 kPa; 22,70 m³/h	516,03 €	TH
590280	90-880 kPa; 7,95 m³/h	516,03 €	TH
590281	90-880 kPa; 9,08 m³/h	516,03 €	TH
590282	90-880 kPa; 10,20 m³/h	516,03 €	TH
590283	90-880 kPa; 11,40 m³/h	516,03 €	TH
590284	90-880 kPa; 12,50 m³/h	516,03 €	TH
590285	90-880 kPa; 13,60 m³/h	516,03 €	TH
590286	90-880 kPa; 14,80 m³/h	516,03 €	TH
590287	90-880 kPa; 15,90 m³/h	516,03 €	TH
590288	90-880 kPa; 17,00 m³/h	516,03 €	TH
590289	90-880 kPa; 18,20 m³/h	516,03 €	TH
590290	90-880 kPa; 19,30 m³/h	516,03 €	TH
590291	90-880 kPa; 20,40 m³/h	516,03 €	TH
590292	90-880 kPa; 21,60 m³/h	516,03 €	TH
590293	90-880 kPa; 22,70 m³/h	516,03 €	TH
590294	90-880 kPa; 23,80 m³/h	516,03 €	TH
590295	90-880 kPa; 25,00 m³/h	516,03 €	TH
590296	90-880 kPa; 26,10 m³/h	516,03 €	TH
590297	90-880 kPa; 27,30 m³/h	516,03 €	TH
590298	90-880 kPa; 28,40 m³/h	516,03 €	TH
590299	90-880 kPa; 29,50 m³/h	516,03 €	TH
590300	90-880 kPa; 30,71 m³/h	516,03 €	TH
590301	90-880 kPa; 31,80 m³/h	516,03 €	TH
590302	90-880 kPa; 32,90 m³/h	516,03 €	TH
590303	90-880 kPa; 34,10 m³/h	516,03 €	TH

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TE 3003

- **Attuatore elettrotermico per cartuccia PICC 03 (ON / OFF o comando proporzionale).**
- *Electrothermal actuator for PICC 03 cartridge (ON / OFF or proportional control).*
- **Actionneur électrothermique pour cartouche PICC 03 (ON / OFF ou commande proportionnel).**
- *Elektrothermischer Stellantriebe für Einsatz PICC 03 (ON / OFF oder proporzional Steuerung).*
- **Actuador electrotérmico para cartucho PICC 03 (ON / OFF o control proporcional).**

Code	Size	Price	Class	Packaging
501388	M30 x 1,5 ; ON / OFF (230 V AC)	52,77 €	TE	1 / 64
501389	M30 x 1,5 ; ON / OFF (24 V AC)	58,58 €	TE	1 / 70
501387	M30 x 1,5 ; Proportional 0-10 V (24 V AC)	137,20 €	TE	1

RV 03



- **Servomotore assiale per cartuccia PICC 03 / PICC 13 (ON / OFF o comando proporzionale).**
- *Axial motor for PICC 03 / PICC 13 cartridge (ON / OFF or proportional control).*
- **Servomoteur axial pour cartouche PICC 03 / PICC 13 (ON / OFF ou commande proportionnel).**
- *Axial-Stellantrieb für Einsatz PICC 03 / PICC 13 (ON / OFF oder proporzional Steuerung).*
- **Servomotor axial para cartucho PICC 03 / PICC 13 (ON / OFF o control proporcional).**

Code	Size	Price	Class	Packaging
501385	M30 x 1,5 ; 2-point/3-point regulation (230 V AC)	208,16 €	TE	1
501386	M30 x 1,5 ; 2-point/3-point regulation (24 V AC)	208,16 €	TE	1
501384	M30 x 1,5 ; Proportional 0-10 V (24 V AC)	216,67 €	TE	1

AVB 10



- **Presa piezometrica.**
- *Piezometric socket.*
- **Prise piézométrique.**
- *Piezometrischer Messventil.*
- **Toma piezométrica.**

Code	Size	Color	Price	Class	Packaging
509088B	1/4" M		6,78 €	TE	100
509088R	1/4" M		6,78 €	TE	100

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PICV XL

PICV XL are valves that are independent from the pressures used for large size systems and pipelines.
These valves are produced in cast iron and are available in the sizes from DN 65 to DN 150.
As with all PICV, they maintain a constant flow rate with a set differential pressure range (30-400 kPa).
Thanks to a control damper, the flow rate can be adjusted statically to partial loads (via the relative handwheel) or dynamically (via the actuator). The flow rate is linear, and the valve is fitted with special piezometric points to enable checks/measurements of the effective flow rate when required.

PICV XL



- **Valvola di bilanciamento dinamico per portate elevate.**
- *Dynamic balancing valve for high flow capacity.*
- **Vanne d'équilibrage dynamique pour débit élevé.**
- *Dynamisches Abgleichventil für erhöhte Durchfluss.*
- **Válvula de equilibrado dinámico para caudales elevados.**

Code	Size	Range	Price	Class	Packaging
550126	DN 65	30–400 kPa; 4,4–26 m³/h	2.378,97 €	TH	1
550127	DN 80	30–400 kPa; 4,7–36 m³/h	2.572,42 €	TH	1
550128	DN 100	30–400 kPa; 11,4–82,5 m³/h	2.983,00 €	TH	1
550129	DN 125	30–400 kPa; 13,1–125 m³/h	4.522,63 €	TH	1
550130	DN 150	30–400 kPa; 19–160 m³/h	6.938,65 €	TH	1

BRA 24A



- **Servomotore proporzionale per valvole PICV-XL.**
- *Proportional motor for PICV-XL valves.*
- **Servomoteur proportionnel pour vannes PICV-XL.**
- *Proportional Stellantrieb für PICV-XL Ventile.*
- **Servomotor proporcional para válvulas PICV-XL.**

Code	Size	Price	Class	Packaging
509145	10 N·m (DN 65-80)	696,37 €	TH	1
509146	20 N·m (DN 100-150)	770,23 €	TH	1

BRA 065



- **Volantino manuale per valvole PICV-XL.**
- *Manual steering wheel for PICV-XL valves.*
- **Volant manuel pour vannes PICV-XL.**
- *Manuelles Lenkrad für PICV-XL Ventile.*
- **Volante manual para válvulas PICV-XL.**

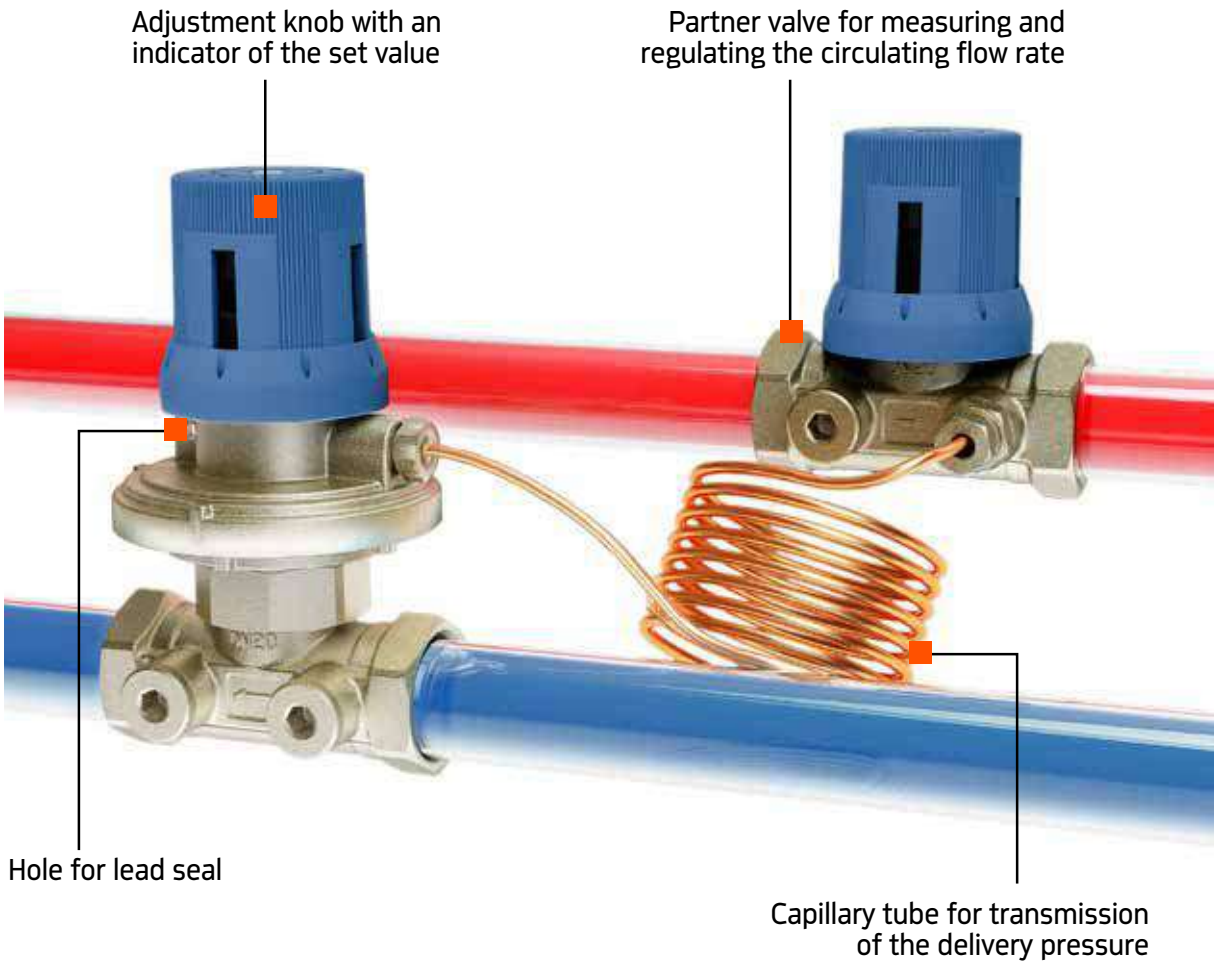
Code	Size	Price	Class	Packaging
509147	DN 65-150	242,13 €	TH	1

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EQUIFLUID

The differential pressure regulator is a dynamic balancing valve, which keeps the pressure difference at the ends of the circuit constant at the set value because it is able to react to pressure variations generated in the system, thanks to the combined action of a diaphragm and a spring. This regulation is perfect for keeping variable flow systems, such as thermostatic valves, satellite utilities or multi-zone controlled manifold systems, balanced at all times.
The partner valve is the ideal complement to the differential pressure regulator, because it allows balancing of the circulating flow rate, the transmission of the delivery pressure to the regulator, the measurement of the pressure differences in play and the cut off of the branch with position memory.
IVAR has developed a **new set of EQUIFLUID valves with fixed calibration** that are to be installed on the basis of the differential pressure to be maintained, which must be known in advance (unlike when using EQUIFLUID standard, which can be regulated within a certain range of differential pressures).
Finally, completing the range, **EQUIFLUID is now also available in the new sizes DN 32, DN 40, and DN 50**.

PLUS



- **Dynamic balancing of variable flow systems**
- **Optimisation of the operation of centralised systems**
- **Improvement of control valve operating conditions in the balanced circuit**
- **Reduction of noise phenomena**

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EQF 01



- **Regolatore di pressione differenziale EQUIFLUID con/senza coibentazione termica e capillare.**
- *Differential pressure control valve EQUIFLUID with/without thermal insulation and capillary pipe.*
- **Régulateur de pression différentielle EQUIFLUID avec/sans isolation thermique et capillaire.**
- *Differenzdruckregler EQUIFLUID mit/ohne Wärmedämmung und Kapillarrohr.*
- **Regulador de presión diferencial EQUIFLUID con/sin aislamiento térmico y capilar.**

Code	Size	Range	Insulation	Price	Class	Packaging
550113SI	DN 15 (F)	50 - 300 mbar	-	195,82 €	TE	1 / 8
550114SI	DN 15 (F)	250 - 600 mbar	-	195,82 €	TE	1 / 8
550115SI	DN 20 (F)	50 - 300 mbar	-	216,51 €	TE	1 / 8
550116SI	DN 20 (F)	250 - 600 mbar	-	216,51 €	TE	1 / 8
550100SI	DN 20 (M)	50 - 300 mbar	-	208,68 €	TE	1 / 8
550101SI	DN 20 (M)	250 - 600 mbar	-	208,68 €	TE	1 / 8
550117SI	DN 25 (F)	50 - 300 mbar	-	262,27 €	TE	1 / 8
550118SI	DN 25 (F)	250 - 600 mbar	-	262,27 €	TE	1 / 8
550160SI	DN 32 (F)	50 - 300 mbar	-	479,00 €	TE	2
550163SI	DN 32 (F)	250 - 600 mbar	-	479,00 €	TE	1 / 8
550161SI	DN 40 (F)	50 - 300 mbar	-	519,00 €	TE	1 / 8
550164SI	DN 40 (F)	250 - 600 mbar	-	519,00 €	TE	1 / 8
550162SI	DN 50 (F)	50 - 300 mbar	-	549,00 €	TE	1 / 8
550165SI	DN 50 (F)	250 - 600 mbar	-	549,00 €	TE	1 / 8
550113	DN 15 (F)	50 - 300 mbar	✓	205,95 €	TE	1 / 8
550114	DN 15 (F)	250 - 600 mbar	✓	205,95 €	TE	1 / 8
550115	DN 20 (F)	50 - 300 mbar	✓	226,64 €	TE	1 / 8
550116	DN 20 (F)	250 - 600 mbar	✓	226,64 €	TE	1 / 8
550100	DN 20 (M)	50 - 300 mbar	✓	218,82 €	TE	1 / 8
550101	DN 20 (M)	250 - 600 mbar	✓	218,82 €	TE	1 / 8
550117	DN 25 (F)	50 - 300 mbar	✓	272,42 €	TE	1 / 8
550118	DN 25 (F)	250 - 600 mbar	✓	272,42 €	TE	1 / 8

EQF 02



- **Valvola "partner" per regolatore di pressione differenziale EQUIFLUID con/senza coibentazione termica.**
- *"Partner" valve for differential pressure control valve EQUIFLUID with/without thermal insulation.*
- **Vanne «partner» pour le régulateur de pression différentielle EQUIFLUID avec/sans isolation thermique.**
- *Partner-Ventil für Differenzdruckregler EQUIFLUID mit/ohne Wärmedämmung.*
- **Válvula "partner" para regulador de presión diferencial EQUIFLUID con/sin aislamiento térmico.**

Code	Size	Insulation	Price	Class	Packaging
550110SI	DN 15 (F)	-	81,46 €	TE	1 / 8
550111SI	DN 20 (F)	-	81,46 €	TE	1 / 8
550109SI	DN 20 (M)	-	73,25 €	TE	1 / 8
550112SI	DN 25 (F)	-	85,32 €	TE	1 / 8
550166SI	DN 32 (F)	-	162,00 €	TE	1 / 8
550167SI	DN 40 (F)	-	187,00 €	TE	1 / 8
550168SI	DN 50 (F)	-	207,00 €	TE	1 / 8
550110	DN 15 (F)	✓	89,04 €	TE	1 / 8
550111	DN 20 (F)	✓	89,04 €	TE	1 / 8
550109	DN 20 (M)	✓	80,49 €	TE	1 / 8
550112	DN 25 (F)	✓	92,56 €	TE	1 / 8

EQF 03



- **Valvola "partner" serie BASIC per regolatore di pressione differenziale EQUIFLUID con/senza coibentazione termica.**
- *"Partner" valve BASIC series for differential pressure control valve EQUIFLUID with/without thermal insulation.*
- **Vanne «partner» série BASIC pour le régulateur de pression différentielle EQUIFLUID avec/sans isolation thermique.**
- *Partner-Ventil BASIC-Serie für Differenzdruckregler EQUIFLUID mit/ohne Wärmedämmung.*
- **Válvula "partner" serie BASIC para regulador de presión diferencial EQUIFLUID con/sin aislamiento térmico.**

Code	Size	Insulation	Price	Class	Packaging
550104SI	DN 15 (F)	-	57,72 €	TE	1 / 6
550105SI	DN 20 (F)	-	60,03 €	TE	1 / 8
550103SI	DN 20 (M)	-	58,70 €	TE	1 / 8
550106SI	DN 25 (F)	-	68,94 €	TE	1 / 8
550104	DN 15 (F)	✓	63,85 €	TE	1 / 8
550105	DN 20 (F)	✓	66,49 €	TE	1 / 8
550103	DN 20 (M)	✓	65,18 €	TE	1 / 8
550106	DN 25 (F)	✓	75,19 €	TE	1 / 8

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EQF 05



- **Regolatore di pressione differenziale EQUIFLUID a taratura fissa con capillare, con/senza coibentazione termica.**
- *Differential pressure control valve EQUIFLUID with fixed setting and capillary pipe, with/without thermal insulation.*
- **Régulateur de pression différentielle EQUIFLUID à étalonnage fixe avec capillaire, avec/sans isolation thermique.**
- *Differenzdruckregler EQUIFLUID mit fester Eichung und Kapillarrohr, mit/ohne Wärmedämmung.*
- **Regulador de presión diferencial EQUIFLUID a valor fijo con capilar, con/sin aislamiento térmico.**

Code	Size	Range	Insulation	Price	Class	Packaging
550113150SI	DN 15 (F)	150 mbar	-	174,59 €	TE	1 / 8
550115150SI	DN 20 (F)	150 mbar	-	191,54 €	TE	1 / 8
550100150SI	DN 20 (M)	150 mbar	-	185,89 €	TE	1 / 8
550117150SI	DN 25 (F)	150 mbar	-	246,91 €	TE	1 / 8
550113300SI	DN 15 (F)	300 mbar	-	174,59 €	TE	1 / 8
550115300SI	DN 20 (F)	300 mbar	-	191,54 €	TE	1 / 8
550100300SI	DN 20 (M)	300 mbar	-	185,89 €	TE	1 / 8
550117300SI	DN 25 (F)	300 mbar	-	246,91 €	TE	1 / 8
550113450SI	DN 15 (F)	450 mbar	-	174,59 €	TE	1 / 8
550115450SI	DN 20 (F)	450 mbar	-	191,54 €	TE	1 / 8
550100450SI	DN 20 (M)	450 mbar	-	185,89 €	TE	1 / 8
550117450SI	DN 25 (F)	450 mbar	-	246,91 €	TE	1 / 8
550113600SI	DN 15 (F)	600 mbar	-	174,59 €	TE	1 / 8
550115600SI	DN 20 (F)	600 mbar	-	191,54 €	TE	1 / 8
550100600SI	DN 20 (M)	600 mbar	-	185,89 €	TE	1 / 8
550117600SI	DN 25 (F)	600 mbar	-	246,91 €	TE	1 / 8
550113150	DN 15 (F)	150 mbar	✓	184,76 €	TE	1 / 8
550115150	DN 20 (F)	150 mbar	✓	201,71 €	TE	1 / 8
550100150	DN 20 (M)	150 mbar	✓	196,06 €	TE	1 / 8
550117150	DN 25 (F)	150 mbar	✓	245,78 €	TE	1 / 8
550113300	DN 15 (F)	300 mbar	✓	184,76 €	TE	1 / 8
550115300	DN 20 (F)	300 mbar	✓	201,71 €	TE	1 / 8
550100300	DN 20 (M)	300 mbar	✓	196,06 €	TE	1 / 8
550117300	DN 25 (F)	300 mbar	✓	245,78 €	TE	1 / 8
550113450	DN 15 (F)	450 mbar	✓	184,76 €	TE	1 / 8
550115450	DN 20 (F)	450 mbar	✓	201,71 €	TE	1 / 8
550100450	DN 20 (M)	450 mbar	✓	196,06 €	TE	1 / 8
550117450	DN 25 (F)	450 mbar	✓	245,78 €	TE	1 / 8
550113600	DN 15 (F)	600 mbar	✓	184,76 €	TE	1 / 8
550115600	DN 20 (F)	600 mbar	✓	201,71 €	TE	1 / 8
550100600	DN 20 (M)	600 mbar	✓	196,06 €	TE	1 / 8
550117600	DN 25 (F)	600 mbar	✓	245,78 €	TE	1 / 8

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AEQF 11



- **Coibentazione termica per regolatore di pressione differenziale EQUIFLUID.**
- *Thermal insulation for differential pressure control valve EQUIFLUID.*
- **Isolation thermique pour le régulateur de pression différentielle EQUIFLUID.**
- *Wärmedämmung für Differenzdruckregler EQUIFLUID.*
- **Aislamiento térmico para regulador de presión diferencial EQUIFLUID.**

Code	Size	Price	Class	Packaging
550150	1/2"	9,71 €	TE	1
550149	3/4"	9,71 €	TE	1
550151	1"	9,71 €	TE	1

AEQF 01

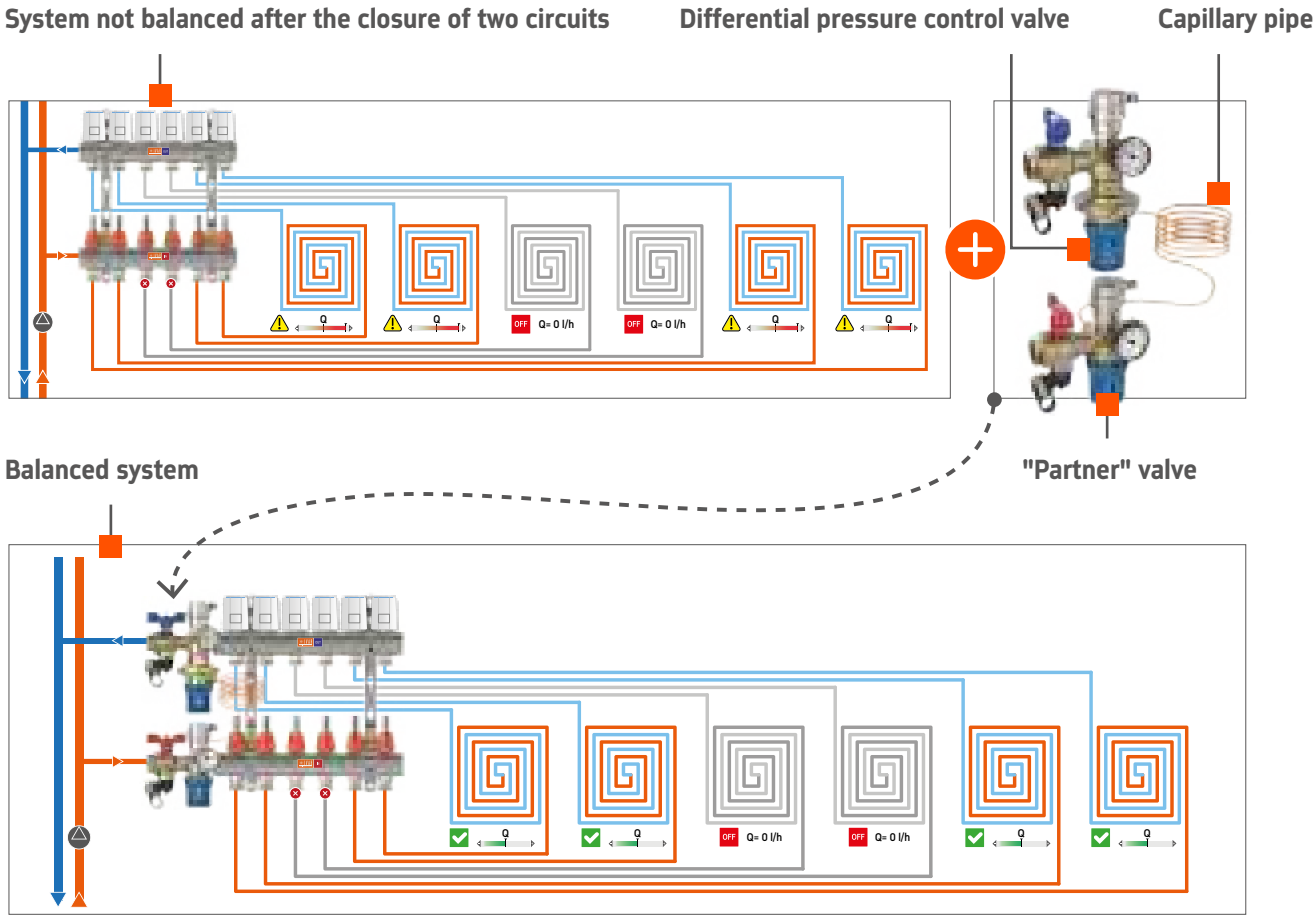


- **Capillare di ricambio per regolatore di pressione differenziale EQUIFLUID.**
- *Spare capillary pipe for differential pressure control valve EQUIFLUID.*
- **Capillaire de rechange pour le régulateur de pression différentielle EQUIFLUID.**
- *Ersatzkapillarrohr für Differenzdruckregler EQUIFLUID.*
- **Tubo capilar de recambio para regulador de presión diferencial EQUIFLUID.**

Code	Size	Price	Class	Packaging
550119	D.3x0,5	36,07 €	TE	1 / 32

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The **new dynamic balancing unit** for IVAR manifolds adds further balancing possibilities to our manifolds in a practical and compact manner. It is an IVAR **EQUIFLUID valve (differential pressure control valve) designed to be installed directly on the manifold** and to guarantee its constant differential pressure, regardless of the conditions of the rest of the system. **The component has been designed to incorporate all accessories ordinarily present on the manifold of a radiant system: ball-type shut-off valve, filling unit, flow and return temperature gauges and automatic bleed valves both on the flow and return**. Dynamic balancing on the manifold keeps the flow rate in the circuits closer to that envisaged in the design phase and subsequent system calibration. This makes it possible to maintain control over the speed of the water in the circuits and make the best use of the heat energy.



PLUS

- Greater energy savings.
- Reduced noise, by keeping the speed of the water in the circuits under control at all times.
- Fast, simple calibration.
- Simplified installation, all accessories incorporated in a single component.
- Ultra-compact solution: the size of the manifold housing does not need to be increased.

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GBC 01



- **Gruppo di bilanciamento per collettori composto da regolatore di pressione differenziale EQUIFLUID, valvola "partner", capillare, valvole di intercettazione a sfera, valvole di sfiato automatiche e rubinetti di carico/scarico.**
- *Balancing unit for manifolds consisting of EQUIFLUID differential pressure control valve, "partner" valve, capillary pipe, ball isolation valves, automatic air vent valves and fill/drain valves.*
- **Group d'équilibrage pour collecteurs composé d'un régulateur de pression différentielle EQUIFLUID, d'une vanne «partenaire», d'un capillaire, de vannes d'arrêt à bille, de purgeurs d'air automatiques et de robinets de remplissage/vidange.**
- *Abgleicheinheit für Verteiler bestehend aus Differenzdruckregler EQUIFLUID, Partner-Ventil, Kapillarrohr, Kugelabsperrventilen, automatischen Entlüftungsventilen und Füll-/Entleerungsventilen.*
- **Unidad de equilibrado para colectores compuesta por regulador de presión diferencial EQUIFLUID, válvula "partner", capilar, válvulas de bola de cierre, válvulas automáticas de purga de aire y válvulas de llenado/drenaje.**

Code	Size	Range	Price	Class	Packaging
550170	1" M x 1" M	50 - 300 mbar	474,60 €	TE	1
550171	1" M x 1" M	250 - 600 mbar	474,60 €	TE	1

GBC 05



- **Gruppo di bilanciamento per collettori composto da regolatore di pressione differenziale EQUIFLUID a taratura fissa, valvola "partner", capillare, valvole di intercettazione a sfera, valvole di sfiato automatiche e rubinetti di carico/scarico.**
- *Balancing unit for manifolds consisting of EQUIFLUID differential pressure control valve with fixed setting, "partner" valve, capillary pipe, ball isolation valves, automatic air vent valves and fill/drain valves.*
- **Group d'équilibrage pour collecteurs composé d'un régulateur de pression différentielle EQUIFLUID à étalonnage fixe, d'une vanne «partenaire», d'un capillaire, de vannes d'arrêt à bille, de purgeurs d'air automatiques et de robinets de remplissage/vidange.**
- *Abgleicheinheit für Verteiler bestehend aus Differenzdruckregler EQUIFLUID mit fester Eichung, Partner-Ventil, Kapillarrohr, Kugelabsperrventilen, automatischen Entlüftungsventilen und Füll-/Entleerungsventilen.*
- **Unidad de equilibrado para colectores compuesta por regulador de presión diferencial EQUIFLUID a valor fijo, válvula "partner", capilar, válvulas de bola de cierre, válvulas automáticas de purga de aire y válvulas de llenado/drenaje.**

Code	Size	Range	Price	Class	Packaging
550170100	1" M x 1" M	100 mbar	452,00 €	TE	1
550170200	1" M x 1" M	200 mbar	452,00 €	TE	1
550170300	1" M x 1" M	300 mbar	452,00 €	TE	1

AGBC 11



- **Coibentazione termica per gruppo di bilanciamento per collettori.**
- *Thermal insulation for balancing unit for manifolds.*
- **Isolation thermique pour group d'équilibrage pour collecteurs.**
- *Wärmedämmung für Abgleicheinheit für Verteiler.*
- **Aislamiento térmico para unidad de equilibrado para colectores.**

Code	Price	Class	Packaging
506184	96,06 €	NL	1

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DPCV XL



- **Regolatore di pressione differenziale per elevate portate.**
- *Differential pressure control valve for high flow capacity.*
- **Régulateur de pression différentielle pour débit élevé.**
- *Differenzdruckregler für erhöhte Durchfluss.*
- **Regulador de presión diferencial para caudales elevados.**

Code	Size	Range	Isolation / Metering	Price	Class	Packaging
550131	DN 65	200-1000 mbar	-	2.160,90 €	TH	1
550132	DN 80	200-1000 mbar	-	2.367,14 €	TH	1
550133	DN 100	200-1000 mbar	-	2.634,02 €	TH	1
550134	DN 125	200-1000 mbar	-	3.906,77 €	TH	1
550135	DN 150	200-1000 mbar	-	6.164,91 €	TH	1
550136	DN 65	800-1600 mbar	-	2.220,37 €	TH	1
550137	DN 80	800-1600 mbar	-	2.469,78 €	TH	1
550138	DN 100	800-1600 mbar	-	2.736,66 €	TH	1
550139	DN 65	200-1000 mbar	✓	2.319,49 €	TH	1
550140	DN 80	200-1000 mbar	✓	2.531,38 €	TH	1
550141	DN 100	200-1000 mbar	✓	2.798,25 €	TH	1
550142	DN 125	200-1000 mbar	✓	4.214,70 €	TH	1
550143	DN 150	200-1000 mbar	✓	6.472,83 €	TH	1
550144	DN 65	800-1600 mbar	✓	2.378,97 €	TH	1
550145	DN 80	800-1600 mbar	✓	2.634,02 €	TH	1
550146	DN 100	800-1600 mbar	✓	2.900,95 €	TH	1

KEKO 01



- **Gruppo di connessione a ramo di alta pressione, completo di presa piezometrica.**
- *High pressure branch connection unit, complete with piezometric socket.*
- **Unité de raccordement au branchement de haute pression, complète avec poignée piézométrique.**
- *Hochdruck-Anschlussstück, komplett mit piezometrischem Griff.*
- **Unidad de conexión de derivación de alta presión, con empuñadura piezométrica.**

Code	Size	Length	Price	Class	Packaging
509134	1/4" M	2 m	55,90 €	TH	1

KEKO 03

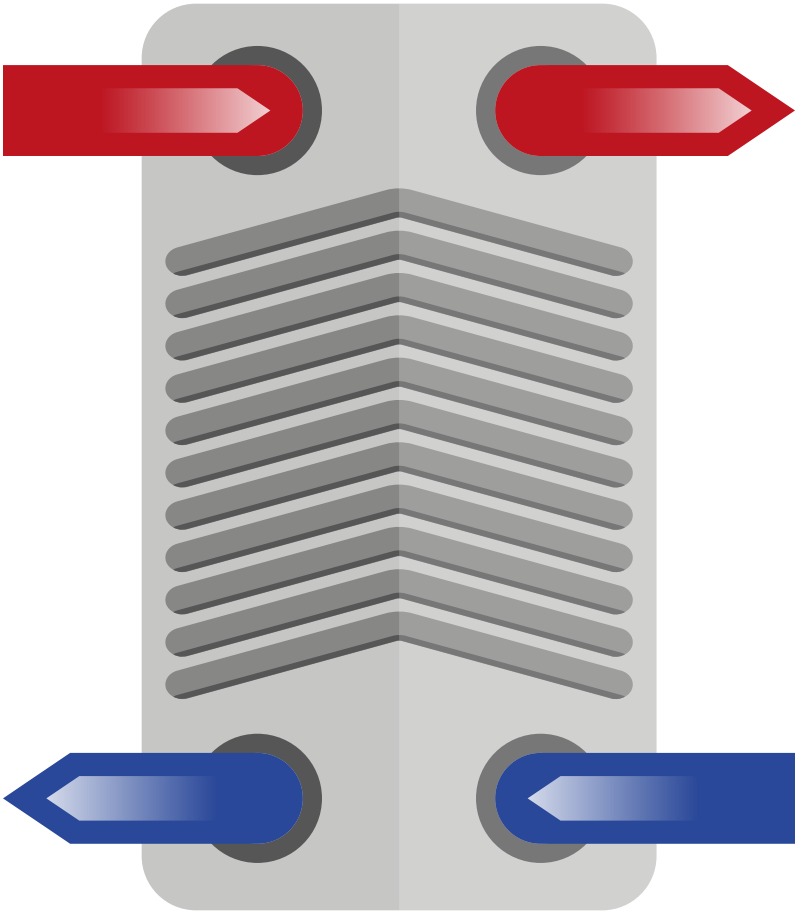


- **Gruppo di connessione a ramo di alta pressione.**
- *High pressure branch connection unit.*
- **Unité de raccordement au branchement de haute pression.**
- *Hochdruck-Anschlussstück.*
- **Unidad de conexión de derivación de alta presión.**

Code	Size	Length	Price	Class	Packaging
509142	1/4" M	2 m	28,63 €	TH	1

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SATELLITE MODULES



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Focus tecnici

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Profundizaciónes técnicas



IVAR•SAT - Satelliti di utenza con contabilizzazione
IVAR•SAT - Satellite modules with metering devices
IVAR•SAT - Satellites d'application avec comptabilisation
IVAR•SAT - Satellitenmodule mit Kostenabrechnung
IVAR•SAT - Modulos satélite con contabilización
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ESAT•C - MSAT•C - Satelliti di utenza compatti
ESAT•C - MSAT•C - Compact satellite modules
ESAT•C - MSAT•C - Satellites d'application compacts
ESAT•C - MSAT•C - Kompakte Satellitenmodule
ESAT•C - MSAT•C - Modulos satélite compactos
398



SAP - SAP•C - Produttori istantanei di acqua calda sanitaria
SAP - SAP•C - Fresh water stations
SAP et SAP-C - Modules hydrauliques pour chauffage et ECS
SAP - SAP•C - Frischwasserstationen
SAP - SAP•C - Productores instantáneos de agua caliente sanitaria
400

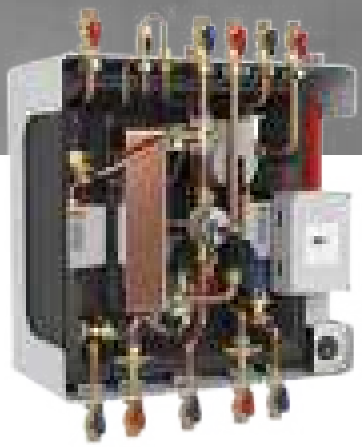


IVAR E•SAT

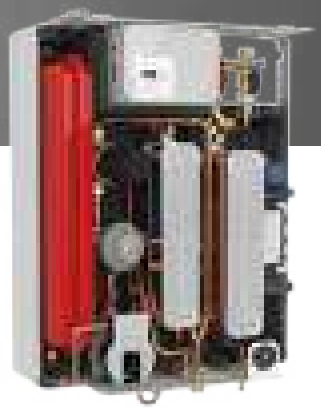
Satellite modules with advanced electronic control

Satellite modules are essential to modern centralised heating and cooling systems. Through configurations involving one or more heat exchangers, they function as a connection point between the centralised distribution network and the heating and/or cooling system of each housing unit. Furthermore, they can also take care of domestic hot water production on the secondary side.

IVAR HC E•SAT DUAL



IVAR E•SAT DUAL



IVAR E•SAT MONO





Request
THE CATALOGUE

The breadth of the IVAR satellite range demonstrates the company's ongoing commitment to sustainable and efficient solutions, in order to offer an advanced and reliable option to customers' thermal needs

IVAR•SAT

IvarSAT is the solution for direct metering of heat and domestic hot water in central heating systems without centralised production of domestic hot water (DHW): in fact, thanks to IvarSAT the production of DHW takes place instantly and is given priority at the level of the individual housing unit. IvarSAT is available in three families: the "H" family with direct delivery, suitable for high temperature heating systems; the "LE" family equipped with mixing valve and booster pump, suitable for radiant systems, and the "HLE" family, which integrates two separate deliveries, one direct without booster and one mixed with booster. Domestic hot water temperature is controlled by a thermostatic anti-scald mixer (max 50 °C). For the "1" models there is the provision for a disconnect upstream of the mixer without limitation of the delivery temperature. IvarSAT is also available with a built-in circulation pump ("R" models). The unit also includes a heat meter, a domestic cold-water meter and heating management devices such as thermostats and electrothermal heads. To meet the needs of construction sites, IvarSAT can also be supplied as an installation template with functional components provided separately.

IVAR-SAT H
Heating power (*): approx. 10 kW
Domestic hot water output (**): approx. 32 kW - production of approx. 12 l/min of domestic hot water at 48°C with mains input at 10°C

(*) temperature difference = 10°C and pressure differential at the ends of the module = 200 mbar
(**) pressure differential at module ends = 150 mbar and boiler temperature = 60°C

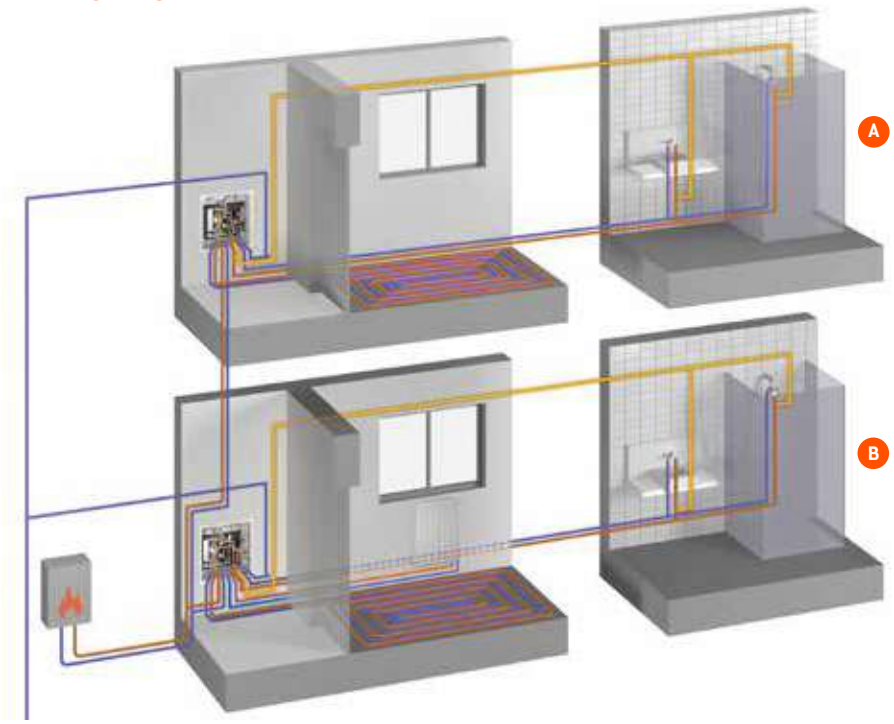
IVAR-SAT LE
Heating power (*): approx. 7 kW
Domestic hot water output (**): approx. 32 kW - production of approx. 12 l/min of domestic hot water at 48°C with mains input at 10°C

(*) temperature difference = 8°C and WILO4 circulator
(**) boiler temperature = 60°C

IVAR-SAT HLE
Heating power (*): approx. 7 kW (low temperature part)
Heating power (*): approx. 5 kW (high temperature part)
Domestic hot water output (***): approx. 32 kW - production of approx. 12 l/min of domestic hot water at 48°C with mains input at 10°C

(*) temperature difference = 8°C and WILO4 circulator
(*) temperature difference = 10°C and pressure differential at the ends of the module = 200 mbar
(**) boiler temperature = 60°C

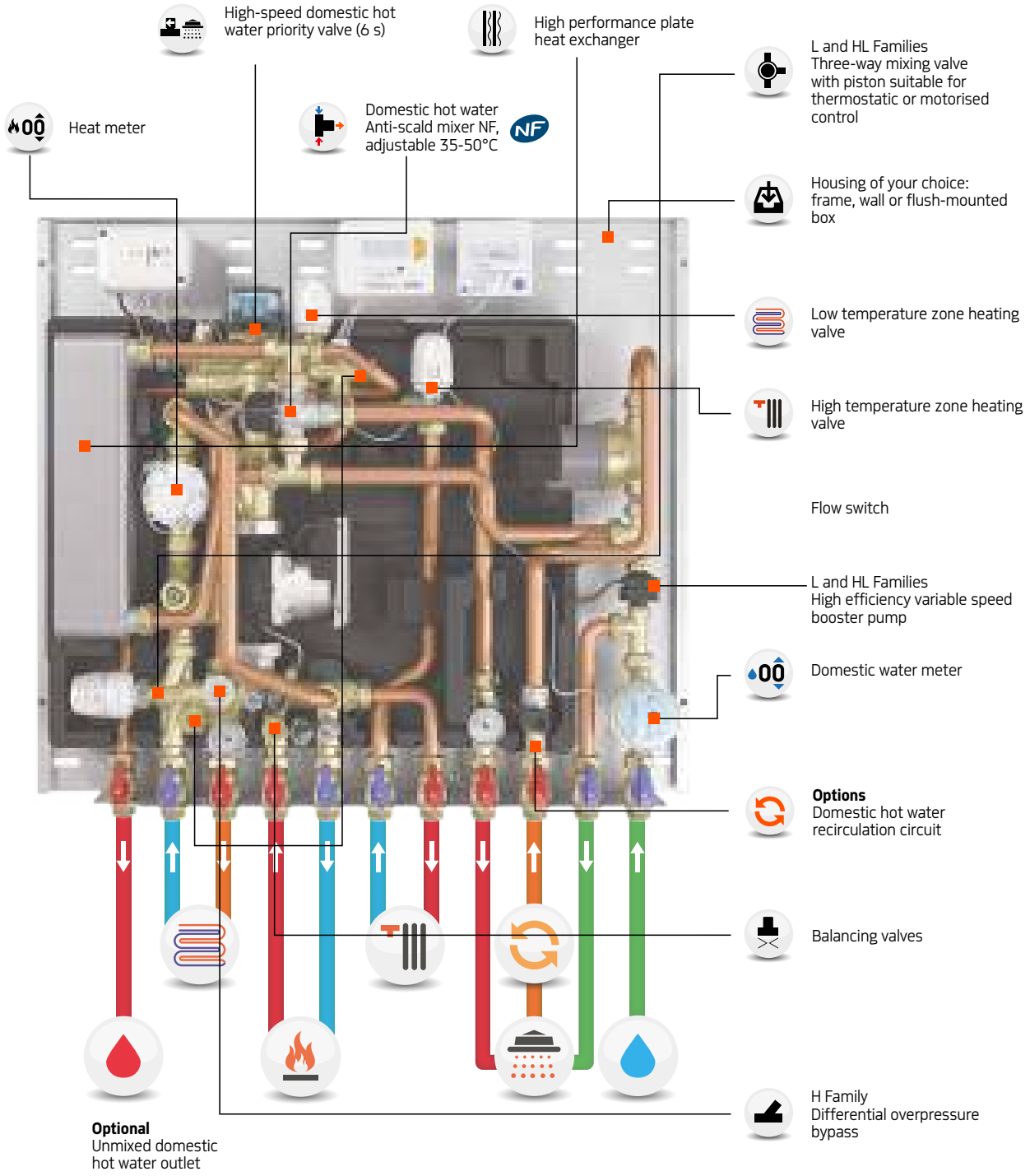
APPLICATION EXAMPLE



IVAR•SAT LRE (unit A) with domestic cold water inlet, domestic cold water outlet, recirculation inlet, domestic hot water outlet, boiler return, boiler delivery, low temperature heating delivery, low temperature heating return.

IVAR•SAT HLRE (unit B) with domestic cold water inlet, domestic cold water outlet, recirculation inlet, domestic hot water outlet, high temperature heating delivery, high temperature heating return, boiler return, boiler delivery, low temperature heating delivery, low temperature heating return.

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PLUS

- Available in the following versions: high temperature (IVARSAT H), low temperature (IVARSAT L/LE), combined (IVARSAT HL/HLE)
- Can be equipped with domestic hot water recirculation fittings
- Flush- or wall-mounted installation
- Electronic management of domestic hot water priority
- Ideal DHW delivery temperature control via thermostatic mixer

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IVARSAT-HLE



ErP

- **Satellite di utenza per riscaldamento misto alta/bassa temperatura e produzione di acqua calda sanitaria miscelata con pompa elettronica a velocità variabile.**
- *Satellite module for hybrid high-/low-temperature heating and domestic hot water preparation with variable speed electronic pump.*
- **Satellite d'application pour le chauffage mixte haute/basse température et production d'eau chaude sanitaire avec pompe électronique à vitesse variable.**
- *Satellitenmodul für gemischtes Heizen mit hoher/niedriger Temperatur und Trinkwarmwasservorbereitung mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Modulo satélite usuario para calefacción mixta de alta/baja temperatura y producción de agua caliente sanitaria con bomba electrónica de velocidad variable.**

Code	Heat unit	Domestic water units	Additional units	Price	Class	Packaging
506699HLE	HIGH T. + LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX		2.775,98 €	UE	1
506699HLE1	HIGH T. + LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	HOT	2.826,88 €	UE	1
506699HLRE	HIGH T. + LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	RECIRCULATION	3.330,45 €	UE	1
506699HLRE1	HIGH T. + LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	HOT+RECIRCULATION	3.381,33 €	UE	1

IVARSAT-HL



- **Satellite di utenza per riscaldamento misto alta/bassa temperatura e produzione di acqua calda sanitaria miscelata con pompa standard a 3 velocità.**
- *Satellite module for hybrid high-/low-temperature heating and domestic hot water preparation with 3-speed standard pump.*
- **Satellite d'application pour le chauffage mixte haute/basse température et production d'eau chaude sanitaire avec pompe standard à 3 vitesses.**
- *Satellitenmodul für gemischtes Heizen mit hoher/niedriger Temperatur und Trinkwarmwasservorbereitung mit Standardpumpe mit 3 Geschwindigkeiten.*
- **Modulo satélite usuario para calefacción mixta de alta/baja temperatura y producción de agua caliente sanitaria con bomba estándar de 3 velocidades.**

Code	Heat unit	Domestic water units	Additional units	Price	Class	Packaging
506699HL	HIGH T. + LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX		2.536,56 €	UE	1
506699HL1	HIGH T. + LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	HOT	2.587,44 €	UE	1
506699HLR	HIGH T. + LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	RECIRCULATION	3.091,01 €	UE	1
506699HLR1	HIGH T. + LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	HOT+RECIRCULATION	3.141,87 €	UE	1



- 200190 >> p. 204,322,395,493



- 200294 >> p. 395



- CBL 02 >> p. 396



- >> p. 494



- >> p. 496



- T 5011 U >>p. 252,321,395



- RV 01 >> p. 239,243,252,321,359,395



- TE 3040 >> p. 220,360,396,467,478



- TE 3050 M >>p. 220,360,396,467,478

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For the supply of modules in separate components (template + functional blocks) please refer to the following tables.

IVARSAT-HL/HLE Template



- **Dima per satellite di utenza per riscaldamento misto alta/bassa temperatura e produzione di acqua calda sanitaria.**
- *Template for satellite module for hybrid high-/low-temperature heating and domestic hot water preparation.*
- **Gabarit pour satellite d'application pour le chauffage mixte haute/basse température et production d'eau chaude sanitaire.**
- *Schablone für Satellitenmodul für gemischtes Heizen mit hoher/niedriger Temperatur und Trinkwarmwasservorbereitung.*
- **Plantilla para modulo satélite usuario para calefacción mixta de alta/baja temperatura y producción de agua caliente sanitaria.**

Code	Additional units	Price	Class	Packaging
506698HL		371,84 €	UE	1
506698HL1	HOT	375,68 €	UE	1
506698HLR	RECIRCULATION	375,68 €	UE	1
506698HLR1	HOT+RECIRCULATION	400,40 €	UE	1

IVARSAT-HLE Complementary module



ErP

- **Modulo complementare per satellite di utenza per riscaldamento misto alta/bassa temperatura e produzione di acqua calda sanitaria con pompa elettronica a velocità variabile.**
- *Complementary module for satellite module for hybrid high-/low-temperature heating and domestic hot water preparation with variable speed electronic pump.*
- **Module complémentaire pour satellite d'application pour le chauffage mixte haute/basse température et production d'eau chaude sanitaire avec pompe électronique à vitesse variable.**
- *Ergänzungsmodul für Satellitenmodul für gemischtes Heizen mit hoher/niedriger Temperatur und Trinkwarmwasservorbereitung mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo complementario para modulo satélite usuario para calefacción mixta de alta/baja temperatura y producción de agua caliente sanitaria con bomba electrónica de velocidad variable.**

Code	Pump	Additional units	Price	Class	Packaging
506697HLE	WILO4F		2.326,91 €	UE	1
506697HLE1	WILO4F	HOT	2.359,88 €	UE	1
506697HLRE	WILO4F	RECIRCULATION	2.863,45 €	UE	1
506697HLRE1	WILO4F	HOT+RECIRCULATION	2.896,43 €	UE	1

IVARSAT-HL Complementary module



ErP

- **Modulo complementare per satellite di utenza per riscaldamento misto alta/bassa temperatura e produzione di acqua calda sanitaria con pompa standard a 3 velocità.**
- *Complementary module for satellite module for hybrid high-/low-temperature heating and domestic hot water preparation with 3-speed standard pump.*
- **Module complémentaire pour satellite d'application pour le chauffage mixte haute/basse température et production d'eau chaude sanitaire avec pompe standard à 3 vitesses.**
- *Ergänzungsmodul für Satellitenmodul für gemischtes Heizen mit hoher/niedriger Temperatur und Trinkwarmwasservorbereitung mit Standardpumpe mit 3 Geschwindigkeiten.*
- **Módulo complementario para Modulo satélite usuario para calefacción mixta de alta/baja temperatura y producción de agua caliente sanitaria con bomba estándar de 3 velocidades.**

Code	Pump	Additional units	Price	Class	Packaging
506697HL	WILO3F		2.087,48 €	UE	1
506697HL1	WILO3F	HOT	2.120,45 €	UE	1
506697HLR	WILO3F	RECIRCULATION	2.491,64 €	UE	1
506697HLR1	WILO3F	HOT+RECIRCULATION	2.524,62 €	UE	1

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IVARSAT-LE



- **Satellite di utenza per riscaldamento a bassa temperatura e produzione di acqua calda sanitaria miscelata con pompa elettronica a velocità variabile.**
- *Satellite module for low-temperature heating and domestic hot water preparation with variable speed electronic pump.*
- **Satellite d'application pour le chauffage à basse température et production d'eau chaude sanitaire avec pompe électronique à vitesse variable.**
- *Satellitenmodul für Heizen mit niedriger Temperatur und Trinkwarmwasservorbereitung mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Modulo satélite para calefacción de baja temperatura y producción de agua caliente sanitaria con bomba electrónica de velocidad variable.**

Code	Heat unit	Domestic water units	Additional units	Price	Class	Packaging
506699LE	LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX		2.620,47 €	UE	1
506699LE1	LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	HOT	2.671,34 €	UE	1
506699LRE	LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	RECIRCULATION	3.174,90 €	UE	1
506699LRE1	LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	HOT+RECIRCULATION	3.225,80 €	UE	1

IVARSAT-L



- **Satellite di utenza per riscaldamento a bassa temperatura e produzione di acqua calda sanitaria miscelata con pompa standard a 3 velocità.**
- *Satellite module for low-temperature heating and domestic hot water preparation with 3-speed standard pump.*
- **Satellite d'application pour le chauffage à basse température et production d'eau chaude sanitaire avec pompe standard à 3 vitesses.**
- *Satellitenmodul für Heizen mit niedriger Temperatur und Trinkwarmwasservorbereitung mit Standardpumpe mit 3 Geschwindigkeiten.*
- **Modulo satélite para calefacción de baja temperatura y producción de agua caliente sanitaria con bomba estándar de 3 velocidades.**

Code	Heat unit	Domestic water units	Additional units	Price	Class	Packaging
506699L	LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX		2.381,03 €	UE	1
506699L1	LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	HOT	2.431,91 €	UE	1
506699LR	LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	RECIRCULATION	2.935,48 €	UE	1
506699LR1	LOW T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	HOT+RECIRCULATION	2.986,38 €	UE	1


• 200090 >> p. 204,322,395,493


• 200194 >> p. 395


• CBL 02 >> p. 396


• >> p. 494


• >> p. 496


• T 5011 U >>p. 252,321,395


• RV 01 >> p. 239,243,252,321,359,395


• TE 3040 >> p. 220,360,396,467,478


• TE 3050 M >>p. 220,360,396,467,478

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For the supply of modules in separate components (template + functional blocks) please refer to the following tables.

IVARSAT-L/LE Template



- **Dima per satellite di utenza per riscaldamento a bassa temperatura e produzione di acqua calda sanitaria.**
- *Template for satellite module for low-temperature heating and domestic hot water preparation.*
- **Gabarit pour satellite d'application pour le chauffage à basse température et production d'eau chaude sanitaire.**
- *Schablone für Satellitenmodul für Heizen mit niedriger Temperatur und Trinkwarmwasservorbereitung.*
- **Plantilla para modulo satélite para calefacción de baja temperatura y producción de agua caliente sanitaria.**

Code	Additional units	Price	Class	Packaging
506698L		324,63 €	UE	1
506698L1	HOT	338,92 €	UE	1
506698LR	RECIRCULATION	338,92 €	UE	1
506698LR1	HOT+RECIRCULATION	353,20 €	UE	1

IVARSAT-LE Complementary module



ErP

- **Modulo complementare per satellite di utenza per riscaldamento a bassa temperatura e produzione di acqua calda sanitaria con pompa elettronica a velocità variabile.**
- *Complementary module for satellite module for low-temperature heating and domestic hot water preparation with variable speed electronic pump.*
- **Module complémentaire pour satellite d'application pour le chauffage à basse température et production d'eau chaude sanitaire avec pompe électronique à vitesse variable.**
- *Ergänzungsmodul für Satellitenmodul für Heizen mit niedriger Temperatur und Trinkwarmwasservorbereitung mit elektronischer Pumpe mit variabler Geschwindigkeit.*
- **Módulo complementario para modulo satélite para calefacción de baja temperatura y producción de agua caliente sanitaria con bomba electrónica de velocidad variable.**

Code	Pump	Additional units	Price	Class	Packaging
506697LE	WILO4F		2.216,38 €	UE	1
506697LE1	WILO4F	HOT	2.249,36 €	UE	1
506697LRE	WILO4F	RECIRCULATION	2.752,94 €	UE	1
506697LRE1	WILO4F	HOT+RECIRCULATION	2.785,90 €	UE	1

IVARSAT-L Complementary module



ErP

- **Modulo complementare per satellite di utenza per riscaldamento a bassa temperatura e produzione di acqua calda sanitaria con pompa standard a 3 velocità.**
- *Complementary module for satellite module for low-temperature heating and domestic hot water preparation with 3-speed standard pump.*
- **Module complémentaire pour satellite d'application pour le chauffage à basse température et production d'eau chaude sanitaire avec pompe standard à 3 vitesses.**
- *Ergänzungsmodul für Satellitenmodul für Heizen mit niedriger Temperatur und Trinkwarmwasservorbereitung mit Standardpumpe mit 3 Geschwindigkeiten.*
- **Módulo complementario para modulo satélite para calefacción de baja temperatura y producción de agua caliente sanitaria con bomba estándar de 3 velocidades.**

Code	Pump	Additional units	Price	Class	Packaging
506697L	WILO3F		1.976,95 €	UE	1
506697L1	WILO3F	HOT	2.009,92 €	UE	1
506697LR	WILO3F	RECIRCULATION	2.513,50 €	UE	1
506697LR1	WILO3F	HOT+RECIRCULATION	2.546,48 €	UE	1

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IVARSAT-H



- **Satellite di utenza per riscaldamento ad alta temperatura e produzione di acqua calda sanitaria miscelata.**
- *Satellite module for high-temperature heating and domestic hot water preparation.*
- **Satellite d'application pour le chauffage à haute température et production d'eau chaude sanitaire.**
- *Satellitenmodul für Heizen mit hoher Temperatur und Trinkwarmwasservorbereitung.*
- **Modulo satélite para calefacción a alta temperatura y producción de agua caliente sanitaria.**

Code	Heat unit	Domestic water units	Additional units	Price	Class	Packaging
506699H	HIGH T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX		1.850,39 €	UE	1
506699H1	HIGH T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	HOT	1.917,33 €	UE	1
506699HR	HIGH T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	RECIRCULATION	2.434,12 €	UE	1
506699HR1	HIGH T. (Qn 1,5 m³/h)	COLD (Qn 1,5 m³/h) + MIX	HOT+RECIRCULATION	2.471,77 €	UE	1



- 200090 >> p. 204,322,395,493



- 200094 >> p. 395



- CBL 02 >> p. 396



- >> p. 494



- >> p. 496



- T 5011 U >>p. 252,321,395



- RV 01 >> p. 239,243,252,321,359,395



- TE 3040 >> p. 220,360,396,467,478



- TE 3050 M >>p. 220,360,396,467,478



For the supply of modules in separate components (template + functional blocks) please refer to the following tables.

IVARSAT-H Template



- **Dima per satellite di utenza per riscaldamento ad alta temperatura e produzione di acqua calda sanitaria.**
- *Template for satellite module for high-temperature heating and domestic hot water preparation.*
- **Gabarit pour satellite d'application pour le chauffage à haute température et production d'eau chaude sanitaire.**
- *Schablone für Satellitenmodul für Heizen mit hoher Temperatur und Trinkwarmwasservorbereitung.*
- **Plantilla para modulo satélite para calefacción a alta temperatura y producción de agua caliente sanitaria.**

Code	Additional units	Price	Class	Packaging
506698H		300,70 €	UE	2
506698H1	HOT	322,62 €	UE	1
506698HR	RECIRCULATION	308,92 €	UE	1
506698HR1	HOT+RECIRCULATION	323,20 €	UE	1

IVARSAT-H Complementary module



- **Modulo complementare per satellite di utenza per riscaldamento ad alta temperatura e produzione di acqua calda sanitaria.**
- *Complementary module for satellite module for high-temperature heating and domestic hot water preparation.*
- **Module complémentaire pour satellite d'application pour le chauffage à haute température et production d'eau chaude sanitaire.**
- *Ergänzungsmodul für Satellitenmodul für Heizen mit hoher Temperatur und Trinkwarmwasservorbereitung.*
- **Módulo complementario para modulo satélite para calefacción a alta temperatura y producción de agua caliente sanitaria.**

Code	Additional units	Price	Class	Packaging
506697H		1.477,22 €	UE	1
506697H1	HOT	1.526,27 €	UE	1
506697HR	RECIRCULATION	2.043,06 €	UE	1
506697HR1	HOT+RECIRCULATION	2.062,83 €	UE	1

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AC 830



- **Cassetta murale ad incasso con altezza e profondità variabili per collettori e moduli MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.**
- *Wall fitted cabinet with variable height and depth for manifolds and MC / IVAR-SAT / MULTIMIX / MULTIMIX-C modules.*
- **Cassette murale encastrable avec hauteur et profondeur variables pour collecteurs et modules MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.**
- *Einbauwandkasten mit variabler Höhe und Tiefe für Verteiler und Module MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.*
- **Caja mural de empotrar de altura y profundidad variables para colectores y modulos MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.**

Code	Height	Width	Depth	Module	Price	Class	Packaging
200090	860-960 mm	700 mm	110-160 mm	MC 1/11/12/13/14 - MC4 series (1") - IVAR-SAT H/L/LE - 3-way Multimix/Multimix-C	342,76 €	NZ	1
200190	860-960 mm	900 mm	110-160 mm	MC2 series - IVAR-SAT HL/HLE	452,88 €	NZ	1

AC 830 P



- **Cassetta murale pensile per satelliti di utenza IvarSAT.**
- *Wall hanging cabinet for IvarSAT utility satellites.*
- **Caisse murale suspendue pour les satellites d'application IvarSAT.**
- *Hängewandkasten für Satellitenmodule IvarSAT.*
- **Caja mural colgante para los modulos satélites IvarSAT.**

Code	Height	Width	Depth	Module	Price	Class	Packaging
200094	722 mm	600 mm	150 mm	IVAR-SAT H	307,79 €	NZ	1
200194	785 mm	640 mm	150 mm	IVAR-SAT L/LE	355,44 €	NZ	1
200294	785 mm	750 mm	150 mm	IVAR-SAT HL/HLE	363,31 €	NZ	1

T 5011 U



- **Testa termostatica con comando incorporato e sensore remoto ad immersione.**
- *Thermostatic head with incorporated control and immersion remote sensor.*
- **Tête thermostatique avec commande incorporée et capteur à distance à immersion.**
- *Thermostat-Kopf mit eingebauter Steuerung und Eintauch-Fernfühler.*
- **Cabeza termostático con mando incorporado y sensor remoto de inmersión.**

Code	Size	Range	Length	Price	Class	Packaging
501175U	M30 x 1,5 - 1/2"	30-55 °C	1 m	54,57 €	AA	5 / 40

RV 01



- **Servomotore assiale. Compatibile con tutti i vitoni termostatici IVAR.**
- *Axial motor. Suitable for all IVAR thermostatic inserts.*
- **Servomoteur axial. Adapté pour tous les inserts thermostatiques IVAR.**
- *Axial-Stellantrieb. Geeignet für alle Thermostat-Reguliervorrichtungen IVAR.*
- **Servomotor axial. Adecuado para todos los tornillos termostáticos IVAR.**

Code	Size	Price	Class	Packaging
501381	M30 x 1,5 - 3-point regulation (230 V AC)	141,88 €	PC	1 / 100
501383	M30 x 1,5 - Proportional 0-10 V (24 V AC/DC)	164,60 €	PC	1 / 100



- **CLIMA•HUB - Regolatore elettronico per impianti di riscaldamento e raffrescamento >>p. 349**
- *CLIMA•HUB - Electronic controller for heating and cooling systems >>p. 349*
- **CLIMA•HUB - Régulateur électronique pour systèmes de chauffage et de refroidissement >>p. 349**
- *CLIMA•HUB - Elektronischer Regler für Heiz- und Kühlsysteme >>p. 349*
- **CLIMA•HUB - Regulador electrónico para sistemas de calefacción y refrigeración >>p. 349**

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TE 3040



- **Testa elettrotermica normalmente chiusa (2 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 50 mm (no EASY-RADIANT).**
- *Electrothermal head normally closed (2 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 50 mm (no EASY-RADIANT).*
- **Tête électrothermique normalement fermée (2 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 50 mm (non EASY-RADIANT).**
- *Elektrothermischer Stellantriebe stromlos-zu (2 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 50 mm (keine EASY-RADIANT).*
- **Cabeza electrotérmica normalmente cerrada (de 2 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 50 mm (no EASY-RADIANT).**

Code	Size	Price	Class	Packaging
501508	M30 x 1,5 ; ON / OFF (230 V AC)	36,60 €	AC	1 / 100
501524	M30 x 1,5 ; ON / OFF (24 V AC/DC)	36,60 €	AC	100

TE 3050 M



- **Testa elettrotermica normalmente chiusa con contatto di fine corsa (4 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 50 mm (no EASY-RADIANT).**
- *Electrothermal head normally closed with limit switch contact (4 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 50 mm (no EASY-RADIANT).*
- **Tête électrothermique normalement fermée avec contact de fin de course (4 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 50 mm (non EASY-RADIANT).**
- *Elektrothermischer Stellantriebe stromlos-zu mit Endschalterkontakt (4 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 50 mm (keine EASY-RADIANT).*
- **Cabeza electrotérmica normalmente cerrada con contacto de fin de carrera (de 4 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 50 mm (no EASY-RADIANT).**

Code	Size	Price	Class	Packaging
500808M	M30 x 1,5 ; ON / OFF (230 V AC)	43,43 €	AC	100
500028M	M30 x 1,5 ; ON / OFF (24 V AC/DC)	43,43 €	AC	1 / 100

CBL 02



- **Scheda multifunzione per moduli satellite IvarSAT.**
- *Multifunctional board for IvarSAT satellite modules.*
- **Fiche multifonctions pour les modules satellite IvarSAT.**
- *Multifunktionskarte für Satellitenmodule IvarSAT.*
- **Tarjeta multifunción para módulos satélite IvarSAT.**

Code	Size	Price	Class	Packaging
520119	230 V AC	86,08 €	VA	4 / 32

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TEST KIT H/B IVARSAT



- **Kit collaudo circuito di riscaldamento e caldaia per satelliti IvarSAT, completo di valvola di sfiato automatica e portagomma per il carico/scarico dell'impianto.**
- *Heating and boiler circuits test kit for IvarSAT satellites, complete of automatic air vent valve and connecting nozzle for system loading/unloading.*
- **Kit de contrôle du circuit de chauffage et chaudière pour les satellites IvarSAT, complété d'un purgeur d'air automatique et d'un porte-caoutchouc pour le remplissage/évacuation de l'installation.**
- *Bausatz Endprüfung Heiz- Kesselkreislauf für Satellitenmodul IvarSAT, komplett mit automatischem Auslassventil und Gummihalter zum Laden/Entladen der Anlage.*
- **Conjunto de prueba del circuito de calefacción y de la caldera para los modulos satélites IvarSAT, equipado con válvula de purga automática y portagoma para la carga/descarga de la instalación.**

Code	Price	Class	Packaging
520046	250,04 €	UE	1

TEST KIT DW IVARSAT



- **Kit collaudo circuito sanitario per satelliti IvarSAT, completo di valvola di sfiato automatica e portagomma per il carico/scarico dell'impianto.**
- *Domestic water circuit test kit for IvarSAT satellites, complete of automatic air vent valve and connecting nozzle for system loading/unloading.*
- **Kit de contrôle du circuite sanitaire pour les satellites IvarSAT, complété d'un purgeur d'air automatique et d'un porte-caoutchouc pour le remplissage/évacuation de l'installation.**
- *Bausatz Endprüfung Sanitärkreislauf für Satellitenmodul IvarSAT, komplett mit automatischem Auslassventil und Gummihalter zum Laden/Entladen der Anlage.*
- **Conjunto de prueba del circuito de agua sanitaria para los modulos satélites IvarSAT, equipado con válvula de purga automática y porta-goma para la carga/descarga de la instalación.**

Code	Price	Class	Packaging
520047	290,58 €	UE	1

KIT R IVARSAT



- **Kit di ricircolo per IVAR-SAT.**
- *Recirculation kit for IVAR-SAT.*
- **Kit de recirculation pour IVAR-SAT.**
- *Rückführung-Bausatz für IVAR-SAT.*
- **Kit de recirculación para IVAR-SAT.**

Code	Price	Class	Packaging
506409	586,46 €	UE	1

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ESAT•C - MSAT•C

The ESAT-C and MSAT-C modules are highly streamlined and simply built user heating interface units able to ensure the production of domestic hot water, upon request, while providing heating to individual residential units. The two systems have no domestic hot water or heat-metering devices, which can be installed together with the module by the installer as required. Their main feature is compactness and despite their small size ESAT-C and MSAT-C units are able to provide all the domestic hot water (DHW) for an individual residential user component. ESAT-C and MSAT-C differ in their domestic hot water priority devices: ESAT-C is equipped with a flow switch and motorised priority valve, while the MSAT-C is a purely mechanical system with an ultra-fast thermostatic priority sensor.

MSAT-C
Heating power (*): approx. 12 kW
Domestic hot water output (**): approx. 29 kW - production of approx. 11 l/min of domestic hot water at 48°C with mains input at 10°C

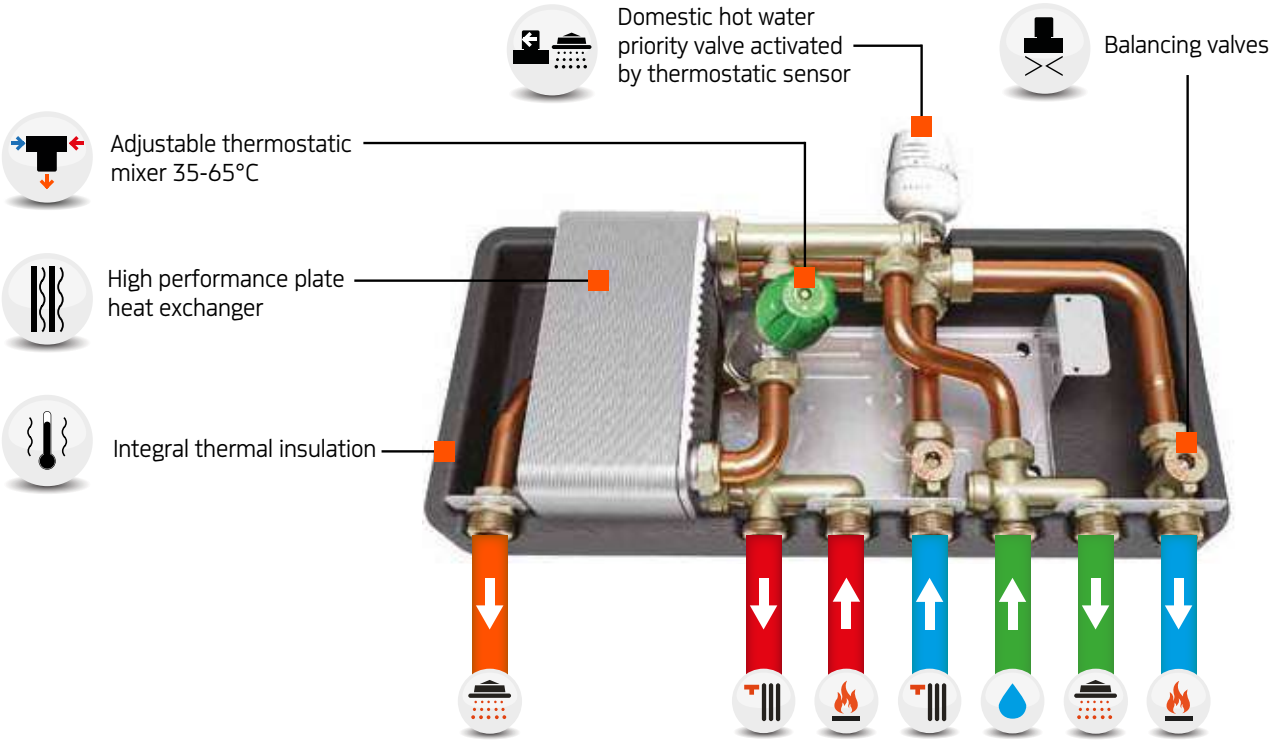
(*) temperature difference = 10°C and pressure differential at the ends of the module = 200 mbar
(**) pressure differential at module ends = 200 mbar and boiler temperature = 60°C

MSAT-C



- **Satellite di utenza per riscaldamento ad alta temperatura e produzione di acqua calda sanitaria (con valvola di precedenza sanitario con sensore termostatico).**
- *Satellite module for high-temperature heating and domestic hot water preparation (thermostatic priority valve)*
- **Satellite d'application pour le chauffage à haute température et production d'eau chaude sanitaire (valve de priorité, à contrôle thermostatique)**
- *Satellitenmodul für Heizen mit hoher Temperatur und Trinkwarmwasservorbereitung (Thermostat-Prioritätsventi)*
- **Modulo satélite para calefacción a alta temperatura y producción de agua caliente sanitaria (válvula de prioridad con control termostático)**

Code	Size	Price	Class	Packaging
506369	3/4" M	841,92 €	UE	1



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ESAT-C
Heating power (*): approx. 16 kW
Domestic hot water output (**): approx. 33 kW - production of approx. 12 l/min of domestic hot water at 48°C with mains input at 10°C

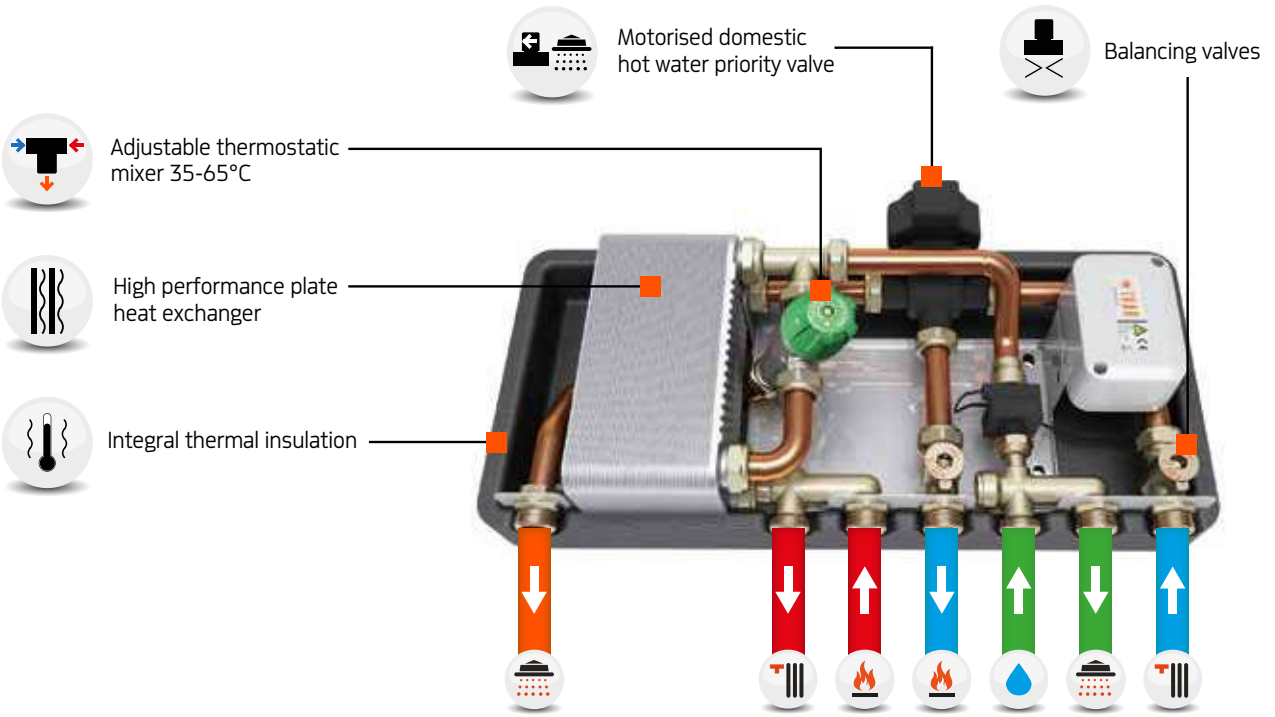
(*) temperature difference = 10°C and pressure differential at the ends of the module = 200 mbar
(**) pressure differential at module ends = 200 mbar and boiler temperature = 60°C

ESAT-C



- **Satellite di utenza per riscaldamento ad alta temperatura e produzione di acqua calda sanitaria (con valvola di precedenza sanitario motorizzata).**
- *Satellite module for high-temperature heating and domestic hot water preparation (motorized priority valve)*
- **Satellite d'application pour le chauffage à haute température et production d'eau chaude sanitaire (vanne de priorité motorisé)**
- *Satellitenmodul für Heizen mit hoher Temperatur und Trinkwarmwasservorbereitung (motorisierte Prioritätsventil)*
- **Modulo satélite para calefacción a alta temperatura y producción de agua caliente sanitaria (válvula de prioridad motorizada)**

Code	Size	Price	Class	Packaging
506703	3/4" M	841,92 €	UE	1

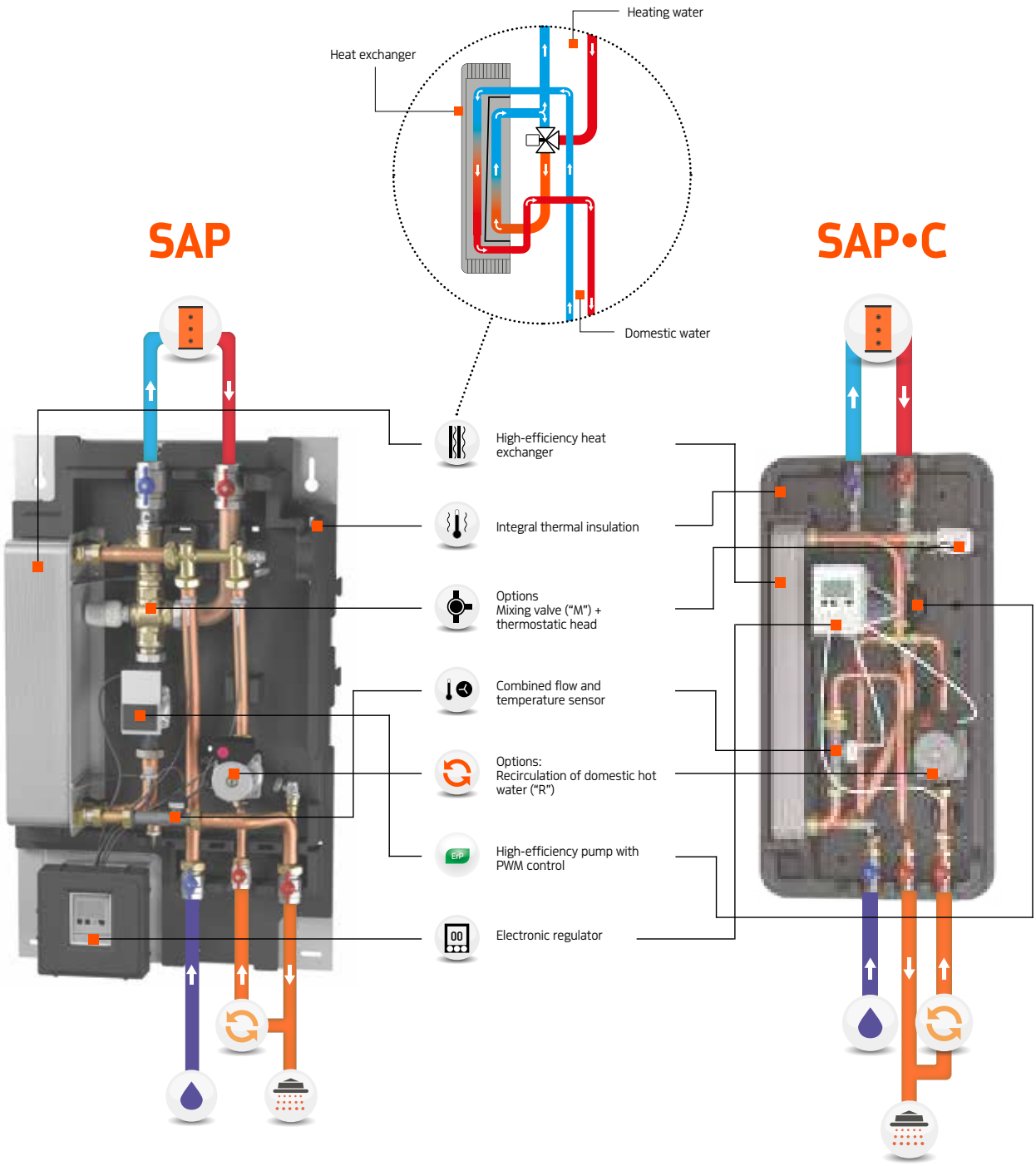


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SAP - SAP•C

The instantaneous heating of domestic hot water (DHW) is a refined alternative to heating in a storage tank that minimises the risk of proliferation of bacteria such as legionella and allows simple and total management of the water heater function. SAP and SAP-C are DHW instantaneous heating modules suitable for multi-family and apartment building utilities. SAP / SAP-C are connected to an inertial storage tank containing primary water heated by one or more generators. This water is sent to a high efficiency heat exchanger, which instantly transfers the heat to the domestic hot water on the secondary. The primary circulator is modulated by an electronic control unit according to the temperature read by the flow/temperature sensor, installed on the DHW outlet, compared to the set point set by the user. SAP and SAP-C are available in different sizes, in variants with or without a recirculation circuit, also with mixing valves and thermostatic heads on the primary side to limit the exchanger inlet temperature.
The product code refers to the maximum flow rate of domestic hot water in litres per minute that can be heated from 10°C to 45°C at a boiler temperature of 60°C.

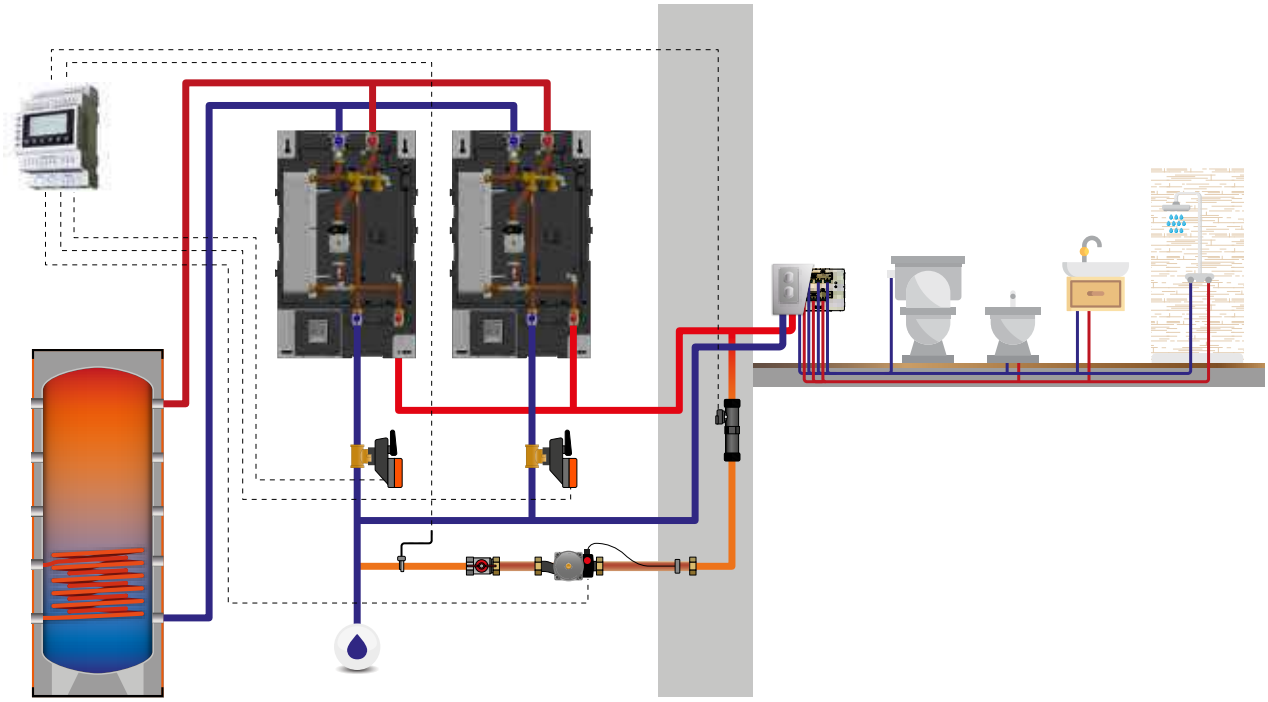
Attention. The application of the KIT MIX SAP C to a SAP-C module without mixing valve will convert it into a module with a smaller mixer. For example, applying the SAP C MIX KIT to a SAP-C-30E converts it into a SAP-C-25ME.



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Possibility of connection in series

For systems with very high or highly variable requirements, it is possible to connect several units in parallel and operate them in series. The master management system (control unit, VFS meter and domestic hot water solenoid valves) leaves each heater the task of adjusting its operating parameters and carries out the rotation of the starts, so that the first element of the cascade is not excessively stressed.



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SAP





1.020 × 640 × 275 mm

- **Produttore istantaneo di acqua calda sanitaria.**
- *Fresh water station.*
- **Producteur instantané d'eau chaude sanitaire.**
- *Frischwasserstation.*
- **Productor instantáneo de agua caliente sanitaria.**

Code	Domestic water units	Pump type	Erp	Included components	Price	Class	Packaging
SAP-30M	HOT 30 l/min	3-speed	-	Mixing valve	3.268,47 €	Z8	1
SAP-30MR	HOT 30 l/min	3-speed	-	Mixing valve - Recirculation	3.585,64 €	Z8	1
SAP-35	HOT 35 l/min	3-speed	-		3.024,33 €	Z8	1
SAP-35R	HOT 35 l/min	3-speed	-	Recirculation	3.341,50 €	Z8	1
SAP-40M	HOT 40 l/min	3-speed	-	Mixing valve	3.375,89 €	Z8	1
SAP-40MR	HOT 40 l/min	3-speed	-	Mixing valve - Recirculation	3.693,04 €	Z8	1
SAP-45	HOT 45 l/min	3-speed	-		3.051,31 €	Z8	1
SAP-45R	HOT 45 l/min	3-speed	-	Recirculation	3.368,47 €	Z8	1
SAP-50M	HOT 50 l/min	3-speed	-	Mixing valve	3.596,01 €	Z8	1
SAP-50MR	HOT 50 l/min	3-speed	-	Mixing valve - Recirculation	3.913,17 €	Z8	1
SAP-60	HOT 60 l/min	3-speed	-		3.367,07 €	Z8	1
SAP-60R	HOT 60 l/min	3-speed	-	Recirculation	3.684,24 €	Z8	1
SAP-70M	HOT 70 l/min	3-speed	-	Mixing valve	3.832,07 €	Z8	1
SAP-70MR	HOT 70 l/min	3-speed	-	Mixing valve - Recirculation	4.175,20 €	Z8	1
SAP-80	HOT 80 l/min	3-speed	-		3.603,13 €	Z8	1
SAP-80R	HOT 80 l/min	3-speed	-	Recirculation	3.946,27 €	Z8	1
SAP-90M	HOT 90 l/min	3-speed	-	Mixing valve	4.241,67 €	Z8	1
SAP-90MR	HOT 90 l/min	3-speed	-	Mixing valve - Recirculation	4.584,81 €	Z8	1
SAP-100	HOT 100 l/min	3-speed	-		4.012,73 €	Z8	1
SAP-100R	HOT 100 l/min	3-speed	-	Recirculation	4.355,87 €	Z8	1
SAP-30ME	HOT 30 l/min	Variable speed (PWM)	✓	Mixing valve	3.388,43 €	Z8	1
SAP-30MRE	HOT 30 l/min	Variable speed (PWM)	✓	Mixing valve - Recirculation	3.705,60 €	Z8	1
SAP-35E	HOT 35 l/min	Variable speed (PWM)	✓		3.144,29 €	Z8	1
SAP-35RE	HOT 35 l/min	Variable speed (PWM)	✓	Recirculation	3.461,46 €	Z8	1
SAP-40ME	HOT 40 l/min	Variable speed (PWM)	✓	Mixing valve	3.495,86 €	Z8	1
SAP-40MRE	HOT 40 l/min	Variable speed (PWM)	✓	Mixing valve - Recirculation	3.813,00 €	Z8	1
SAP-45E	HOT 45 l/min	Variable speed (PWM)	✓		3.171,28 €	Z8	1
SAP-45RE	HOT 45 l/min	Variable speed (PWM)	✓	Recirculation	3.488,45 €	Z8	1
SAP-50ME	HOT 50 l/min	Variable speed (PWM)	✓	Mixing valve	3.715,97 €	Z8	1
SAP-50MRE	HOT 50 l/min	Variable speed (PWM)	✓	Mixing valve - Recirculation	4.033,14 €	Z8	1
SAP-60E	HOT 60 l/min	Variable speed (PWM)	✓		3.487,03 €	Z8	1
SAP-60RE	HOT 60 l/min	Variable speed (PWM)	✓	Recirculation	3.804,20 €	Z8	1
SAP-70ME	HOT 70 l/min	Variable speed (PWM)	✓	Mixing valve	4.359,49 €	Z8	1
SAP-70MRE	HOT 70 l/min	Variable speed (PWM)	✓	Mixing valve - Recirculation	4.702,62 €	Z8	1
SAP-80E	HOT 80 l/min	Variable speed (PWM)	✓		4.130,57 €	Z8	1
SAP-80RE	HOT 80 l/min	Variable speed (PWM)	✓	Recirculation	4.473,70 €	Z8	1
SAP-90ME	HOT 90 l/min	Variable speed (PWM)	✓	Mixing valve	4.880,46 €	Z8	1
SAP-90MRE	HOT 90 l/min	Variable speed (PWM)	✓	Mixing valve - Recirculation	5.223,58 €	Z8	1
SAP-100E	HOT 100 l/min	Variable speed (PWM)	✓		4.652,56 €	Z8	1
SAP-100RE	HOT 100 l/min	Variable speed (PWM)	✓	Recirculation	4.995,70 €	Z8	1

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SAP-C



ErP

770 × 410 × 220 mm

- **Produttore istantaneo di acqua calda sanitaria compatto.**
- *Compact fresh water station.*
- **Producteur instantané d'eau chaude sanitaire compact.**
- *Kompakt-Frischwasserstation.*
- **Productor instantáneo de agua caliente sanitaria compacto.**

Code	Domestic water units	Pump type	Included components	Price	Class	Packaging
SAP-C-25ME	HOT 25 l/min	Variable speed (PWM)	Mixing valve	2.664,22 €	Z8	1
SAP-C-25MRE	HOT 25 l/min	Variable speed (PWM)	Mixing valve - Recirculation	2.981,40 €	Z8	1
SAP-C-30E	HOT 30 l/min	Variable speed (PWM)		2.575,63 €	Z8	1
SAP-C-30RE	HOT 30 l/min	Variable speed (PWM)	Recirculation	2.892,78 €	Z8	1
SAP-C-35ME	HOT 35 l/min	Variable speed (PWM)	Mixing valve	2.771,65 €	Z8	1
SAP-C-35MRE	HOT 35 l/min	Variable speed (PWM)	Mixing valve - Recirculation	3.088,82 €	Z8	1
SAP-C-40E	HOT 40 l/min	Variable speed (PWM)		2.683,04 €	Z8	1
SAP-C-40RE	HOT 40 l/min	Variable speed (PWM)	Recirculation	3.000,20 €	Z8	1

KIT R SAP



- **Kit di ricircolo per SAP.**
- *Recirculation kit for SAP.*
- **Kit de recirculation pour SAP.**
- *Rückführung-Bausatz für SAP.*
- **Kit de recirculación para SAP.**

Code	Module	Included components	Price	Class	Packaging
502305	SAP-##MR(E) / SAP-##R(E) ≤ 60 l/min	2-speed pump for sanitary applications	317,17 €	Z8	1
502304	SAP-##MR(E) / SAP-##R(E) > 60 l/min	2-speed pump for sanitary applications	343,14 €	Z8	1

KIT R SAP-C



- **Kit di ricircolo per SAP-C.**
- *Recirculation kit for SAP-C.*
- **Kit de recirculation pour SAP-C.**
- *Rückführung-Bausatz für SAP-C.*
- **Kit de recirculación para SAP-C.**

Code	Module	Included components	Price	Class	Packaging
501626	SAP-C-##MRE / SAP-C-##RE	2-speed pump for sanitary applications	309,36 €	Z8	5

KIT MIX SAP-C



- **Valvola miscelatrice termostatica per produttore istantaneo di acqua calda sanitaria compatto.**
- *Thermostatic mixing valve for compact fresh water station.*
- **Vanne mélangeuse thermostatique pour producteur instantané d'eau chaude sanitaire compact.**
- *Thermostat-Mischventil für Kompakt-Frischwasserstation.*
- **Válvula mezcladora termostática para productor instantáneo de agua caliente sanitaria compacto.**

Code	Size	Range	Length	Price	Class	Packaging
501625	1" - M30 x 1,5	20-60 °C	2 m	128,12 €	Z8	8

VFS



- **Tronchetto di misura per la gestione di produttori istantanei di acqua calda sanitaria in cascata.**
- *Measuring block for the management of fresh water stations in series control.*
- **Elément de mesure pour gérer des producteurs instantanés d'eau chaude sanitaire en cascade.**
- *Meßstutzen für die Steuerung der Frischwasserstationen in Kaskade.*
- **Elemento de medición para la gestión de los productores instantáneos de agua caliente sanitaria en cascada.**

Code	Size	Range	Price	Class	Packaging
78040	3/4" M x 1" F	2-40 l/min	358,59 €	Z8	1
78100	1" M x 1" F	5-100 l/min	306,18 €	Z8	1
78400	1"1/2 M x 1"1/2 F	20-400 l/min	649,95 €	Z8	1

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IKK01



- **Centralina elettronica per la gestione di produttori istantanei di acqua calda sanitaria in cascata.**
- *Electronic control unit for the management of fresh water stations in cascade control.*
- **Unité de contrôle électronique pour gérer des producteurs instantanés d'eau chaude sanitaire en cascade.**
- *Elektronische Steuereinheit für die Steuerung der Frischwasserstationen in Kaskade.*
- **Unidad de control electrónico para la gestión de los productores instantáneos de agua caliente sanitaria en cascada.**

Code	Size	Price	Class	Packaging
IKK01	Max 4 modules	1.022,34 €	Z8	

IKK02



- **Centralina elettronica per la gestione di produttori istantanei di acqua calda sanitaria in cascata, circuito di ricircolo e funzione anti-legionella. Sonda di temperatura a contatto PT 1000 inclusa.**
- *Electronic control unit for the management of fresh water stations in cascade control, sanitary recirculation circuit and Antilegionella function. PT 1000 temperature probe included.*
- **Unité de contrôle électronique pour gérer des producteurs instantanés d'eau chaude sanitaire en cascade, circuit de recirculation sanitaire et function anti-Légionelle. Sonde de température PT 1000 incluse.**
- *Elektronische Steuereinheit für die Steuerung der Frischwasserstationen in Kaskade, Brauchwasserrückführungskreislauf und Antilegionellen-Funktion. PT 1000 Temperaturfühler enthalten.*
- **Unidad de control electrónico para la gestión de los productores instantáneos de agua caliente sanitaria en cascada, circuito de recirculación de agua doméstica y función antilegionella. Sonda de temperatura PT 1000 incluida.**

Code	Size	Price	Class	Packaging
IKK02	Max 4 modules	1.054,69 €	Z8	1

IKK03



- **Centralina elettronica per la gestione di produttori istantanei di acqua calda sanitaria in cascata, circuito di ricircolo e funzione antilegionella. Sonda di temperatura a contatto PT 1000 e tronchetto di misura DN 50 (2-1000 l/min) inclusi.**
- *Electronic control unit for the management of fresh water stations in cascade control, sanitary recirculation circuit and Antilegionella function. PT 1000 temperature probe and measuring block DN 50 (2-1000 l/min) included.*
- **Unité de contrôle électronique pour gérer des producteurs instantanés d'eau chaude sanitaire en cascade, circuit de recirculation sanitaire et function anti-Légionelle. Sonde de température PT 1000 et elément de mesure DN 50 (2-1000 l/min) inclus.**
- *Elektronische Steuereinheit für die Steuerung der Frischwasserstationen in Kaskade, Brauchwasserrückführungskreislauf und Antilegionellen-Funktion. PT 1000 Temperaturfühler unf Meßstutzen DN 50 (2-1000 l/min) enthalten.*
- **Unidad de control electrónico para la gestión de los productores instantáneos de agua caliente sanitaria en cascada, circuito de recirculación de agua doméstica y función antilegionella. Sonda de temperatura PT 1000 y elemento de medición DN 50 (2-1000 l/min) incluidos.**

Code	Size	Price	Class	Packaging
IKK03	Max 9 modules	3.082,54 €	Z8	1

VS SAP 01



- **Valvola a sfera a 2 vie ad apertura rapida per applicazioni sanitarie.**
- *Quick-opening 2-way ball valve suitable to domestic water applications.*
- **Vanne à bille à 2 voies avec ouverture rapide pour des applications sanitaires.**
- *2-Wege Kugelventil mit Schnellöffnung für Sanitäranwendungen.*
- **Válvula de bola de 2 vías de apertura rápida para aplicaciones sanitarias.**

Code	Ways	Size	Price	Class	Packaging
IKR415D	2	G 1" (DN 15) - KVs 12	496,62 €	Z8	1

VS SAP 02



- **Motore per valvola a sfera a 2 vie ad apertura rapida per applicazioni sanitarie.**
- *Motor for quick-opening 2-way ball valve suitable to domestic water applications.*
- **Moteur pour vanne à bille à 2 voies avec ouverture rapide pour des applications sanitaires.**
- *Stellantrieb für 2-Wege Kugelventil mit Schnellöffnung für Sanitäranwendungen.*
- **Motor para válvula de bola de 2 vías de apertura rápida para aplicaciones sanitarias.**

Code	Size	Price	Class	Packaging
IKLRQ24A	24 V AC	788,91 €	Z8	1

IFWC3



- **Regolatore elettronico di ricambio per SAP con pompa standard a 3 velocità.**
- *Spare controller for SAP modules with 3-speed standard pump.*
- **Unité de contrôle de rechange pour modules SAP avec pompe standard à 3 vitesses.**
- *Ersatzregler für SAP-Module mit Standardpumpe mit 3 Geschwindigkeiten.*
- **Regulador de reposición para módulos SAP con bomba estándar de 3 velocidades.**

Code	Module	Price	Class	Packaging
43000	SAP-xx	430,79 €	Z6	1

PT 1000



- **Sonda di temperatura di ricambio con cavo in silicone.**
- *Spare temperature probe with silicone cable.*
- **Sonde de température de rechange avec câble en silicone.**
- *Ersatztemperaturfühler mit Kabel aus Silikon.*
- **Sonda de temperatura de repuesto con cable de silicona.**

Code	Type	Max operating temp.	Price	Class	Packaging
81215	Contact	180 °C	29,62 €	Z8	1

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SANITARY SYSTEMS



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Profundizaciónes técnicas



Collettori sanitari IS•BOX
Sanitary manifolds IS•BOX
Collecteurs sanitaires IS•BOX
Sanitär-Verteiler IS•BOX
Colectores sanitarios IS•BOX 408



Collettori componibili EASY•LOCK
Modular manifolds EASY•LOCK
Collecteurs à éléments EASY•LOCK
Einbauverteiler EASY•LOCK
Colectores componibles EASY•LOCK 414



Collettori componibili serie BASIC
Modular manifolds BASIC series
Collecteurs à éléments de la série BASIC
Einbauverteiler BASIC-Serie
Colectores componibles de la serie BASIC 423



Accessori e raccordi per collettori sanitari
Accessories and fittings for sanitary manifolds
Accessoires et raccords pour collecteurs sanitaires
Zubehör und Verbinder für Sanitärverteiler
Accesorios y racores para colectores sanitarios 426



RTV - valvola termostatica per il controllo della temperatura dei rami di ricircolo sanitario
RTV - thermostatic valve for temperature control of sanitary recirculation circuits
RTV - robinet thermostatique pour le contrôle de la température des circuits de recirculation sanitaire
RTV - Thermostatventil für die Temperaturregelung der Brauchwasserrückführungskreisläufe
RTV - válvula termostática para el control de la temperatura de los circuitos de recirculación de agua doméstica 430



LEGIO•BOX - Sistema per il controllo della temperatura e disinfezione termica
LEGIO•BOX - Temperature control and thermal disinfection system
LEGIO•BOX - Système pour le contrôle de la température et la désinfection thermique
LEGIO•BOX - System zur Temperaturkontrolle und thermischen Desinfektion
LEGIO•BOX - Sistema para el control de la temperatura y desinfección térmica 434



Miscelatori termostatici
Thermostatic blenders
Mitigeurs thermostatiques pour chauffe-eau
Thermostat-Mischer
Mezcladores termostáticos 436



Gruppi di sicurezza
Safety units
Groupes de sécurité
Sicherheitsaggregate
Grupos de seguridad 446



SAFEMIX - Gruppi di sicurezza con miscelatore termostatico integrato
SAFEMIX - Safety units with integrated thermostatic blender
SAFEMIX - Groupes de sécurité avec limiteur de température intégré
SAFEMIX - Sicherheitsaggregate mit ergänzt Thermostat-Mischer
SAFEMIX - Grupos de seguridad con mezclador termostático integrado 448



Valvole di sicurezza per applicazioni sanitarie
Safety valves for sanitary applications
Soupape à pression de sécurité pour eau sanitaire
Sicherheitsventile für Sanitäranwendungen
Válvulas de seguridad para aplicaciones sanitarias 450



Valvole di ritegno
Check valves
Clapets anti-retour pour chauffage et chaudière
Rückhalteventile
Válvulas de retención 451

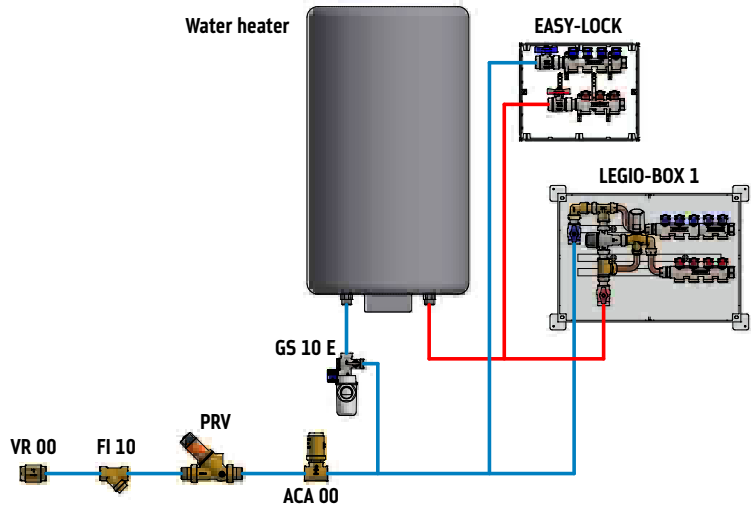


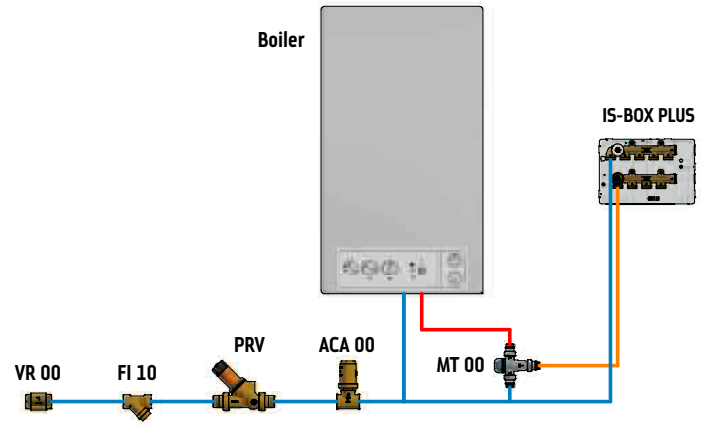
Filtri
Strainers
Filtres
Filter
Filtros 452



Riduttori di pressione
Pressure reducing valves
Réducteurs de pression
Druckminderer
Reductores de presión 454

INSTALLATION LAYOUTS





IS•BOX

IS-BOX is a box with a pair of DHW manifolds with 3+1 and 4+1 pre-fitted outlets, designed for recess wall-mounting including in bathrooms with tiled walls. The compact dimensions also enable installation in masonry or gypsum board walls with a minimum thickness of 60 mm. The manifolds are drinking water compatible and have inlets with shutoff provision by means of screw-seal valves and replaceable hardware. Available in two colours (white and chrome finish); also in completely accessible versions.
The IS•BOX range has been expanded with two new products: IS•BOX Plus and IS•BOX MPlus, which combine the advantages of a standard IS•BOX with the flexibility of the modular DHW manifolds EASY•LOCK, enabling the personalisation of both manifold models and number of outlets required. The MPlus version is equipped with an adjustable thermostatic mixer with anti-scald function, to prevent delivery to water terminals at excessively high temperatures.

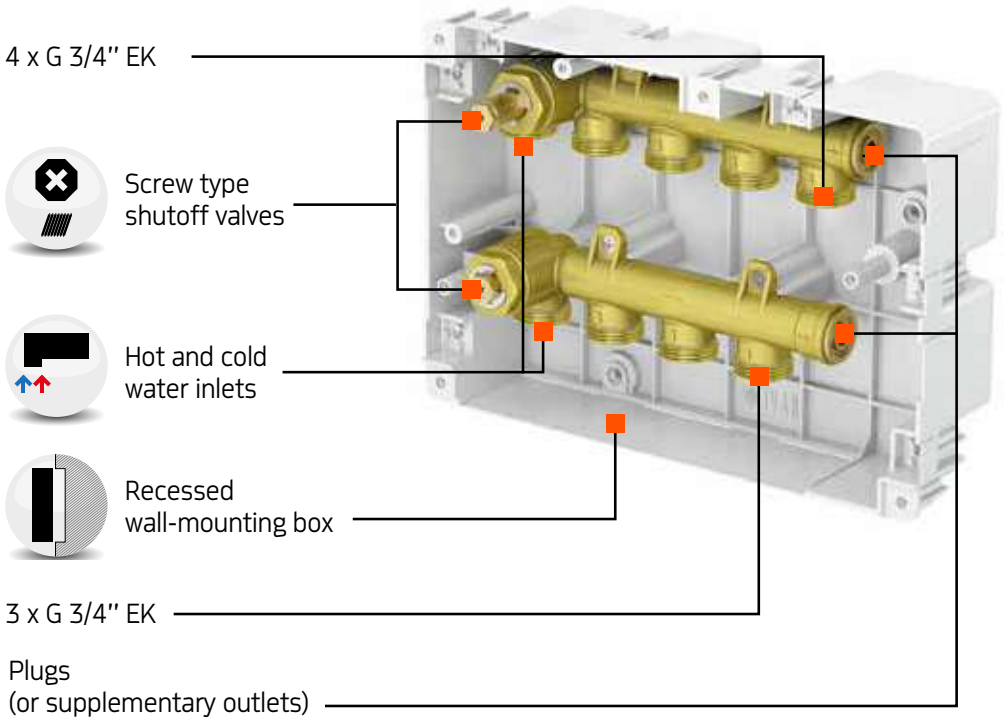
Materials
Brass parts: CW617N
Sealing elements: peroxide EPDM

Technical specifications
Max. fluid temperature inside manifold: 100 °C
Maximum operating pressure: 10 bar

PLUS (IS•BOX)

- **Compact solution ideal for thin walls (installation thickness of only 60 mm)**
- **Available with white or chrome finish**
- **Completely pre-assembled**

IS•BOX

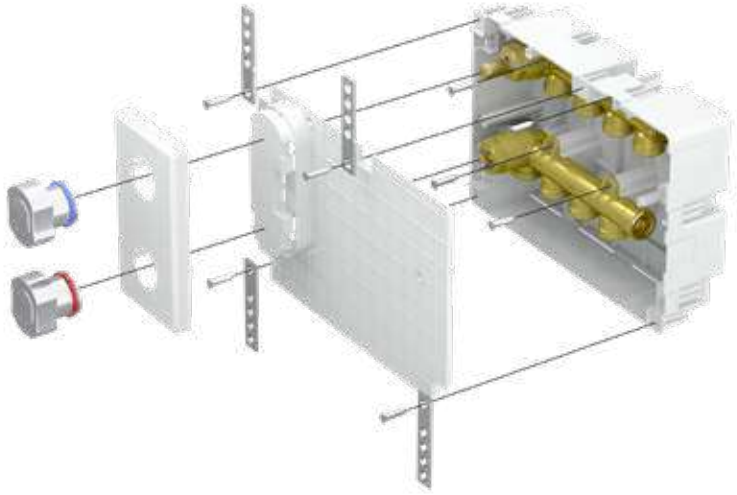


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BASIC VERSION

☑ INSPECTABLE

☑ WITH SHUTOFF OPTION
WITHOUT REMOVING BACKPLATE

☑ WITH SHUTOFF OPTION
WITHOUT REMOVING BACKPLATE
☑ INSPECTABLE

























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IS-BOX 1



- **IS-BOX base.**
- *IS-BOX basic.*
- **IS-BOX de base.**
- *IS-BOX Basis.*
- **IS-BOX base.**

182 × 267 × 60 mm

Code	Hot / Cold ways	Size	Color	Price	Class	Packaging
506592	3 HOT / 4 COLD	EUROK	☐	170,42 €	OC	1 / 4
506592CR	3 HOT / 4 COLD	EUROK	■	177,86 €	OC	1 / 4

IS-BOX 2



- **IS-BOX ispezionabile.**
- *Inspectable IS-BOX.*
- **IS-BOX inspectionnable.**
- *IS-BOX zu inspizieren.*
- **IS-BOX inspeccionable.**

182 × 267 × 60 mm

Code	KIT 2 IS-BOX	Hot / Cold ways	Size	Color	Price	Class	Packaging
506593	✓	3 HOT / 4 COLD	EUROK	☐	179,88 €	OC	1 / 4
506593CR	✓	3 HOT / 4 COLD	EUROK	■	221,91 €	OC	1 / 4

IS-BOX 3



- **IS-BOX con manopole di intercettazione cromate.**
- *IS-BOX with isolation chrome knobs.*
- **IS-BOX avec poignées d'interception chromées.**
- *IS-BOX zu inspizieren.*
- **IS-BOX con mandos de corte cromados.**

182 × 267 × 60 mm

Code	KIT 1 IS-BOX	Hot / Cold ways	Size	Color	Price	Class	Packaging
506594	✓	3 HOT / 4 COLD	EUROK	☐	214,35 €	OC	1 / 4
506594CR	✓	3 HOT / 4 COLD	EUROK	■	223,68 €	OC	1 / 4

IS-BOX 4



- **IS-BOX ispezionabile con manopole di intercettazione cromate.**
- *Inspectable IS-BOX with isolation chrome knobs.*
- **IS-BOX inspectionnable avec poignées d'interception chromées.**
- *IS-BOX zu inspizieren mit verchromten Überwachungsknöpfen.*
- **IS-BOX inspeccionable con mandos de corte cromados.**

182 × 267 × 60 mm

Code	KIT 1 IS-BOX	KIT 2 IS-BOX	Hot / Cold ways	Size	Color	Price	Class	Packaging
506595	✓	✓	3 HOT / 4 COLD	EUROK	☐	223,80 €	OC	1 / 4
506595CR	✓	✓	3 HOT / 4 COLD	EUROK	■	267,72 €	OC	1 / 4



- **Raccordo per tubo in rame >> p. 59,64,127,428**
- *Fitting for copper pipe >> p. 59,64,127,428*
- **Raccord pour tube en cuivre >> p. 59,64,127,428**
- *Verschraubung für Kupferrohr >> p. 59,64,127,428*
- **Conexión para tubo de cobre >> p. 59,64,127,428**



- **Raccordo per tubo multistrato >> p. 64,127,212,428**
- *Fitting for multilayer pipe >> p. 64,127,212,428*
- **Raccord pour tube multicouche >> p. 64,127,212,428**
- *Verschraubung für Verbundrohr >> p. 64,127,212,428*
- **Conexión para tubo multicapa >> p. 64,127,212,428**



- **Raccordo per tubo in polietilene >>p. 64,127,212,428**
- *Fitting for polyethylene pipe >>p. 64,127,212,428*
- **Raccord pour tube en polyéthylène >>p. 64,127,212,428**
- *Verschraubung für PEX-Rohr >>p. 64,127,212,428*
- **Conexión para tubo de polietileno >>p. 64,127,212,428**

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KIT 1 IS BOX



- **Kit manopole di intercettazione cromate per IS BOX base.**
- *Isolation chrome knobs kit for IS BOX basic.*
- **Kit de poignées d'interception chromées pour IS BOX de base.**
- *Bausatz verchromter Überwachungsknöpfe für IS BOX Basis.*
- **Conjunto de mandos de corte cromados para IS BOX base.**

Code	Color	Price	Class	Packaging
506650	☐	51,56 €	OC	1 / 8
506650CR	■	60,68 €	OC	1 / 8

KIT 2 IS BOX



- **Kit ispezionabile per IS BOX base.**
- *Inspectable kit for IS BOX basic.*
- **Kit inspectionnable pour IS BOX de base.**
- *Inspektions-Bausatz für IS BOX Basis.*
- **Conjunto inspeccionable para IS BOX base.**

Code	Color	Price	Class	Packaging
506651	☐	9,47 €	OC	1
506651CR	■	44,07 €	OC	1

KIT 3 IS BOX



- **Placca per IS BOX con manopole di intercettazione.**
- *Plate for IS BOX with isolation knobs.*
- **Plaque pour IS BOX avec poignées d'interception.**
- *Platte für IS BOX zu inspizieren.*
- **Placca para IS BOX con mandos de corte.**

Code	Color	Price	Class	Packaging
506652	☐	2,907 €	OC	1
506652CR	■	20,25 €	OC	1

KIT 4 IS BOX



- **Placca per IS BOX base.**
- *Plate for IS BOX basic.*
- **Plaque pour IS BOX de base.**
- *Platte für IS BOX Basis.*
- **Placca para IS BOX base.**

Code	Color	Price	Class	Packaging
506084	☐	2,729 €	OC	1
506084CR	■	11,76 €	OC	1

AR 22

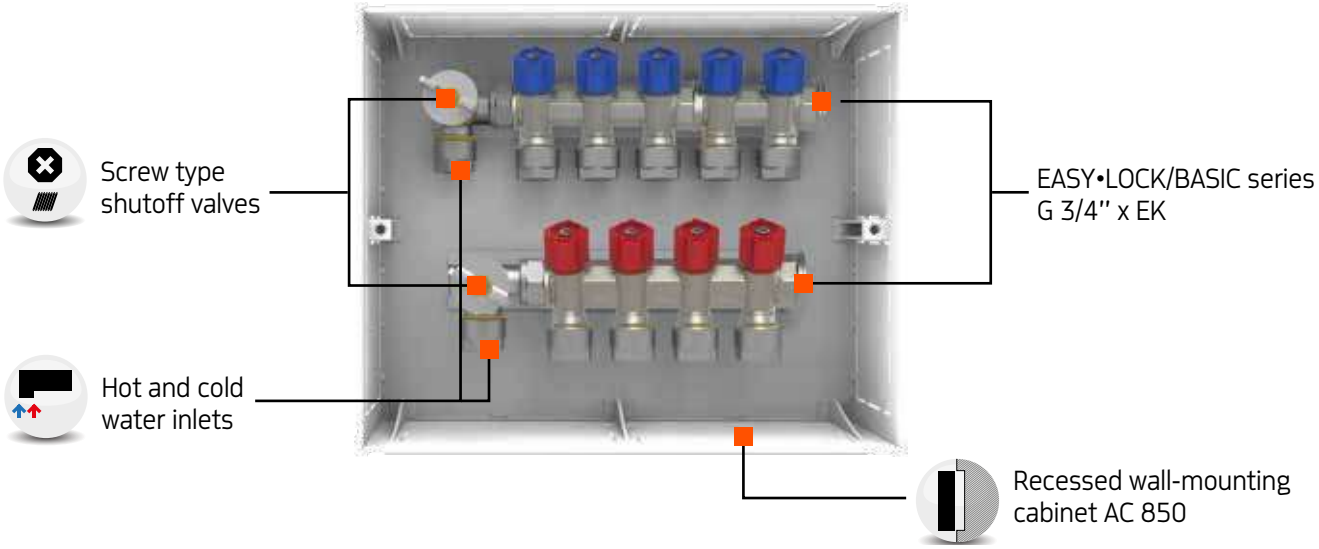


- **Prolunga per rubinetto da incasso.**
- *Extension for built in valve.*
- **Rallonge pour robinet à encastrement.**
- *Verlängerung für Einbauhahn.*
- **Extención para grifo empotrable.**

Code	Size	Price	Class	Packaging
550199	DN 15	4,36 €	IG	50 / 400

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IS•BOX Plus



IS-BOX PLUS



- **Kit con valvole di intercettazione a vite per sistema IS-BOX Plus e dadi girevoli da 3/4" F per montaggio collettori serie EASY-LOCK / BASIC.**
- *Kit including isolation screw valves for IS-BOX Plus system and 3/4'' F swivelling nuts for the connection of EASY-LOCK / BASIC series manifolds.*
- **Kit avec vannes d'interception à vis pour système IS-BOX Plus et écrous pivotants 3/4'' F pour la connections des collecteurs de la série EASY-LOCK / BASIC.**
- *Bausatz mit Schraube-Absperrventilen für System IS-BOX Plus und drehbarer Mutter 3/4" IG für den Anschluss von Verteilern der Serie EASY-LOCK / BASIC.*
- **Kit con válvulas de cierre con tornillo para el sistema IS-BOX Plus y arandela 3/4" F para el montaje de los colectores de la serie EASY-LOCK / BASIC.**

Code	Size	Suitable Cabinet	Price	Class	Packaging
506684	3/4" EUROK x 3/4" F TP	AC 850	71,34 €	OC	1

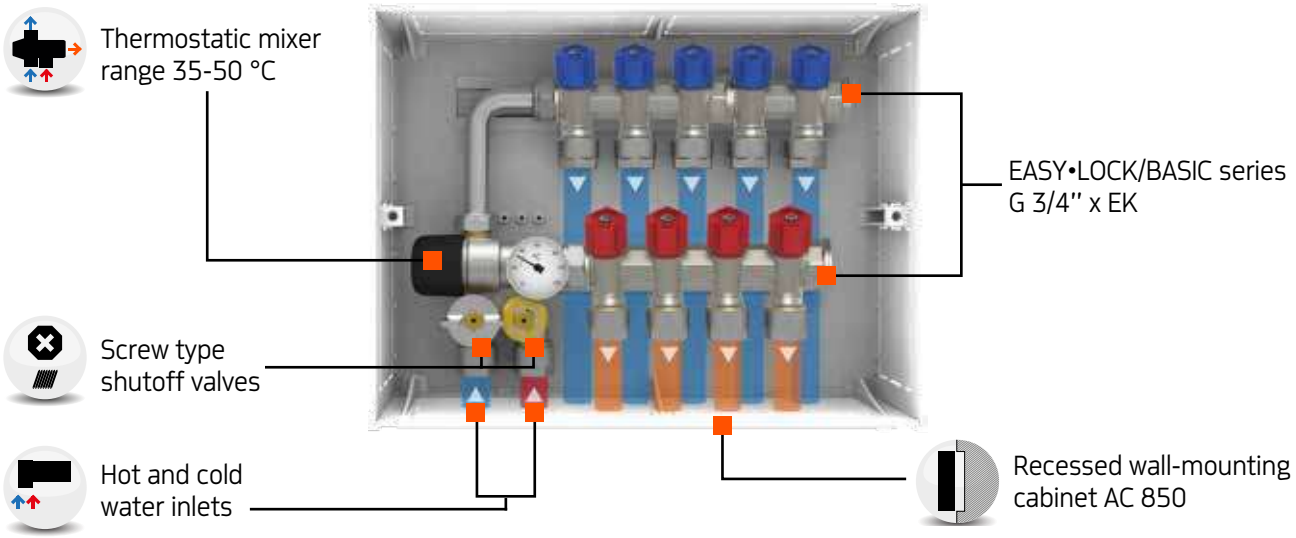


- **AC 850 (cassetta abbinabile fino a 5 vie AFS + 4 vie ACS: codice SAM-032) >>p. 205,426**
- *AC 850 (suitable cabinet up to 5 Cold + 4 Hot ways: code SAM-032) >>p. 205,426*
- **AC 850 (cassette combinable jusqu'à 5 voies AFS + 4 voies ECS: code SAM-032) >>p. 205,426**
- *AC 850 (kombiniert Verteilerschrank bis zu 5 Kaltwasser-Wege + 4 Warmwasser-Wege: Artikelnummer SAM-032) >>p. 205,426*
- **AC 850 (caja combinable hasta 5 vías AFS + 4 vías ACS: código SAM-032) >>p. 205,426**

- **Per i collettori componibili della serie EASY•LOCK / BASIC da abbinare, vedere le sezioni seguenti.**
- *For the modular manifolds EASY•LOCK / BASIC series to be matched, see the following sections.*
- **Pour les collecteurs de la série EASY•LOCK / BASIC à combiner, voir les sections suivantes.**
- *Für die Einbauverteiler der Serie EASY•LOCK / BASIC zu kombinieren, beachten Sie die folgenden Abschnitte.*
- **Para los colectores de la serie EASY•LOCK / BASIC para combinar, consulte las siguientes secciónes.**

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IS•BOX MPlus



IS-BOX MPLUS



- **Kit con valvole di intercettazione a vite e miscelatore termostatico integrato per sistema IS-BOX MPlus con dadi girevoli da 3/4" F per montaggio collettori serie EASY-LOCK / BASIC.**
- *Kit with isolation screw valves and built-in thermostatic blender for IS-BOX MPlus system with 3/4" F swiveling nuts for the connection of EASY-LOCK / BASIC series manifolds.*
- **Kit avec vannes d'interception à vis et limiteur de température intégré pour système IS-BOX MPlus avec écrous pivotants 3/4" F pour la connections des collecteurs de la série EASY-LOCK / BASIC.**
- *Bausatz mit Schraube-Absperrventilen und ergänzt Thermostat-Mischer für System IS-BOX MPlus mit drehbarer Mutter 3/4" IG für den Anschluss von Verteilern der Serie EASY-LOCK / BASIC.*
- **Kit con válvulas de cierre con tornillo y mezclador termostático integrado para el sistema IS-BOX MPlus con arandela 3/4" F para el montaje de los colectores de la serie EASY-LOCK / BASIC.**

Code	Size	Range	Suitable Cabinet	Price	Class	Packaging
506664	3/4" EUROK x 3/4" F TP	35-50 °C	AC 850	226,35 €	OC	1



- **AC 850 (cassetta abbinabile fino a 5 vie AFS + 4 vie ACS: codice SAM-032) >>p. 205,426**
- *AC 850 (suitable cabinet up to 5 Cold + 4 Hot ways: code SAM-032) >>p. 205,426*
- **AC 850 (cassette combinable jusqu'à 5 voies AFS + 4 voies ECS: code SAM-032) >>p. 205,426**
- *AC 850 (kombiniert Verteilerschrank bis zu 5 Kaltwasser-Wege + 4 Warmwasser-Wege: Artikelnummer SAM-032) >>p. 205,426*
- **AC 850 (caja combinable hasta 5 vías AFS + 4 vías ACS: código SAM-032) >>p. 205,426**

- **Per i collettori componibili della serie EASY•LOCK / BASIC da abbinare, vedere le sezioni seguenti.**
- *For the modular manifolds EASY•LOCK / BASIC series to be matched, see the following sections.*
- **Pour les collecteurs de la série EASY•LOCK / BASIC à combiner, voir les sections suivantes.**
- *Für die Einbauverteiler der Serie EASY•LOCK / BASIC zu kombinieren, beachten Sie die folgenden Abschnitte.*
- **Para los colectores de la serie EASY•LOCK / BASIC para combinar, consulte las siguientes secciónes.**

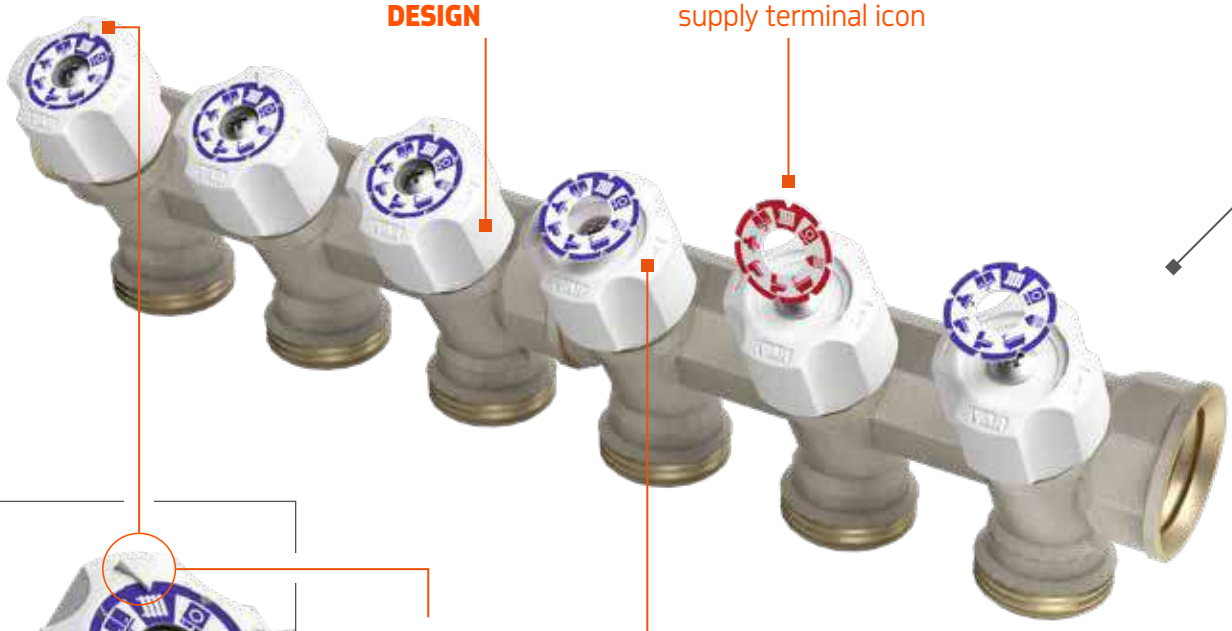
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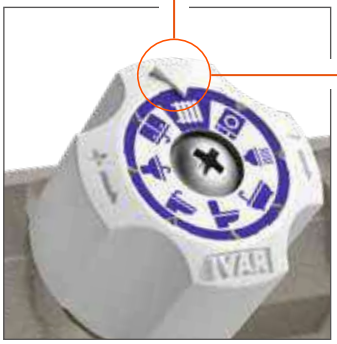
EASY•LOCK

The manifolds in the EASY•LOCK range feature the option for practical and simple interconnection with one another. Thanks to the offset design of the threads, EASY•LOCK manifolds remain aligned and the action of an O-ring ensures perfect sealing efficiency. This means that it is prohibited to use sealing systems such as hemp or PTFE, or to use additional sealants.
When shut-off valves or caps are fitted to the EASY•LOCK manifolds, the best solution is always to use IVAR components with the same sealing technology – soft seal with o-ring.
If it is necessary to make a connection to a threaded component without soft seal technology, the use of hemp is still prohibited; it is recommended instead to use PTFE tape or a thread sealing cord (e.g. Loctite® 55), of which the appropriate quantity should be used, applying a **maximum tightening torque of between 15 and 20 Nm** with a tool.
The manifolds are nickel plated on the exterior only, and therefore remain yellow on the inside, ensuring conformity for conveying drinking water.

Knobs with **NEW ERGONOMIC DESIGN**

SINGLE REVERSIBLE PLATE (hot/cold) with supply terminal icon





INDICATOR INCORPORATED IN THE KNOB

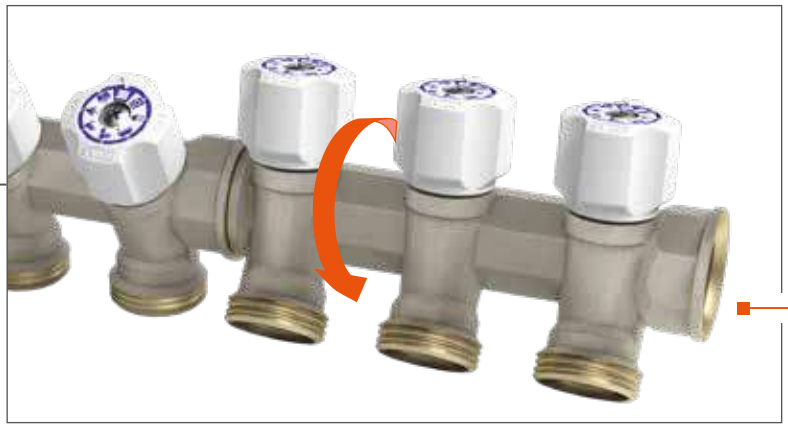


NEW EASY-LABEL TECHNOLOGY:
it is not necessary to remove the screw to insert the reversible plate, thanks to the interlocking positioning

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Materials
Brass parts: CW617N nickel-plated on exterior only
Sealing elements: peroxide EPDM

Technical specifications
Max. fluid temperature inside manifold: 100 °C
Maximum operating pressure: 10 bar
Outlet interaxis: 40 mm



AUTOMATIC ALIGNMENT BY HAND THANKS TO OFFSET THREADS.
NO tightening tool is required.



O-RING FOR SOFT SEAL:
no additional sealant such as hemp or Teflon required.



Inclined at 30° shut-off knobs.



Available with **3/4" or 1" MAIN CONNECTION.**

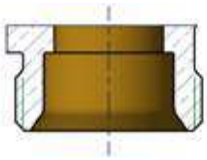




Straight shut-off knobs.

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EASY•LOCK manifolds with EUROK connections and suitable fittings



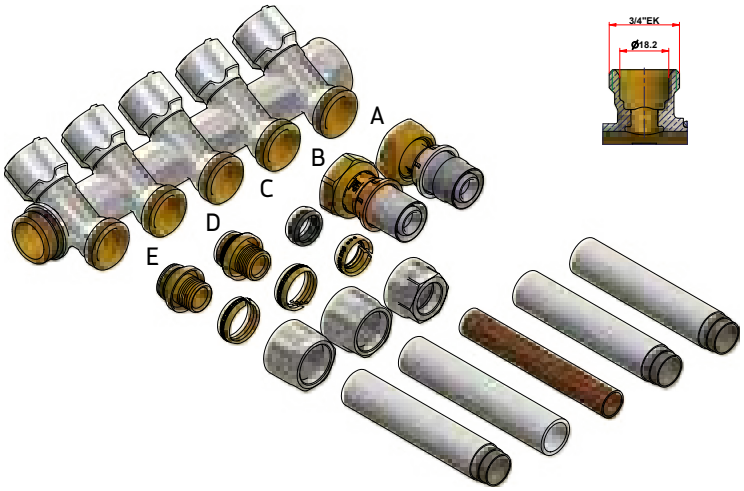
A) MPL 5705

B) MP 5705

C) TR 4430

D) TP 4410

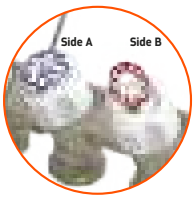
E) TA 4420



CI 390 N



- **Collettore componibile serie EASY LOCK (interasse 40 mm) con valvole di intercettazione a manovra manuale, piastrina reversibile (calda/fredda) con indicazione del terminale di erogazione e attacchi inclinati a 30 °.**
- *Modular manifold EASY LOCK series (centre-to-centre distance 40 mm) with manually operated isolation valves, reversible plate (hot/cold) showing the element connected to the corresponding outtake and 30 ° inclined connections.*
- **Collecteur à éléments série EASY LOCK (empattement 40 mm) avec des vannes d´interception à manoeuvre manuelle, plaque réversible (chaud / froid) avec indication du terminal de distribution et embouts inclinés à 30 °.**
- *Einbauverteiler Serie EASY LOCK (Radstand 40 mm) mit Absperbarenventile mit manueller Hebel, reversible Platte (warm / kalt) mit Angabe des Ausgabe-Terminal und bei 30 ° geneigt Anschlüßen.*
- **Colector componible serie EASY LOCK (distancia entre ejes 40 mm) con válvulas de cierre con cabeza manual, placa reversible (fría / caliente) con indicación de la terminal de dispensación y conexiones inclinadas en 30 °**

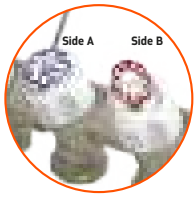


Code	Ways	Size	OC distance	Color	Price	Class	Packaging
507800N	2	3/4" x EUROK	40 mm	or (reversible)	26,13 €	NG	8 / 32
507801N	3	3/4" x EUROK	40 mm	or (reversible)	36,56 €	NG	5 / 20
507802N	4	3/4" x EUROK	40 mm	or (reversible)	46,93 €	NG	4 / 16
507830N	5	3/4" x EUROK	40 mm	or (reversible)	61,56 €	NG	5
507815N	2	1" x EUROK	40 mm	or (reversible)	30,05 €	NG	8 / 32
507816N	3	1" x EUROK	40 mm	or (reversible)	40,57 €	NG	5 / 20
507817N	4	1" x EUROK	40 mm	or (reversible)	51,10 €	NG	4 / 16

CI 490 N



- **Collettore componibile serie EASY LOCK (interasse 40 mm) con valvole di intercettazione a manovra manuale e piastrina reversibile (calda/fredda) con indicazione del terminale di erogazione.**
- *Modular manifold EASY LOCK series (centre-to-centre distance 40 mm) with manually operated isolation valves and reversible plate (hot/cold) showing the element connected to the corresponding outtake.*
- **Collecteur à éléments série EASY LOCK (empattement 40 mm) avec des vannes d´interception à manoeuvre manuelle et plaque réversible (chaud / froid) avec indication du terminal de distribution.**
- *Einbauverteiler Serie EASY LOCK (Radstand 40 mm) mit Absperbarenventile mit manueller Hebel und reversibler Platte (warm / kalt) mit Angabe des Ausgabe-Terminal.*
- **Colector componible serie EASY LOCK (distancia entre ejes 40 mm) con válvulas de cierre con cabeza manual y placa reversible (fría / caliente) con indicación de la terminal de dispensación.**



Code	Ways	Size	OC distance	Color	Price	Class	Packaging
507300N	2	3/4" x EUROK	40 mm	or (reversible)	21,28 €	NG	8 / 32
507301N	3	3/4" x EUROK	40 mm	or (reversible)	28,88 €	NG	5 / 20
507302N	4	3/4" x EUROK	40 mm	or (reversible)	36,75 €	NG	4 / 16
507320N	2	1" x EUROK	40 mm	or (reversible)	23,56 €	NG	8 / 32
507321N	3	1" x EUROK	40 mm	or (reversible)	32,22 €	NG	5 / 20
507322N	4	1" x EUROK	40 mm	or (reversible)	40,08 €	NG	4 / 16

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CI 490 NW



- **Collettore componibile serie EASY LOCK (interasse 40 mm) con valvole di intercettazione a manovra manuale.**
- *Modular manifold EASY LOCK series (centre-to-centre distance 40 mm) with manually operated isolation valve.*
- **Collecteur à éléments série EASY LOCK (empattement 40 mm) avec des vannes d´interception à manoeuvre manuelle.**
- *Einbauverteiler Serie EASY LOCK (Radstand 40 mm) mit Absperbarenventile mit manueller Hebel.*
- **Colector componible serie EASY LOCK (distancia entre ejes 40 mm) con válvulas de cierre con cabeza manual.**

Code	Ways	Size	OC distance	Color	Price	Class	Packaging
507300NW	2	3/4" x EUROK	40 mm		20,15 €	NG	8 / 32
507301NW	3	3/4" x EUROK	40 mm		27,09 €	NG	5 / 20
507302NW	4	3/4" x EUROK	40 mm		34,35 €	NG	4 / 16
507320NW	2	1" x EUROK	40 mm		22,52 €	NG	8 / 32
507321NW	3	1" x EUROK	40 mm		30,66 €	NG	5 / 20
507322NW	4	1" x EUROK	40 mm		38,37 €	NG	4 / 16

CI 490 NB



- **Collettore componibile serie EASY LOCK (interasse 40 mm) con valvole di intercettazione a manovra manuale.**
- *Modular manifold EASY LOCK series (centre-to-centre distance 40 mm) with manually operated isolation valve.*
- **Collecteur à éléments série EASY LOCK (empattement 40 mm) avec des vannes d´interception à manoeuvre manuelle.**
- *Einbauverteiler Serie EASY LOCK (Radstand 40 mm) mit Absperbarenventile mit manueller Hebel.*
- **Colector componible serie EASY LOCK (distancia entre ejes 40 mm) con válvulas de cierre con cabeza manual.**

Code	Ways	Size	OC distance	Color	Price	Class	Packaging
507300NB	2	3/4" x EUROK	40 mm		20,15 €	NG	8 / 32
507301NB	3	3/4" x EUROK	40 mm		27,09 €	NG	5 / 20
507302NB	4	3/4" x EUROK	40 mm		34,35 €	NG	4 / 16
507320NB	2	1" x EUROK	40 mm		22,52 €	NG	8 / 32
507321NB	3	1" x EUROK	40 mm		30,66 €	NG	5 / 20
507322NB	4	1" x EUROK	40 mm		38,37 €	NG	4 / 16

CI 490 NR



- **Collettore componibile serie EASY LOCK (interasse 40 mm) con valvole di intercettazione a manovra manuale.**
- *Modular manifold EASY LOCK series (centre-to-centre distance 40 mm) with manually operated isolation valve.*
- **Collecteur à éléments série EASY LOCK (empattement 40 mm) avec des vannes d´interception à manoeuvre manuelle.**
- *Einbauverteiler Serie EASY LOCK (Radstand 40 mm) mit Absperbarenventile mit manueller Hebel.*
- **Colector componible serie EASY LOCK (distancia entre ejes 40 mm) con válvulas de cierre con cabeza manual.**

Code	Ways	Size	OC distance	Color	Price	Class	Packaging
507300NR	2	3/4" x EUROK	40 mm		20,15 €	NG	8 / 32
507301NR	3	3/4" x EUROK	40 mm		27,09 €	NG	5 / 20
507302NR	4	3/4" x EUROK	40 mm		34,35 €	NG	4 / 16
507320NR	2	1" x EUROK	40 mm		22,52 €	NG	8 / 32
507321NR	3	1" x EUROK	40 mm		30,66 €	NG	5 / 20
507322NR	4	1" x EUROK	40 mm		38,37 €	NG	4 / 16


• TA 4420 >> p. 64,127,212,428


• TP 4410 >> p. 64,127,212,428


• TR 4430 >> p. 59,64,127,428


• MP 5705 >> p. 97

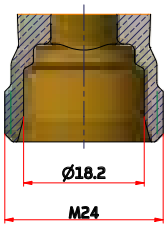

• MPL 5705 >> p. 109


• >>p. 205,426

- **Per cassette, kit di fissaggio e raccordi vedere la sezione "Accessori e raccordi per collettori sanitari".**
- *For cabinets, fixing kits and fittings see the "Accessories and fittings for sanitary manifolds" section.*
- **Pour les cassettes, les kits de fixation et les raccords, voir la section «Accessoires et raccords pour collecteurs sanitaires».**
- *Für Kästen, Befestigungssätzen und Verbinder beachten Sie Abschnitt „Zubehör und Verbinder für Sanitärverteiler".*
- **Para cajas, kits de fijación y racores, consulte la sección "Accesorios y racores para colectores sanitarios".**

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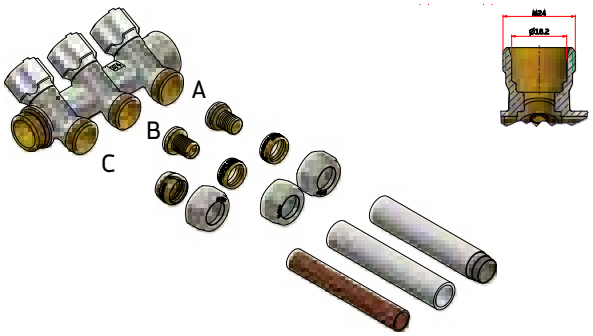
EASY•LOCK manifolds with 1/2" M, 1/2" M TP and M24x1,5 connections and suitable fittings

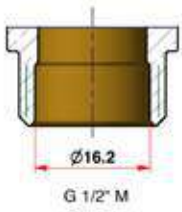


A) TA 420

B) TP 410

C) TR 430

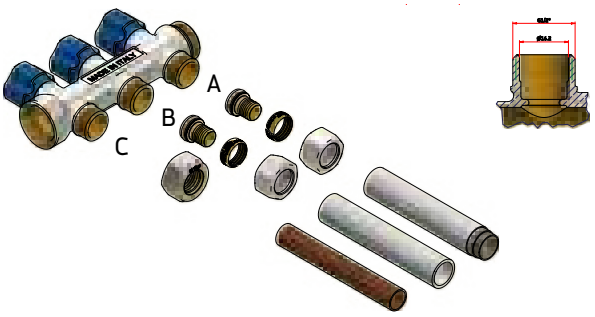


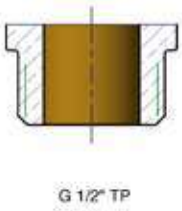


A) TA 420 P

B) TP 410 P

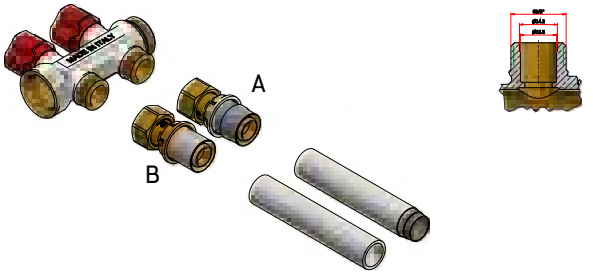
C) TR 430 P





A) MPL 5703

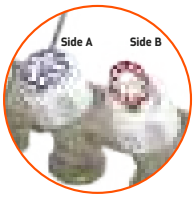
B) MP 5703



CI 350 N



- **Collettore componibile serie EASY LOCK (interasse 40 mm) con valvole di intercettazione a manovra manuale, piastrina reversibile (calda/fredda) con indicazione del terminale di erogazione e attacchi inclinati a 30 °.**
- *Modular manifold EASY LOCK series (centre-to-centre distance 40 mm) with manually operated isolation valves, reversible plate (hot/cold) showing the element connected to the corresponding outtake and 30 ° inclined connections.*
- **Collecteur à éléments série EASY LOCK (empattement 40 mm) avec des vannes d´interception à manoeuvre manuelle, plaque réversible (chaud / froid) avec indication du terminal de distribution et embouts inclinés à 30 °.**
- *Einbauverteiler Serie EASY LOCK (Radstand 40 mm) mit Absperbarenventile mit manueller Hebel, reversible Platte (warm / kalt) mit Angabe des Ausgabe-Terminal und bei 30 ° geneigt Anschlüßen.*
- **Colector componible serie EASY LOCK (distancia entre ejes 40 mm) con válvulas de cierre con cabeza manual, placa reversible (fría / caliente) con indicación de la terminal de dispensación y conexiones inclinadas en 30 °**



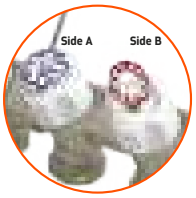
Code	Ways	Size	OC distance	Color	Price	Class	Packaging
506806N	2	3/4" x 1/2" M	40 mm	or (reversible)	26,13 €	NG	30
506807N	3	3/4" x 1/2" M	40 mm	or (reversible)	36,56 €	NG	25
506808N	4	3/4" x 1/2" M	40 mm	or (reversible)	46,93 €	NG	20
506809N	2	3/4" x 1/2" M TP	40 mm	or (reversible)	26,13 €	NG	30
506810N	3	3/4" x 1/2" M TP	40 mm	or (reversible)	36,56 €	NG	25
506811N	4	3/4" x 1/2" M TP	40 mm	or (reversible)	46,93 €	NG	20
506834N	5	3/4" x 1/2" M TP	40 mm	or (reversible)	61,56 €	NG	15

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CI 400 NBR



- **Collettore componibile serie EASY LOCK (interasse 40 mm) con valvole di intercettazione a manovra manuale e piastrina reversibile (calda/fredda) con indicazione del terminale di erogazione.**
- *Modular manifold EASY LOCK series (centre-to-centre distance 40 mm) with manually operated isolation valves and reversible plate (hot/cold) showing the element connected to the corresponding outtake.*
- **Collecteur à éléments série EASY LOCK (empattement 40 mm) avec des vannes d´interception à manoeuvre manuelle et plaque réversible (chaud / froid) avec indication du terminal de distribution.**
- *Einbauverteiler Serie EASY LOCK (Radstand 40 mm) mit Absperbarenventile mit manueller Hebel und reversibler Platte (warm / kalt) mit Angabe des Ausgabe-Terminal.*
- **Colector componible serie EASY LOCK (distancia entre ejes 40 mm) con válvulas de cierre con cabeza manual y placa reversible (fría / caliente) con indicación de la terminal de dispensación.**



Code	Ways	Size	OC distance	Color	Price	Class	Packaging
506316NBR	2	3/4“ x 1/2“ M TP	40 mm	or (reversible)	22,08 €	NG	55
506317NBR	3	3/4“ x 1/2“ M TP	40 mm	or (reversible)	29,43 €	NG	35
506318NBR	4	3/4“ x 1/2“ M TP	40 mm	or (reversible)	37,10 €	NG	28
506304NBR	2	3/4“ x M24x1,5	40 mm	or (reversible)	22,08 €	NG	55
506305NBR	3	3/4“ x M24x1,5	40 mm	or (reversible)	29,43 €	NG	35
506306NBR	4	3/4“ x M24x1,5	40 mm	or (reversible)	37,10 €	NG	28
506324NBR	2	1“ x M24x1,5	40 mm	or (reversible)	23,79 €	NG	35
506325NBR	3	1“ x M24x1,5	40 mm	or (reversible)	32,52 €	NG	30
506326NBR	4	1“ x M24x1,5	40 mm	or (reversible)	40,45 €	NG	20

CI 400 N



- **Collettore componibile serie EASY LOCK (interasse 40 mm) con valvole di intercettazione a manovra manuale.**
- *Modular manifold EASY LOCK series (centre-to-centre distance 40 mm) with manually operated isolation valves.*
- **Collecteur à éléments série EASY LOCK (empattement 40 mm) avec des vannes d´interception à manoeuvre manuelle.**
- *Einbauverteiler Serie EASY LOCK (Radstand 40 mm) mit Absperbarenventile mit manueller Hebel.*
- **Colector componible serie EASY LOCK (distancia entre ejes 40 mm) con válvulas de cierre con cabeza manual.**

Code	Ways	Size	OC distance	Color	Price	Class	Packaging
506316N	2	3/4“ x 1/2“ M TP	40 mm	☐	20,15 €	NG	55
506317N	3	3/4“ x 1/2“ M TP	40 mm	☐	27,09 €	NG	35
506318N	4	3/4“ x 1/2“ M TP	40 mm	☐	34,35 €	NG	28
506304N	2	3/4“ x M24x1,5	40 mm	☐	20,15 €	NG	55
506305N	3	3/4“ x M24x1,5	40 mm	☐	27,09 €	NG	35
506306N	4	3/4“ x M24x1,5	40 mm	☐	34,35 €	NG	28
506324N	2	1“ x M24x1,5	40 mm	☐	22,52 €	NG	45
506325N	3	1“ x M24x1,5	40 mm	☐	30,66 €	NG	30
506326N	4	1“ x M24x1,5	40 mm	☐	38,37 €	NG	20


• TA 420 P >> p. 53,128,429


• TP 410 P >> p. 53,128,429


• TR 430 P >>p. 53,128,429


• TA 420 >> p. 429


• TP 410 >> p. 429


• TR 430 >> p. 429


• MP 5703 >> p. 97


• MPL 5703 >>p. 109

- **Per cassette, kit di fissaggio e raccordi vedere la sezione “Accessori e raccordi per collettori sanitari”.**
- *For cabinets, fixing kits and fittings see the “Accessories and fittings for sanitary manifolds” section.*
- **Pour les cassettes, les kits de fixation et les raccords, voir la section «Accessoires et raccords pour collecteurs sanitaires».**
- *Für Kästen, Befestigungssätze und Verbinder beachten Sie Abschnitt „Zubehör und Verbinder für Sanitärverteiler“.*
- **Para cajas, kits de fijación y racores, consulte la sección “Accesorios y racores para colectores sanitarios”.**

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CI 400 NB



- **Collettore componibile serie EASY LOCK (interasse 40 mm) con valvole di intercettazione a manovra manuale.**
- *Modular manifold EASY LOCK series (centre-to-centre distance 40 mm) with manually operated isolation valves.*
- **Collecteur à éléments série EASY LOCK (empattement 40 mm) avec des vannes d´interception à manoeuvre manuelle.**
- *Einbauverteiler Serie EASY LOCK (Radstand 40 mm) mit Absperbarenventile mit manueller Hebel.*
- **Colector componible serie EASY LOCK (distancia entre ejes 40 mm) con válvulas de cierre con cabeza manual.**

Code	Ways	Size	OC distance	Color	Price	Class	Packaging
506316NB	2	3/4“ x 1/2“ M TP	40 mm		20,15 €	NG	55
506317NB	3	3/4“ x 1/2“ M TP	40 mm		27,09 €	NG	35
506318NB	4	3/4“ x 1/2“ M TP	40 mm		34,35 €	NG	28
506304NB	2	3/4“ x M24x1,5	40 mm		20,15 €	NG	55
506305NB	3	3/4“ x M24x1,5	40 mm		27,09 €	NG	35
506306NB	4	3/4“ x M24x1,5	40 mm		34,35 €	NG	28
506324NB	2	1“ x M24x1,5	40 mm		22,52 €	NG	45
506325NB	3	1“ x M24x1,5	40 mm		30,66 €	NG	30
506326NB	4	1“ x M24x1,5	40 mm		38,37 €	NG	20

CI 400 NR



- **Collettore componibile serie EASY LOCK (interasse 40 mm) con valvole di intercettazione a manovra manuale.**
- *Modular manifold EASY LOCK series (centre-to-centre distance 40 mm) with manually operated isolation valves.*
- **Collecteur à éléments série EASY LOCK (empattement 40 mm) avec des vannes d´interception à manoeuvre manuelle.**
- *Einbauverteiler Serie EASY LOCK (Radstand 40 mm) mit Absperbarenventile mit manueller Hebel.*
- **Colector componible serie EASY LOCK (distancia entre ejes 40 mm) con válvulas de cierre con cabeza manual.**

Code	Ways	Size	OC distance	Color	Price	Class	Packaging
506316NR	2	3/4“ x 1/2“ M TP	40 mm		20,15 €	NG	55
506317NR	3	3/4“ x 1/2“ M TP	40 mm		27,09 €	NG	35
506318NR	4	3/4“ x 1/2“ M TP	40 mm		34,35 €	NG	28
506304NR	2	3/4“ x M24x1,5	40 mm		20,15 €	NG	55
506305NR	3	3/4“ x M24x1,5	40 mm		27,09 €	NG	35
506306NR	4	3/4“ x M24x1,5	40 mm		34,35 €	NG	28
506324NR	2	1“ x M24x1,5	40 mm		22,52 €	NG	45
506325NR	3	1“ x M24x1,5	40 mm		30,66 €	NG	30
506326NR	4	1“ x M24x1,5	40 mm		38,37 €	NG	20



• TA 420 >> p. 429



• TP 410 >> p. 429



• TR 430 >> p. 429



• MP 5703 >> p. 97

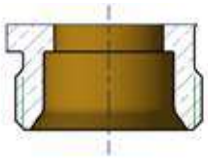


• MPL 5703 >>p. 109

- **Per cassette, kit di fissaggio e raccordi vedere la sezione “Accessori e raccordi per collettori sanitari”.**
- *For cabinets, fixing kits and fittings see the “Accessories and fittings for sanitary manifolds” section.*
- **Pour les cassettes, kits de fixation et les raccords, voir la section «Accessoires et raccords pour collecteurs sanitaires».**
- *Für Kästen, Befestigungssätze und Verbinder beachten Sie Abschnitt „Zubehör und Verbinder für Sanitärverteiler“.*
- **Para cajas, kits de fijación y racores, consulte la sección “Accesorios y racores para colectores sanitarios”.**

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EASY•LOCK manifolds (CS 200 N) with EUROK and 1/2" F connections and suitable fittings



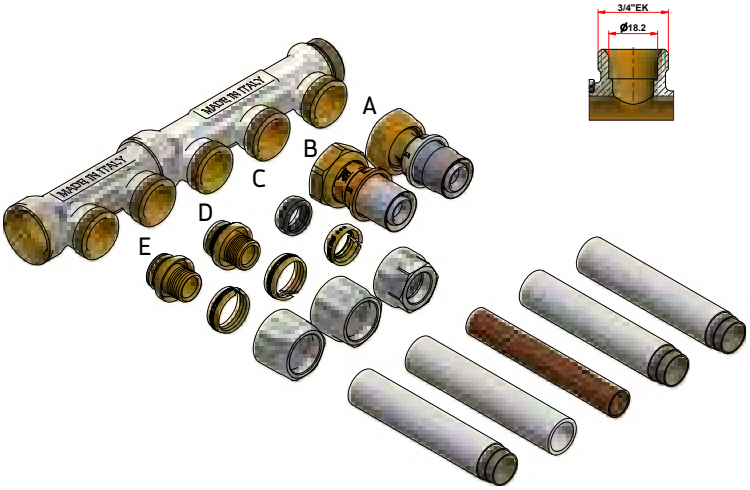
A) MPL 5705

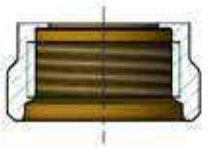
B) MP 5705

C) TR 4430

D) TP 4410

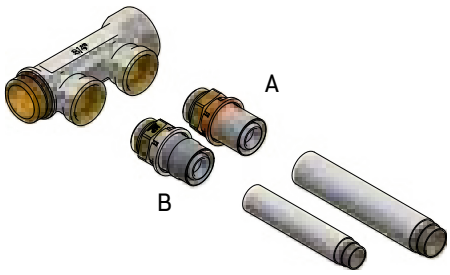
E) TA 4420

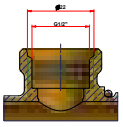




A) MP 5609

B) MPL 5609





CS 200 N



- **Collettore componibile semplice serie EASY LOCK (interasse 40 mm).**
- *Modular plain manifold EASY LOCK series (centre-to-centre distance 40 mm).*
- **Collecteur simple à éléments série EASY LOCK (empattement 40 mm).**
- *Einbauverteiler Serie EASY LOCK (Radstand 40 mm).*
- **Colector componible simple serie EASY LOCK (distancia entre ejes 40 mm).**

Code	Ways	Size	OC distance	Price	Class	Packaging
501705N	2	3/4" x EUROK	40 mm	13,18 €	NG	80
501707N	3	3/4" x EUROK	40 mm	15,85 €	NG	54
501709N	4	3/4" x EUROK	40 mm	20,44 €	NG	40
501701N	2	3/4" x 1/2" F	40 mm	13,18 €	NG	80
501702N	3	3/4" x 1/2" F	40 mm	15,85 €	NG	54
501703N	4	3/4" x 1/2" F	40 mm	20,44 €	NG	40
501685N	2	1" x EUROK	40 mm	14,93 €	NG	70
501687N	3	1" x EUROK	40 mm	18,55 €	NG	50
501689N	4	1" x EUROK	40 mm	23,67 €	NG	30
501681N	2	1" x 1/2" F	40 mm	14,93 €	NG	70
501682N	3	1" x 1/2" F	40 mm	18,55 €	NG	50
501683N	4	1" x 1/2" F	40 mm	23,67 €	NG	30


• TA 4420 >> p. 64,127,212,428


• TP 4410 >> p. 64,127,212,428


• TR 4430 >> p. 59,64,127,428


• MP 5705 >> p. 97

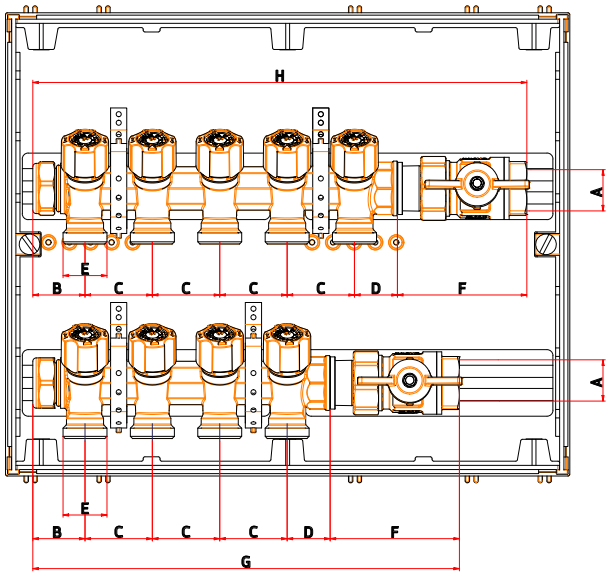

• MPL 5705 >> p. 109


• C_Notes_IT
• C_Notes_EN
• C_Notes_FR p. 95
• C_Notes_DE
• C_Notes_ES


• MPL 5609 >>p. 109

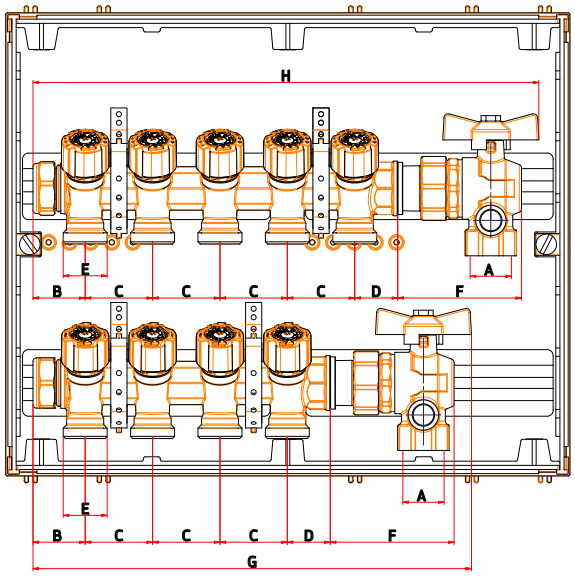
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MANIFOLD DIMENSIONS (Octagonal section) ⬡ +



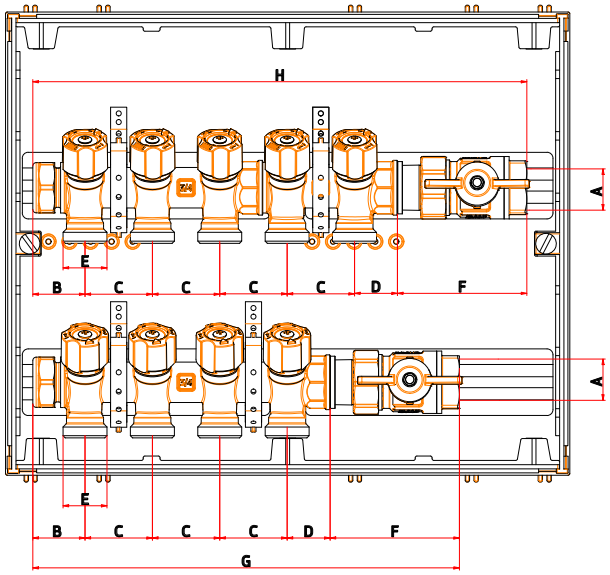
A	B	C	D	E	F	G	H
G 3/4" F	32 mm	40 mm	25,5 mm	EUROK	77 mm	254,5 mm	294,5 mm
G 1" F	34,5 mm	40 mm	25,5 mm	EUROK	80 mm	260 mm	300 mm

MANIFOLD DIMENSIONS (Octagonal section) ⬡ +



A	B	C	D	E	F	G	H
G 3/4" F	32 mm	40 mm	25,5 mm	EUROK	73,5 mm	261,5 mm	301,5 mm
G 1" F	34,5 mm	40 mm	25,5 mm	EUROK	93 mm	272,5 mm	312,5 mm

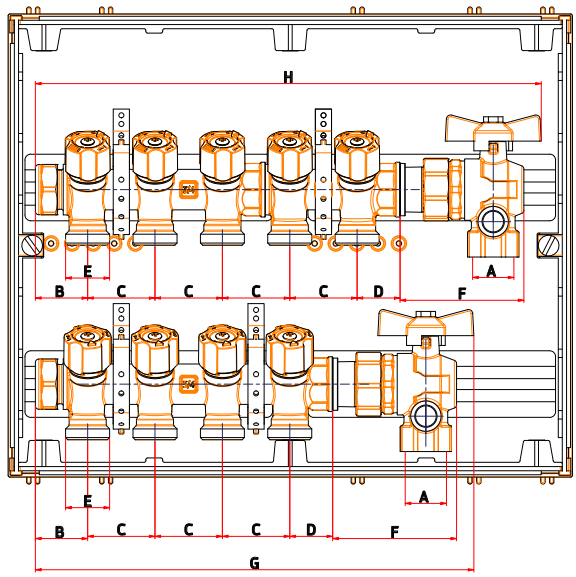
MANIFOLD DIMENSIONS (Round section) ⬡ +



A	B	C	D	E	F	G	H
G 3/4" F	32 mm	40 mm	25,5 mm	EUROK* 1/2" F* 1/2" M 1/2" M TP M24x1,5	77 mm	254,5 mm	294,5 mm
G 1" F	34,5 mm	40 mm	25,5 mm	EUROK* 1/2" F* M24x1,5	80 mm	260 mm	300 mm

*CS 200 N only

MANIFOLD DIMENSIONS (Round section) ⬡ +



A	B	C	D	E	F	G	H
G 3/4" F	32 mm	40 mm	25,5 mm	EUROK* 1/2" F* 1/2" M 1/2" M TP M24x1,5	73,5 mm	261,5 mm	301,5 mm
G 1" F	34,5 mm	40 mm	25,5 mm	EUROK* 1/2" F* M24x1,5	93 mm	272,5 mm	312,5 mm

*CS 200 N only

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BASIC SERIES MANIFOLDS

The manifolds in the BASIC range feature the option for practical and simple interconnection with one another. Thanks to the offset design of the threads, BASIC manifolds remain aligned and the action of an O-ring ensures perfect sealing efficiency. This means that it is prohibited to use sealing systems such as hemp or PTFE, or to use additional sealants. When shut-off valves or caps are fitted to the BASIC series manifolds, the best solution is always to use IVAR components with the same sealing technology – soft seal with o-ring.
If it is necessary to make a connection to a threaded component without soft seal technology, the use of hemp is still prohibited; it is recommended instead to use PTFE tape or a thread sealing cord (e.g. Loctite® 55), of which the appropriate quantity should be used, applying a **maximum tightening torque of between 15 and 20 Nm** with a tool.
The manifolds are nickel plated on the exterior only, and therefore remain yellow on the inside, ensuring conformity for conveying drinking water.
Available in 3/4" size, as well as branches with external thread of 1/2" or M24x1.5, and 2, 3 or 4 outlets.
In addition to the simple manifold, there are models with ways that can be shut off independently, offered with 30° angled valves to facilitate control of operations. The valve knobs can be fitted with a red or blue cap (both included on models CI 370 NT) or a reversible red/blue tab to indicate the connected terminal (supplied with models CI 370 N).

Materials
Brass parts: CW617N nickel-plated on exterior only
Sealing elements: peroxide EPDM

Technical specifications
Max. fluid temp. inside manifold: 120 °C (series CS 368 N);
100 °C (series CI 370 N / CI 370 NT)
Maximum operating pressure: 10 bar
Outlet interaxis: 35 mm





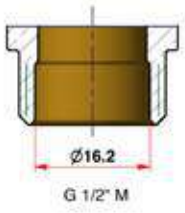
O-RING FOR SOFT SEAL: no additional sealant such as hemp or Teflon required.

AUTOMATIC ALIGNMENT BY HAND THANKS TO OFFSET THREADS. NO tightening tool is required.



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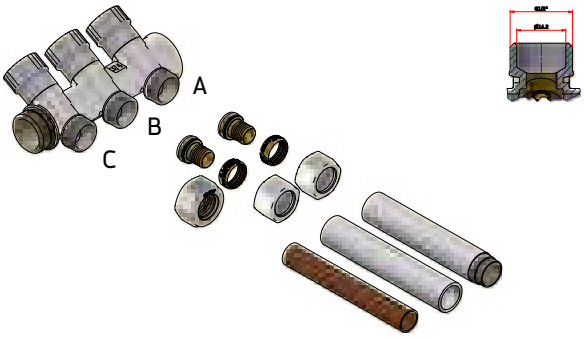
BASIC series manifolds with 1/2" M and M24x1,5 connections and suitable fittings

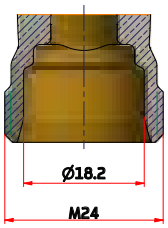


A) TA 420 P

B) TP 410 P

C) TR 430 P

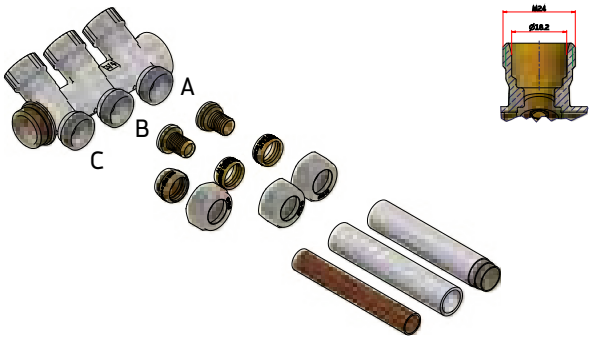




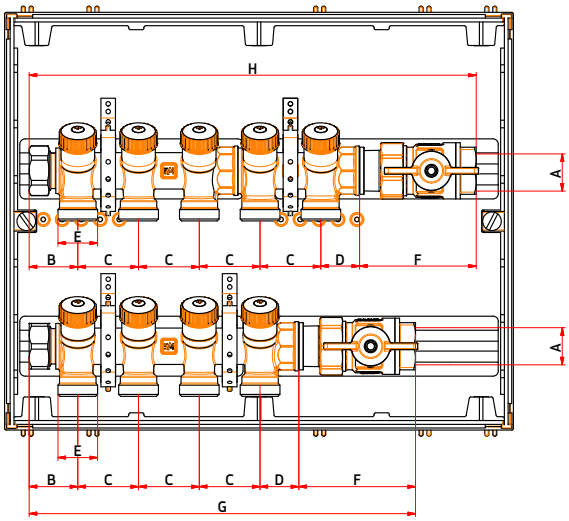
A) TA 420

B) TP 410

C) TR 430

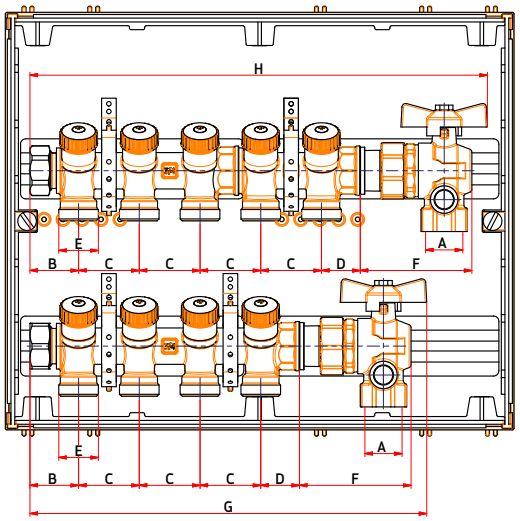


MANIFOLDS DIMENSIONS +



A	B	C	D	E	F	G	H
G 3/4" F	29,5 mm	35 mm	23 mm	1/2" M M24x1,5	77 mm	234,5 mm	269,5 mm

MANIFOLDS DIMENSIONS +



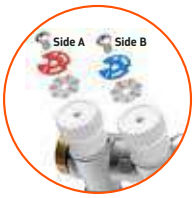
A	B	C	D	E	F	G	H
G 3/4" F	29,5 mm	35 mm	23 mm	1/2" M M24x1,5	73,5 mm	231 mm	266 mm

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CI 370 N



- **Collettore componibile serie BASIC (interasse 35 mm) con valvole di intercettazione a manovra manuale, piastrina reversibile (calda/fredda) con indicazione del terminale di erogazione e attacchi inclinati a 30 °.**
- *Modular manifold BASIC series (centre-to-centre distance 35 mm) with manually operated isolation valves, reversible plate (hot/cold) showing the element connected to the corresponding outtake and 30 ° inclined connections.*
- **Collecteur à éléments série BASIC (empattement 35 mm) avec des vannes d´interception à manoeuvre manuelle, plaque réversible (chaud / froid) avec indication du terminal de distribution et embouts inclinés à 30 °.**
- *Einbauverteiler Serie BASIC (Radstand 35 mm) mit Absperbarenventile mit manueller Hebel, reversible Platte (warm / kalt) mit Angabe des Ausgabe-Terminal und bei 30 ° geneigt Anschlüßen.*
- **Colector componible serie BASIC (distancia entre ejes 35 mm) con válvulas de cierre con cabeza manual, placa reversible (fría / caliente) con indicación de la terminal de dispensación y conexiones inclinadas en 30 °.**



Code	Ways	Size	OC distance	Color	Price	Class	Packaging
506838N	2	3/4" x 1/2" M	35 mm	or (reversible)	20,85 €	NG	30
506839N	3	3/4" x 1/2" M	35 mm	or (reversible)	30,43 €	NG	25
506840N	4	3/4" x 1/2" M	35 mm	or (reversible)	39,56 €	NG	20
506835N	2	3/4" x M24x1,5	35 mm	or (reversible)	20,85 €	NG	30
506836N	3	3/4" x M24x1,5	35 mm	or (reversible)	30,43 €	NG	25
506837N	4	3/4" x M24x1,5	35 mm	or (reversible)	39,56 €	NG	20

CI 370 NT



- **Collettore componibile serie BASIC (interasse 35 mm) con valvole di intercettazione a manovra manuale e attacchi inclinati a 30 °, senza indicazione del terminale di erogazione.**
- *Modular manifold BASIC series (centre-to-centre distance 35 mm) with manually operated isolation valves and 30 ° inclined connections, without indication of the element connected to the corresponding outtake.*
- **Collecteur à éléments série BASIC (empattement 35 mm) avec des vannes d´interception à manoeuvre manuelle et embouts inclinés à 30 °, sans indication du terminal de distribution.**
- *Einbauverteiler Serie BASIC (Radstand 35 mm) mit Absperbarenventile mit manueller Hebel und bei 30 ° geneigt Anschlüssen, ohne Angabe des Ausgabe-Terminal.*
- **Colector componible serie BASIC (distancia entre ejes 35 mm) con válvulas de cierre con cabeza manual y conexiones inclinadas en 30 °, sin indicación de la terminal de dispensación.**

Code	Ways	Size	OC distance	Color	Price	Class	Packaging
506838NT	2	3/4" x 1/2" M	35 mm	or	20,06 €	NG	30
506839NT	3	3/4" x 1/2" M	35 mm	or	29,64 €	NG	25
506840NT	4	3/4" x 1/2" M	35 mm	or	37,90 €	NG	20

CS 368 N



- **Collettore componibile semplice serie BASIC (interasse 35 mm).**
- *Modular plain manifold BASIC series (centre-to-centre distance 35 mm).*
- **Collecteur simple à éléments série BASIC (empattement 35 mm).**
- *Einbauverteiler Serie BASIC (Radstand 35 mm).*
- **Colector componible simple serie BASIC (distancia entre ejes 35 mm).**

Code	Ways	Size	OC distance	Price	Class	Packaging
506850N	2	3/4" x 1/2" M	35 mm	10,18 €	NG	80
506851N	3	3/4" x 1/2" M	35 mm	13,18 €	NG	54
506852N	4	3/4" x 1/2" M	35 mm	16,96 €	NG	40
506847N	2	3/4" x M24x1,5	35 mm	10,18 €	NG	80
506848N	3	3/4" x M24x1,5	35 mm	13,18 €	NG	54
506849N	4	3/4" x M24x1,5	35 mm	16,96 €	NG	40


• TA 420 P >> p. 53,128,429


• TP 410 P >> p. 53,128,429


• TR 430 P >>p. 53,128,429


• TA 420 >> p. 429


• TP 410 >> p. 429


• TR 430 >> p. 429

- **Per cassette, kit di fissaggio e raccordi vedere la sezione "Accessori e raccordi per collettori sanitari".**
- *For cabinets, fixing kits and fittings see the "Accessories and fittings for sanitary manifolds" section.*
- **Pour les cassettes, les kits de fixation et les raccords, voir la section «Accessoires et raccords pour collecteurs sanitaires».**
- *Für Kästen, Befestigungssätzen und Verbinder beachten Sie Abschnitt „Zubehör und Verbinder für Sanitärverteiler".*
- **Para cajas, kits de fijación y racores, consulte la sección "Accesorios y racores para colectores sanitarios".**

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ACCESSORIES FOR SANITARY MANIFOLDS

AC 850



- **Cassetta in plastica con fondo e kit di fissaggio per collettori complanari e componibili.**
- *Plastic cabinet with bottom and fastening kit for coplanar and modular manifolds.*
- **Cassette en plastique avec fond et kit de fixage pour collecteurs coplanaires et à éléments.**
- *Unterputz Verteilerschrank aus Kunststoff mit Boden und Fixierung-kit für komplanare und Einbau-Verteiler.*
- **Caja de plástico con fondo y kit de montaje para colectores coplanares y componibles.**

Code	Height	Width	Depth	Price	Class	Packaging
SAM-032	260 mm	320 mm	95 mm	33,01 €	NW	1 / 20
SAM-040	260 mm	400 mm	95 mm	36,49 €	NW	1 / 20
SAM-050	260 mm	500 mm	95 mm	40,53 €	NW	1 / 10
SAM-060	260 mm	600 mm	95 mm	46,32 €	NW	1 / 10

AC 851



- **Kit di fissaggio per collettori complanari e componibili in cassetta di plastica tipo AC 850.**
- *Kit for coplanar and modular manifolds fastening in plastic cabinet AC 850.*
- **Kit de fixage pour collecteurs coplanaires et à éléments dans la cassette en plastique AC 850.**
- *Fixierung-kit für komplanare und Einbau-Verteiler in Unterputz Verteilerschrank aus Kunststoff AC 850.*
- **Kit de montaje para colectores coplanares y componibles en caja de plástico tipo AC 850.**

Code	Manifolds type	Price	Class	Packaging
SAM-001	EASY•RADIANT / EASY•LOCK / BASIC series	14,77 €	NW	1

AC 852



- **Cassetta in plastica con fondo per collettori componibili e complanari (senza kit di fissaggio, da ordinare separatamente).**
- *Plastic cabinet with bottom for modular and coplanar manifolds (without fastening kit, to be ordered separately).*
- **Cassette en plastique avec fond pour collecteurs à éléments et coplanaires (sans kit de fixage, à commander séparément).**
- *Unterputz Verteilerschrank aus Kunststoff mit Boden für Einbau- und koplanare Verteiler (ohne Fixierung-kit, bitte bestellen getrennt).*
- **Caja de plástico con fondo para colectores componibles y coplanares (sin kit de montaje, para pedir separadamente).**

Code	Height	Width	Depth	Price	Class	Packaging
SAM-135	350 mm	350 mm	90 mm	42,92 €	NW	1
SAM-150	350 mm	500 mm	90 mm	54,34 €	NW	1
SAM-165	350 mm	650 mm	90 mm	71,83 €	NW	1
SAM-180	400 mm	800 mm	95 mm	97,87 €	NW	1

AC 853



- **Kit di fissaggio per collettori complanari e componibili in cassetta di plastica tipo AC 852.**
- *Kit for coplanar and modular manifolds fasteting in plastic cabinet AC 852.*
- **Kit de fixage pour collecteurs coplanaires et à éléments dans la cassette en plastique AC 852.**
- *Fixierung-kit für komplanare und Einbau-Verteiler in Unterputz Verteilerschrank aus Kunststoff AC 852.*
- **Kit de montaje para colectores coplanares y componibles en caja de plástico de tipo AC 852.**

Code	Manifolds type	Price	Class	Packaging
SAM-010	EASY•RADIANT / EASY•LOCK / BASIC series	8,09 €	NW	1 / 50

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AC 628



- **Staffa doppia per collettori componibili serie EASY-LOCK / BASIC / EASY-RADIANT.**
- *Double bracket for modular manifolds EASY-LOCK / BASIC / EASY-RADIANT series.*
- **Étrier double pour collecteurs à éléments de la série EASY-LOCK / BASIC / EASY-RADIANT.**
- *Doppelt Wandalterung für Einbauverteiler der Serie EASY-LOCK / BASIC / EASY-RADIANT.*
- **Soporte doble para colectores componibles de la serie EASY-LOCK / BASIC / EASY-RADIANT.**

Code	OC distance	Depth	Manifolds type	Price	Class	Packaging
501160P80	200 mm	80 mm	3/4" (EASY-LOCK / BASIC series)	7,54 €	NJ	2 / 40
501160	200 mm	95 mm	3/4" (EASY-LOCK / BASIC series)	7,54 €	NJ	2 / 40
501632	200 mm	80 mm	1" (EASY-LOCK / BASIC / EASY-RADIANT series)	8,07 €	NJ	2 / 70
501639	200 mm	95 mm	1" (EASY-LOCK / BASIC / EASY-RADIANT series)	7,54 €	NJ	2 / 70

AC 639



- **Staffa singola per collettori componibili serie EASY-LOCK / BASIC.**
- *Single bracket for modular manifolds EASY-LOCK / BASIC series.*
- **Étrier simple pour collecteurs à éléments de la série EASY-LOCK / BASIC.**
- *Einzel Wandalterung für Einbauverteiler der Serie EASY-LOCK / BASIC.*
- **Soporte simple para colectores componibles de la serie EASY-LOCK / BASIC.**

Code	Manifolds type	Price	Class	Packaging
502061	3/4" (EASY-LOCK / BASIC series)	3,978 €	NJ	2 / 150
501645	1" (EASY-LOCK / BASIC series)	3,978 €	NJ	2 / 150

AC 649



- **Staffa singola per collettori componibili serie EASY-LOCK / BASIC.**
- *Single bracket for modular manifolds EASY-LOCK / BASIC series.*
- **Étrier simple pour collecteurs à éléments de la série EASY-LOCK / BASIC.**
- *Einzel Wandalterung für Einbauverteiler der Serie EASY-LOCK / BASIC.*
- **Soporte simple para colectores componibles de la serie EASY-LOCK / BASIC.**

Code	Manifolds type	Price	Class	Packaging
501641	3/4" (EASY-LOCK / BASIC series)	4,497 €	NJ	2 / 70
501643	1" (EASY-LOCK / BASIC series)	4,497 €	NJ	2 / 70

MCC 04 B



- **Manopola per collettori componibili EASY LOCK con valvole di intercettazione a manovra manuale.**
- *Hand wheel for modular manifolds EASY LOCK series with manually operated isolation valves.*
- **Poignée pour collecteurs à éléments série EASY LOCK avec des vannes d´interception à manoeuvre manuelle.**
- *Griff für Einbouverteiler Serie EASY LOCK mit Absperbarenventile mit manueller Hebel.*
- **Mando para colectores componibles serie EASY LOCK con válvulas de cierre con cabeza manual.**

Code	Manifolds type	Color	Price	Class	Packaging
507351B	CI 490 NB - CI 400 NB		1,713 €	NG	50 / 400

MCC 04 R



- **Manopola per collettori componibili EASY LOCK con valvole di intercettazione a manovra manuale.**
- *Hand wheel for modular manifolds EASY LOCK series with manually operated isolation valves.*
- **Poignée pour collecteurs à éléments série EASY LOCK avec des vannes d´interception à manoeuvre manuelle.**
- *Griff für Einbouverteiler Serie EASY LOCK mit Absperbarenventile mit manueller Hebel.*
- **Mando para colectores componibles serie EASY LOCK con válvulas de cierre con cabeza manual.**

Code	Manifolds type	Color	Price	Class	Packaging
507351R	CI 490 NR - CI 400 NR		1,713 €	NG	50 / 400

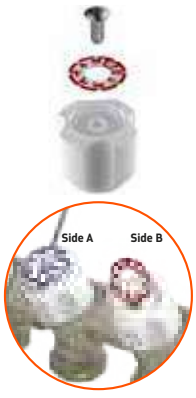
MCC 04 W



- **Manopola per collettori componibili EASY LOCK con valvole di intercettazione a manovra manuale.**
- *Hand wheel for modular manifolds EASY LOCK series with manually operated isolation valves.*
- **Poignée pour collecteurs à éléments série EASY LOCK avec des vannes d´interception à manoeuvre manuelle.**
- *Griff für Einbouverteiler Serie EASY LOCK mit Absperbarenventile mit manueller Hebel.*
- **Mando para colectores componibles serie EASY LOCK con válvulas de cierre con cabeza manual.**

Code	Manifolds type	Color	Price	Class	Packaging
507351W	CI 400 N - CI 490 NW		1,713 €	NG	50 / 400

MCC 05



- **Manopola reversibile per collettori componibili serie EASY LOCK con valvole di intercettazione a manovra manuale.**
- *Reversible hand wheel for modular manifolds EASY LOCK series with manually operated isolation valves.*
- **Poignée réversible pour collecteurs à éléments série EASY LOCK avec des vannes d´interception à manoeuvre manuelle.**
- *Reversibelgriff für Einbouverteiler Serie EASY LOCK mit Absperbarenventile mit manueller Hebel.*
- **Mando reversible para colectores componibles serie EASY LOCK con válvulas de cierre con cabeza manual.**

Code	Manifolds type	Color	Price	Class	Packaging
507139	CI 490 N - CI 390 N - CI 400 NBR - CI 350 N	or (reversible)	5,65 €	NG	20 / 80

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TA 4420



- **Raccordo EUROK per tubo multistrato e in polietilene.**
- *EUROK fitting for multilayer and polyethylene pipe.*
- **Raccord EUROK pour tube multicouches et en polyéthylène.**
- *EUROK-Verschraubung für Verbund- und für Polyäthylen-Rohr.*
- **Conexión EUROK para tubo multicapa y de polietileno.**

Code	Size	Color	Price	Class	Packaging
506061	EUROK x 12/1,8		3,893 €	JA	40 / 320
500683	EUROK x 14/2		3,893 €	JA	40 / 320
500400	EUROK x 15/1,5		4,012 €	JA	40 / 320
500684	EUROK x 16/2		3,893 €	JA	40 / 320
500579	EUROK x 16/2,25		3,893 €	JA	40 / 320
506040	EUROK x 16,2/2,6		3,893 €	JA	40 / 160
500012	EUROK x 17/2		4,169 €	JA	40 / 320
500685	EUROK x 18/2		4,169 €	JA	40 / 320
500754	EUROK x 18/2,5		4,169 €	JA	40 / 320
500914	EUROK x 20/2		4,348 €	JA	40 / 320
500009	EUROK x 20/2,25		4,575 €	JA	40 / 320
501010	EUROK x 20/2,5		4,348 €	JA	40 / 320
506295	EUROK x 20/2,9 (for multilayer pipe only)		5,94 €	JA	40 / 320

TP 4410



- **Raccordo EUROK per tubo in polietilene.**
- *EUROK fitting for polyethylene pipe.*
- **Raccord EUROK pour tube en polyéthylène.**
- *EUROK-Verschraubung für Polyäthylen-Rohr.*
- **Conexión EUROK para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
500590	EUROK x 12/1		3,673 €	JA	40 / 320
520041	EUROK x 12/2		3,673 €	JA	40 / 320
500679	EUROK x 14/2		3,593 €	JA	40 / 320
500148	EUROK x 15/1,7		3,893 €	JA	40 / 320
500769	EUROK x 15/2,5		3,737 €	JA	40 / 320
500591	EUROK x 16/1,5		3,51 €	JA	40 / 320
500680	EUROK x 16/2		3,51 €	JA	40 / 320
500681	EUROK x 16/2,2		3,51 €	JA	40 / 320
500682	EUROK x 17/2		3,737 €	JA	40 / 320
500145	EUROK x 18/1,8		3,737 €	JA	40 / 320
500650	EUROK x 18/2		4,169 €	JA	40 / 320
506020	EUROK x 18/2,5		3,737 €	JA	40 / 320
500651	EUROK x 20/2		4,169 €	JA	40 / 320
500649	EUROK x 20/2,8		4,025 €	JA	40 / 320
506200	EUROK x 20/3,4		4,025 €	JA	40 / 320
500753	EUROK x 21/2,5		4,528 €	JA	40 / 320

TR 4430



- **Raccordo EUROK per tubo rame ed acciaio dolce.**
- *EUROK fitting for copper and mild steel pipe.*
- **Raccord EUROK pour tube en cuivre et en acier doux.**
- *EUROK-Verschraubung für Kupferrohre und Weichstahlrohre.*
- **Conexión EUROK para tubo de cobre y acero dulce.**

Code	Size	Color	Price	Class	Packaging
500998	EUROK x 10/1		3,282 €	JA	40 / 320
500157	EUROK x 12/1		2,712 €	JA	40 / 320
500024	EUROK x 14/1		2,671 €	JA	40 / 320
500025	EUROK x 15/1		2,671 €	JA	40 / 320
500026	EUROK x 16/1		2,671 €	JA	40 / 320

TR 4430-18



- **Raccordo EUROK per tubo rame ed acciaio dolce.**
- *EUROK fitting for copper and mild steel pipe.*
- **Raccord EUROK pour tube en cuivre et en acier doux.**
- *EUROK-Verschraubung für Kupferrohre und Weichstahlrohre.*
- **Conexión EUROK para tubo de cobre y acero dulce.**

Code	Size	Color	Price	Class	Packaging
500417	EUROK x 18/1		4,30 €	JA	40 / 320

AC 601 K



- **Kit tappo femmina con adattatore per tenuta piatta.**
- *Female plug kit with adaptor for flat seal.*
- **Kit bouchon femelle avec adaptateur pour tenue plate.**
- *Verschluss Set mit Innengewinde und Flachdichtung Adapter.*
- **Kit tapón hembra con adaptador para junta plana.**

Code	Size	Accessories	Color	Price	Class	Packaging
506206	EUROK	2 gaskets		3,939 €	NJ	50 / 400
506206N	EUROK	2 gaskets		4,07 €	NJ	50 / 400

AC 601



- **Tappo femmina.**
- *Female plug.*
- **Bouchon femelle.**
- *IG Verschluss.*
- **Tapón hembra.**

Code	Size	Accessories	Color	Price	Class	Packaging
550016	1/2"	1 gasket		2,159 €	NJ	50 / 400
500022	3/4"	2 gaskets		2,397 €	NJ	100 / 400
500625	1"	1 gasket		4,141 €	NJ	35 / 280
550016N	1/2"	1 gasket		2,159 €	NJ	50 / 400
550090	3/4"	2 gaskets		2,48 €	NJ	100 / 400
500625N	1"	1 gasket		4,284 €	NJ	35 / 280
550089	M24x1,5	1 gasket		2,48 €	NJ	100 / 800

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TA 420 P



- **Raccordo 1/2" F per tubo multistrato e in polietilene.**
- *1/2" F fitting for multilayer and polyethylene pipe.*
- **Raccord 1/2" F pour tube multicouches et en polyéthylène.**
- *Verschraubung 1/2" IG für Verbund- und für Polyäthylen-Rohr.*
- **Conexión 1/2" F para tubo multicapa y de polietileno.**

Code	Size	Color	Price	Class	Packaging
506265	1/2" F x 14/2 (for multilayer pipe only)		3,138 €	JA	50 / 400
500759	1/2" F x 16/2		3,138 €	JA	40 / 320
506267	1/2" F x 16/2,25 (for multilayer pipe only)		3,138 €	JA	50 / 400

TA 420



- **Raccordo M24 per tubo multistrato e in polietilene.**
- *M24 fitting for multilayer and polyethylene pipe.*
- **Raccord M24 pour tube multicouches et en polyéthylène.**
- *M24-Verschraubung für Verbund- und für Polyäthylen-Rohr.*
- **Conexión M24 para tubo multicapa y de polietileno.**

Code	Size	Color	Price	Class	Packaging
501040	M24x1,5 x 14/2		3,221 €	JA	50 / 400
501028	M24x1,5 x 16/2		3,138 €	JA	50 / 400
501025	M24x1,5 x 16/2,2		3,221 €	JA	50 / 400
500049	M24x1,5 x 17,2/3		3,318 €	JA	50 / 400
501027	M24x1,5 x 18/2		3,318 €	JA	50 / 400
506215	M24x1,5 x 20/2		4,935 €	JA	40 / 320

TP 410 P



- **Raccordo 1/2" F per tubo in polietilene.**
- *1/2" F fitting for polyethylene pipe.*
- **Raccord 1/2" F pour tube en polyéthylène.**
- *Verschraubung 1/2" IG für Polyäthylen-Rohr.*
- **Conexión 1/2" F para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
506268	1/2" F x 12/1,1		3,138 €	JA	50 / 200
506269	1/2" F x 12/2		3,138 €	JA	50 / 200
506272	1/2" F x 15/2,5		3,138 €	JA	50 / 200
506273	1/2" F x 16/1,5		3,138 €	JA	50 / 200
506275	1/2" F x 16/2,2		3,138 €	JA	50 / 200

TP 410



- **Raccordo M24 per tubo in polietilene.**
- *M24 fitting for polyethylene pipe.*
- **Raccord M24 pour tube en polyéthylène.**
- *M24-Verschraubung für Polyäthylen-Rohr.*
- **Conexión M24 para tubo de polietileno.**

Code	Size	Color	Price	Class	Packaging
501056	M24x1,5 x 12/1		3,857 €	JA	50 / 400
501032	M24x1,5 x 14/2		3,731 €	JA	50 / 400
501022	M24x1,5 x 16/1,5		3,051 €	JA	50 / 400
501034	M24x1,5 x 16/2		2,911 €	JA	50 / 400
501035	M24x1,5 x 16/2,2		3,165 €	JA	50 / 400
501048	M24x1,5 x 17/2		3,051 €	JA	50 / 400
501037	M24x1,5 x 18/2		3,796 €	JA	50 / 400

TR 430 P



- **Raccordo 1/2" F a stringere per tubo rame ed acciaio dolce con bussola in NBR.**
- *1/2" F fitting for copper and mild steel pipe with NBR bushing.*
- **Raccord 1/2" F pour tube en cuivre et en acier doux avec douille en NBR.**
- *Verschraubung 1/2" IG für Kupferrohre und Weichstahlrohre mit Hülsen aus NBR.*
- **Conexión 1/2" F para tubo de cobre y acero dulce con buje en NBR.**

Code	Size	Color	Price	Class	Packaging
506260	1/2" F x 10/1		2,659 €	JA	50 / 400
506261	1/2" F x 12/1		2,659 €	JA	50 / 400
506262	1/2" F x 14/1		2,659 €	JA	50 / 400
506263	1/2" F x 15/1		2,935 €	JA	50 / 400
506264	1/2" F x 16/1		2,935 €	JA	50 / 400

TR 430



- **Raccordo M24 per tubo rame ed acciaio dolce.**
- *M24 fitting for copper and mild steel pipe.*
- **Raccord M24 pour tube en cuivre et en acier doux.**
- *M24-Verschraubung für Kupferrohre und Weichstahlrohre.*
- **Conexión M24 para tubo de cobre y acero dulce.**

Code	Size	Color	Price	Class	Packaging
500938	M24x1,5 x 10/1		3,007 €	JA	50 / 400
500141	M24x1,5 x 12/1		2,599 €	JA	50 / 400
500014	M24x1,5 x 14/1		2,479 €	JA	50 / 400
500007	M24x1,5 x 15/1		2,479 €	JA	50 / 400
500016	M24x1,5 x 16/1		2,479 €	JA	50 / 400

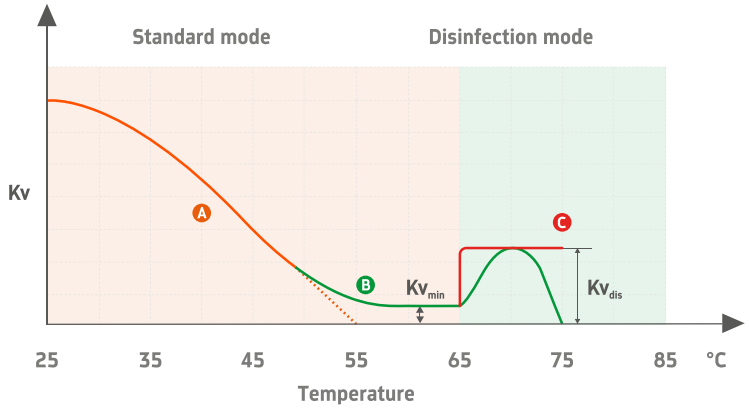
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RTV

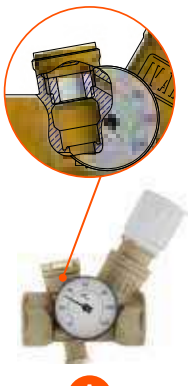
RTV is an automatic proportional valve with thermostatic insert which controls the return temperature in the circulation circuits, using an injection system to limit flow rates along the pipelines and therefore also heat dispersion. In this way the maximum comfort is ensured for system users, who will always have hot water at the right temperature.
The thermostat controller, installed on all circuit branches, automatically keeps the system temperature constant and ensures balancing when required.

PLUS

- **Wide temperature regulation range 35 °C – 60 °C**
- **Reduction of heat dispersion thanks to limitation of maximum flow rate in circuit branches.**
- **Available in sizes DN 15-20 with 1/2" F - 3/4" F connections in the 3 variants A - B - C**
- **An anti-legionella cycle with mechanical or electronically controlled bypass can also be included**

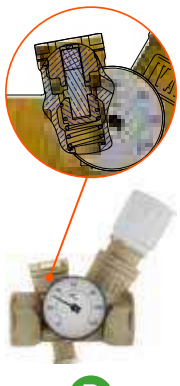


Segment A on the graph indicates the decrease of the Kv (therefore the flow rate) as the temperature of the recirculating water increases.
Segment B (up to 65°C) shows the minimum recirculation flow rate, which is always present.
Finally, between 65 - 75°C there is the disinfection zone (anti-legionella treatment) with mechanical (green line) or automatic (red line) activation.



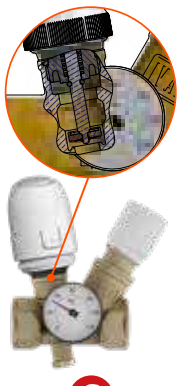
A

Temperature control only



B

Temperature control and mechanical bypass for heat disinfection



C

Temperature control and electronic bypass management for heat disinfection

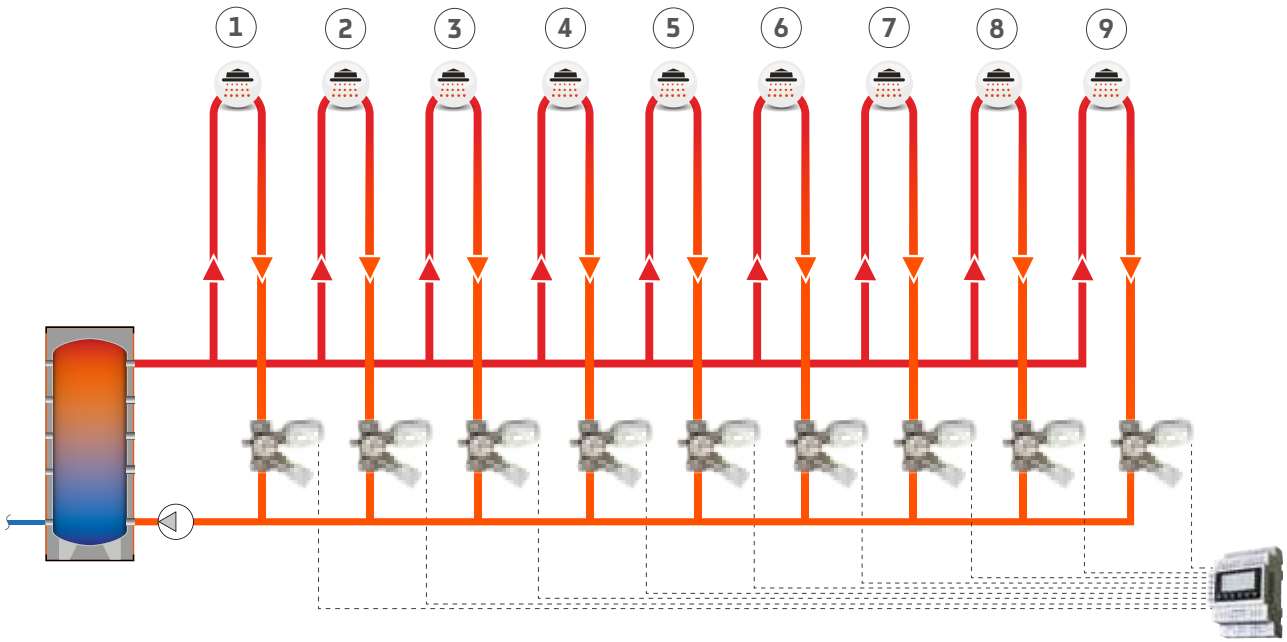
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Legio•Hub is the **controller** which lets you manage up to nine RTV-C valves installed on the return of the DHW recirculation risers, **managing the thermal disinfection cycles and thermal shocks**, where applicable, in order to **prevent proliferation of Legionella**.
The disinfection cycles may be enabled in accordance with **three different operating programs**:

- once daily in accordance with Italian national guidelines;
- with a specific frequency according to disinfection temperature/duration tables;
- user settable.

In a similar manner, thermal shocks involve the entire riser being brought to a temperature exceeding 70 °C for at least 30 minutes. This procedure is repeated for three consecutive days.
During the activation of the disinfection or thermal shock cycles, the controller opens the bypass of the RTV-C valves by operating on the electrothermic heads, aiming to keep the riser above the temperature required by the cycle.
In the event that a cycle were to fail on one or more risers, for example because the system has not managed to reach the required temperature for various reasons, the cycle will be repeated only on the risers which failed to reach it.
The controller also features alarm warning screens and the ability to enable datalogging to monitor the temperature trends over time.
Legio•Hub is supplied with two temperature sensors for the management of two RTV-C valves, but is **able to manage up to nine valves by adding an appropriate number of sensors**.
It is also possible to install an optional touchscreen to increase the usability of the controller.
N.B.: the controller does not manage the temperature of the generator, which must be set to a temperature sufficient to meet the disinfection requirements.

RTV-C reduces the flow rate as the fluid temperature increases. It also allows the thermal disinfection bypass to be opened at the disinfection temperature set on the Legio•Hub.



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RTV A



- **Valvola termostatica per il controllo della temperatura dei rami di ricircolo sanitario, con/senza coibentazione termica.**
- *Thermostatic valve for temperature control of sanitary recirculation circuits, with/without thermal insulation.*
- **Robinet thermostatique pour le contrôle de la température des circuits de recirculation sanitaire, avec/sans isolation thermique.**
- *Thermostatventil für die Temperaturregelung der Brauchwasserrückführungskreisläufe, mit/ohne Wärmedämmung.*
- **Válvula termostática para el control de la temperatura de los circuitos de recirculación de agua doméstica, con/sin aislamiento térmico.**

Code	Size	Range	Insulation	Price	Class	Packaging
506187	1/2" F	35 – 60 °C	-	131,77 €	OD	1 / 22
507036	3/4" F	35 – 60 °C	-	131,77 €	OD	1 / 22
506187I	1/2" F	35 – 60 °C	✓	148,98 €	OD	1 / 12
507036I	3/4" F	35 – 60 °C	✓	148,98 €	OD	1 / 12

RTV B



- **Valvola termostatica per il controllo della temperatura dei rami di ricircolo sanitario con bypass meccanico per la disinfezione termica degli impianti idrosanitari, con/senza coibentazione termica.**
- *Thermostatic valve for temperature control of sanitary recirculation circuits with mechanical bypass for thermal disinfection of sanitary systems, with/without thermal insulation.*
- **Robinet thermostatique pour le contrôle de la température des circuits de recirculation sanitaire avec bypass mécanique pour la désinfection thermique des systèmes sanitaires, avec/sans isolation thermique.**
- *Thermostatventil für die Temperaturregelung der Brauchwasserrückführungskreisläufe mit mechanischem Bypass zur thermischen Desinfektion von Sanitäranlagen, mit/ohne Wärmedämmung.*
- **Válvula termostática para el control de la temperatura de los circuitos de recirculación de agua doméstica con bypass mecánico para la desinfección térmica de sistemas sanitarios, con/sin aislamiento térmico.**

Code	Size	Range	Insulation	Price	Class	Packaging
506188	1/2" F	35 – 60 °C	-	161,51 €	OD	1 / 22
507037	3/4" F	35 – 60 °C	-	161,51 €	OD	1 / 22
506188I	1/2" F	35 – 60 °C	✓	178,71 €	OD	1 / 12
507037I	3/4" F	35 – 60 °C	✓	178,71 €	OD	1 / 12

RTV C



- **Valvola termostatica per il controllo della temperatura dei rami di ricircolo sanitario con bypass a controllo elettronico per la disinfezione termica degli impianti idrosanitari, con/senza coibentazione termica (testa elettrotermica non inclusa).**
- *Thermostatic valve for temperature control of sanitary recirculation circuits with electronically controlled bypass for thermal disinfection of sanitary systems, with/without thermal insulation (electrothermal head not included).*
- **Robinet thermostatique pour le contrôle de la température des circuits de recirculation sanitaire avec bypass à commande électronique pour la désinfection thermique des systèmes sanitaires, avec/sans isolation thermique (tête électrothermique non incluse).**
- *Thermostatventil für die Temperaturregelung der Brauchwasserrückführungskreisläufe mit elektronischem gesteuertem Bypass zur thermischen Desinfektion von Sanitäranlagen, mit/ohne Wärmedämmung (Elektrothermischer Stellantriebe nicht enthalten).*
- **Válvula termostática para el control de la temperatura de los circuitos de recirculación de agua doméstica con bypass controlado electrónicamente para la desinfección térmica de sistemas sanitarios, con/sin aislamiento térmico (cabeza electrotérmica no incluida).**

Code	Size	Range	Insulation	Price	Class	Packaging
506189	1/2" F	35 – 60 °C	-	161,51 €	OD	1 / 22
507038	3/4" F	35 – 60 °C	-	161,51 €	OD	1 / 22
506189I	1/2" F	35 – 60 °C	✓	178,71 €	OD	1 / 12
507038I	3/4" F	35 – 60 °C	✓	178,71 €	OD	1 / 12



• >>p. 220,360,396,467,478

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LEGIO-HUB



- **Modulo base di gestione dei cicli antilegionella con schermo integrato, kit morsetti e sonda di temperatura. Compatibile con RTV C.**
- *Basic module for antilegionella cycles management with built-in screen, clamp kit and temperature probe. Suitable for RTV C.*
- **Module de base pour la gestion des cycles anti-Légionelle avec écran intégré, kit de bornes et sonde de température. Adaptée pour RTV C.**
- *Grundmodul für die Verwaltung der Antilegionellen-Zyklen mit integriertem Schirm, Klemmensatz und Temperaturfühler. Geeignet für RTV C.*
- **Módulo base para la gestión de los ciclos antilegionella con pantalla incorporada, kit de bornes y sonda de temperatura. Adecuada para RTV C.**

Code	Size	Module	Price	Class	Packaging
CRTV01	12-24 V AC	≤ 9 RTV C	1.418,43 €	OD	1

CRTV 02



- **Coibentazione termica per valvola RTV.**
- *Thermal insulation for RTV valve.*
- **Isolation thermique pour robinet RTV.**
- *Wärmedämmung für RTV-Ventil.*
- **Aislamiento térmico para válvula RTV.**

Code	Price	Class	Packaging
506190	17,21 €	OD	1 / 12

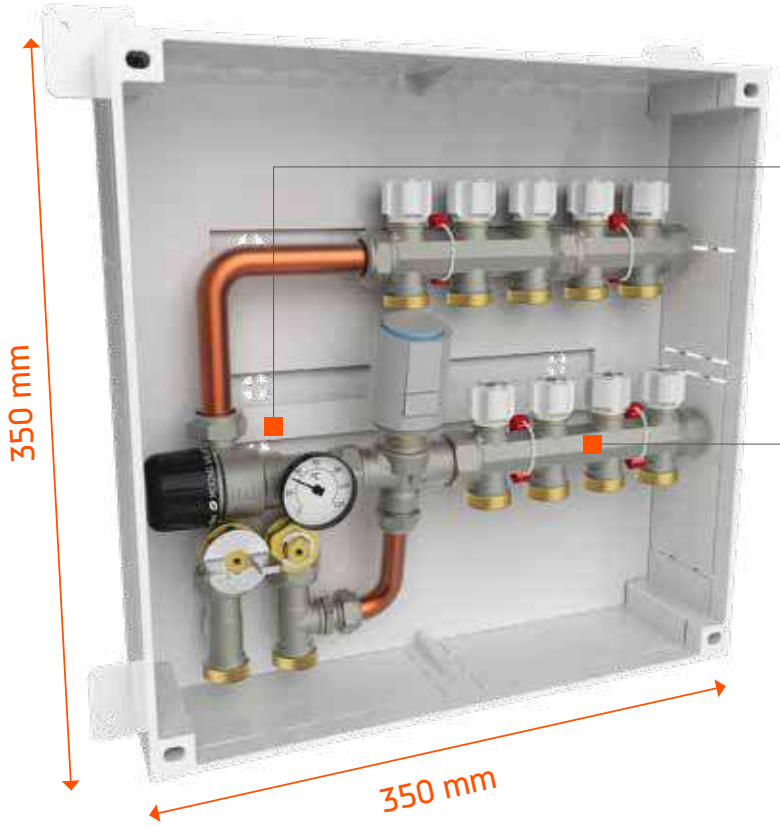
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LEGIO•BOX

LEGIO-BOX is a device designed to provide comfort and safety for domestic water distribution.
During supply to the terminals, LEGIO-BOX controls the distribution of cold and hot water (Fig. B), whose temperature it regulates through the thermostatic mixer MT 05. This is an anti-scald thermostatic mixer, with adjustable temperature between 36°C and 50°C, which guarantees a very high level of operating performance. If the temperature or water pressure changes suddenly, the MT 05 reacts immediately, ensuring people's safety by preventing them from being scalded.
During the programmed thermal disinfection, the thermostatic mixer is bypassed by an electronic control sent to the thermoelectric head (Fig. A). This way, by opening the taps of the different end components, the water will arrive at high temperature to carry out the thermal disinfection of the system.

Materials
Brass parts: CW617N
Sealing elements: peroxide EPDM

Technical specifications
Max. fluid temperature inside manifold: 90 °C
Maximum operating pressure: 10 bar
Max pressure differential at the ends of the zone valve: 1 bar

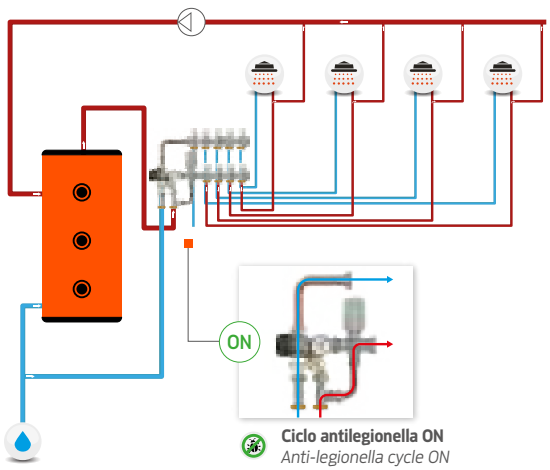


DOMESTIC WATER DISTRIBUTION, ANTI-SCALD THERMOSTATIC CONTROL AND THERMAL DISINFECTION in one compact and versatile product.

Available both in the complete version with domestic water manifolds and the box, or with just the device and the box.

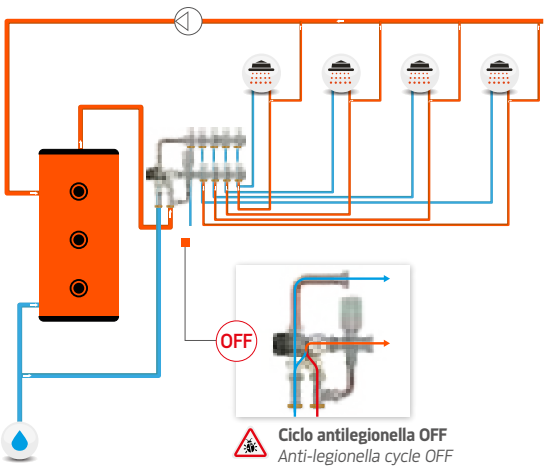
Upon request, the anti-legionella cycle management control electronics are available.

Fig. A



Ciclo antilegionella ON
Anti-legionella cycle ON

Fig. B



Ciclo antilegionella OFF
Anti-legionella cycle OFF

Ricircolo ON (opzionale)
Recirculation ON (optional)

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LEGIO-BOX 1



- **Sistema multifunzione con/senza testa elettrotermica per il controllo della temperatura e disinfezione termica per impianti sanitari, completo di collettori, cassetta e kit di fissaggio.**
- *Multifunction temperature control and thermal disinfection system with/without electrothermal head for sanitary systems, complete with manifolds, box and fastening kit.*
- **Système multifonctions avec/sans tête électrothermique pour le contrôle de la température et la désinfection thermique des systèmes sanitaires, complet avec collecteurs, cassette et kit de fixage.**
- *Multifunktionssystem mit/ohne Elektrothermischer Stellantriebe zur Temperaturkontrolle und thermischen Desinfektion der Leitungen, komplett mit Verteiler, Schrank und Fixierung-kit.*
- **Sistema multifunción con/sin cabeza electrotérmico para el control de la temperatura y desinfección térmica para instalaciones sanitarias, completo con coletores, caja y kit de fijación.**

Code	Cabinet	Hot / Cold ways	Size	Head	Price	Class	Packaging
507039	✓	2 HOT / 3 COLD	3/4"	✓	523,18 €	OE	1
507040	✓	2 HOT / 3 COLD	3/4"	-	483,56 €	OE	1
507041	✓	3 HOT / 4 COLD	3/4"	✓	537,13 €	OE	1
507042	✓	3 HOT / 4 COLD	3/4"	-	497,52 €	OE	1
507043	✓	4 HOT / 5 COLD	3/4"	✓	557,46 €	OE	1
507044	✓	4 HOT / 5 COLD	3/4"	-	517,86 €	OE	1

LEGIO-BOX 2



- **Sistema multifunzione con/senza testa elettrotermica per il controllo della temperatura e disinfezione termica per impianti idrosanitari, completo di cassetta e kit di fissaggio per collettori.**
- *Multifunction temperature control and thermal disinfection system with/without electrothermal head for sanitary systems, complete with box and fastening kit for manifolds.*
- **Système multifonctions avec/sans tête électrothermique pour le contrôle de la température et la désinfection thermique des systèmes sanitaires, complet avec cassette et kit de fixage pour collecteurs.**
- *Multifunktionssystem mit/ohne Elektrothermischer Stellantriebe zur Temperaturkontrolle und thermischen Desinfektion der Leitungen, komplett mit Schrank und Fixierung-kit fÜr Verteiler.*
- **Sistema multifunción con/sin cabeza electrotérmico para el control de la temperatura y desinfección térmica para instalaciones sanitarias, completo con caja y kit de montaje para los colectores.**

Code	Cabinet	Size	Head	Price	Class	Packaging
507045	✓	3/4"	✓	475,49 €	OE	1
507046	✓	3/4"	-	435,87 €	OE	1

LEGIO-BOX 3



- **Sistema multifunzione con/senza testa elettrotermica per il controllo della temperatura e disinfezione termica per impianti sanitari.**
- *Multifunction temperature control and thermal disinfection system with/without electrothermal head for sanitary systems.*
- **Système multifonctions avec/sans tête électrothermique pour le contrôle de la température et la désinfection thermique des systèmes sanitaires.**
- *Multifunktionssystem mit/ohne Elektrothermischer Stellantriebe zur Temperaturkontrolle und thermischen Desinfektion der Leitungen.*
- **Sistema multifunción con / sin cabeza electrotérmico para el control de la temperatura y desinfección térmica para instalaciones sanitarias.**

Code	Size	Head	Price	Class	Packaging
507047	3/4"	✓	418,99 €	OE	1
507048	3/4"	-	391,93 €	OE	1

IKLE01



- **Modulo base di gestione dei cicli antilegionella con schermo integrato, kit morsetti e sonda di temperatura.**
- *Basic module for antilegionella cycles management with built-in screen, clamp kit and temperature probe.*
- **Module de base pour la gestion des cycles anti-Légionelle avec écran intégré, kit de bornes et sonde de température.**
- *Grundmodul für die Verwaltung der Antilegionellen-Zyklen mit integriertem Schirm, Klemmensatz und Temperaturfühler.*
- **Módulo base para la gestión de los ciclos antilegionella con pantalla incorporada, kit de bornes y sonda de temperatura.**

Code	Size	Price	Class	Packaging
IKLE01	12-24 V AC	1.050,14 €	OE	1

IKGE01



- **Sonda opzionale.**
- *Optional probe.*
- **Sonde optionnelle.**
- *Optionale Fühler.*
- **Sonda opcional.**

Code	Range	Length	Price	Class	Packaging
IKGE01	-40 / 110 °C	1.50 m	On request	OE	1

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THERMOSTATIC BLENDERS

Thermostatic mixers are used mainly in domestic water systems to mix hot and cold water and keep the outlet water at a constant temperature. For this reason, the device is used for several applications:

① as a delivery point mixer to cool the domestic hot water temperature

② as a temperature limiter downstream from electric storage water heaters

③ as a mixer for tanks where the hot water storage temperature may vary over time

The thermostatic mixer can also be considered a safety device because of its anti-scald function. In fact, if there is no cold water in the inlet, the device reacts by closing the hot water inlet instantly and avoiding scalding hazards for users. This feature makes the device particularly suitable in facilities such as hospitals, kindergartens or schools where the people, such as children and the elderly, are most at risk and where there are accumulations of domestic hot water subject to cycles of thermal disinfection (over 65° C) against the hazards of legionella.

CERTIFICATION

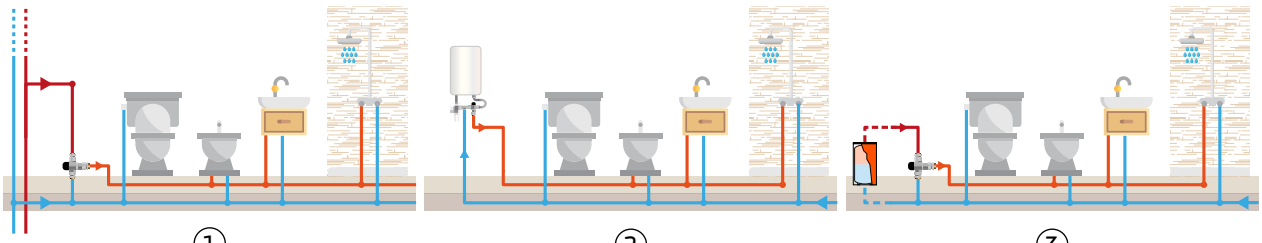
IVAR is one of three companies in the world that has received the prestigious French NF mark of approval (NF 079 doc. 08) from the CSTB thermostatic mixer certification laboratory for its MT 00 and MT 05 mixers. For example, this standard provides for an anti-scald device at the maximum adjusted temperature.

Materials

Body: brass CW617N
Parts in rubber: EPDM
Spring: stainless steel
Shutter: Ultem + silicon
Control cap or knob: ABS

Technical specifications

Max. static operating pressure: 10 bar
Max. temperature on inlets: 90 °C (NF, HT); 110 °C (SOL)
Min temperature difference between hot inlet and cold inlet to ensure anti-scalding function (NF, SOL): 15 °C



① ② ③

PLUS

- **Maximum comfort thanks to constant temperature**
- **Including inlet check valves**
- **Anti-scald safety device:** if there is no cold water the valve closes automatically avoiding the scalding of users
- **Recommended where there are DHW storage tanks where the accumulated water may undergo thermal shocks from an anti-legionella cycle**

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MT

NF certified anti-scald line
(**black cap/knob**)

50 °C / 36-50 °C - Max 90 °C

- Delivery temperature control
- Fixed or adjustable calibration



MT SOL

Solar anti-scald line
(**orange cap/knob**)

50 °C / 36-50 °C - Max 120 °C

- For solar applications
- Delivery temperature control
- Fixed or adjustable calibration



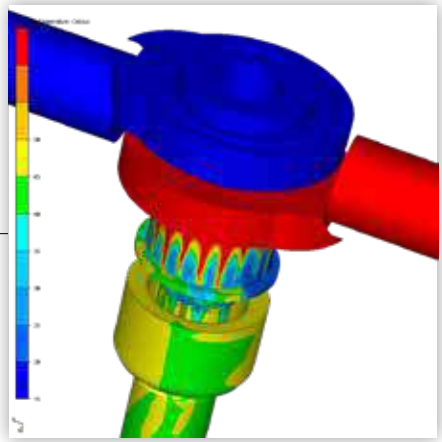
MT HT

High temperature line
(**green cap/knob**)

63 °C / 50-63 °C - Max 90 °C

- High temperature
- Delivery temperature control
- Fixed or adjustable calibration





Wax expansion thermostat that expands and contracts according to the perceived temperature

The device is able to react to changes in the flow rate, inlet temperature (hot and/or cold water), inlet pressure and keep the temperature of the water delivered to users constant.

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MT 00



- **Miscelatore termostatico a taratura fissa completo di bocchettoni con valvola di non ritorno agli ingressi (temperatura max. ingresso: 90 °C).**
- *Thermostatic blender with fixed setting complete with fittings with non-return valve at the inlets (max. intake temperature: 90 °C).*
- **Limiteur de température à étalonnage fixe complet avec raccords avec clapet anti-retour aux entrées (température d'entrée max. : 90 °C).**
- *Thermostat-Mischer mit fester Eichung komplett mit Anschlüssen mit Rückschlagventil an den Eingängen (max. Einlauftemperatur: 90 °C).*
- **Mezclador termostático a valor fijo completo con manguitos con válvula de retención en las entradas (temperatura máx. de entrada: 90 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507020	1/2" M	50 (+0/-3) °C	■	87,02 €	QA	1 / 22
507030	3/4" M	50 (+0/-3) °C	■	99,53 €	QA	1 / 22

MT 05



- **Miscelatore termostatico regolabile completo di bocchettoni con valvola di non ritorno agli ingressi (temperatura max. ingresso: 90 °C).**
- *Adjustable thermostatic blender complete with fittings with non-return valve at the inlets (max. intake temperature: 90 °C).*
- **Limiteur de température réglable complet avec raccords avec clapet anti-retour aux entrées (température d'entrée max. : 90 °C).**
- *Einstellbarer Thermostat-Mischer komplett mit Anschlüssen mit Rückschlagventil an den Eingängen (max. Einlauftemperatur: 90 °C).*
- **Mezclador termostático ajustable completo con manguitos con válvula de retención en las entradas (temperatura máx. de entrada: 90 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507025	1/2" M	36-50 °C	■	87,02 €	QA	1 / 22
507035	3/4" M	36-50 °C	■	99,53 €	QA	1 / 22

MT 00 SOL



- **Miscelatore termostatico a taratura fissa per applicazioni solari completo di bocchettoni con valvola di non ritorno agli ingressi (temperatura max. ingresso: 110 °C).**
- *Thermostatic blender with fixed setting for solar applications complete with fittings with non-return valve at the inlets (max. intake temperature: 110 °C).*
- **Limiteur de température à étalonnage fixe pour des applications solaires complet avec raccords avec clapet anti-retour aux entrées (température d'entrée max. : 110 °C).**
- *Thermostat-Mischer mit fester Eichung für Solaranwendungen komplett mit Anschlüssen mit Rückschlagventil an den Eingängen (max. Einlauftemperatur: 110 °C).*
- **Mezclador termostático a valor fijo para aplicaciones solares completo con manguitos con válvula de retención en las entradas (temperatura máx. de entrada: 110 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507020SOL	1/2" M	50 (+0/-3) °C	■	104,82 €	QA	1 / 22
507030SOL	3/4" M	50 (+0/-3) °C	■	114,42 €	QA	1 / 22

MT 05 SOL



- **Miscelatore termostatico regolabile per applicazioni solari completo di bocchettoni con valvola di non ritorno agli ingressi (temperatura max. ingresso: 110 °C).**
- *Adjustable thermostatic blender for solar applications complete with fittings with non-return valve at the inlets (max. intake temperature: 110 °C).*
- **Limiteur de température réglable pour des applications solaires complet avec raccords avec clapet anti-retour aux entrées (température d'entrée max. : 110 °C).**
- *Einstellbarer Thermostat-Mischer für Solaranwendungen komplett mit Anschlüssen mit Rückschlagventil an den Eingängen (max. Einlauftemperatur: 110 °C).*
- **Mezclador termostático ajustable para aplicaciones solares completo con manguitos con válvula de retención en las entradas (temperatura máx. de entrada: 110 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507025SOL	1/2" M	36-50 °C	■	104,82 €	QA	1 / 22
507035SOL	3/4" M	36-50 °C	■	114,42 €	QA	1 / 22

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MT 00 HT



- **Miscelatore termostatico a taratura fissa ad alta temperatura completo di bocchettoni con valvola di non ritorno agli ingressi (temperatura max. ingresso: 90 °C).**
- *High temperature thermostatic blender with fixed setting complete with fittings with non-return valve at the inlets (max. intake temperature: 90 °C).*
- **Limiteur de température à haute température à étalonnage fixe complet avec raccords avec clapet anti-retour aux entrées (température d'entrée max. : 90 °C).**
- *Thermostat-Mischer Hochtemperatur mit fester Eichung komplett mit Anschlüssen mit Rückschlagventil an den Eingängen (max. Einlauftemperatur: 90 °C).*
- **Mezclador termostático a valor fijo a alta temperatura completo con manguitos con válvula de retención en las entradas (temperatura máx. de entrada: 90 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507070	1/2" M	63 (+0/-3) °C		90,48 €	QA	1 / 22
507080	3/4" M	63 (+0/-3) °C		103,01 €	QA	1 / 22

MT 05 HT



- **Miscelatore termostatico regolabile ad alta temperatura completo di bocchettoni con valvola di non ritorno agli ingressi (temperatura max. ingresso: 90 °C).**
- *Adjustable high temperature thermostatic blender complete with fittings with non-return valve at the inlets (max. intake temperature: 90 °C).*
- **Limiteur de température réglable à haute température complet avec raccords avec clapet anti-retour aux entrées (température d'entrée max. : 90 °C).**
- *Einstellbarer Thermostat-Mischer Hochtemperatur komplett mit Anschlüssen mit Rückschlagventil an den Eingängen (max. Einlauftemperatur: 90 °C).*
- **Mezclador termostático ajustable a alta temperatura completo con manguitos con válvula de retención en las entradas (temperatura máx. de entrada: 90 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507075	1/2" M	50-63 °C		90,48 €	QA	1 / 22
507085	3/4" M	50-63 °C		103,01 €	QA	1 / 22

AMT 01



- **Bocchettone a tenuta morbida con/senza valvola di non ritorno anti-inquinamento per miscelatore termostatico.**
- *Soft-seal pipe fitting with/without anti-pollution non return valve for thermostatic blender.*
- **Goulotte à étanchéité souple avec/sans clapet anti-retour antipollution pour limiteur de température.**
- *Stutzen mit weicher Dichtung mit/ohne nicht-verschmutzendes Rückschlagventil für Thermostat-Mischer.*
- **Manguito de unión con junta blanda con/sin válvula de no retorno anti-contaminación para mezclador termostático.**

Code	Size	Non return valve	Price	Class	Packaging
501669	1/2" M	-	5,13 €	QA	75 / 300
501902	3/4" M	-	5,49 €	QA	50 / 200
500499	1/2" M	✓	6,73 €	QA	75 / 300
501903	3/4" M	✓	7,25 €	QA	50 / 200

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Thermostatic mixers are devices which mix the incoming hot and cold water so as to **keep the outlet temperature constant even with changes in inlet pressure, temperature and flow rate**.
These devices can be **used for DHW applications, or for heating applications** to control the flow temperature to the terminal devices.
This range features a larger main device body and is available in numerous variants:

- with DN15-DN20-DN25 female fittings
- with 1/2", 3/4" or 1" unions, with or without check valve
- with special connections such as union with press fitting terminal for copper pipe, or union with end-feed terminal for copper pipe (once again with or without check valve)

The range is further diversified by the regulation range and application. The thermostatic mixers are available:

□ with regulation range of 35-55 °C and maximum inlet temperature up to 85 °C;
■ with regulation range of 35-55 °C and maximum inlet temperature up to 110°C for solar applications;
■ with regulation range of 40-80 °C and maximum inlet temperature up to 110 °C for high-temperature applications.

PLUS

- **Stable temperature regulation.**
- **Suitable for heating or DHW applications (both at the point of distribution and point of use).**
- **Available for solar applications and with high-temperature regulation.**
- **Wide range of connections, with and without check valve.**

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MT

Standard: sanitary applications or flow temperature control in heating systems

35-55 °C (Max Temp. 85 °C)



MT SOL

For solar applications

35-55 °C (Max Temp. 110 °C)

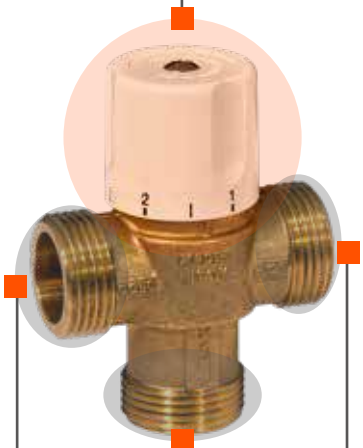


MT HT

For high temperature applications

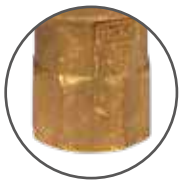
40-80 °C (Max Temp. 110 °C)





Available connections:

1/2" F - 3/4" F - 1" F



1" M



Available fittings (with/without non return valve):



AMT 100



AMT 100 NPT



AMT 100 P



AMT 100 S



AMT 100 X

1/2" M - 3/4" M - 1" M



With/without non return valve

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MT 35



- **Miscelatore termostatico regolabile con attacchi femmina (temperatura max. ingresso: 85 °C).**
- *Adjustable thermostatic blender with female connections (max. intake temperature: 85 °C).*
- **Limiteur de température réglable avec embouts femelle (température d'entrée max. : 85 °C).**
- *Einstellbarer Thermostat-Mischer mit IG Anschlüssen (max. Einlauftemperatur: 85 °C).*
- **Mezclador termostático ajustable con conexiónes hembra (temperatura máx. de entrada: 85 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507076	1/2" F	35-55 °C		78,02 €	QA	1 / 10
507077	3/4" F	35-55 °C		78,02 €	QA	1 / 10
507078	1" F	35-55 °C		80,82 €	QA	1 / 10

MT 35 SOL



- **Miscelatore termostatico regolabile per applicazioni solari con attacchi femmina (temperatura max. ingresso: 110 °C).**
- *Adjustable thermostatic blender for solar applications with female connections (max. intake temperature: 110 °C).*
- **Limiteur de température réglable pour des applications solaires avec embouts femelle (température d'entrée max. : 110 °C).**
- *Einstellbarer Thermostat-Mischer für Solaranwendungen mit IG Anschlüssen (max. Einlauftemperatur: 110 °C).*
- **Mezclador termostático ajustable para aplicaciones solares con conexiónes hembra (temperatura máx. de entrada: 110 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507076SOL	1/2" F	35-55 °C		75,94 €	QA	1 / 10
507077SOL	3/4" F	35-55 °C		75,94 €	QA	1 / 10
507078SOL	1" F	35-55 °C		83,62 €	QA	1 / 10

MT 35 HT



- **Miscelatore termostatico regolabile ad alta temperatura con attacchi femmina (temperatura max. ingresso: 110 °C).**
- *Adjustable high temperature thermostatic blender with female connections (max. intake temperature: 110 °C).*
- **Limiteur de température réglable à haute température avec embouts femelle (température d'entrée max. : 110 °C).**
- *Einstellbarer Thermostat-Mischer Hochtemperatur mit IG Anschlüssen (max. Einlauftemperatur: 110 °C).*
- **Mezclador termostático ajustable a alta temperatura con conexiónes hembra (temperatura máx. de entrada: 110 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507076HT	1/2" F	40-80 °C		89,86 €	QA	1 / 10
507077HT	3/4" F	40-80 °C		89,86 €	QA	1 / 10
507078HT	1" F	40-80 °C		96,68 €	QA	1 / 10

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MT 15



- **Miscelatore termostatico regolabile completo di bocchettoni con/senza valvola di non ritorno agli ingressi (temperatura max. ingresso: 85 °C).**
- *Adjustable thermostatic blender complete with fittings with/without non-return valve at the inlets (max. intake temperature: 85 °C).*
- **Limiteur de température réglable complet avec/sans raccords avec clapet anti-retour aux entrées (température d'entrée max. : 85 °C).**
- *Einstellbarer Thermostat-Mischer komplett mit Anschlüssen mit/ohne Rückschlagventil an den Eingängen (max. Einlauftemperatur: 85 °C).*
- **Mezclador termostático ajustable completo con manguitos con/sin válvula de retención en las entradas (temperatura máx. de entrada: 85 °C).**

Code	Size	Range	Non return valve	Color	Price	Class	Packaging
507081	1/2" M	35-55 °C	-		108,48 €	QA	1 / 10
507082	3/4" M	35-55 °C	-		108,48 €	QA	1 / 10
507083	1" M	35-55 °C	-		126,11 €	QA	1 / 10
507086	1/2" M	35-55 °C	✓		113,18 €	QA	1 / 10
507087	3/4" M	35-55 °C	✓		113,18 €	QA	1 / 10
507088	1" M	35-55 °C	✓		126,70 €	QA	1 / 10

MT 15 SOL



- **Miscelatore termostatico regolabile per applicazioni solari completo di bocchettoni con/senza valvola di non ritorno agli ingressi (temperatura max. ingresso: 110 °C).**
- *Adjustable thermostatic blender for solar applications complete with fittings with/without non-return valve at the inlets (max. intake temperature: 110 °C).*
- **Limiteur de température réglable pour des applications solaires complet avec raccords avec/sans clapet anti-retour aux entrées (température d'entrée max. : 110 °C).**
- *Einstellbarer Thermostat-Mischer für Solaranwendungen komplett mit Anschlüssen mit/ohne Rückschlagventil an den Eingängen (max. Einlauftemperatur: 110 °C).*
- **Mezclador termostático ajustable para aplicaciones solares completo con manguitos con/sin válvula de retención en las entradas (temperatura máx. de entrada: 110 °C).**

Code	Size	Range	Non return valve	Color	Price	Class	Packaging
507081SOL	1/2" M	35-55 °C	-		112,91 €	QA	1 / 10
507082SOL	3/4" M	35-55 °C	-		112,91 €	QA	1 / 10
507083SOL	1" M	35-55 °C	-		127,46 €	QA	1 / 10
507086SOL	1/2" M	35-55 °C	✓		116,57 €	QA	1 / 10
507087SOL	3/4" M	35-55 °C	✓		116,57 €	QA	1 / 10
507088SOL	1" M	35-55 °C	✓		133,61 €	QA	1 / 10

MT 15 HT



- **Miscelatore termostatico regolabile ad alta temperatura completo di bocchettoni con/senza valvola di non ritorno agli ingressi (temperatura max. ingresso: 110 °C).**
- *Adjustable high temperature thermostatic blender complete with fittings with/wihout non-return valve at the inlets (max. intake temperature: 110 °C).*
- **Limiteur de température réglable à haute température complet avec raccords avec/sans clapet anti-retour aux entrées (température d'entrée max. : 110 °C).**
- *Einstellbarer Thermostat-Mischer Hochtemperatur komplett mit Anschlüssen mit/ohne Rückschlagventil an den Eingängen (max. Einlauftemperatur: 110 °C).*
- **Mezclador termostático ajustable a alta temperatura completo con manguitos con/sin válvula de retención en las entradas (temperatura máx. de entrada: 110 °C).**

Code	Size	Range	Non return valve	Color	Price	Class	Packaging
507081HT	1/2" M	40-80 °C	-		114,58 €	QA	1 / 10
507082HT	3/4" M	40-80 °C	-		114,58 €	QA	1 / 10
507083HT	1" M	40-80 °C	-		135,06 €	QA	1 / 10
507086HT	1/2" M	40-80 °C	✓		118,33 €	QA	1 / 10
507087HT	3/4" M	40-80 °C	✓		118,33 €	QA	1 / 10
507088HT	1" M	40-80 °C	✓		135,65 €	QA	1 / 10

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MT 25



- **Miscelatore termostatico regolabile con attacchi maschio (temperatura max. ingresso: 85 °C).**
- *Adjustable thermostatic blender with male connections (max. intake temperature: 85 °C).*
- **Limiteur de température réglable avec embouts mâle (température d'entrée max. : 85 °C).**
- *Einstellbarer Thermostat-Mischer mit AG Anschlüssen (max. Einlauftemperatur: 85 °C).*
- **Mezclador termostático ajustable con conexiónes macho (temperatura máx. de entrada: 85 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507079	1" M	35-55 °C	☐	84,52 €	QA	1 / 10

MT 25 SOL



- **Miscelatore termostatico regolabile per applicazioni solari con attacchi maschio (temperatura max. ingresso: 110 °C).**
- *Adjustable thermostatic blender for solar applications with male connections (max. intake temperature: 110 °C).*
- **Limiteur de température réglable pour des applications solaires avec embouts mâle (température d'entrée max. : 110 °C).**
- *Einstellbarer Thermostat-Mischer für Solaranwendungen mit AG Anschlüssen (max. Einlauftemperatur: 110 °C).*
- **Mezclador termostático ajustable para aplicaciones solares con conexiónes macho (temperatura máx. de entrada: 110 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507079SOL	1" M	35-55 °C	■	84,52 €	QA	1 / 10

MT 25 HT



- **Miscelatore termostatico regolabile ad alta temperatura con attacchi maschio (temperatura max. ingresso: 110 °C).**
- *Adjustable high temperature thermostatic blender with male connections (max. intake temperature: 110 °C).*
- **Limiteur de température réglable à haute température avec embouts mâle (température d'entrée max. : 110 °C).**
- *Einstellbarer Thermostat-Mischer Hochtemperatur mit AG Anschlüssen (max. Einlauftemperatur: 110 °C).*
- **Mezclador termostático ajustable a alta temperatura con conexiónes macho (temperatura máx. de entrada: 110 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507079HT	1" M	40-80 °C	■	85,74 €	QA	1 / 10

AMT 100



- **Bocchettone con attacco maschio con/senza valvola di non ritorno anti-inquinamento per miscelatore termostatico.**
- *Fitting with male connection with/without anti-pollution non return valve for thermostatic blender.*
- **Goulotte avec embout mâle avec/sans clapet anti-retour antipollution pour limiteur de température.**
- *Stutzen mit AG Anschluß mit/ohne nicht-verschmutzendes Rückschlagventil für Thermostat-Mischer.*
- **Manguito de unión con conexión macho con/sin válvula de no retorno anti-contaminación para mezclador termostático.**

Code	Size	Non return valve	Price	Class	Packaging
520500	1" F x 1/2" M	-	11,62 €	QA	10 / 100
520502	1" F x 3/4" M	-	11,62 €	QA	10 / 100
520504	1" F x 1" M	-	18,53 €	QA	10 / 100
520501	1" F x 1/2" M	✓	15,32 €	QA	10 / 100
520503	1" F x 3/4" M	✓	15,32 €	QA	10 / 100
520505	1" F x 1" M	✓	21,02 €	QA	10 / 100

AMT 100 NPT



- **Bocchettone con attacco maschio NPT con/senza valvola di non ritorno anti-inquinamento per miscelatore termostatico.**
- *Fitting with NPT male connection with/without anti-pollution non return valve for thermostatic blender.*
- **Goulotte avec embout mâle NPT avec/sans clapet anti-retour antipollution pour limiteur de température.**
- *Stutzen mit AG Anschluß NPT mit/ohne nicht-verschmutzendes Rückschlagventil für Thermostat-Mischer.*
- **Manguito de unión con conexión macho NPT con/sin válvula de no retorno anti-contaminación para mezclador termostático.**

Code	Size	Non return valve	Price	Class	Packaging
520506	1" F x 1/2" M NPT	-	11,62 €	QA	10 / 100
520508	1" F x 3/4" M NPT	-	11,62 €	QA	10 / 100
520510	1" F x 1" M NPT	-	18,53 €	QA	10 / 100
520507	1" F x 1/2" M NPT	✓	15,32 €	QA	10 / 100
520509	1" F x 3/4" M NPT	✓	15,32 €	QA	10 / 100
520511	1" F x 1" M NPT	✓	21,02 €	QA	10 / 100

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AMT 100 P



- **Bocchettone con attacco a pressare con/senza valvola di non ritorno anti-inquinamento per miscelatore termostatico.**
- *Fitting with clamping connection with/without anti-pollution non return valve for thermostatic blender.*
- **Goulotte avec embout à presser avec/sans clapet anti-retour antipollution pour limiteur de température.**
- *Stutzen mit Pressfitting-Anschluß mit/ohne nicht-verschmutzendes Rückschlagventil für Thermostat-Mischer.*
- **Manguito de unión con conexión a compresión con/sin válvula de no retorno anti-contaminación para mezclador termostático.**

Code	Size	Non return valve	Price	Class	Packaging
520518	1" F x 1/2"	-	13,20 €	QA	10 / 100
520520	1" F x 3/4"	-	18,62 €	QA	10 / 100
520522	1" F x 1"	-	20,70 €	QA	10 / 100
520519	1" F x 1/2"	✓	16,86 €	QA	10 / 100
520521	1" F x 3/4"	✓	22,69 €	QA	10 / 100
520523	1" F x 1"	✓	24,59 €	QA	10 / 100

AMT 100 S



- **Bocchettone con attacco a saldare con/senza valvola di non ritorno anti-inquinamento per miscelatore termostatico.**
- *Fitting with welding connection with/without anti-pollution non return valve for thermostatic blender.*
- **Goulotte avec embout à souder avec/sans clapet anti-retour antipollution pour limiteur de température.**
- *Stutzen mit Lötanschluß mit/ohne nicht-verschmutzendes Rückschlagventil für Thermostat-Mischer.*
- **Manguito de unión con conexión para soldar con/sin válvula de no retorno anti-contaminación para mezclador termostático.**

Code	Size	Non return valve	Price	Class	Packaging
520512	1" F x 1/2"	-	11,62 €	QA	10 / 100
520514	1" F x 3/4"	-	11,62 €	QA	10 / 100
520516	1" F x 1"	-	18,53 €	QA	10 / 100
520513	1" F x 1/2"	✓	15,32 €	QA	10 / 100
520515	1" F x 3/4"	✓	15,32 €	QA	10 / 100
520517	1" F x 1"	✓	21,02 €	QA	10 / 100

AMT 100 X



- **Bocchettone con attacco PEX 1807 con/senza valvola di non ritorno anti-inquinamento per miscelatore termostatico.**
- *Fitting with PEX 1807 connection with/without anti-pollution non return valve for thermostatic blender.*
- **Goulotte avec embout PEX 1807 avec/sans clapet anti-retour antipollution pour limiteur de température.**
- *Stutzen mit PEX 1807 Anschluß mit/ohne nicht-verschmutzendes Rückschlagventil für Thermostat-Mischer.*
- **Manguito de unión con conexiónPEX 1807 con/sin válvula de no retorno anti-contaminación para mezclador termostático.**

Code	Size	Non return valve	Price	Class	Packaging
520524	1" F x 1/2"	-	11,62 €	QA	10 / 100
520526	1" F x 3/4"	-	11,62 €	QA	10 / 100
520525	1" F x 1/2"	✓	15,32 €	QA	10 / 100
520527	1" F x 3/4"	✓	15,32 €	QA	10 / 100

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SAFETY UNITS

The safety unit is used in domestic plumbing systems for the following purposes:

- it prevents water pressure from reaching excessive and hazardous levels inside a water heater storage tank; this is why it is equipped with a safety valve that releases any excessive pressure that goes over the valve's pressure settings;
- through a check valve, it prevents any water from returning to the cold supply network (anti-contamination);
- through a shut-off valve, it facilitates maintenance operations on the heaters without having to drain down the entire system;
- it allows the manual emptying of the water heater through the manual drain valve.

The IVAR safety units are available with 3 different types of seats for the safety valve seal:

- Brass: suitable for soft water (little limescale).
- Teflon: its anti-stick and lubricating properties make it suitable in the presence of hard water - rich in limescale.
- Stainless steel: suitable for slightly acidic water.

The choice of the model with integrated dielectric connection allows the plant to be protected from possible electrolysis, which causes corrosion and therefore rust.

A tundish, which is also certified and essential for code-compliant installation, is also available for the system, for the protection of both the end user and the installer.

Materials
Body: brass CW617N (nickel-plated on exterior only)
Sealing parts: EPDM

Technical specifications
Max. fluid temperature inside component: 120 °C
Safety valve calibration pressure: 7 bar
Drainage flow rate at 8.4 bar:
- water: > 650 l/h
- steam: > 225 kg/h

PLUS

- **Anti-contamination function thanks to the built-in check valve**
- **Special versions for hard water with a PTFE seal or for acidic water with a stainless steel seal**
- **Safety function against overpressure (safety valve set at 7 bar)**
- **Manual draining and cut off available for maintenance operations**

CERTIFICATION
The safety units have been manufactured in accordance with the EN 1487 standard. According to the Ministry of Trade and Industry Circular No.9571 of 26 March 2003, these are to be installed on storage water heater delivery systems.

Straight drain



Square drain



Adjustable drain





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GS 00 E



- **Gruppo di sicurezza con scarico diritto.**
- *Safety unit with straight drainage valve.*
- **Groupe de sécurité avec robinet de vidange droit.**
- *Sicherheitsaggregat mit Entladeventil Durchgangsform.*
- **Grupo de seguridad con descarga recta.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
507053	3/4" - BRASS	7 bar		40,23 €	TA	1 / 8
507054	3/4" - TEFLON	7 bar		43,97 €	TA	1 / 8
507055	3/4" - STAINLESS STEEL	7 bar		43,97 €	TA	1 / 8

GS 10 E



- **Gruppo di sicurezza con scarico a squadra.**
- *Safety unit with angle drainage valve.*
- **Groupe de sécurité avec robinet de vidange équerre.**
- *Sicherheitsaggregat mit Entladeventil Eckform.*
- **Grupo de seguridad con descarga de escuadra.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
507056	3/4"- BRASS	7 bar		41,26 €	TA	1 / 8
507057	3/4" - TEFLON	7 bar		45,53 €	TA	1 / 8
507058	3/4" - STAINLESS STEEL	7 bar		45,27 €	TA	1 / 8

GS 20 E



- **Gruppo di sicurezza con scarico orientabile.**
- *Safety unit with swiveling drainage valve.*
- **Groupe de sécurité avec robinet de vidange orientable.**
- *Sicherheitsaggregat mit drehbarer Entladeventil.*
- **Grupo de seguridad con descarga orientable.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
507063	3/4" - BRASS	7 bar		45,27 €	TA	1 / 8
507064	3/4" - TEFLON	7 bar		48,69 €	TA	1 / 8
507065	3/4" - STAINLESS STEEL	7 bar		49,20 €	TA	1 / 8

GS 20 D



- **Gruppo di sicurezza serie pesante con scarico orientabile e raccordo dielettrico.**
- *Safety unit heavy series with swiveling drainage valve and dielectric fitting.*
- **Groupe de sécurité série lourde avec robinet de vidange orientable et raccord diélectrique.**
- *Sicherheitsaggregat schwere Serie mit drehbarer Entladeventil und dielektrisch Verbinder.*
- **Grupo de seguridad serie pesada con descarga orientable y racor dieléctrico.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
507059	3/4" - TEFLON	7 bar		76,89 €	TA	1 / 16
506626	3/4" - STAINLESS STEEL	7 bar		77,28 €	TA	1 / 16

GS 101



- **Gruppo di sicurezza diritto con manopola.**
- *Straight safety unit with knob.*
- **Groupe de sécurité droit avec poignée.**
- *Durchgangs-Sicherheitsaggregat mit Griff.*
- **Grupo de seguridad recto con mando.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
508050	1/2"	7 bar		44,16 €	TA	1 / 24

AGS 01



- **Imbuto di scarico.**
- *Drain funnel.*
- **Entonnoir de vidange.**
- *Ablasstrichter.*
- **Embudo de vaciado.**

Code	Price	Class	Packaging
507090	5,75 €	TC	2 / 16

AGS 00



- **Raccordo dielettrico.**
- *Dielectric fitting.*
- **Raccord diélectrique.**
- *Dielektrisch Verbinder.*
- **Racor dieléctrico.**

Code	Size	Price	Class	Packaging
506585	3/4" F x 1" M	9,93 €	TA	25 / 200

AGS 03



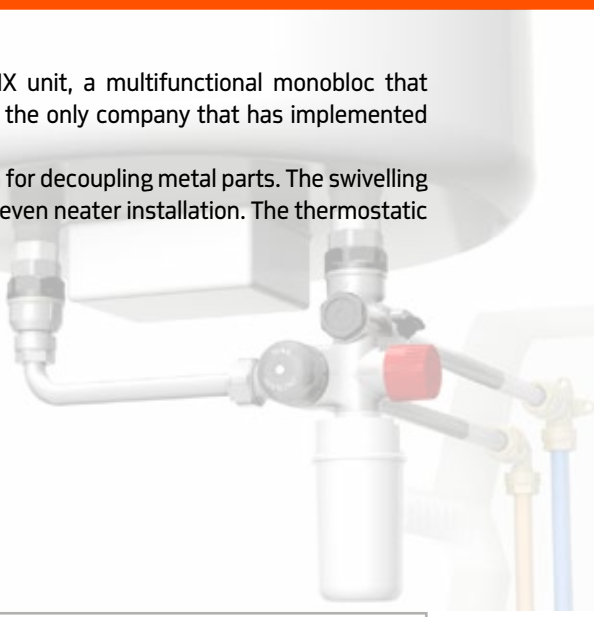
- **Kit raccordi per collegamento boiler a gruppo sicurezza e miscelatore termostatico.**
- *Fittings kit for the connection of the boiler to the safety unit and thermostatic blender.*
- **Kit de raccords pour raccordement du chauffe-eau au groupe sécurité et limiteur de température.**
- *Bausatz Anschlüsse für die Verbindung des Boilers mit Sicherheitsgruppe und thermostatischem Mischer.*
- **Conjunto racores para conexión caldera con grupo de seguridad y mezclador termostático.**

Code	Size	Price	Class	Packaging
507093	3/4" M x 3/4" G.	12,25 €	TC	5 / 40

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SAFEMIX

Combining the thermostatic mixer with the safety unit led to the SAFEMIX unit, a multifunctional monobloc that performs all safety and control functions with only four connections. IVAR is the only company that has implemented this type of solution to date.
Perfect for electric water heaters, SAFEMIX comes with a dielectric connection for decoupling metal parts. The swivelling drain and the special accessory kit with connection pipe and trap make for an even neater installation. The thermostatic mixer is available in adjustable version.



Materials
Body: brass CW617N (nickel-plated on exterior only)
Sealing parts: EPDM

Technical specifications
Maximum operating temperature: 90 °C
Maximum operating pressure: 10 bar
Safety valve calibration pressure: 7 bar

PLUS

- A thermostatic mixer and a safety unit in a single component
- Ease of installation
- Including a dielectric connection for electrical insulation

CERTIFICATION

NF ACS

MT 05 + **GS 20 D**



SAFEMIX 05



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SAFEMIX 05



- **Gruppo di sicurezza con scarico orientabile, miscelatore termostatico regolabile integrato e raccordo dielettrico.**
- *Safety unit with swiveling drainage valve, integrated adjustable thermostatic blender and dielectric fitting.*
- **Groupe de sécurité avec robinet de vidange orientable, limiteur de température réglable intégré et raccord diélectrique.**
- *Sicherheitsaggregat mit drehbarer Entladeventil, ergänzt einstellbarer Thermostat-Mischer und dielektrisch Verbinder.*
- **Grupo de seguridad con descarga orientable, mezclador termostático a valor fijo integrado y racor dieléctrico.**

Code	Size	Range	Max inlet pressure	Color	Price	Class	Packaging
507071	3/4" x 1" F - TEFLON	36-50 °C	7 bar		200,46 €	TA	1 / 6
506574	3/4" x 1" F - STAINLESS STEEL	36-50 °C	7 bar		200,46 €	TA	1 / 6

SAFEMIX 15



- **Gruppo di sicurezza con scarico orientabile, miscelatore termostatico regolabile integrato, raccordi dielettrici e kit di collegamento al boiler.**
- *Safety unit with swiveling drainage valve, integrated adjustable thermostatic blender, dielectric fittings and boiler connection kit.*
- **Groupe de sécurité avec robinet de vidange orientable, limiteur de température réglable intégré, raccords diélectriques et kit pour raccordement au chauffe-eau.**
- *Sicherheitsaggregat mit drehbarer Entladeventil, ergänzt einstellbarer Thermostat-Mischer, dielektrisch Verbinder und Kit für die Verbindung des Boilers.*
- **Grupo de seguridad con descarga orientable, mezclador termostático ajustable integrado, racores dieléctricos y kit de conexión a la caldera.**

Code	Size	Range	OC distance	Max inlet pressure	Color	Price	Class	Packaging
506580	3/4" - TEFLON	36-50 °C	230 mm	7 bar		256,07 €	TA	1 / 6
506578	3/4" - STAINLESS STEEL	36-50 °C	230 mm	7 bar		256,07 €	TA	1 / 6

ASM 05



- **Kit di collegamento al boiler con raccordo dielettrico.**
- *Boiler connection kit equipped with dielectric fitting.*
- **Kit pour raccordement au chauffe-eau équipé de raccord diélectrique.**
- *Kit für die Verbindung des Boilers mit dielektrisch Verbinder.*
- **Kit de conexión a la caldera con racor dieléctrico.**

Code	Size	OC distance	Price	Class	Packaging
506586	3/4"	230 mm	40,47 €	TA	1 / 8

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SAFETY VALVES

SAFETY VALVES FOR SANITARY APPLICATIONS

Safety valves are overpressure control devices which, when they reach the calibration value, drain fluid to prevent dangerous operating conditions. Suited for use in DHW systems (calibration 7 bar), IVAR valves are available with different connection threads and with or without pressure gauge connection.

VSC 00 S



- **Valvola di sicurezza femmina-femmina.**
- *Female-female safety valve.*
- **Clapet de sécurité femelle-femelle.**
- *Sicherheitsventil IG-IG.*
- **Válvula de seguridad hembra-hembra.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
5702307	1/2" F x 1/2" F	7 bar		12,83 €	TA	10 / 80
5702317	3/4" F x 3/4" F	7 bar		15,07 €	TA	15 / 120

VSC 10 S



- **Valvola di sicurezza maschio-femmina.**
- *Male-female safety valve.*
- **Clapet de sécurité mâle-femelle.**
- *Sicherheitsventil AG-IG.*
- **Válvula de seguridad macho-hembra.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
5702327	1/2" F x 1/2" M	7 bar		13,04 €	TA	20 / 160
5702337	3/4" F x 3/4" M	7 bar		15,11 €	TA	15 / 120

VSC 01 S



- **Valvola di sicurezza femmina-femmina con attacco per manometro.**
- *Female-female safety valve with connection for pressure gauge.*
- **Clapet de sécurité femelle-femelle avec embout pour manomètre.**
- *Sicherheitsventil IG-IG mit Anschluß für Manometer.*
- **Válvula de seguridad hembra-hembra con conexión para manómetro.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
5702447	1/2" F x 1/2" F	7 bar		14,36 €	TA	20 / 160
5702457	3/4" F x 3/4" F	7 bar		16,18 €	TA	15 / 120

VSC 11 S



- **Valvola di sicurezza maschio-femmina con attacco per manometro.**
- *Male-female safety valve with connection for pressure gauge.*
- **Clapet de sécurité mâle-femelle avec embout pour manomètre.**
- *Sicherheitsventil AG-IG mit Anschluß für Manometer.*
- **Válvula de seguridad macho-hembra con conexión para manómetro.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
5702467	1/2" M x 1/2" F	7 bar		14,60 €	TA	20 / 160
5702477	3/4" M x 3/4" F	7 bar		16,08 €	TA	15 / 120

VSC 05 S



- **Valvola di sicurezza femmina-femmina con manometro.**
- *Female-female safety valve with pressure gauge.*
- **Clapet de sécurité femelle-femelle avec manomètre.**
- *Sicherheitsventil IG-IG mit Manometer.*
- **Válvula de seguridad hembra-hembra con manómetro.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
5702347	1/2" F x 1/2" F	7 bar		25,24 €	TA	1
5702357	3/4" F x 3/4" F	7 bar		27,06 €	TA	1

VSC 15 S



- **Valvola di sicurezza maschio-femmina con manometro.**
- *Male-female safety valve with pressure gauge.*
- **Clapet de sécurité mâle-femelle avec manomètre.**
- *Sicherheitsventil AG-IG mit Manometer.*
- **Válvula de seguridad macho-hembra con manómetro.**

Code	Size	Max inlet pressure	Color	Price	Class	Packaging
5702367	1/2" M x 1/2" F	7 bar		25,48 €	TA	1
5702377	3/4" M x 3/4" F	7 bar		26,97 €	TA	1

MA 10



- **Manometro con attacco posteriore.**
- *Pressure gauge with rear connection.*
- **Manomètre avec embout postérieur.**
- *Manometer mit rückwärtigem Anschluss.*
- **Manómetro con conexión posterior.**

Code	Size	Range	Price	Class	Packaging
509160	1/4" M	0-10 bar	10,89 €	TA	3 / 48

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CHECK VALVES

Check valves are devices that prevent the reversal of the direction of flow.
IVAR offers anti-contamination non-return check valves, which, suitably positioned between the water main and user lines, prevent backflow by avoiding direct contact between the two networks and therefore contamination of the water distributed by the mains.
The product range also includes the Europa Valve®, which, because of its special threaded filter, and the water hammer shock absorber, which absorbs any overpressure that might build up in the system, while protecting the components most at risk, can be converted into a foot valve.

⊕ PLUS

- **EA type devices, can be inspected: because of the two control ports, the correct operation of the check valve can be verified**
- **Suitable for applications with category 2 water**

VNR 01



- **Valvola di non ritorno anti-inquinamento.**
- *Anti-pollution non return valve.*
- **Clapet anti-retour antipollution.**
- *Nicht-verschmutzendes Rückschlagventil.*
- **Válvula de no retorno anti-contaminación.**

Code	Size	Price	Class	Packaging
500899	3/4" - L. 58 mm	13,38 €	HD	180
500900	3/4" - L. 77,5 mm	15,55 €	HD	140

VR 00



- **Valvola modello EUROPA.**
- *EUROPA model valve.*
- **Clapet modèle EUROPA.**
- *Ventil Modell EUROPA.*
- **Válvula modelo EUROPA.**

Code	Size	Max inlet pressure	Operating temp.	Price	Class	Packaging
509045	3/8" F x 3/8" F	25 bar	-20 °C / 100 °C	11,72 €	HD	20 / 80
509046	1/2" F x 1/2" F	25 bar	-20 °C / 100 °C	13,76 €	HD	20 / 80
509047	3/4" F x 3/4" F	25 bar	-20 °C / 100 °C	18,55 €	HD	10 / 40
509048	1" F x 1" F	25 bar	-20 °C / 100 °C	25,28 €	HD	12 / 48
509049	1"1/4 F x 1"1/4 F	18 bar	-20 °C / 100 °C	39,48 €	HD	6 / 24
509050	1"1/2 F x 1"1/2 F	18 bar	-20 °C / 100 °C	53,56 €	HD	4 / 16
509051	2" F x 2" F	18 bar	-20 °C / 100 °C	82,11 €	HD	2 / 8
509052	2"1/2 F x 2"1/2 F	12 bar	-20 °C / 100 °C	187,98 €	HD	3
509053	3" F x 3" F	12 bar	-20 °C / 100 °C	280,59 €	HD	1
509054	4" F x 4" F	12 bar	-20 °C / 100 °C	467,55 €	HD	1

ACA 00



- **Ammortizzatore colpo d'ariete.**
- *Water-hammer shock absorber.*
- **Anti-bélier pour plomberie.**
- *Druckstoßdämpfer.*
- **Amortiguador golpe de ariete.**

Code	Size	Max inlet pressure	Max operating temp.	Price	Class	Packaging
509029	1/2" M	10 bar	130 °C	35,13 €	HD	4 / 12

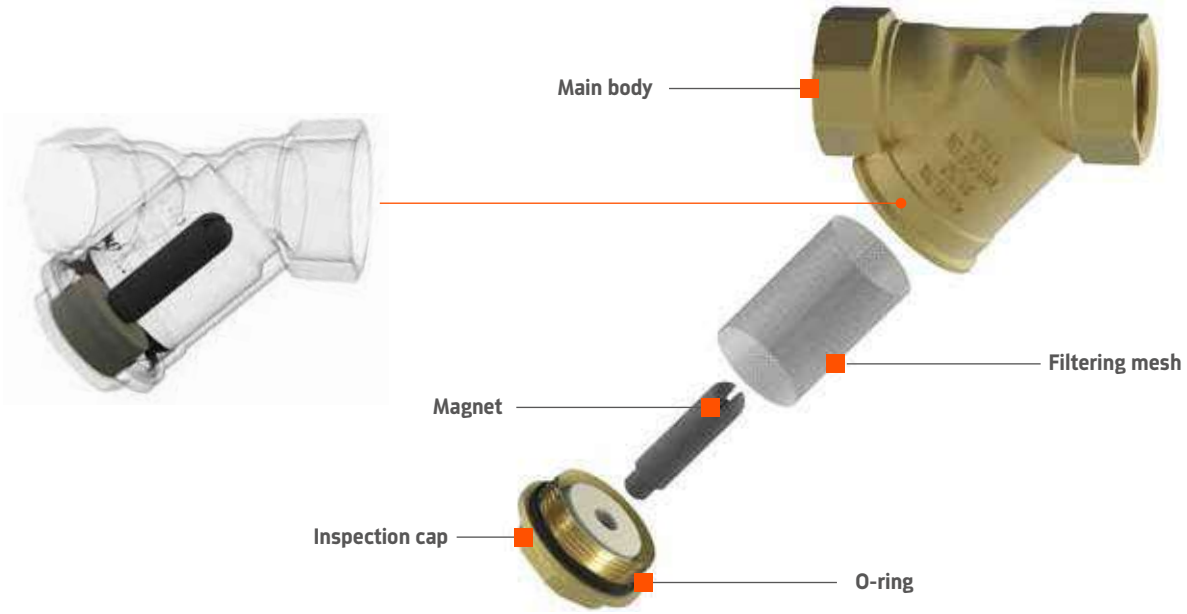
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STRAINERS

The water in closed-circuit heating systems can contain impurities of various origins. For example, impurities already present in the water when charging the system, or else due to the system installation or maintenance phases, such as machining residues, as well as those generated in the system during use, such as in the case of corrosion leading to ferrous impurities.
In order to intercept the last type of impurities, we have added a **new version with magnet** to our range of Y strainers; this is composed of a brass body with inspection cap, onto **which a powerful 14,200 gauss neodymium magnet** is screwed. The particular tapered shape of the magnet guarantees **reduced pressure losses and therefore high flow rates**, practically identical to the versions without magnet. As it is screwed on, t**he magnet can be easily removed for cleaning or replacement**. Removing the inspection cap provides access to the area which also contains an AISI 304 stainless-steel mesh strainer, with 500 µm filter capacity. The filter is removable for scheduled cleaning of the component.

Materials:
Body: CW617N brass
Inspection cap: CW617N brass
Rubber parts: NBR
Filtering mesh: AISI 304 stainless steel
Magnet: neodymium REN 52

Technical specifications:
Temperature range: -20 ÷ + 110 °C in absence of steam
Max operating pressure: 20 bar
Filtration capacity: 500 µm
Magnet power: 1.42 T = 14200 Gauss.



FI 10 M



- **Filtro a Y completo di cartuccia filtrante, magnete e tappo d'ispezione.**
- *Y-filter complete with filter cartridge, magnet and inspection plug.*
- **Filtre à Y doté de cartouche filtrante, aimant et bouchon d'inspection.**
- *Y-Filter mit Filtereinsatz, Magnet und Prüfstopfen.*
- **Filtro en Y completo de cartucho filtrante, imán y tapón de inspección.**

Code	Size	Operating temp.	Filtration capacity	Price	Class	Packaging
509036M	1/2" F x 1/2" F	-20 °C / 110 °C	500 µm	31,73 €	TI	25 / 100
509037M	3/4" F x 3/4" F	-20 °C / 110 °C	500 µm	40,17 €	TI	12 / 48
509038M	1" F x 1" F	-20 °C / 110 °C	500 µm	52,77 €	TI	8 / 32
509039M	1"1/4 F x 1"1/4 F	-20 °C / 110 °C	500 µm	74,78 €	TI	2 / 8
509040M	1"1/2 F x 1"1/2 F	-20 °C / 110 °C	500 µm	92,30 €	TI	2 / 8
509041M	2" F x 2" F	-20 °C / 110 °C	500 µm	138,07 €	TI	1 / 4

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FI 10



- **Filtro a Y completo di cartuccia filtrante e tappo d'ispezione.**
- *Y-filter complete with filter cartridge and inspection plug.*
- **Filtre à Y doté de cartouche filtrante et bouchon d'inspection.**
- *Y-Filter mit Filtereinsatz und Prüfstopfen.*
- **Filtro en Y completo de cartucho filtrante y tapón de inspección.**

Code	Size	Operating temp.	Filtration capacity	Price	Class	Packaging
509036	1/2" F x 1/2" F	-20 °C / 110 °C	500 µm	9,22 €	HD	25
509037	3/4" F x 3/4" F	-20 °C / 110 °C	500 µm	14,98 €	HD	12
509038	1" F x 1" F	-20 °C / 110 °C	500 µm	26,34 €	HD	8 / 32
509039	1"1/4 F x 1"1/4 F	-20 °C / 110 °C	500 µm	35,56 €	HD	2
509040	1"1/2 F x 1"1/2 F	-20 °C / 110 °C	500 µm	47,37 €	HD	2
509041	2" F x 2" F	-20 °C / 110 °C	500 µm	76,83 €	HD	1 / 4
509042	2"1/2 F x 2"1/2 F	-20 °C / 110 °C	800 µm	136,62 €	HD	3
509043	3" F x 3" F	-20 °C / 110 °C	800 µm	185,03 €	HD	3

AVR 00



- **Filtro per valvola di fondo modello EUROPA.**
- *Filter for EUROPA model foot valve.*
- **Filtre pour clapet de fond modèle EUROPA.**
- *Filter für Bodenventil Modell EUROPA.*
- **Filtro para válvula de fondo modelo EUROPA.**

Code	Size	Filtration capacity	Price	Class	Packaging
509055	3/8" M	1200 µm	1,911 €	HD	30 / 120
509056	1/2" M	1200 µm	1,93 €	HD	25 / 100
509057	3/4" M	1200 µm	2,176 €	HD	25 / 100
509058	1" M	1200 µm	2,817 €	HD	20 / 80
509059	1"1/4 M	1200 µm	3,679 €	HD	10 / 40
509060	1"1/2 M	1200 µm	4,014 €	HD	10 / 40
509061	2" M	1200 µm	6,12 €	HD	4 / 16
509062	2"1/2 M	2000 µm	10,94 €	HD	2 / 8
509063	3" M	2000 µm	13,05 €	HD	2 / 8
509064	4" M	2000 µm	16,92 €	HD	4

FI 00



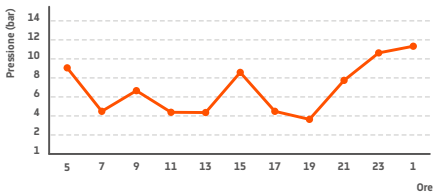
- **Filtro autopulente con 2 manometri, cartuccia filtrante estraibile e rubinetto di scarico.**
- *Self-cleaning filter with 2 pressure gauges, pull-out filter cartridge and discharge cock.*
- **Filtre autonettoyant avec 2 manomètres, cartouche filtrante extractible et robinet de décharge.**
- *Selbstreinigender Filter mit 2 Manometer, herausnehmbarem Filtereinsatz und Ablasshahn.*
- **Filtro autolimpiador con 2 manómetros, cartucho filtrante extraíble y llave de vaciado.**

Code	Size	Max inlet pressure	Max operating temp.	Filtration capacity	Price	Class	Packaging
509030	1/2" F x 1/2" F	25 bar	110 °C	100 µm	126,99 €	HD	2
509031	3/4" F x 3/4" F	25 bar	110 °C	100 µm	126,99 €	HD	2
509032	1" F x 1" F	25 bar	110 °C	100 µm	158,67 €	HD	2
509033	1"1/4 F x 1"1/4 F	25 bar	110 °C	100 µm	158,67 €	HD	2
509034	1"1/2 F x 1"1/2 F	25 bar	110 °C	100 µm	218,12 €	HD	2
509035	2" F x 2" F	25 bar	110 °C	100 µm	218,12 €	HD	2
5090303	1/2" F x 1/2" F	25 bar	110 °C	300 µm	124,13 €	HD	2
5090313	3/4" F x 3/4" F	25 bar	110 °C	300 µm	124,13 €	HD	2
5090323	1" F x 1" F	25 bar	110 °C	300 µm	155,56 €	HD	2
5090333	1"1/4 F x 1"1/4 F	25 bar	110 °C	300 µm	155,56 €	HD	2
5090343	1"1/2 F x 1"1/2 F	25 bar	110 °C	300 µm	218,12 €	HD	2
5090353	2" F x 2" F	25 bar	110 °C	300 µm	218,12 €	HD	2

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PRESSURE REDUCING VALVES

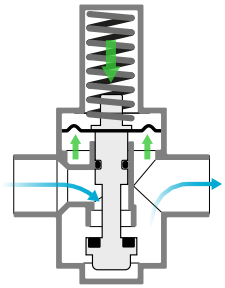
Pressure reducers are devices that are installed at the main inlet of homes to reduce and maintain a constant pressure in domestic users' lines even when there are changes in the mains pressure.



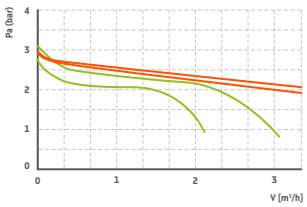
During the day, in fact, the pressure in the mains can vary significantly, especially during peak usage periods in an urban context. Over 24 hours, there is generally a maximum pressure trend at night when water use by users is lower with significant decreases in pressure during daylight hours when water use is more frequent and distributed.

These devices are installed to reduce the pressure in domestic lines compared to the mains pressure in the public network and to keep the pressure constant regardless of any fluctuations caused by the diversity of demand that might occur in the aqueduct. That is why pressure reducers take on more than one meaning in an installation:

- They protect the system from excessive pressure. Generally, the components installed inside a dwelling have a maximum static working pressure of 10 bar, while the pressure of the mains can reach higher levels, which could damage the most critical components;
- they stabilize the pressure in the domestic plumbing system. If this were not the case, there would be different pressures and different flow rates to the individual taps during the day resulting in poor results in terms of convenience in use;
- they reduce wasted water. By stabilising the pressure, they provide correct design flow at the taps, avoiding waste caused by pressure peaks in the mains.
- they avoid noise in the system due to excessive water speed (generated by high flow rates, in turn caused by high pressures) during use as well as vibration phenomena of the pipes and/or their brackets that can be caused by overpressure.



The PRV line of pressure reducers is of the cartridge type with compensated seat: in general, pressure reduction and stabilisation are obtained by the opposed action of the two forces that strike the shutter: one, which tends to close, is exerted by the pressure on the membrane, the other, which tends to open, is the elastic force of a spring. The devices with a compensated seat have the design detail that causes the discharge of the inlet pressure in the same way on both the seat and the spring. This makes the reaction of the device independent of the inlet pressure. Only the outlet pressure, which is discharged on the diaphragm acts on the contrast spring. This makes compensated seat PRVs significantly superior in terms of pressure regulation and stabilisation compared to uncompensated seat PRVs.



PRV pressure reducers also have an indicator for easy calibration of the outlet pressure with a special fitting for the installation of a pressure gauge to read and check downstream pressure (Fig. 1). Furthermore, the knob can be rotated to make the indicator always visible regardless of its installation position.

Also, the cartridge has a filter that can be easily cleaned by removing the cap and cutting off the downstream pressure reducer (Fig. 2).

The PRV are available in sizes DN 15, 20, 25, 32 and 40, also in the version with outlets.

The PRV series pressure reducers have also been certified according to the EN 1567 European standard by the SVGW institute for applications in cold water (30°C) with inlet pressures not exceeding 16 bar. Nevertheless, IVAR guarantees the product up to a temperature of 70°C and a maximum inlet pressure of 25 bar.

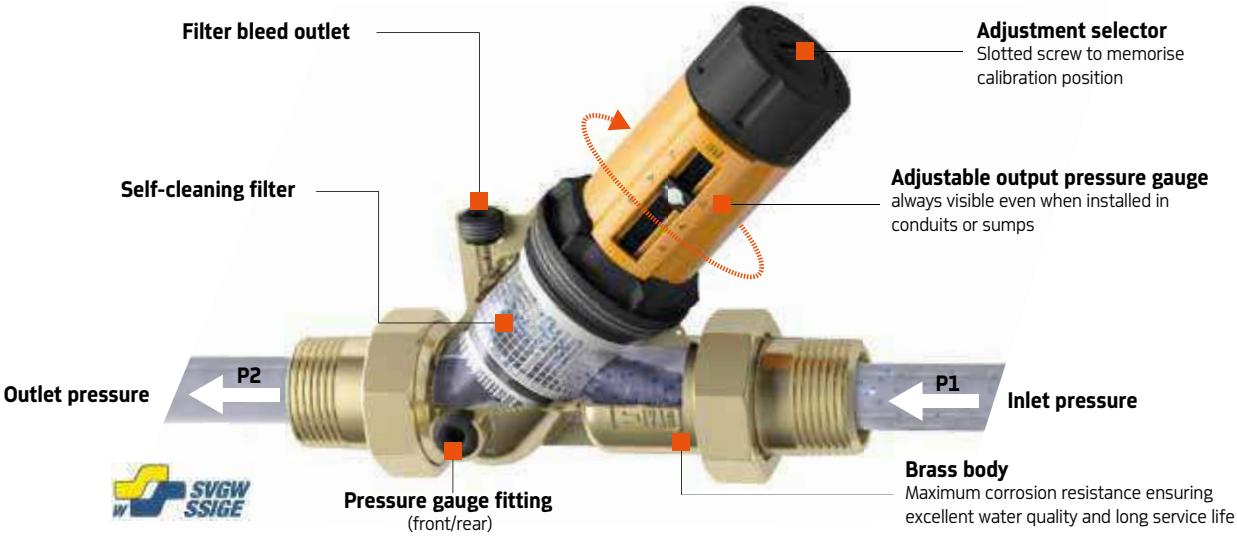


Fig. 1



Fig. 2

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PLUS

- **Protects the lines from excessive pressure**
- **Reduces wasted water**
- **Prevents noise phenomena in the lines**
- **The filter can be cleaned without having to remove it**

PRV



- **Riduttore di pressione regolabile con filtro autopulente (certificato secondo la norma UNI EN 1567 per acqua fredda: 30 °C, 16 bar).**
- *Adjustable pressure reducing valve with self-cleaning strainer (certified according to UNI EN 1567 standard for cold water: 30 °C, 16 bar).*
- **Réducteur de pression réglable avec filtre auto-nettoyant (certifié selon la norme UNI EN 1567 pour l'eau froid: 30 °C, 16 bar).**
- *Regelbar Druckminderer mit selbstreigener Kartusche Einsatzt (Zertifizierung nach Standard UNI EN 1567 für Kaltwasser: 30 °C, 16 bar).*
- **Reductor de presión con regulación y con filtro autolimpiador (certificado según la norma UNI EN 1567 para el agua fría: 30 °C, 16 bar).**

Code	Size	Range	Max inlet pressure	Preset	Max operating temp.	Filtration capacity	Price	Class	Packaging
509126	DN 15 x 1/2" M fitting	1,5 - 6 bar	25 bar	4 bar	70 °C	500 µm	101,36 €	HD	1 / 8
509127	DN 20 x 3/4" M fitting	1,5 - 6 bar	25 bar	4 bar	70 °C	500 µm	121,63 €	HD	1 / 8
509128	DN 25 x 1" M fitting	1,5 - 6 bar	25 bar	4 bar	70 °C	500 µm	155,43 €	HD	1 / 8
509129	DN 32 x 1"1/4 M fitting	1,5 - 6 bar	25 bar	4 bar	70 °C	500 µm	324,36 €	HD	1 / 8
509130	DN 40 x 1"1/2 M fitting	1,5 - 6 bar	25 bar	4 bar	70 °C	500 µm	473,02 €	HD	1 / 8

PRV NB



- **Riduttore di pressione regolabile con filtro autopulente senza bocchettoni (certificato secondo la norma UNI EN 1567 per acqua fredda: 30 °C, 16 bar).**
- *Adjustable pressure reducing valve with self-cleaning strainer without fittings (certified according to UNI EN 1567 standard for cold water: 30 °C, 16 bar).*
- **Réducteur de pression réglable avec filtre auto-nettoyant sans raccords (certifié selon la norme UNI EN 1567 pour l'eau froid: 30 °C, 16 bar).**
- *Regelbar Druckminderer mit selbstreigener Kartusche Einsatzt ohne Verschraubungen (Zertifizierung nach Standard UNI EN 1567 für Kaltwasser: 30 °C, 16 bar).*
- **Reductor de presión con regulación y con filtro autolimpiador sin racores (certificado según la norma UNI EN 1567 para el agua fría: 30 °C, 16 bar).**

Code	Size	Range	Max inlet pressure	Preset	Max operating temp.	Filtration capacity	Price	Class	Packaging
509151	DN 15 x 3/4" M	1,5 - 6 bar	25 bar	4 bar	70 °C	500 µm	87,85 €	HD	1 / 8
509152	DN 20 x 1" M	1,5 - 6 bar	25 bar	4 bar	70 °C	500 µm	105,42 €	HD	1 / 8
509153	DN 25 x 1"1/4 M	1,5 - 6 bar	25 bar	4 bar	70 °C	500 µm	122,99 €	HD	1 / 8
509154	DN 32 x 1"1/2 M	1,5 - 6 bar	25 bar	4 bar	70 °C	500 µm	283,81 €	HD	1 / 8
509155	DN 40 x 2" M	1,5 - 6 bar	25 bar	4 bar	70 °C	500 µm	412,21 €	HD	1 / 8

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RDP 00



- **Riduttore di pressione con filtro ispezionabile in entrata e 2 manometri, funzionamento a membrana.**
- *Pressure reducing valve with inspection filter on the inlet and 2 pressure gauges, membrane operation.*
- **Réducteur de pression avec filtre pouvant être inspecté en entrée et 2 manomètres, fonctionnement à membrane.**
- *Druckminderer mit prüfbarem Filter im Eingang und 2 Manometer, Membranbetrieb.*
- **Reductor de presión con filtro ispezionabile en entrada y 2 manómetros, operación de membrana.**

Code	Size	Range	Max inlet pressure	Preset	Max operating temp.	Price	Class	Packaging
509001	1/2" M x 1/2" M	0,5 - 6 bar	25 bar	3 bar	80 °C	120,51 €	HD	1
509002	3/4" M x 3/4" M	0,5 - 6 bar	25 bar	3 bar	80 °C	148,05 €	HD	1

RDP 10



- **Riduttore di pressione, funzionamento a pistone.**
- *Pressure reducing valve, piston operation.*
- **Réducteur de pression, fonctionnement à piston.**
- *Druckminderer, Kolbenbetrieb.*
- **Reductor de presión, operación de pistón.**

Code	Size	Range	Max inlet pressure	Preset	Max operating temp.	Price	Class	Packaging
509003	3/8" F x 3/8" F	1 - 4 bar	15 bar	3 bar	80 °C	25,81 €	HD	1
509004	1/2" F x 1/2" F	1 - 6 bar	15 bar	3 bar	80 °C	26,58 €	HD	5 / 40
509005	3/4" F x 3/4" F	1 - 4 bar	15 bar	3 bar	80 °C	28,57 €	HD	5 / 20

RDP 20



- **Riduttore di pressione con attacco per manometro, funzionamento a pistone.**
- *Pressure reducing valve with pressure gauge coupling, piston operation.*
- **Réducteur de pression avec attache pour manomètre, fonctionnement à piston.**
- *Druckminderer mit Anschluss für Manometer, Kolbenbetrie.*
- **Reductor de presión con ataque por manómetro, operación de pistón.**

Code	Size	Range	Max inlet pressure	Preset	Max operating temp.	Price	Class	Packaging
509006	3/8" F x 3/8" F	1 - 4 bar	15 bar	3 bar	80 °C	26,09 €	HD	1
509007	1/2" F x 1/2" F	1 - 4 bar	15 bar	3 bar	80 °C	26,54 €	HD	5 / 40
509008	3/4" F x 3/4" F	1 - 4 bar	15 bar	3 bar	80 °C	28,79 €	HD	5 / 40

RDP 30



- **Riduttore di pressione con sede in acciaio e attacchi per manometro, funzionamento a pistone.**
- *Pressure reducing valve with steel seat and pressure gauge fittings, piston operation.*
- **Réducteur de pression avec siège en acier et attaches pour manomètre, fonctionnement à piston.**
- *Druckminderer mit Stahlaufnahme und Anschlüssen für Manometer, Kolbenbetrieb.*
- **Reductor de presión con asiento de acero y ataques para manómetro, operación de pistón.**

Code	Size	Range	Max inlet pressure	Preset	Max operating temp.	Price	Class	Packaging
509009	3/8" F x 3/8" F	1 - 6 bar	25 bar	3 bar	80 °C	46,61 €	HD	1
509010	1/2" F x 1/2" F	1 - 6 bar	25 bar	3 bar	80 °C	55,96 €	HD	4 / 32
509011	3/4" F x 3/4" F	1 - 6 bar	25 bar	3 bar	80 °C	62,03 €	HD	2 / 8
509012	1" F x 1" F	1 - 6 bar	25 bar	3 bar	80 °C	90,43 €	HD	1 / 4
509013	1"1/4 F x 1"1/4 F	1 - 6 bar	25 bar	3 bar	80 °C	181,07 €	HD	1 / 4
509014	1"1/2 F x 1"1/2 F	1 - 6 bar	25 bar	3 bar	80 °C	203,07 €	HD	1 / 4
509015	2" F x 2" F	1 - 6 bar	25 bar	3 bar	80 °C	305,08 €	HD	3
509016	2"1/2 F x 2"1/2 F	1 - 6 bar	25 bar	3 bar	80 °C	529,30 €	HD	1
509017	3" F x 3" F	1 - 6 bar	25 bar	3 bar	80 °C	739,10 €	HD	1
509018	4" F x 4" F	1 - 6 bar	25 bar	3 bar	80 °C	1.686,94 €	HD	1

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RDP 40



- **Riduttore di pressione con sede in acciaio e attacchi per manometro, funzionamento a pistone.**
- *Pressure reducing valve with steel seat and pressure gauge fittings, piston operation.*
- **Réducteur de pression avec siège en acier et attaches pour manomètre, fonctionnement à piston.**
- *Druckminderer mit Stahlaufnahme und Anschlüssen für Manometer, Kolbenbetrieb.*
- **Reductor de presión con asiento en acero y ataques por manómetros, operación de pistón.**

Code	Size	Range	Max inlet pressure	Preset	Max operating temp.	Price	Class	Packaging
509020	1/2" M x 1/2" M	1 - 6 bar	25 bar	3 bar	80 °C	64,20 €	HD	3
509021	3/4" M x 3/4" M	1 - 6 bar	25 bar	3 bar	80 °C	87,21 €	HD	3 / 24
509022	1" M x 1" M	1 - 6 bar	25 bar	3 bar	80 °C	122,54 €	HD	1 / 8
509023	1"1/4 M x 1"1/4 M	1 - 6 bar	25 bar	3 bar	80 °C	242,24 €	HD	1
509024	1"1/2 M x 1"1/2 M	1 - 6 bar	25 bar	3 bar	80 °C	256,71 €	HD	1
509025	2" M x 2" M	1 - 6 bar	25 bar	3 bar	80 °C	391,34 €	HD	2

MA 00



- **Manometro con attacco radiale.**
- *Pressure gauge with radial coupling.*
- **Manomètre avec attache radiale.**
- *Manometer mit Radialanschluss.*
- **Manómetro con ataque radial.**

Code	Size	Range	Price	Class	Packaging
509065	1/4" M	0-16 bar	10,40 €	HD	1 / 32

MA 16



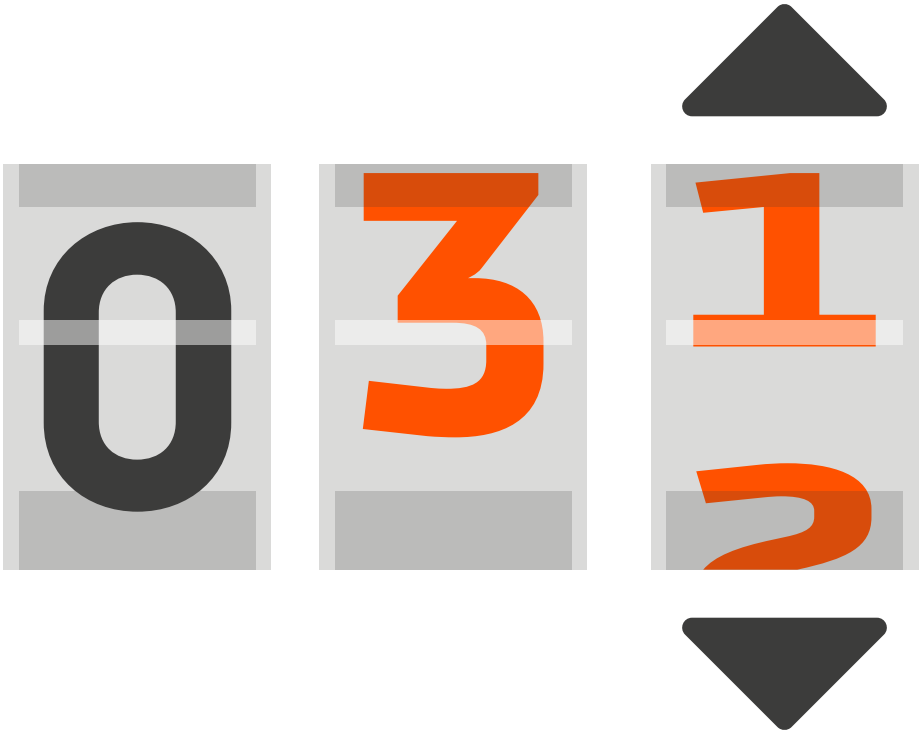
- **Manometro con attacco posteriore.**
- *Pressure gauge with rear connection.*
- **Manomètre avec embout postérieur.**
- *Manometer mit rückwärtigem Anschluss.*
- **Manómetro con conexión posterior.**

Code	Size	Range	Price	Class	Packaging
509066	1/4" M	0-16 bar	10,40 €	HD	1 / 32

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METERING SYSTEMS



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Focus tecnici

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Détails techniques

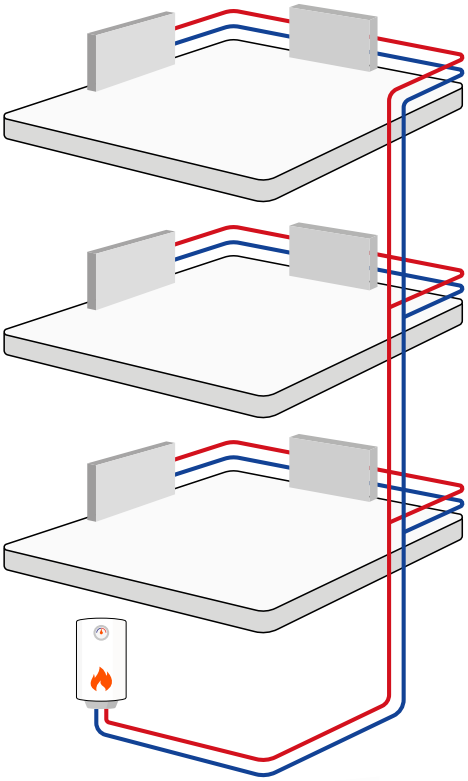
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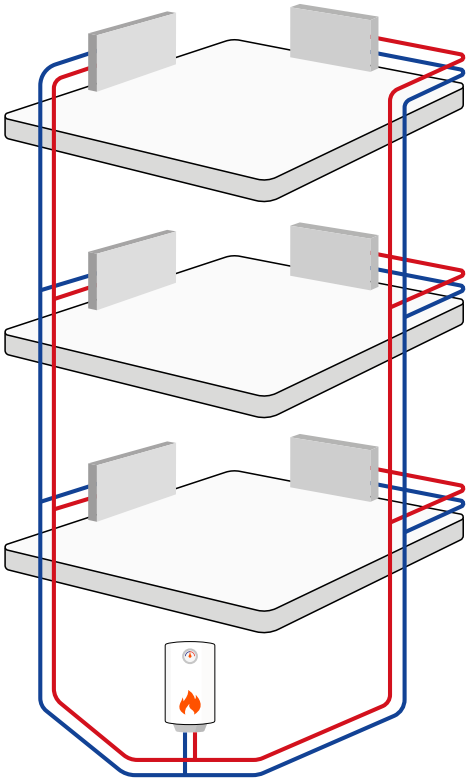
DOWNLOAD
Technische Details

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Profundizaciónes técnicas

In apartment buildings characterised by a single heat generator, current energy-saving standards make it mandatory to apply thermoregulation and heat metering systems which give the individual users management autonomy, and at the same time to correctly allocate heat costs among residents.
For horizontal loop distribution systems (a), IVAR proposes user modules for direct heat metering by means of meters. User modules are units developed for direct metering of heat and DHW which include a wide range of functions to control the heating system: a zone valve, a filter, shut-off and balancing valves. Both solutions with three-way zone valve for fixed flow rate systems and two-way zone valves for variable flow rate systems are available. For satellite modules please look the at the dedicated section.
On the other hand, the offer for vertical distribution systems (b) is based on indirect metering devices with heat cost allocators.







(a)



(b)



Moduli a 3 vie per la contabilizzazione diretta EQUIMETER e MC
3-way modules for direct metering EQUIMETER and MC
Modules à 3 voies pour la comptabilisation directe EQUIMETER et MC
3-Wege-Module zur Direkten Messung EQUIMETER und MC
Módulos de 3 vías para la contabilización directa EQUIMETER y MC — **462**



Moduli a 2 vie per la contabilizzazione diretta EQUICOMPACT®, EQUIDYNAMIC e MC4
2-way modules for direct metering EQUICOMPACT®, EQUIDYNAMIC and MC4
Modules à 2 voies pour la comptabilisation directe EQUICOMPACT®, EQUIDYNAMIC et MC4
2-Wege-Module zur Direkten Messung EQUICOMPACT®, EQUIDYNAMIC und MC4
Módulos de 2 vías para la contabilización directa EQUICOMPACT®, EQUIDYNAMIC y MC4 — **472**



Moduli per la contabilizzazione diretta dell'acqua sanitaria
Modules for domestic water direct metering
Modules pour la comptabilisation directe de l'eau sanitaire
Module zur Direkten Messung von Trinkwasser
Módulos para la contabilización directa del agua sanitaria — **484**



Moduli di contabilizzazione diretta per applicazioni speciali
Direct metering modules for special applications
Modules de comptabilisation directe pour des applications spéciales
Module zur Direkten Messung für Spezielle Anwendungen
Módulos de contabilización directa para aplicaciones especiales — **485**



Accessori per moduli di contabilizzazione diretta
Accessories for direct metering modules
Accessoires pour modules de comptabilisation directe
Zubehör für Module zur Direkten Messung
Accesorios para módulos de contabilización directa — **492**



Contatori per la contabilizzazione diretta
Meters for direct metering
Compteurs pour la comptabilisation directe
Zähler für Direkte Messung
Contadores para la contabilización directa — **494**



Sistema CALOR•MET per la contabilizzazione indiretta del calore
CALOR•MET system for heat indirect metering
Système CALOR•MET pour la comptabilisation indirecte de la chaleur
System CALOR•MET zur Indirekten Messung von Wärme
Sistema CALOR•MET para la contabilización indirecta de calor — **501**



Dispositivi per centralizzazione dati
Devices for data centralisation
Dispositifs pour la centralisation des données
Vorrichtungen zur Datenzentralisierung
Dispositivos para centralizar los datos — **508**

3-WAY MODULES

EQUIMETER

EQUIMETER is a compact three-way metering module which offers the option to regulate both supply and by-pass section by exploiting the flow reading of the heat meter, simplifying hydraulic balancing operations. Available in two power/flow rate variants, it houses a 1.5 m^3/h or 2.5 m^3/h heat meter, while still keeping the main G 3/4" flat seal connections to the upright columns and to the utilities. DHW lines are customisable and allow up to three displacement meters to be installed, or up to two by adding a thermostatic mixing valve. EQUIMETER are supplied on a frame, pre-assembled or in a jig with separate components. The cabinet and all the electronic components are supplied separately; electronic devices are chosen depending on the individual installations thanks to a complete range of meters for direct reading on individual devices or concentration of data at a single reading point by means of M-BUS or RADIO protocol.

EQUIMETER power (*) with Kv=2.25: approximately 14 kW
EQUIMETER power (*) with Kv=2.75: approximately 17 kW

(*) Thermal gradient = 10 °C; differential pressure at ends of module = 300 mbar

MC

MC is a classical pre-assembled module intended to meet high flow rate requirements thanks to the low hydraulic resistance of the circuit. MC is available in two power/flow rate variants, with different corresponding connections to the upright columns and to the utilities: MC1 has G 1" connections and can house heat meters from 2.5 m^3/h. MC2 is equipped with G 1" 1/4 connections and can house larger meters with G 1" 1/4 connections and a nominal flow rate of 3.5 or 6.0 m^3/h. In this case again the DHW lines are customisable and allow up to three displacement meters to be installed, or up to two with thermostatic mixing valve. Heat module and DHW module are on different frames and can be built according to requirements. The cabinet and all the electronic components are supplied separately; electronic devices are chosen depending on the individual installations thanks to a complete range of meters for direct reading on individual devices or concentration of data at a single reading point by means of M-BUS or RADIO protocol.

MC power (*) with Kv=3.5: approximately 22 kW
MC power (*) with Kv=7.0(**): approximately 35 kW

(*) Thermal gradient = 10 °C; differential pressure at ends of module = 300 mbar
(**) Kv=7.0 is supplied with ultrasound meter application with nominal flow rate of 6.0 m^3/h

PLUS (EQUIMETER)

- **Freely configurable with volumetric meters for DHW, DCW and dual water**
- **Simplified and patented procedure for balancing utilities**
- **Connections to utilities with 3/4" flat-seal fittings for all versions**
- **Pre-assembled or in a template with separate components**

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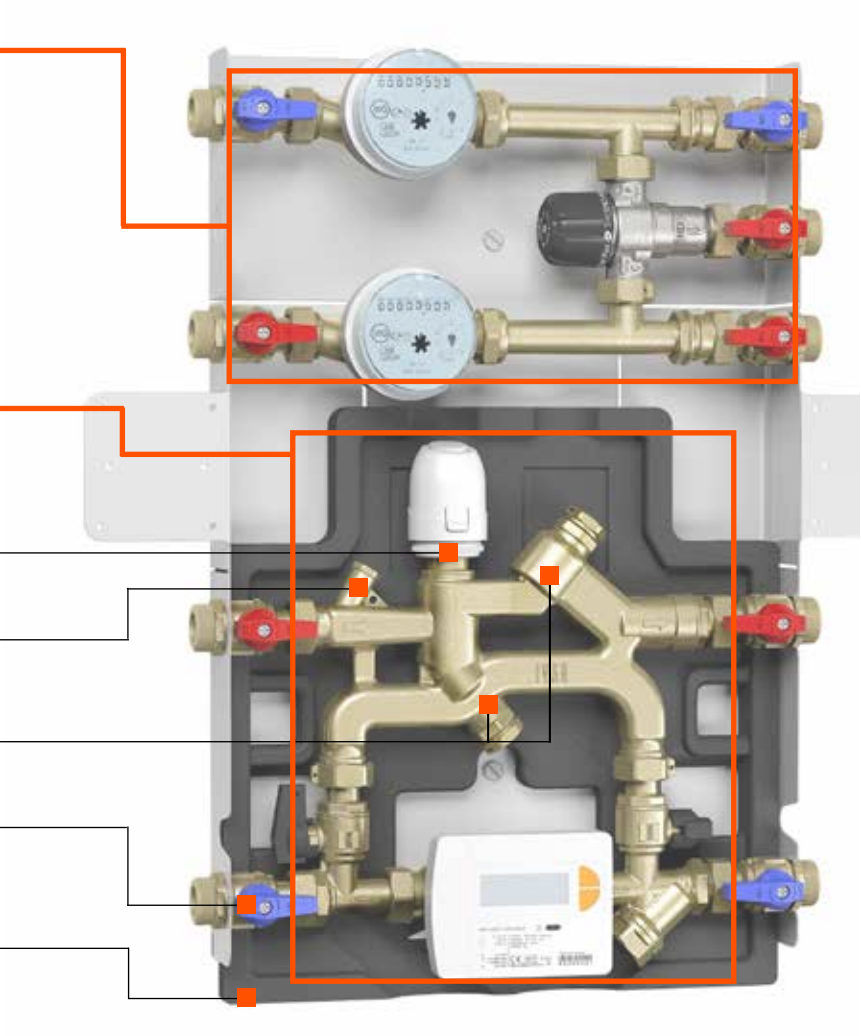
EQUIMETER

DOMESTIC WATER LINES

Customizable with no, 1, 2 or 3 meters

Available with 2 domestic water lines and anti-scald thermostatic mixer

CONTROL BLOCK



3-Way zone valve with piston

Well for delivery heat meter probe

Inlet and bypass balancing valves

Components can be cut off with ball valves

Thermally insulated heat block

PATENTED SYSTEM

"In-line" balancing with instantaneous flow rate reading on the meter **both in delivery** (fig. 1) **and in bypass** (**balancing and operation**, fig. 2 and 3).

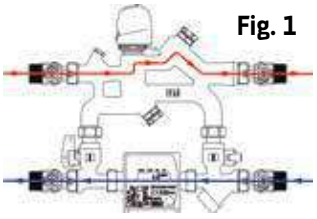


Fig. 1

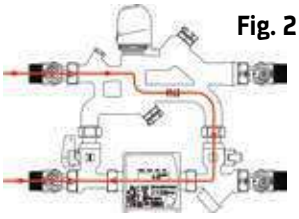


Fig. 2

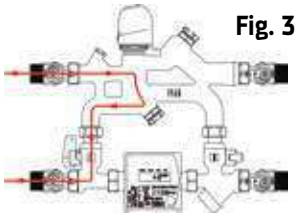


Fig. 3

KEY FOR METERING UNITS

Heating units.

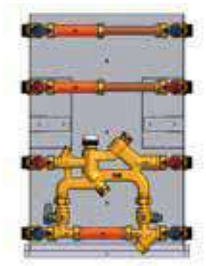
Domestic cold water units.

Domestic hot water units.

Thermostatic mixer.

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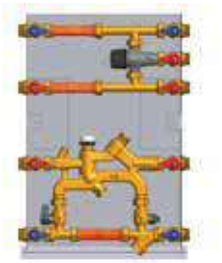
EQM1 (Kv 2,25) - EQM2 (Kv 2,75)



- **Modulo di contabilizzazione Equimeter per impianti di riscaldamento e raffrescamento con unità per calore, acqua calda sanitaria e acqua fredda sanitaria**
- *Equimeter metering module for heating and cooling systems with units for heat, domestic hot water and domestic cold water*
- **Module de comptabilisation Equimeter pour les systèmes de chauffage et de refroidissement avec unités pour chaleur, eau chaude sanitaire et eau froide sanitaire**
- *Messungsmodul Equimeter für Heiz- und Kühlsysteme mit Einheiten für Wärme, Trinkwarmwasser und Trinkkaltwasser*
- **Módulo de contabilización Equimeter para sistemas de calefacción y refrigeración con unidades para calor, agua caliente sanitaria y agua fría sanitaria**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506370	Kv 2,25 (Qn 1,5 m³/h) - G 3/4"	HOT+COLD (Q3 2,5 m³/h) - G 3/4"	200085	550 mm	591,66 €	UA	1
506371	Kv 2,75 (Qn 2,5 m³/h) - G 3/4"	HOT+COLD (Q3 2,5 m³/h) - G 3/4"	200085	550 mm	626,98 €	UA	1

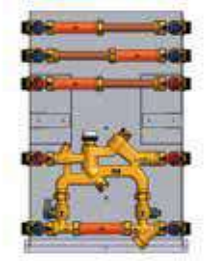
EQM11 (Kv 2,25) - EQM21 (Kv 2,75)



- **Modulo di contabilizzazione Equimeter per impianti di riscaldamento e raffrescamento con unità per calore, acqua calda sanitaria, acqua fredda sanitaria e miscelatore termostatico**
- *Equimeter metering module for heating and cooling systems with units for heat, domestic hot water, domestic cold water and thermostatic mixer*
- **Module de comptabilisation Equimeter pour les systèmes de chauffage et de refroidissement avec unités pour chaleur, eau chaude sanitaire, eau froide sanitaire et limiteur de température**
- *Messungsmodul Equimeter für Heiz- und Kühlsysteme mit Einheiten für Wärme, Trinkwarmwasser, Trinkkaltwasser und thermostatischem Mischer*
- **Módulo de contabilización Equimeter para sistemas de calefacción y refrigeración con unidades para calor, agua caliente sanitaria, agua fría sanitaria y mezclador termostático**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506372	Kv 2,25 (Qn 1,5 m³/h) - G 3/4"	HOT+COLD (Q3 2,5 m³/h) + MIX - G 3/4"	200085	550 mm	685,41 €	UA	1
506373	Kv 2,75 (Qn 2,5 m³/h) - G 3/4"	HOT+COLD (Q3 2,5 m³/h) + MIX - G 3/4"	200085	550 mm	698,63 €	UA	1

EQM12 (Kv 2,25) - EQM22 (Kv 2,75)



- **Modulo di contabilizzazione Equimeter per impianti di riscaldamento e raffrescamento con unità per calore, acqua calda sanitaria, acqua fredda sanitaria e acqua fredda duale**
- *Equimeter metering module for heating and cooling systems with units for heat, domestic hot water, domestic cold water and dual cold water*
- **Module de comptabilisation Equimeter pour les systèmes de chauffage et de refroidissement avec unités pour chaleur, eau chaude sanitaire, eau froide sanitaire et eau froide duale**
- *Messungsmodul Equimeter für Heiz- und Kühlsysteme mit Einheiten für Wärme, Trinkwarmwasser, Trinkkaltwasser und Dualkaltwasser*
- **Módulo de contabilización Equimeter para sistemas de calefacción y refrigeración con unidades para calor, agua caliente sanitaria, agua fría sanitaria y agua fría dual**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506374	Kv 2,25 (Qn 1,5 m³/h) - G 3/4"	HOT+COLD+DUAL (Q3 2,5 m³/h) - G 3/4"	200085	550 mm	642,24 €	UA	1
506375	Kv 2,75 (Qn 2,5 m³/h) - G 3/4"	HOT+COLD+DUAL (Q3 2,5 m³/h) - G 3/4"	200085	550 mm	663,56 €	UA	1



- **>> p. 493**



- **>> p. 220,360,396,467,478**



- **Contatore di calore >> p. 494**
- *Heat meter >> p. 494*
- **Compteur de chaleur >> p. 494**
- *Wärmezähler >> p. 494*
- **Contador de calor >> p. 494**



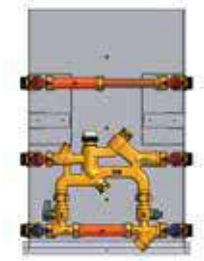
- **Contatore ACS >> p. 496**
- *DHW meter >> p. 496*
- **Compteur ECS >> p. 496**
- *BWW Zähler >> p. 496*
- **Contador ACS >> p. 496**



- **Contatore AFS >>p. 496**
- *DCW meter >>p. 496*
- **Compteur EFS >>p. 496**
- *BKW Zähler >>p. 496*
- **Contador AFS >>p. 496**

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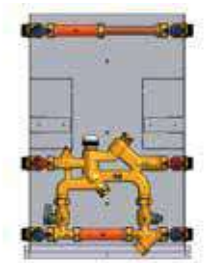
EQM13 (Kv 2,25) - EQM23 (Kv 2,75)



- **Modulo di contabilizzazione Equimeter per impianti di riscaldamento e raffrescamento con unità per calore e acqua calda sanitaria**
- *Equimeter metering module for heating and cooling systems with units for heat and domestic hot water*
- **Module de comptabilisation Equimeter pour les systèmes de chauffage et de refroidissement avec unités pour chaleur et eau chade sanitaire**
- *Messungsmodul Equimeter für Heiz- und Kühlsysteme mit Einheiten für Wärme und Trinkwarmwasser*
- **Módulo de contabilización Equimeter para sistemas de calefacción y refrigeración con unidades para calor y agua caliente sanitaria**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506376	Kv 2,25 (Qn 1,5 m³/h) - G 3/4"	HOT (Q3 2,5 m³/h) - G 3/4"	200085	550 mm	531,72 €	UA	1
506377	Kv 2,75 (Qn 2,5 m³/h) - G 3/4"	HOT (Q3 2,5 m³/h) - G 3/4"	200085	550 mm	553,06 €	UA	1

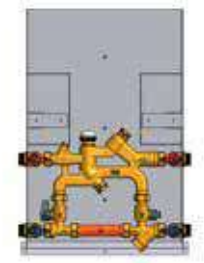
EQM14 (Kv 2,25) - EQM24 (Kv 2,75)



- **Modulo di contabilizzazione Equimeter per impianti di riscaldamento e raffrescamento con unità per calore e acqua fredda sanitaria**
- *Equimeter metering module for heating and cooling systems with units for heat and domestic cold water*
- **Module de comptabilisation pour les systèmes de chauffage et de refroidissement Equimeter avec unités pour chaleur et eau froide sanitaire**
- *Messungsmodul Equimeter für Heiz- und Kühlsysteme mit Einheiten für Wärme und Trinkkaltwasser*
- **Módulo de contabilización Equimeter para sistemas de calefacción y refrigeración con unidades para calor y agua fría sanitaria**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506378	Kv 2,25 (Qn 1,5 m³/h) - G 3/4"	COLD (Q3 2,5 m³/h) - G 3/4"	200085	550 mm	529,61 €	UA	1
506379	Kv 2,75 (Qn 2,5 m³/h) - G 3/4"	COLD (Q3 2,5 m³/h) - G 3/4"	200085	550 mm	550,91 €	UA	1

EQM15 (Kv 2,25) - EQM25 (Kv 2,75)



- **Modulo di contabilizzazione Equimeter per impianti di riscaldamento e raffrescamento solo con unità per il calore**
- *Equimeter metering module for heating and cooling systems with unit for heat only*
- **Module de comptabilisation Equimeter pour les systèmes de chauffage et de refroidissement uniquement avec unité pour la chaleur**
- *Messungsmodul Equimeter für Heiz- und Kühlsysteme nur mit Einheit für Wärme*
- **Módulo de contabilización Equimeter para sistemas de calefacción y refrigeración sólo con unidad para el calor**

Code	Heat unit	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506380	Kv 2,25 (Qn 1,5 m³/h) - G 3/4"	200085	550 mm	454,72 €	UA	1
506381	Kv 2,75 (Qn 2,5 m³/h) - G 3/4"	200085	550 mm	495,65 €	UA	1

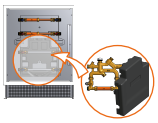
AC 110



- **Kit sdoppiatore lato utenza per moduli Equimeter.**
- *Splitter fittings kit for Equimeter modules outakes.*
- **Kit de raccords dédoubleurs pour les sorties des modules Equimeter.**
- *Vertdoppler-Anschlüße-Bausatz für die Ausgängen der Module Equimeter.*
- **Kit de accesorios divisores para las salidas de los módulos Equimeter.**

Code	Size	Price	Class	Packaging
509131	3/4"	143,24 €	UA	1

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For the supply of modules in separate components (template + functional blocks) please refer to the following tables.

EQM1/2 Template



- **Dima per modulo di contabilizzazione Equimeter con unità per calore, acqua calda sanitaria e acqua fredda sanitaria.**
- *Template for Equimeter metering module with units for heat, domestic hot water and domestic cold water.*
- **Gabarit pour module de comptabilisation Equimeter avec unités pour chaleur, eau chaude sanitaire et eau froide sanitaire.**
- *Schablone für Messungsmodul Equimeter mit Einheiten für Wärme, Trinkwarmwasser und Trinkkaltwasser.*
- **Plantilla para módulo de contabilización Equimeter con unidades para calor, agua caliente sanitaria y agua fría sanitaria.**

Code	Suitable Cabinet	Price	Class	Packaging
509161	200085	326,50 €	UA	1

EQM11/21 Template



- **Dima per modulo di contabilizzazione Equimeter con unità per calore, acqua calda sanitaria, acqua fredda sanitaria e miscelatore termostatico.**
- *Template for Equimeter metering module with units for heat, domestic hot water, domestic cold water and thermostatic mixer.*
- **Gabarit pour module de comptabilisation Equimeter avec unités pour chaleur, eau chaude sanitaire, eau froide sanitaire et limiteur de température.**
- *Schablone für Messungsmodul Equimeter mit Einheiten für Wärme, Trinkwarmwasser, Trinkkaltwasser und thermostatischem Mischer.*
- **Plantilla para módulo de contabilización Equimeter con unidades para calor, agua caliente sanitaria, agua fría sanitaria y mezclador termostático.**

Code	Suitable Cabinet	Price	Class	Packaging
509162	200085	411,26 €	UA	1

EQM12/22 Template



- **Dima per modulo di contabilizzazione Equimeter con unità per calore, acqua calda sanitaria, acqua fredda sanitaria e acqua fredda duale.**
- *Template for Equimeter metering module with units for heat, domestic hot water, domestic cold water and dual cold water.*
- **Gabarit pour module de comptabilisation Equimeter avec unités pour chaleur, eau chaude sanitaire, eau froide sanitaire et eau froide duale.**
- *Schablone für Messungsmodul Equimeter mit Einheiten für Wärme, Trinkwarmwasser, Trinkkaltwasser und Dualkaltwasser.*
- **Plantilla para módulo de contabilización Equimeter con unidades para calor, agua caliente sanitaria, agua fría sanitaria y agua fría dual.**

Code	Suitable Cabinet	Price	Class	Packaging
509163	200085	376,01 €	UA	1

EQM13/23 Template



- **Dima per modulo di contabilizzazione Equimeter con unità per calore e acqua calda sanitaria.**
- *Template for Equimeter metering module with units for heat and domestic hot water.*
- **Gabarit pour module de comptabilisation Equimeter avec unités pour chaleur et eau chade sanitaire.**
- *Schablone für Messungsmodul Equimeter mit Einheiten für Wärme und Trinkwarmwasser.*
- **Plantilla para módulo de contabilización Equimeter con unidades para calor y agua caliente sanitaria.**

Code	Suitable Cabinet	Price	Class	Packaging
509164	200085	271,03 €	UA	1

EQM14/24 Template



- **Dima per modulo di contabilizzazione Equimeter con unità per calore e acqua fredda sanitaria.**
- *Template for Equimeter metering module with units for heat and domestic cold water.*
- **Gabarit pour module de comptabilisation Equimeter avec unités pour chaleur et eau froide sanitaire.**
- *Schablone für Messungsmodul Equimeter mit Einheiten für Wärme und Trinkkaltwasser.*
- **Plantilla para módulo de contabilización Equimeter con unidades para calor y agua fría sanitaria.**

Code	Suitable Cabinet	Price	Class	Packaging
509165	200085	268,89 €	UA	1

EQM15/25 Template



- **Dima per modulo di contabilizzazione Equimeter solo con unità per il calore.**
- *Template for Equimeter metering module with unit for heat only.*
- **Gabarit pour module de comptabilisation Equimeter uniquement avec unité pour la chaleur.**
- *Schablone für Messungsmodul Equimeter nur mit Einheit für Wärme.*
- **Plantilla para módulo de contabilización Equimeter sólo con unidad para el calor.**

Code	Suitable Cabinet	Price	Class	Packaging
509166	200085	213,65 €	UA	1

EQM1 Complementary module



- **Modulo complementare per EQUIMETER (Kv 2,25).**
- *Complementary module for EQUIMETER (Kv 2,25).*
- **Module complémentaire pour EQUIMETER (Kv 2,25).**
- *Ergänzungsmodul für EQUIMETER (Kv 2,25).*
- **Módulo complementario para EQUIMETER (Kv 2,25).**

Code	Heat unit	Price	Class	Packaging
KSB0028	Kv 2,25 (Qn 1,5 m³/h) - G 3/4"	318,83 €	UA	1

EQM2 Complementary module



- **Modulo complementare per EQUIMETER (Kv 2,75).**
- *Complementary module for EQUIMETER (Kv 2,75).*
- **Module complémentaire pour EQUIMETER (Kv 2,75).**
- *Ergänzungsmodul für EQUIMETER (Kv 2,75).*
- **Módulo complementario para EQUIMETER (Kv 2,75).**

Code	Heat unit	Price	Class	Packaging
KSB0033	Kv 2,75 (Qn 2,5 m³/h) - G 3/4"	322,08 €	UA	1

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TE 3040 IV



- **Testa elettrotermica normalmente chiusa (2 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 40 mm.**
- *Electrothermal head normally closed (2 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 40 mm.*
- **Tête électrothermique normalement fermée (2 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 40 mm.**
- *Elektrothermischer Stellantriebe stromlos-zu (2 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 40 mm.*
- **Cabeza electrotérmica normalmente cerrada (de 2 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 40 mm.**

Code	Size	Price	Class	Packaging
501508E	M30 x 1,5 ; ON / OFF (230 V AC)	29,64 €	AC	1 / 100

TE 3040



- **Testa elettrotermica normalmente chiusa (2 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 50 mm (no EASY-RADIANT).**
- *Electrothermal head normally closed (2 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 50 mm (no EASY-RADIANT).*
- **Tête électrothermique normalement fermée (2 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 50 mm (non EASY-RADIANT).**
- *Elektrothermischer Stellantriebe stromlos-zu (2 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 50 mm (keine EASY-RADIANT).*
- **Cabeza electrotérmica normalmente cerrada (de 2 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 50 mm (no EASY-RADIANT).**

Code	Size	Price	Class	Packaging
501508	M30 x 1,5 ; ON / OFF (230 V AC)	36,60 €	AC	1 / 100
501524	M30 x 1,5 ; ON / OFF (24 V AC/DC)	36,60 €	AC	100

TE 3050 MC



- **Testa elettrotermica normalmente chiusa con contatto di fine corsa (4 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 40 mm.**
- *Electrothermal head normally closed with limit switch contact (4 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 40 mm.*
- **Tête électrothermique normalement fermée avec contact de fin de course (4 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 40 mm.**
- *Elektrothermischer Stellantriebe stromlos-zu mit Endschalterkontakt (4 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 40 mm.*
- **Cabeza electrotérmica normalmente cerrada con contacto de fin de carrera (de 4 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 40 mm.**

Code	Size	Price	Class	Packaging
500808MC	M30 x 1,5 ; ON / OFF (230 V AC)	43,43 €	AC	100

TE 3050 M



- **Testa elettrotermica normalmente chiusa con contatto di fine corsa (4 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 50 mm (no EASY-RADIANT).**
- *Electrothermal head normally closed with limit switch contact (4 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 50 mm (no EASY-RADIANT).*
- **Tête électrothermique normalement fermée avec contact de fin de course (4 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 50 mm (non EASY-RADIANT).**
- *Elektrothermischer Stellantriebe stromlos-zu mit Endschalterkontakt (4 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 50 mm (keine EASY-RADIANT).*
- **Cabeza electrotérmica normalmente cerrada con contacto de fin de carrera (de 4 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 50 mm (no EASY-RADIANT).**

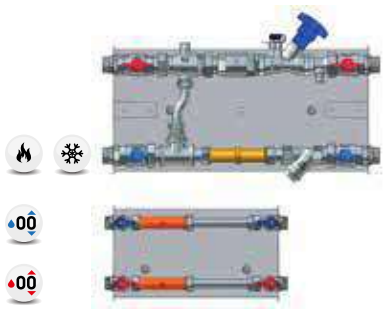
Code	Size	Price	Class	Packaging
500808M	M30 x 1,5 ; ON / OFF (230 V AC)	43,43 €	AC	100
500028M	M30 x 1,5 ; ON / OFF (24 V AC/DC)	43,43 €	AC	1 / 100



• >> p. 493

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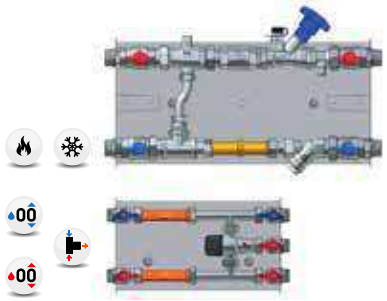
MC1 (Kv 3,50) - MC2 (Kv 7,00)



- **Modulo di contabilizzazione MC1/MC2 per impianti di riscaldamento e raffrescamento con unità per calore, acqua calda sanitaria e acqua fredda sanitaria**
- *MC1/MC2 metering module for heating and cooling systems with units for heat, domestic hot water and domestic cold water*
- **Module de comptabilisation MC1/MC2 pour les systèmes de chauffage et de refroidissement avec unités pour chaleur, eau chaude sanitaire et eau froide sanitaire**
- *Messungsmodul MC1/MC2 für Heiz- und Kühlsysteme mit Einheiten für Wärme, Trinkwarmwasser und Trinkkaltwasser*
- **Módulo de contabilización MC1/MC2 para sistemas de calefacción y refrigeración con unidades para calor, agua caliente sanitaria y agua fría sanitaria**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506500	Kv 3,50 (Qn 2,5 m³/h) - G 1"	HOT+COLD (Q3 2,5 m³/h) - G 3/4"	200090	700 mm	876,90 €	UA	1
506501	Kv 3,50 (Qn 2,5 m³/h) - G 1"	HOT+COLD (Q3 4 m³/h) - G 1"	200090	700 mm	972,77 €	UA	1
506510	Kv 7,00 (Qn 3,5 - 6 m³/h) - G 1"1/4	HOT+COLD (Q3 2,5 m³/h) - G 3/4"	200190	900 mm	918,14 €	UA	1
506511	Kv 7,00 (Qn 3,5 - 6 m³/h) - G 1"1/4	HOT+COLD (Q3 4 m³/h) - G 1"	200190	900 mm	1.013,97 €	UA	1

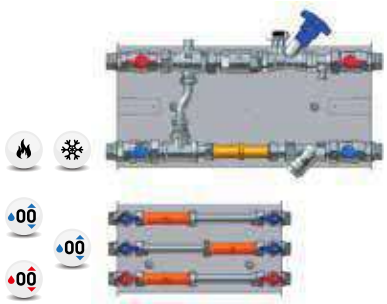
MC11 (Kv 3,50) - MC21 (Kv 7,00)



- **Modulo di contabilizzazione MC1/MC2 per impianti di riscaldamento e raffrescamento con unità per calore, acqua calda sanitaria, acqua fredda sanitaria e miscelatore termostatico**
- *MC1/MC2 metering module for heating and cooling systems with units for heat, domestic hot water, domestic cold water and thermostatic mixer*
- **Module de comptabilisation MC1/MC2 pour les systèmes de chauffage et de refroidissement avec unités pour chaleur, eau chaude sanitaire, eau froide sanitaire et limiteur de température**
- *Messungsmodul MC1/MC2 für Heiz- und Kühlsysteme mit Einheiten für Wärme, Trinkwarmwasser, Trinkkaltwasser und thermostatischem Mischer*
- **Módulo de contabilización MC1/MC2 para sistemas de calefacción y refrigeración con unidades para calor, agua caliente sanitaria, agua fría sanitaria y mezclador termostático**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506502	Kv 3,50 (Qn 2,5 m³/h) - G 1"	HOT+COLD (Q3 2,5 m³/h) + MIX - G 3/4"	200090	700 mm	952,74 €	UA	1
506512	Kv 7,00 (Qn 3,5 - 6 m³/h) - G 1"1/4	HOT+COLD (Q3 2,5 m³/h) + MIX - G 3/4"	200190	900 mm	993,97 €	UA	1

MC12 (Kv 3,50) - MC22 (Kv 7,00)

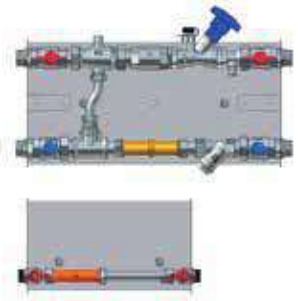


- **Modulo di contabilizzazione MC1/MC2 per impianti di riscaldamento e raffrescamento con unità per calore, acqua calda sanitaria, acqua fredda sanitaria e acqua fredda duale**
- *MC1/MC2 metering module for heating and cooling systems with units for heat, domestic hot water, domestic cold water and dual cold water*
- **Module de comptabilisation MC1/MC2 pour les systèmes de chauffage et de refroidissement avec unités pour chaleur, eau chaude sanitaire, eau froide sanitaire et eau froide duale**
- *Messungsmodul MC1/MC2 für Heiz- und Kühlsysteme mit Einheiten für Wärme, Trinkwarmwasser, Trinkkaltwasser und Dualkaltwasser*
- **Módulo de contabilización MC1/MC2 para sistemas de calefacción y refrigeración con unidades para calor, agua caliente sanitaria, agua fría sanitaria y agua fría dual**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506503	Kv 3,50 (Qn 2,5 m³/h) - G 1"	HOT+COLD+DUAL (Q3 2,5 m³/h) - G 3/4"	200090	700 mm	921,99 €	UA	1
506504	Kv 3,50 (Qn 2,5 m³/h) - G 1"	HOT+COLD+DUAL (Q3 4 m³/h) - G 1"	200090	700 mm	1.077,43 €	UA	1
506513	Kv 7,00 (Qn 3,5 - 6 m³/h) - G 1"1/4	HOT+COLD+DUAL (Q3 2,5 m³/h) - G 3/4"	200190	900 mm	963,21 €	UA	1
506514	Kv 7,00 (Qn 3,5 - 6 m³/h) - G 1"1/4	HOT+COLD+DUAL (Q3 4 m³/h) - G 1"	200190	900 mm	1.118,65 €	UA	1

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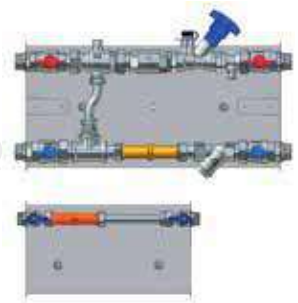
MC13 (Kv 3,50) - MC23 (Kv 7,00)



- **Modulo di contabilizzazione MC1/MC2 per impianti di riscaldamento e raffrescamento con unità per calore e acqua calda sanitaria**
- *MC1/MC2 metering module for heating and cooling systems with units for heat and domestic hot water*
- **Module de comptabilisation MC1/MC2 pour les systèmes de chauffage et de refroidissement avec unités pour chaleur et eau chade sanitaire**
- *Messungsmodul MC1/MC2 für Heiz- und Kühlsysteme mit Einheiten für Wärme und Trinkwarmwasser*
- **Módulo de contabilización MC1/MC2 para sistemas de calefacción y refrigeración con unidades para calor y agua caliente sanitaria**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506505	Kv 3,50 (Qn 2,5 m³/h) - G 1"	HOT (Q3 2,5 m³/h) - G 3/4"	200090	700 mm	807,16 €	UA	1
506506	Kv 3,50 (Qn 2,5 m³/h) - G 1"	HOT (Q3 4 m³/h) - G 1"	200090	700 mm	859,46 €	UA	1
506515	Kv 7,00 (Qn 3,5 - 6 m³/h) - G 1"1/4	HOT (Q3 2,5 m³/h) - G 3/4"	200190	900 mm	848,37 €	UA	1
506516	Kv 7,00 (Qn 3,5 - 6 m³/h) - G 1"1/4	HOT (Q3 4 m³/h) - G 1"	200190	900 mm	900,68 €	UA	1

MC14 (Kv 3,50) - MC24 (Kv 7,00)



- **Modulo di contabilizzazione MC1/MC2 per impianti di riscaldamento e raffrescamento con unità per calore e acqua fredda sanitaria**
- *MC1/MC2 metering module for heating and cooling systems with units for heat and domestic cold water*
- **Module de comptabilisation MC1/MC2 pour les systèmes de chauffage et de refroidissement avec unités pour chaleur et eau froide sanitaire**
- *Messungsmodul MC1/MC2 für Heiz- und Kühlsysteme mit Einheiten für Wärme und Trinkkaltwasser*
- **Módulo de contabilización MC1/MC2 para sistemas de calefacción y refrigeración con unidades para calor y agua fría sanitaria**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506507	Kv 3,50 (Qn 2,5 m³/h) - G 1"	COLD (Q3 2,5 m³/h) - G 3/4"	200090	700 mm	805,01 €	UA	1
506508	Kv 3,50 (Qn 2,5 m³/h) - G 1"	COLD (Q3 4 m³/h) - G 1"	200090	700 mm	859,46 €	UA	1
506517	Kv 7,00 (Qn 3,5 - 6 m³/h) - G 1"1/4	COLD (Q3 2,5 m³/h) - G 3/4"	200190	900 mm	846,23 €	UA	1
506518	Kv 7,00 (Qn 3,5 - 6 m³/h) - G 1"1/4	COLD (Q3 4 m³/h) - G 1"	200190	900 mm	900,68 €	UA	1

MC15 (Kv 3,50) - MC25 (Kv 7,00)



- **Modulo di contabilizzazione MC1/MC2 per impianti di riscaldamento e raffrescamento solo con unità per il calore**
- *MC1/MC2 metering module for heating and cooling systems with unit for heat only*
- **Module de comptabilisation pour les systèmes de chauffage et de refroidissement MC1/MC2 uniquement avec unité pour la chaleur**
- *Messungsmodul MC1/MC2 für Heiz- und Kühlsysteme nur mit Einheit für Wärme*
- **Módulo de contabilización MC1/MC2 para sistemas de calefacción y refrigeración sólo con unidad para el calor**

Code	Heat unit	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506509	Kv 3,50 (Qn 2,5 m³/h) - G 1"	200090	700 mm	723,12 €	UA	1
506519	Kv 7,00 (Qn 3,5 - 6 m³/h) - G 1"1/4	200190	900 mm	760,16 €	UA	1



- **>> p. 204,322,395,493**



- **>> p. 230,471**



- **Contatore di calore >> p. 494**
- *Heat meter >> p. 494*
- **Compteur de chaleur >> p. 494**
- *Wärmezähler >> p. 494*
- **Contador de calor >> p. 494**



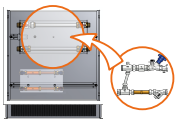
- **Contatore ACS >> p. 496**
- *DHW meter >> p. 496*
- **Compteur ECS >> p. 496**
- *BWW Zähler >> p. 496*
- **Contador ACS >> p. 496**



- **Contatore AFS >>p. 496**
- *DCW meter >>p. 496*
- **Compteur EFS >>p. 496**
- *BKW Zähler >>p. 496*
- **Contador AFS >>p. 496**

- **Su richiesta sono disponibili moduli MC DN 40 e DN 50.**
- *DN 40 and DN 50 MC modules are available on request.*
- **Modules MC DN 40 et DN 50 sont disponibles sur demande.**
- *MC-Module DN 40 und DN 50 sind Auf Anfrage erhältlich.*
- **Módulos MC DN 40 y DN 50 están disponibles bajo petición.**

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For the supply of modules in separate components (template + functional blocks) please refer to the following tables.

MC1 Template



- **Dima per modulo di contabilizzazione MC1.**
- *Template for MC1 metering module.*
- **Gabarit pour module de comptabilisation MC1.**
- *Schablone für Messungsmodul MC1.*
- **Plantilla para módulo de contabilización MC1.**

Code	Suitable Cabinet	Price	Class	Packaging
509167	200090	287,38 €	UA	1

MC1 Complementary module



- **Modulo complementare per MC1.**
- *Complementary module for MC1.*
- **Module complémentaire pour MC1.**
- *Ergänzungsmodul für MC1.*
- **Módulo complementario para MC1.**

Code	Heat unit	Price	Class	Packaging
KSB0030	Kv 3,50 (Qn 2,5 m³/h) - G 1"	470,50 €	UA	1

MC2 Template



- **Dima per modulo di contabilizzazione MC2.**
- *Template for MC2 metering module.*
- **Gabarit pour module de comptabilisation MC2.**
- *Schablone für Messungsmodul MC2.*
- **Plantilla para módulo de contabilización MC2.**

Code	Suitable Cabinet	Price	Class	Packaging
509168	200190	322,89 €	UA	1

MC2 Complementary module



- **Modulo complementare per MC2.**
- *Complementary module for MC2.*
- **Module complémentaire pour MC2.**
- *Ergänzungsmodul für MC2.*
- **Módulo complementario para MC2.**

Code	Heat unit	Price	Class	Packaging
KSB0032	Kv 7,00 (Qn 3,5 - 6 m³/h) - G 1"1/4	585,50 €	UA	1

- **Dima per unità di contabilizzazione acqua sanitaria non inclusa.**
- *Template for domestic water metering units not included.*
- **Gabarit pour unités de comptabilisation eau sanitaire non inclus.**
- *Schablone für Sanitärwasserzähler nicht enthalten.*
- **Plantilla para unidades de contabilización de agua sanitaria no incluida.**

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AVZS 00



- **Servomotore per valvole di zona a sfera.**
- *Servo motor for ball zone valves.*
- **Servomoteur pour vannes de zone à bille.**
- *Stellantriebe für Zonenkugelventile.*
- **Servomotor para válvulas de zona de bola.**

Code	Size	Price	Class	Packaging
506241	230 V AC - 50 sec.	178,16 €	NN	1

AVZS 01



- **Servomotore per valvole di zona a sfera.**
- *Servo motor for ball zone valves.*
- **Servomoteur pour vannes de zone à bille.**
- *Stellantriebe für Zonenkugelventile.*
- **Servomotor para válvulas de zona de bola.**

Code	Size	Price	Class	Packaging
506241V	230 V AC - 25 sec.	178,16 €	NN	1

AVZS 10



- **Servomotore per valvole di zona a sfera con dispositivo di sblocco.**
- *Servo motor for ball zone valves with release device.*
- **Servomoteur pour les vannes de zone à bille avec dispositif de déblocage.**
- *Stellantriebe für Zonenkugelventile mit Entriegelungsvorrichtung.*
- **Servomotor para válvulas de zona de bola con dispositivo de desbloqueo.**

Code	Size	Price	Class	Packaging
506243	230 V AC - 50 sec.	189,32 €	NN	2 / 8

AVZS 11



- **Servomotore per valvole di zona a sfera con dispositivo di sblocco.**
- *Servo motor for ball zone valves with release device.*
- **Servomoteur pour les vannes de zone à bille avec dispositif de déblocage.**
- *Stellantriebe für Zonenkugelventile mit Entriegelungsvorrichtung.*
- **Servomotor para válvulas de zona de bola con dispositivo de desbloqueo.**

Code	Size	Price	Class	Packaging
506242V	24 V AC - 25 sec.	190,26 €	NN	1
506243V	230 V AC - 25 sec.	189,32 €	NN	1 / 8

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2-WAY MODULES

The two-way utility modules are used in plants with variable speed pump thermal power stations which reduce average flow rate circulating in the plant and obtain lower return temperatures, thus increasing the efficiency of the condensing boilers and district heating.
In this field, IVAR proposes EQUICOMPACT, EQUIDYNAMIC and MC 4.

EQUICOMPACT

EQUICOMPACT is the ultra-compact, versatile utility module with two-way zone valve, essential for heat management. Aside from the standard components of a utility module, such as ball valves, zone valve, filter and stub pipe for heat meter, EQUICOMPACT also houses the differential pressure regulator capillary for dynamic balancing of circuits.
In order to meet installation site needs, EQUICOMPACT can also be supplied as installation jig and separate functional components. The measuring electronics is supplied separately with a large choice depending on the requirements of the individual installations.
EQUICOMPACT is also characterised by some variants regarding the available recessed cabinet:

- AC 860 B (supplied separately): standard version with a galvanised sheet-metal cover painted white;
- AC 860 L (supplied separately): version with sheet-metal structure and cover set up for plastering;
- AC 860 IB (included for modules with code suffix CIB): version with insulated polypropylene structure and sheet metal cover painted white.

EQUICOMPACT power (*) with Kv=2.5: approximately 16 kW
EQUICOMPACT power (*) with Kv=3.0: approximately 19 kW

(*) Thermal gradient = 10 °C; differential pressure at ends of module = 300 mbar

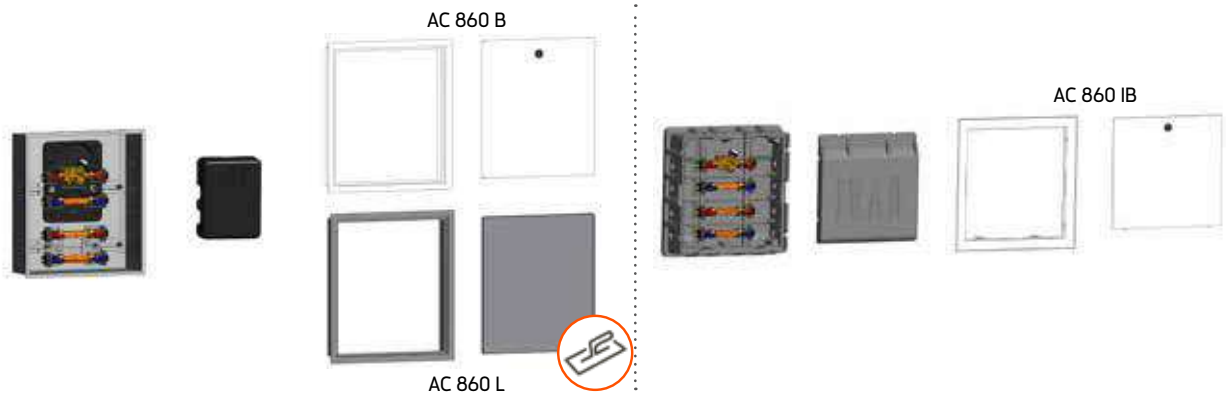
EQUIDYNAMIC

The EQUIDYNAMIC system is a standard module with ¾ heat metering connections with dynamic balancing. The system is supplied with shut-off valves, filter, probe holder pit on supply line and body of a PICV (Pressure independent control valve): once the system has been washed and filled, the installer applies the insert most suitable for the application, choosing between the models PICC 01, PICC 02 and PICC 03. These inserts stabilise the flow rate at the set value, thus avoiding unbalancing in the different branches of the system. For further information on the inserts, see the PICV section.

⊕ PLUS (EQUICOMPACT)

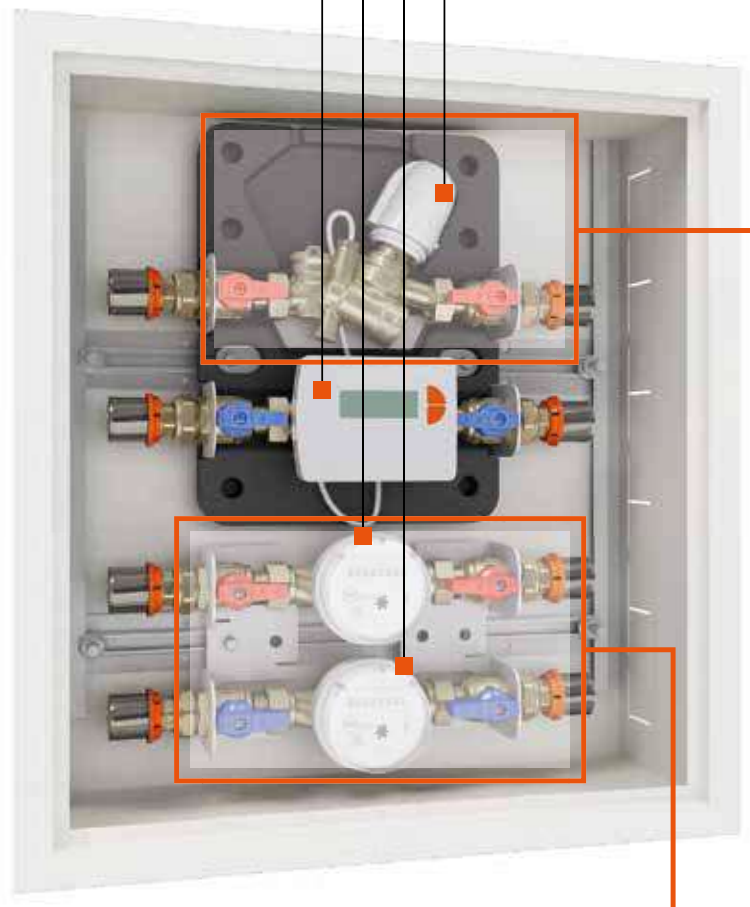
- **Suitable for applications with electronic variable displacement pumps**
- **Prearranged for use with EQUIFLUID for dynamic balancing of utilities**
- **Extremely compact for installation in any compartment**

TYPES OF CABINETS AVAILABLE FOR EQUICOMPACT/EQUIDYNAMIC MODULES

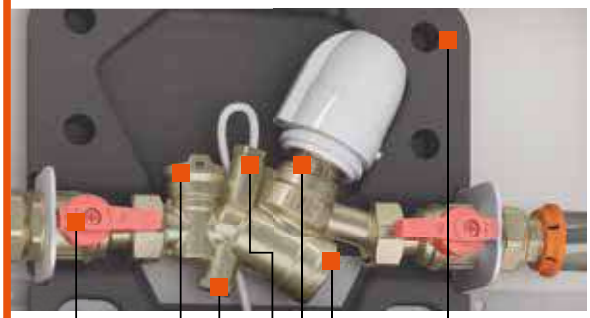


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EQUICOMPACT



CONTROL BLOCK



Thermally insulated heat block

Balancing selector with slot for lead seal

500-micron filter

Well for differential pressure regulator (to be installed on the return line)

2-Way zone valve with piston

Well for delivery heat meter probe

Components that can be cut off using ball valves that can be lead-sealed

DOMESTIC WATER LINES

The EQC heat block **can be integrated with one or two domestic water lines**

The EQC can be supplied **pre-assembled (without cabinet)** in the desired configuration **or as separate components**

KEY FOR METERING UNITS ON THE PAGES BELOW

Heating units.

Domestic hot water units.

Domestic cold water units.

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EQCP1



- **Modulo di contabilizzazione Equicompact® per impianti di riscaldamento e raffrescamento con unità per calore, acqua calda sanitaria e acqua fredda sanitaria.**
- *Equicompact® metering module for heating and cooling systems with units for heat, domestic hot water and domestic cold water.*
- **Module de comptabilisation Equicompact® pour les systèmes de chauffage et de refroidissement avec unités pour chaleur, eau chaude sanitaire et eau froide sanitaire.**
- *Messungsmodul Equicompact® für Heiz- und Kühlsysteme mit Einheiten für Wärme, Trinkwarmwasser und Trinkkaltwasser.*
- **Módulo de contabilización Equicompact® para sistemas de calefacción y refrigeración con unidades para calor, agua caliente sanitaria y agua fría sanitaria.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506587	Kv 2,50 (Qn 1,5 m³/h) - G 3/4"	HOT+COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	447,03 €	UA	1
506539	Kv 3,00 (Qn 2,5 m³/h) - G 3/4"	HOT+COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	473,33 €	UA	1

EQCP13



- **Modulo di contabilizzazione Equicompact® per impianti di riscaldamento e raffrescamento con unità per calore e acqua calda sanitaria.**
- *Equicompact® metering module for heating and cooling systems with units for heat and domestic hot water.*
- **Module de comptabilisation Equicompact® pour les systèmes de chauffage et de refroidissement avec unités pour chaleur et eau chade sanitaire.**
- *Messungsmodul Equicompact® für Heiz- und Kühlsysteme mit Einheiten für Wärme und Trinkwarmwasser.*
- **Módulo de contabilización Equicompact® para sistemas de calefacción y refrigeración con unidades para calor y agua caliente sanitaria.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506638	Kv 2,50 (Qn 1,5 m³/h) - G 3/4"	HOT (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	390,09 €	UA	1
506540	Kv 3,00 (Qn 2,5 m³/h) - G 3/4"	HOT (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	416,38 €	UA	1

EQCP14



- **Modulo di contabilizzazione Equicompact® per impianti di riscaldamento e raffrescamento con unità per calore e acqua fredda sanitaria.**
- *Equicompact® metering module for heating and cooling systems with units for heat and domestic cold water.*
- **Module de comptabilisation Equicompact® pour les systèmes de chauffage et de refroidissement avec unités pour chaleur et eau froide sanitaire.**
- *Messungsmodul Equicompact® für Heiz- und Kühlsysteme mit Einheiten für Wärme und Trinkkaltwasser.*
- **Módulo de contabilización Equicompact® para sistemas de calefacción y refrigeración con unidades para calor y agua fría sanitaria.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506663	Kv 2,50 (Qn 1,5 m³/h) - G 3/4"	COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	390,09 €	UA	1
506541	Kv 3,00 (Qn 2,5 m³/h) - G 3/4"	COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	416,38 €	UA	1

EQCP15 (Kv 2,50) - EQCP25 (Kv 3,00)



- **Unità calore con staffe per modulo di contabilizzazione Equicompact® per impianti di riscaldamento e raffrescamento.**
- *Heat unit with brackets for Equicompact metering module for heating and cooling systems.*
- **Unité chaleur avec étriers pour module de comptabilisation Equicompact® pour les systèmes de chauffage et de refroidissement .**
- *Wärme-Einheit mit Wandalterungen für Messungsmodul Equicompact® für Heiz- und Kühlsysteme.*
- **Unidad calor con soportes para módulo de contabilización Equicompact® para sistemas de calefacción y refrigeración.**

Code	Heat unit	Insulation	Suitable Cabinet	Price	Class	Packaging
506575S	Kv 2,50 (Qn 1,5 m³/h) - G 3/4"	-	AC 860 B - AC 860 L	245,90 €	UA	1
506575SI	Kv 2,50 (Qn 1,5 m³/h) - G 3/4"	✓	AC 860 B - AC 860 L	281,54 €	UA	1
506576S	Kv 3,00 (Qn 2,5 m³/h) - G 3/4"	-	AC 860 B - AC 860 L	272,19 €	UA	1
506576SI	Kv 3,00 (Qn 2,5 m³/h) - G 3/4"	✓	AC 860 B - AC 860 L	307,85 €	UA	1



- **AC 860 B / L >> p. 479**



- **>> p. 220,360,396,467,478**



- **Contatore di calore >> p. 494**
- *Heat meter >> p. 494*
- **Compteur de chaleur >> p. 494**
- *Wärmezähler >> p. 494*
- **Contador de calor >> p. 494**



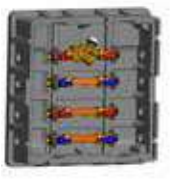
- **Contatore ACS >> p. 496**
- *DHW meter >> p. 496*
- **Compteur ECS >> p. 496**
- *BWW Zähler >> p. 496*
- **Contador ACS >> p. 496**



- **Contatore AFS >>p. 496**
- *DCW meter >>p. 496*
- **Compteur EFS >>p. 496**
- *BKW Zähler >>p. 496*
- **Contador AFS >>p. 496**

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EQCP1 I



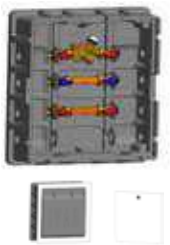


- **Cassetta AC 860 IB inclusa.**
- *Cabinet AC 860 IB included.*
- **Cassette AC 860 IB inclus.**
- *Kasten AC 860 IB enthalten.*
- **Caja AC 860 IB incluida.**

- **Modulo di contabilizzazione Equicompact® per impianti di riscaldamento e raffrescamento con unità per calore, acqua calda sanitaria e acqua fredda sanitaria.**
- *Equicompact® metering module for heating and cooling systems with units for heat, domestic hot water and domestic cold water.*
- **Module de comptabilisation Equicompact® pour les systèmes de chauffage et de refroidissement avec unités pour chaleur, eau chaude sanitaire et eau froide sanitaire.**
- *Messungsmodul Equicompact® für Heiz- und Kühlsysteme mit Einheiten für Wärme, Trinkwarmwasser und Trinkkaltwasser.*
- **Módulo de contabilización Equicompact® para sistemas de calefacción y refrigeración con unidades para calor, agua caliente sanitaria y agua fría sanitaria.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506587CIB	Kv 2,50 (Qn 1,5 m³/h) - G 3/4"	HOT+COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 IB (Included)	622,88 €	UA	1

EQCP13 I



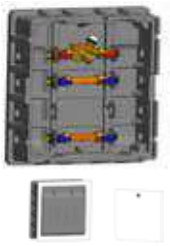


- **Cassetta AC 860 IB inclusa.**
- *Cabinet AC 860 IB included.*
- **Cassette AC 860 IB inclus.**
- *Kasten AC 860 IB enthalten.*
- **Caja AC 860 IB incluida.**

- **Modulo di contabilizzazione Equicompact® per impianti di riscaldamento e raffrescamento con unità per calore e acqua calda sanitaria.**
- *Equicompact® metering module for heating and cooling systems with units for heat and domestic hot water.*
- **Module de comptabilisation Equicompact® pour les systèmes de chauffage et de refroidissement avec unités pour chaleur et eau chaude sanitaire.**
- *Messungsmodul Equicompact® für Heiz- und Kühlsysteme mit Einheiten für Wärme und Trinkwarmwasser.*
- **Módulo de contabilización Equicompact® para sistemas de calefacción y refrigeración con unidades para calor y agua caliente sanitaria.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506638CIB	Kv 2,50 (Qn 1,5 m³/h) - G 3/4"	HOT (Q3 2,5 m³/h) - G 3/4"	AC 860 IB (Included)	580,89 €	UA	1

EQCP14 I





- **Cassetta AC 860 IB inclusa.**
- *Cabinet AC 860 IB included.*
- **Cassette AC 860 IB inclus.**
- *Kasten AC 860 IB enthalten.*
- **Caja AC 860 IB incluida.**

- **Modulo di contabilizzazione Equicompact® per impianti di riscaldamento e raffrescamento con unità per calore e acqua fredda sanitaria.**
- *Equicompact® metering module for heating and cooling systems with units for heat and domestic cold water.*
- **Module de comptabilisation Equicompact® pour les systèmes de chauffage et de refroidissement avec unités pour chaleur et eau froide sanitaire.**
- *Messungsmodul Equicompact® für Heiz- und Kühlsysteme mit Einheiten für Wärme und Trinkkaltwasser.*
- **Módulo de contabilización Equicompact® para sistemas de calefacción y refrigeración con unidades para calor y agua fría sanitaria.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506663CIB	Kv 2,50 (Qn 1,5 m³/h) - G 3/4"	COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 IB (Included)	580,89 €	UA	1

EQCP15 I (Kv 2,50)



- **Unità calore per modulo di contabilizzazione Equicompact® per impianti di riscaldamento e raffrescamento.**
- *Heat unit for Equicompact® metering module for heating and cooling systems.*
- **Unité chaleur pour module de comptabilisation Equicompact® pour les systèmes de chauffage et de refroidissement.**
- *Wärme-Einheit für Messungsmodul Equicompact® für Heiz- und Kühlsysteme.*
- **Unidad calor para módulo de contabilización Equicompact® para sistemas de calefacción y refrigeración.**

Code	Heat unit	Suitable Cabinet	Price	Class	Packaging
506575	Kv 2,50 (Qn 1,5 m³/h) - G 3/4"	AC 860 IB	215,95 €	UA	1



- **AC 860 IB >> p. 479**



- **>> p. 220,360,396,467,478**



- **Contatore di calore >> p. 494**
- *Heat meter >> p. 494*
- **Compteur de chaleur >> p. 494**
- *Wärmezähler >> p. 494*
- **Contador de calor >> p. 494**



- **Contatore ACS >> p. 496**
- *DHW meter >> p. 496*
- **Compteur ECS >> p. 496**
- *BWW Zähler >> p. 496*
- **Contador ACS >> p. 496**



- **Contatore AFS >>p. 496**
- *DCW meter >>p. 496*
- **Compteur EFS >>p. 496**
- *BKW Zähler >>p. 496*
- **Contador AFS >>p. 496**

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EQDYN1



- **Modulo di contabilizzazione Equidynamic per impianti di riscaldamento e raffrescamento con unità per calore, acqua calda sanitaria e acqua fredda sanitaria.**
- *Equidynamic metering module for heating and cooling systems with units for heat, domestic hot water and domestic cold water.*
- **Module de comptabilisation Equidynamic pour les systèmes de chauffage et de refroidissement avec unités pour chaleur, eau chaude sanitaire et eau froide sanitaire.**
- *Messungsmodul Equidynamic für Heiz- und Kühlsysteme mit Einheiten für Wärme, Trinkwarmwasser und Trinkkaltwasser.*
- **Módulo de contabilización Equidynamic para sistemas de calefacción y refrigeración con unidades para calor, agua caliente sanitaria y agua fría sanitaria.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506669	Self-balancing (Qn 1,5 m³/h) - G 3/4"	HOT+COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	407,90 €	UA	1
506859	Self-balancing (Qn 2,5 m³/h) - G 3/4"	HOT+COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	434,20 €	UA	1

EQDYN13



- **Modulo di contabilizzazione Equidynamic per impianti di riscaldamento e raffrescamento con unità per calore e acqua calda sanitaria.**
- *Equidynamic metering module for heating and cooling systems with units for heat and domestic hot water.*
- **Module de comptabilisation Equidynamic pour les systèmes de chauffage et de refroidissement avec unités pour chaleur et eau chade sanitaire.**
- *Messungsmodul Equidynamic für Heiz- und Kühlsysteme mit Einheiten für Wärme und Trinkwarmwasser.*
- **Módulo de contabilización Equidynamic para sistemas de calefacción y refrigeración con unidades para calor y agua caliente sanitaria.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506670	Self-balancing (Qn 1,5 m³/h) - G 3/4"	HOT (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	350,94 €	UA	1
506860	Self-balancing (Qn 2,5 m³/h) - G 3/4"	HOT (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	377,24 €	UA	1

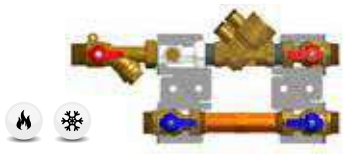
EQDYN14



- **Modulo di contabilizzazione Equidynamic per impianti di riscaldamento e raffrescamento con unità per calore e acqua fredda sanitaria.**
- *Equidynamic metering module for heating and cooling systems with units for heat and domestic cold water.*
- **Module de comptabilisation Equidynamic pour les systèmes de chauffage et de refroidissement avec unités pour chaleur et eau froide sanitaire.**
- *Messungsmodul Equidynamic für Heiz- und Kühlsysteme mit Einheiten für Wärme und Trinkkaltwasser.*
- **Módulo de contabilización Equidynamic para sistemas de calefacción y refrigeración con unidades para calor y agua fría sanitaria.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506671	Self-balancing (Qn 1,5 m³/h) - G 3/4"	COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	350,94 €	UA	1
506861	Self-balancing (Qn 2,5 m³/h) - G 3/4"	COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	377,24 €	UA	1

EQDYN15 - EQDYN25



- **Unità calore con staffe per modulo di contabilizzazione Equidynamic per impianti di riscaldamento e raffrescamento.**
- *Heat unit with brackets for Equidynamic metering module for heating and cooling systems.*
- **Unité chaleur avec étriers pour module de comptabilisation Equidynamic pour les systèmes de chauffage et de refroidissement.**
- *Wärme-Einheit mit Wandalterungen für Messungsmodul Equidynamic für Heiz- und Kühlsysteme.*
- **Unidad calor con soportes para módulo de contabilización Equidynamic para sistemas de calefacción y refrigeración.**

Code	Heat unit	Insulation	Suitable Cabinet	Price	Class	Packaging
506632S	Self-balancing (Qn 1,5 m³/h) - G 3/4"	-	AC 860 B - AC 860 L	206,76 €	UA	1
506632SI	Self-balancing (Qn 1,5 m³/h) - G 3/4"	✓	AC 860 B - AC 860 L	242,42 €	UA	1
506633S	Self-balancing (Qn 2,5 m³/h) - G 3/4"	-	AC 860 B - AC 860 L	232,98 €	UA	1
506633SI	Self-balancing (Qn 2,5 m³/h) - G 3/4"	✓	AC 860 B - AC 860 L	268,62 €	UA	1



- **AC 860 B / L >> p. 479**



- **Contatore di calore >> p. 494**
- *Heat meter >> p. 494*
- **Compteur de chaleur >> p. 494**
- *Wärmezähler >> p. 494*
- **Contador de calor >> p. 494**



- **Contatore ACS >> p. 496**
- *DHW meter >> p. 496*
- **Compteur ECS >> p. 496**
- *BWW Zähler >> p. 496*
- **Contador ACS >> p. 496**



- **Contatore AFS >>p. 496**
- *DCW meter >>p. 496*
- **Compteur EFS >>p. 496**
- *BKW Zähler >>p. 496*
- **Contador AFS >>p. 496**



- **PICC 01 >> p. 373**
- *DCW meter >> p. 373*
- **Compteur EFS >> p. 373**
- *BKW Zähler >> p. 373*
- **Contador AFS >> p. 373**



- **PICC 02 >> p. 373**



- **PICC 03 >>p. 373**

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MC3A



- **Unità acqua calda sanitaria e acqua fredda sanitaria con staffe per moduli di contabilizzazione Equicompact®/Equidynamic.**
- *Domestic hot water and domestic cold water units with brackets for Equicompact/Equidynamic metering modules.*
- **Unités eau chaude sanitaire et eau froide sanitaire avec étriers pour modules de comptabilisation Equicompact®/Equidynamic.**
- *Trinkwarmwasser- und Trinkkaltwasser-Einheiten mit Wandalterungen für Messungsmodule Equicompact®/Equidynamic.*
- **Unidades agua caliente sanitaria y agua fría sanitaria con soportes para módulos de contabilización Equicompact®/Equidynamic.**

Code	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506627S	HOT+COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	130,44 €	UA	1

MC33A



- **Unità acqua calda sanitaria con staffe per moduli di contabilizzazione Equicompact®/Equidynamic.**
- *Domestic hot water unit with brackets for Equicompact®/Equidynamic metering modules.*
- **Unité eau chade sanitaire avec étrier pour modules de comptabilisation Equicompact®/Equidynamic.**
- *Trinkwarmwasser-Einheit mit Wandalterungen für Messungsmodule Equicompact®/Equidynamic.*
- **Unidad agua caliente sanitaria con soportes para módulo de contabilización Equicompact®/Equidynamic.**

Code	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506628S	HOT (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	74,03 €	UA	2

MC34A



- **Unità acqua fredda sanitaria con staffe per moduli di contabilizzazione Equicompact®/Equidynamic.**
- *Domestic cold water unit with brackets for Equicompact®/Equidynamic metering modules.*
- **Unité eau froide sanitaire avec étrier pour modules de comptabilisation Equicompact®/Equidynamic.**
- *Trinkkaltwasser-Einheit mit Wandalterungen für Messungsmodule Equicompact®/Equidynamic.*
- **Unidad agua fría sanitaria con soportes para módulos de contabilización Equicompact®/Equidynamic.**

Code	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506629S	COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 B - AC 860 L	71,83 €	UA	2

MC3A I



- **Unità acqua calda sanitaria e acqua fredda sanitaria per modulo di contabilizzazione Equicompact®.**
- *Domestic hot water and domestic cold water units for Equicompact® metering module.*
- **Unités eau chaude sanitaire et eau froide sanitaire pour module de comptabilisation Equicompact®.**
- *Trinkwarmwasser- und Trinkkaltwasser-Einheiten für Messungsmodul Equicompact®.*
- **Unidades agua caliente sanitaria y agua fría sanitaria para módulo de contabilización Equicompact®.**

Code	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506627	HOT+COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 IB	100,76 €	UA	1

MC33A I



- **Unità acqua calda sanitaria per modulo di contabilizzazione Equicompact®.**
- *Domestic hot water unit for Equicompact® metering module.*
- **Unité eau chade sanitaire pour module de comptabilisation Equicompact®.**
- *Trinkwarmwasser-Einheit für Messungsmodul Equicompact®.*
- **Unidad agua caliente sanitaria para módulo de contabilización Equicompact®.**

Code	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506628	HOT (Q3 2,5 m³/h) - G 3/4"	AC 860 IB	59,19 €	UA	12

MC34A I



- **Unità acqua fredda sanitaria per modulo di contabilizzazione Equicompact®.**
- *Domestic cold water unit for Equicompact® metering module.*
- **Unité eau froide sanitaire pour module de comptabilisation Equicompact®.**
- *Trinkkaltwasser-Einheit für Messungsmodul Equicompact®.*
- **Unidad agua fría sanitaria para módulo de contabilización Equicompact®.**

Code	Domestic water units	Suitable Cabinet	Price	Class	Packaging
506629	COLD (Q3 2,5 m³/h) - G 3/4"	AC 860 IB	57,00 €	UA	12



- **Contatore ACS >> p. 496**
- *DHW meter >> p. 496*
- **Compteur ECS >> p. 496**
- *BWW Zähler >> p. 496*
- **Contador ACS >> p. 496**



- **Contatore AFS >>p. 496**
- *DCW meter >>p. 496*
- **Compteur EFS >>p. 496**
- *BKW Zähler >>p. 496*
- **Contador AFS >>p. 496**

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EQCP05



- **Valvola a 2 vie per modulo di contabilizzazione Equicompact®.**
- *2-way valve for Equicompact® metering module.*
- **Vanne à 2 voies pour module de comptabilisation Equicompact®.**
- *2-Wege V entil für Messungsmodul Equicompact®.*
- **Válvula de 2 vías para módulo de contabilización Equicompact®.**

Code	Size	Price	Class	Packaging
506596	G 3/4"	109,62 €	UA	1 / 24

TE 3040 IV



- **Testa elettrotermica normalmente chiusa (2 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 40 mm.**
- *Electrothermal head normally closed (2 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 40 mm.*
- **Tête électrothermique normalement fermée (2 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 40 mm.**
- *Elektrothermischer Stellantriebe stromlos-zu (2 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 40 mm.*
- **Cabeza electrotérmica normalmente cerrada (de 2 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 40 mm.**

Code	Size	Price	Class	Packaging
501508E	M30 x 1,5 ; ON / OFF (230 V AC)	29,64 €	AC	1 / 100

TE 3040



- **Testa elettrotermica normalmente chiusa (2 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 50 mm (no EASY-RADIANT).**
- *Electrothermal head normally closed (2 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 50 mm (no EASY-RADIANT).*
- **Tête électrothermique normalement fermée (2 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 50 mm (non EASY-RADIANT).**
- *Elektrothermischer Stellantriebe stromlos-zu (2 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 50 mm (keine EASY-RADIANT).*
- **Cabeza electrotérmica normalmente cerrada (de 2 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 50 mm (no EASY-RADIANT).**

Code	Size	Price	Class	Packaging
501508	M30 x 1,5 ; ON / OFF (230 V AC)	36,60 €	AC	1 / 100
501524	M30 x 1,5 ; ON / OFF (24 V AC/DC)	36,60 €	AC	100

TE 3050 MC



- **Testa elettrotermica normalmente chiusa con contatto di fine corsa (4 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 40 mm.**
- *Electrothermal head normally closed with limit switch contact (4 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 40 mm.*
- **Tête électrothermique normalement fermée avec contact de fin de course (4 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 40 mm.**
- *Elektrothermischer Stellantriebe stromlos-zu mit Endschalterkontakt (4 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 40 mm.*
- **Cabeza electrotérmica normalmente cerrada con contacto de fin de carrera (de 4 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 40 mm.**

Code	Size	Price	Class	Packaging
500808MC	M30 x 1,5 ; ON / OFF (230 V AC)	43,43 €	AC	100

TE 3050 M



- **Testa elettrotermica normalmente chiusa con contatto di fine corsa (4 fili). Compatibile con tutti i vitoni termostatizzabili IVAR e i collettori con interasse ≥ 50 mm (no EASY-RADIANT).**
- *Electrothermal head normally closed with limit switch contact (4 wires). Suitable for all IVAR thermostatic inserts and manifolds with centre-to-centre distance ≥ 50 mm (no EASY-RADIANT).*
- **Tête électrothermique normalement fermée avec contact de fin de course (4 fils). Adaptée pour tous les inserts thermostatisables IVAR et aux collecteurs avec entraxe ≥ 50 mm (non EASY-RADIANT).**
- *Elektrothermischer Stellantriebe stromlos-zu mit Endschalterkontakt (4 Kabel). Geeignet für alle Thermostat-Reguliervorrichtungen IVAR und für Verteiler mit Achsabstand ≥ 50 mm (keine EASY-RADIANT).*
- **Cabeza electrotérmica normalmente cerrada con contacto de fin de carrera (de 4 hilos). Adecuada para todos los tornillos termostatizables IVAR y los colectores con distancia entre centros ≥ 50 mm (no EASY-RADIANT).**

Code	Size	Price	Class	Packaging
500808M	M30 x 1,5 ; ON / OFF (230 V AC)	43,43 €	AC	100
500028M	M30 x 1,5 ; ON / OFF (24 V AC/DC)	43,43 €	AC	1 / 100

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PICV 05



- **Corpo valvola di bilanciamento dinamico, completo di tappo e predisposizione per prese piezometriche. Connessioni maschio – maschio**
- *Dynamic balancing valve body, complete with plug and arrangement for piezometric inlets. Male - male connections.*
- **Corps de vanne d'équilibrage dynamique, avec bouchon et prédisposition pour prises piézométriques. Connexions mâle - mâle**
- *Körper dynamisches Abgleichventil, komplett mit Kappe und Vorrüstung für Piezometeranschlüsse. AG - AG anschlüsse*
- **Cuerpo de válvula de equilibrado dinámico provisto de tapón y preparado para tomas piezométricas. Conexiones macho - macho**

Code	Size	Color	Price	Class	Packaging
590069	3/4" M x 3/4" M		42,16 €	TE	5 / 40

AVB 10



- **Presa piezometrica.**
- *Piezometric socket.*
- **Prise piézométrique.**
- *Piezometrischer Messventil.*
- **Toma piezométrica.**

Code	Size	Color	Price	Class	Packaging
509088B	1/4" M		6,78 €	TE	100
509088R	1/4" M		6,78 €	TE	100

AC 860 B



- **Cassetta murale da incasso (versione base) per moduli di contabilizzazione Equicompact®/Equidynamic.**
- *Wall fitted cabinet (basic version) for metering modules Equicompact®/Equidynamic.*
- **Caisse murale encastrable (version de base) pour modules de comptabilisation Equicompact®/Equidynamic.**
- *Einbauwandkasten (Grundausführung) für Messungsmodule Equicompact®/Equidynamic.*
- **Caja mural de empotrar (versión básica) para módulos de contabilización Equicompact®/Equidynamic.**

Code	Height	Width	Depth	Price	Class	Packaging
200199	450 mm	450 mm	135-160 mm	238,24 €	NZ	1

AC 860 L



- **Cassetta murale da incasso (versione con coperchio predisposto per l'intonacatura) per moduli di contabilizzazione Equicompact®/Equidynamic.**
- *Wall fitted cabinet (version with cover suitable for plastering) for metering modules Equicompact®/Equidynamic.*
- **Caisse murale encastrable (version avec couverture adaptée pour le platrâge) pour modules de comptabilisation Equicompact®/Equidynamic.**
- *Einbauwandkasten (Ausführung mit Abdeckung geeignet für das Berappen) für Messungsmodule Equicompact®/Equidynamic.*
- **Caja mural de empotrar (versión con cubierta adecuada para enyesar) para módulos de contabilización Equicompact®/Equidynamic.**

Code	Height	Width	Depth	Price	Class	Packaging
200299	450 mm	450 mm	135-160 mm	389,96 €	NZ	1

AMEQCP 01



- **Guscio di coibentazione per unità di contabilizzazione del calore per moduli Equicompact®/Equidynamic.**
- *Insulation shell for heat metering unit for Equicompact®/Equidynamic modules.*
- **Coque d'isolation pour unité de comptabilisation de chaleur pour modules Equicompact®/Equidynamic.**
- *Isolierschale für Wärmemesseung Einheit für module Equicompact®/Equidynamic.*
- **Cobertura aislante para la unidad de contabilización de calor para módulos Equicompact®/Equidynamic.**

Code	Module	Price	Class	Packaging
506666	EQCP15 - EQCP25 - EQDYN15 - EQDYN25	35,65 €	UA	5

AC 860 IB



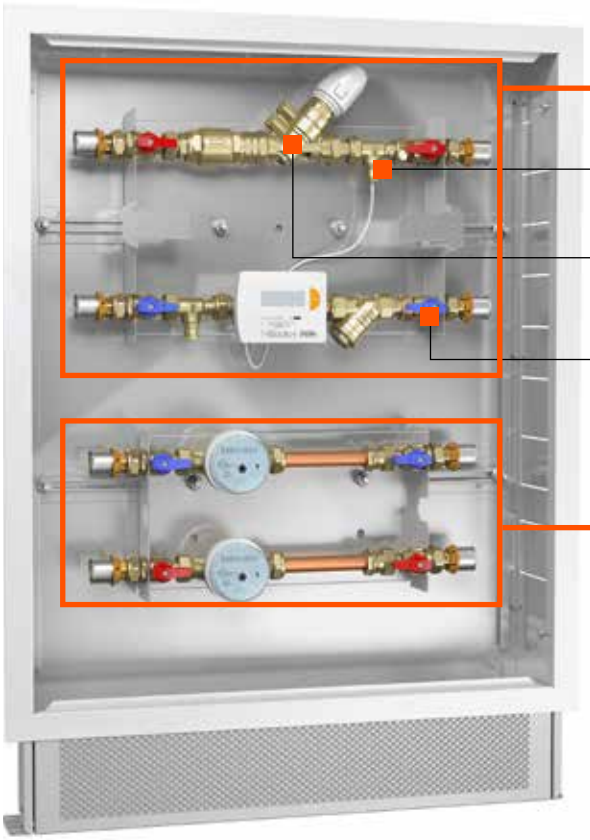
- **Cassetta murale da incasso in polipropilene (versione base) per moduli di contabilizzazione Equicompact®.**
- *Wall polypropylene fitted cabinet (basic version) for metering modules Equicompact®.*
- **Caisse murale encastrable en polypropylène (version de base) pour modules de comptabilisation Equicompact®.**
- *Einbauwandkasten aus Polypropylen (Grundausführung) für Messungsmodule Equicompact®.*
- **Caja mural de empotrar de polipropileno (versión básica) para módulos de contabilización Equicompact®.**

Code	Height	Width	Depth	Price	Class	Packaging
506665B	470 mm	470 mm	120-160 mm	268,80 €	NZ	1

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MC 4

IVAR completes its range of two-way utility modules with the family of MC4 modules, compact unit which includes a PICV (pressure independent control valve) with insert PICC 01/11, PICC 02/12 or thermostatic insert PICC 03 /13, with the double function of flow rate stabilisation valve to ensure ideal dynamic balancing and shut-off valve. This device allows you to choose among 41 flow rate values and assures stability; it can also be managed by an on/off or proportional 0-10 V electrothermal actuator which allows it to be modulated/limited as the demand of the utility varies.
The module is completed with shut-off valve on the primary circuit side and utility side, filter, non-return valve, set up for heat valves and double pit for supply and return probes. The cabinet is supplied separately.
MC4 modules are available in the version with main connections measuring 3/4" or 1".



CONTROL BLOCK

Well for delivery heat meter probe

PICV for dynamic balancing of the flow rate

Components can be cut off with ball valves

DOMESTIC WATER LINES

Customizable with no, 1, 2 or 3 meters

Available with 2 domestic water lines and anti-scald thermostatic mixer

PLUS

- **Freely configurable with volumetric meters for DHW, DCW and dual water**
- **Equipped with a PICV valve for dynamic balancing of the flow rate**
- **Pre-assembled or in a template with separate components**

KEY FOR METERING UNITS

Heating units.

Domestic cold water units.

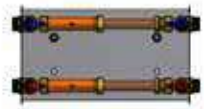
Domestic hot water units.

Thermostatic mixer.

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MC4

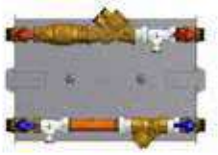


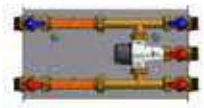


- **Modulo di contabilizzazione MC4 per impianti di riscaldamento e raffrescamento con unità calore, acqua calda sanitaria e acqua fredda sanitaria.**
- *MC4 metering module for heating and cooling systems with heat unit, domestic hot water and domestic cold water.*
- **Module de comptabilisation MC4 pour les systèmes de chauffage et de refroidissement avec unité de chaleur, eau chaude sanitaire et eau froide sanitaire.**
- *Messungsmodul MC4 für Heiz- und Kühlsysteme mit Einheiten für Wärme, Trinkwarmwasser und Trinkkaltwasser.*
- **Módulo de contabilización MC4 para sistemas de calefacción y refrigeración con unidad para calor, agua caliente sanitaria y agua fría sanitaria.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506706	Qn 1,5 m³/h – G 3/4"	HOT+COLD (Q3 2,5 m³/h) – G 3/4"	200590	600 mm	465,11 €	UA	1
506640	Qn 2,5 m³/h – G 1"	HOT+COLD (Q3 2,5 m³/h) – G 3/4"	200090	700 mm	629,07 €	UA	1
506707	Qn 1,5 m³/h – G 3/4"	HOT+COLD (Q3 4 m³/h) – G 1"	200590	600 mm	573,83 €	UA	1
506641	Qn 2,5 m³/h – G 1"	HOT+COLD (Q3 4 m³/h) – G 1"	200090	700 mm	737,79 €	UA	1

MC41



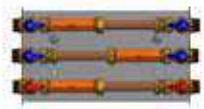


- **Modulo di contabilizzazione MC4 per impianti di riscaldamento e raffrescamento con unità calore, acqua calda sanitaria, acqua fredda sanitaria e miscelatore termostatico.**
- *MC4 metering module for heating and cooling systems with heat unit, domestic hot water, domestic cold water and thermostatic blender.*
- **Module de comptabilisation MC4 pour les systèmes de chauffage et de refroidissement avec unité de chaleur, eau chaude sanitaire, eau froide sanitaire et limiteur de température.**
- *Messungsmodul MC4 für Heiz- und Kühlsysteme mit Einheiten für Wärme, Trinkwarmwasser, Trinkkaltwasser und thermostatischem Mischer.*
- **Módulo de contabilización MC4 para sistemas de calefacción y refrigeración con unidad para calor, agua caliente sanitaria, agua fría sanitaria y mezclador termostático.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506708	Qn 1,5 m³/h – G 3/4"	HOT+COLD (Q3 2,5 m³/h) + MIX – G 3/4"	200590	600 mm	553,81 €	UA	1
506642	Qn 2,5 m³/h – G 1"	HOT+COLD (Q3 2,5 m³/h) + MIX – G 3/4"	200090	700 mm	717,79 €	UA	1

MC42





- **Modulo di contabilizzazione MC4 per impianti di riscaldamento e raffrescamento con unità calore, acqua calda sanitaria, acqua fredda sanitaria e acqua duale.**
- *MC4 metering module for heating and cooling systems with heat unit, domestic hot water, domestic cold water and dual water.*
- **Module de comptabilisation MC4 pour les systèmes de chauffage et de refroidissement avec unité de chaleur, eau chaude sanitaire, eau froide sanitaire et eau duale.**
- *Messungsmodul MC4 für Heiz- und Kühlsysteme mit Einheiten für Wärme, Trinkwarmwasser, Trinkkaltwasser und Dualkaltwasser.*
- **Módulo de contabilización MC4 para sistemas de calefacción y refrigeración con unidad para calor, agua caliente sanitaria, agua fría sanitaria y agua fría dual.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506709	Qn 1,5 m³/h – G 3/4"	HOT+COLD+DUAL (Q3 2,5 m³/h) – G 3/4"	200590	600 mm	523,05 €	UA	1
506643	Qn 2,5 m³/h – G 1"	HOT+COLD+DUAL (Q3 2,5 m³/h) – G 3/4"	200090	700 mm	687,02 €	UA	1
506710	Qn 1,5 m³/h – G 3/4"	HOT+COLD+DUAL (Q3 4 m³/h) – G 1"	200590	600 mm	678,51 €	UA	1
506644	Qn 2,5 m³/h – G 1"	HOT+COLD+DUAL (Q3 4 m³/h) – G 1"	200090	700 mm	842,47 €	UA	1



- **>> p. 204,322,395,493**



- **Contatore di calore >> p. 494**
- *Heat meter >> p. 494*
- **Compteur de chaleur >> p. 494**
- *Wärmezähler >> p. 494*
- **Contador de calor >> p. 494**



- **Contatore ACS >> p. 496**
- *DHW meter >> p. 496*
- **Compteur ECS >> p. 496**
- *BWW Zähler >> p. 496*
- **Contador ACS >> p. 496**



- **Contatore AFS >>p. 496**
- *DCW meter >>p. 496*
- **Compteur EFS >>p. 496**
- *BKW Zähler >>p. 496*
- **Contador AFS >>p. 496**



- **PICC 01 (MC 3/4") / PICC 11 (MC 1") >> p. 373**



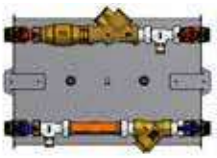
- **PICC 02 (MC 3/4") / PICC 12 (MC 1") >> p. 373**



- **PICC 03 (MC 3/4") / PICC 13 (MC 1") >>p. 373**

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MC43





- **Modulo di contabilizzazione MC4 per impianti di riscaldamento e raffrescamento con unità calore e acqua calda sanitaria.**
- *MC4 metering module for heating and cooling systems with heat unit and domestic hot water.*
- **Module de comptabilisation MC4 pour les systèmes de chauffage et de refroidissement avec unité de chaleur et eau chaude sanitaire.**
- *Messungsmodul MC4 für Heiz- und Kühlsysteme mit Einheiten für Wärme und Trinkwarmwasser.*
- **Módulo de contabilización MC4 para sistemas de calefacción y refrigeración con unidad para calor y agua caliente sanitaria.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506711	Qn 1,5 m³/h – G 3/4"	HOT (Q3 2,5 m³/h) – G 3/4"	200590	600 mm	408,22 €	UA	1
506645	Qn 2,5 m³/h – G 1"	HOT (Q3 2,5 m³/h) – G 3/4"	200090	700 mm	572,19 €	UA	1
506712	Qn 1,5 m³/h – G 3/4"	HOT (Q3 4 m³/h) – G 1"	200590	600 mm	460,53 €	UA	1
506646	Qn 2,5 m³/h – G 1"	HOT (Q3 4 m³/h) – G 1"	200090	700 mm	624,49 €	UA	1

MC44





- **Modulo di contabilizzazione MC4 per impianti di riscaldamento e raffrescamento con unità calore e acqua fredda sanitaria.**
- *MC4 metering module for heating and cooling systems with heat unit and domestic cold water.*
- **Module de comptabilisation MC4 pour les systèmes de chauffage et de refroidissement avec unité de chaleur et eau froide sanitaire.**
- *Messungsmodul MC4 für Heiz- und Kühlsysteme mit Einheiten für Wärme und Trinkkaltwasser.*
- **Módulo de contabilización MC4 para sistemas de calefacción y refrigeración con unidad para calor y agua fría sanitaria.**

Code	Heat unit	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506713	Qn 1,5 m³/h – G 3/4"	COLD (Q3 2,5 m³/h) – G 3/4"	200590	600 mm	406,09 €	UA	1
506647	Qn 2,5 m³/h – G 1"	COLD (Q3 2,5 m³/h) – G 3/4"	200090	700 mm	570,05 €	UA	1
506714	Qn 1,5 m³/h – G 3/4"	COLD (Q3 4 m³/h) – G 1"	200590	600 mm	460,53 €	UA	1
506648	Qn 2,5 m³/h – G 1"	COLD (Q3 4 m³/h) – G 1"	200090	700 mm	624,49 €	UA	1

MC45



- **Modulo di contabilizzazione MC4 per impianti di riscaldamento e raffrescamento solo con unità calore.**
- *MC4 metering module for heating and cooling systems with unit for heat only.*
- **Module de comptabilisation MC4 pour les systèmes de chauffage et de refroidissement uniquement avec unité de chaleur.**
- *Messungsmodul MC4 für Heiz- und Kühlsysteme nur mit Einheit für Wärme.*
- **Módulo de contabilización MC4 para sistemas de calefacción y refrigeración sólo con unidad para el calor.**

Code	Heat unit	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506715	Qn 1,5 m³/h – G 3/4"	200686	600 mm	320,02 €	UA	1
506649	Qn 2,5 m³/h – G 1"	200186	700 mm	483,98 €	UA	1



- **>> p. 204,322,395,493**



- **Contatore di calore >> p. 494**
- *Heat meter >> p. 494*
- **Compteur de chaleur >> p. 494**
- *Wärmezähler >> p. 494*
- **Contador de calor >> p. 494**



- **Contatore ACS >> p. 496**
- *DHW meter >> p. 496*
- **Compteur ECS >> p. 496**
- *BWW Zähler >> p. 496*
- **Contador ACS >> p. 496**



- **Contatore AFS >>p. 496**
- *DCW meter >>p. 496*
- **Compteur EFS >>p. 496**
- *BKW Zähler >>p. 496*
- **Contador AFS >>p. 496**



- **PICC 01 (MC 3/4") / PICC 11 (MC 1") >> p. 373**

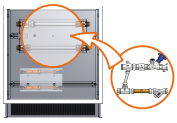


- **PICC 02 (MC 3/4") / PICC 12 (MC 1") >> p. 373**



- **PICC 03 (MC 3/4") / PICC 13 (MC 1") >>p. 373**

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For the supply of modules in separate components (template + functional blocks) please refer to the following tables.

MC4 Template



- **Dima per modulo di contabilizzazione MC4.**
- *Template for MC4 metering module.*
- **Gabarit pour module de comptabilisation MC4.**
- *Schablone für Messungsmodul MC4.*
- **Plantilla para módulo de contabilización MC4.**

Code	Suitable Cabinet	Price	Class	Packaging
506639	200590	255,22 €	UA	1
509169	200090	313,15 €	UA	1

- **Dima per unità di contabilizzazione acqua sanitaria non inclusa.**
- *Template for domestic water metering units not included.*
- **Gabarit pour unités de comptabilisation eau sanitaire non inclus.**
- *Schablone für Sanitärwasserzähler nicht enthalten.*
- **Plantilla para unidades de contabilización de agua sanitaria no incluida.**

MC4 Complementary module





- **Modulo complementare per MC4.**
- *Complementary module for MC4.*
- **Module complémentaire pour MC4.**
- *Ergänzungsmodul für MC4.*
- **Módulo complementario para MC4.**

Code	Heat unit	Price	Class	Packaging
KSB0043	Qn 1,5 m³/h – G 3/4"	219,46 €	UA	1
KSB0038	Qn 2,5 m³/h – G 1"	214,45 €	UA	1
KSB0038MR	Qn 2,5 m³/h – G 1"	287,53 €	UA	1

- **KSB003MR: modulo stand-alone, utilizzabile senza dima MC4 Template.**
- *KSB003MR: stand-alone module, no MC4 Template needed.*
- **KSB003MR: module autonome, aucun gabarit MC4 Template requis.**
- *KSB003MR: Standalone-Modul, keine Schablone MC4 Template erforderlich.*
- **KSB003MR: módulo independiente, no se necesita plantilla MC4 Template.**

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MODULES FOR DW METERING

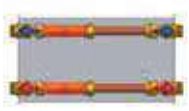
KEY FOR METERING UNITS

Domestic hot water units.

Domestic cold water units.

Thermostatic mixer.

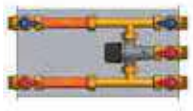
MC3



- **Modulo di contabilizzazione MC3 con unità per acqua calda sanitaria e acqua fredda sanitaria**
- *MC3 metering module with units for domestic hot water and domestic cold water*
- **Module de comptabilisation MC3 avec unités pour eau chaude sanitaire et eau froide sanitaire**
- *Messungsmodul MC3 mit Einheiten für Trinkwarmwasser und Trinkkaltwasser*
- **Módulo de contabilización MC3 con unidades para agua caliente sanitaria y agua fría sanitaria**

Code	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506520	HOT+COLD (Q3 2,5 m³/h) - G 3/4"	200086	500 mm	155,95 €	UA	1
506521	HOT+COLD (Q3 4 m³/h) - G 1"	200086	500 mm	261,92 €	UA	1

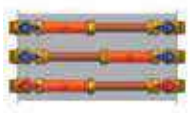
MC31



- **Modulo di contabilizzazione MC3 con unità per acqua calda sanitaria, acqua fredda sanitaria e miscelatore termostatico**
- *MC3 metering module with units for domestic hot water, domestic cold water and thermostatic mixer*
- **Module de comptabilisation MC3 avec unités pour eau chaude sanitaire, eau froide sanitaire et limiteur de température**
- *Messungsmodul MC3 mit Einheiten für Trinkwarmwasser, Trinkkaltwasser und thermostatischem Mischer*
- **Módulo de contabilización MC3 con unidades para agua caliente sanitaria, agua fría sanitaria y mezclador termostático**

Code	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506522	HOT+COLD (Q3 2,5 m³/h) + MIX - G 3/4"	200086	500 mm	241,88 €	UA	1

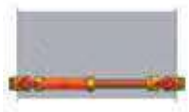
MC32



- **Modulo di contabilizzazione MC3 con unità per acqua calda sanitaria, acqua fredda sanitaria e acqua fredda duale**
- *MC3 metering module with units for domestic hot water, domestic cold water and dual cold water*
- **Module de comptabilisation MC3 avec unités pour eau chaude sanitaire, eau froide sanitaire et eau froide duale**
- *Messungsmodul MC3 mit Einheiten für Trinkwarmwasser, Trinkkaltwasser und Dualkaltwasser*
- **Módulo de contabilización MC3 con unidades para agua caliente sanitaria, agua fría sanitaria y agua fría dual**

Code	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506523	HOT+COLD+DUAL (Q3 2,5 m³/h) - G 3/4"	200086	500 mm	211,14 €	UA	1
506524	HOT+COLD+DUAL (Q3 4 m³/h) - G 1"	200086	500 mm	366,59 €	UA	1

MC33



- **Modulo di contabilizzazione MC3 solo con unità per acqua calda sanitaria**
- *MC3 metering module with unit for domestic hot water only*
- **Module de comptabilisation MC3 uniquement avec unité pour l'eau chade sanitaire**
- *Messungsmodul MC3 nur mit Einheit für Trinkwarmwasser*
- **Módulo de contabilización MC3 sólo con unidad para agua caliente sanitaria**

Code	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506525	HOT (Q3 2,5 m³/h) - G 3/4"	200086	500 mm	96,31 €	UA	1
506526	HOT (Q3 4 m³/h) - G 1"	200086	500 mm	151,40 €	UA	1

MC34



- **Modulo di contabilizzazione MC3 solo con unità per acqua fredda sanitaria**
- *MC3 metering module with unit for domestic cold water only*
- **Module de comptabilisation MC3 uniquement avec unité pour l'eau froide sanitaire**
- *Messungsmodul MC3 nur mit Einheit für Trinkkaltwasser*
- **Módulo de contabilización MC3 sólo con unidad para agua fría sanitaria**

Code	Domestic water units	Suitable Cabinet	Cabinet width	Price	Class	Packaging
506527	COLD (Q3 2,5 m³/h) - G 3/4"	200086	500 mm	94,16 €	UA	1
506528	COLD (Q3 4 m³/h) - G 1"	200086	500 mm	152,87 €	UA	1



- **200086 >> p. 204,493**



- **Contatore ACS >> p. 496**
- *DHW meter >> p. 496*
- **Compteur ECS >> p. 496**
- *BWW Zähler >> p. 496*
- **Contador ACS >> p. 496**

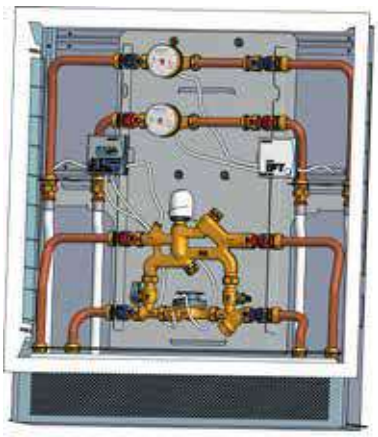


- **Contatore AFS >>p. 496**
- *DCW meter >>p. 496*
- **Compteur EFS >>p. 496**
- *BKW Zähler >>p. 496*
- **Contador AFS >>p. 496**

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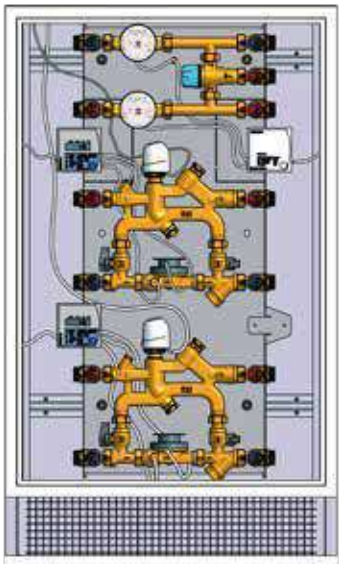
SPECIAL MODULES

EQM FLOOR



- **EQM FLOOR è una versione speciale di Equimeter dotata di supporto in lamiera speciale che permette, mediante alette forate ripiegate verso l'esterno, il fissaggio di tubi appositamente curvati per l'alimentazione e distribuzione dal e verso il basso. Tale soluzione permette di arrivare con le tubazioni direttamente dal basso, evitando difficoltose operazioni di curvatura dei tubi.**
- *EQM FLOOR is a special version of Equimeter equipped with a special sheet metal support which fixes specifically bent pipes, by means of perforated flaps bent outwards, to feed and distribute from and to the floor. The solution allows pipes to arrive directly from the floor, avoiding difficult pipe curvature operations.*
- **EQM FLOOR est une version spéciale d'Equimeter dotée d'un support en tôle spéciale qui permet, au moyen d'ailettes percées repliées vers l'extérieur, la fixation de tubes expressément courbés pour l'alimentation et la distribution du et vers le bas. Cette solution permet d'arriver avec les conduites directement du bas, en évitant des opérations de courbure difficiles des tubes.**
- *EQM FLOOR ist eine spezielle Version des Equimeter mit einem besonderen Blechhalter, bei dem mittels nach außen gebogenen perforierten Lamellen die Montage entsprechender gebogener Rohre für die Versorgung und Verteilung von und nach unten möglich wird. Diese Lösung erlaubt eine Zuführung der Leitungen direkt von unten, ohne schwierige Rohrbiegungen.*
- **EQM FLOOR es una versión especial de Equimeter con soporte de chapa especial que permite, mediante aletas perforadas dobladas hacia el exterior, la fijación de tubos curvados de manera que la alimentación y distribución se produzcan desde y hacia abajo. Dicha solución permite llegar con las tuberías directamente desde abajo, evitando operaciones complicadas de curvatura de los tubos.**

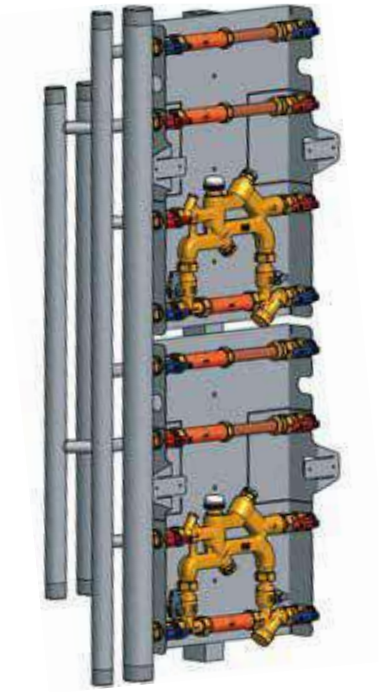
EQM DOUBLE H/C



- **Il sistema EQM DOUBLE è una soluzione ingegnerizzata per gli impianti a quattro tubi in cui i circuiti di alimentazione per riscaldamento e per raffrescamento risultano separati. Il modulo presenta, oltre alla parte di contabilizzazione sanitaria, due moduli Equimeter, uno per la contabilizzazione di energia in riscaldamento l'altro per quella in raffrescamento. Il tutto è alloggiato su apposito telaio in lamiera zincata che può essere inserito in cassetta speciale.**
- *The EQM DOUBLE system is a solution engineered for four-pipe plants in which the feed circuits for heating and cooling are separate. Aside from the DHW metering part, the module has two Equimeter modules, one to meter heating energy and the other for cooling. It is all housed in a specific galvanised sheet metal frame which can be inserted in a special cabinet.*
- **Le système EQM DOUBLE est une solution d'ingénierie pour les installations à quatre tubes o les circuits d'alimentation pour chauffage et pour refroidissement sont séparés. Le module présente, outre la partie de comptabilisation sanitaire, deux modules Equimeter, un pour la comptabilisation d'énergie en chauffage, l'autre pour celle en refroidissement. Le tout est logé sur un châssis approprié en tôle zinguée qui peut être inséré dans un boîtier spécial.**
- *Das System EQM DOUBLE ist eine technische Lösung für Vierrohrsysteme, bei denen die Versorgungskreise für Heizung und Kühlung getrennt sind. Das Modul besitzt, zusätzlich zu dem Teil der Warmwassermessung, zwei Equimeter-Module, eines für die Wärmemengenmessung beim Heizen und eines für die Kühlung. Sämtliche Teile sind auf einem entsprechenden Rahmen aus verzinktem Stahlblech vormontiert, der in einem speziellen Schrank installiert werden kann.*
- **El sistema EQM DOUBLE es una solución de ingeniería para las instalaciones de cuatro tubos en las que los circuitos de alimentación para calefacción y para aire acondicionado resultan separados. El módulo presenta, además de la parte de contabilización sanitaria, dos módulos Equimeter, uno para la contabilización de energía en calefacción y el otro para la del aire acondicionado. El conjunto se encuentra alojado en un marco de montaje de chapa galvanizada que se puede aplicar a una caja especia.**

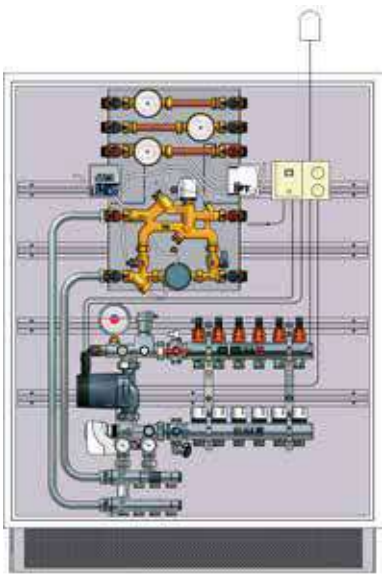
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CMI



- **I moduli CMI (connessioni multiple da incasso) sono soluzioni pensate per l'installazione in appositi vani tecnici realizzati ai singoli piani: in sostituzione delle tradizionali cassette da incasso contenenti i singoli moduli e che vengono installate al di fuori della singola utenza, CMI è un kit preassemblato su apposito telaio che include più moduli Equimeter (da due a cinque) già connessi alle colonne di distribuzione. Gli stacchi possono essere a destra, a sinistra o da ambo i lati delle colonne. Le colonne possono essere realizzate di differenti diametri.**
- *CMI modules (multiple recessed connections) are solutions designed for installation in specific technical compartments implemented on the single floors: they replace the traditional recessed cabinetes containing the individual modules and installed outside the single utility. CMI is a kit pre-assembled on a specific frame including some Equimeter modules (from two to five) already connected to the distribution columns. The units can be on the right, on the left or on both sides of the columns. The columns can be made in different diameters.*
- **Les modules CMI (connexions multiples à encastrer) sont des solutions pensées pour l'installation en locaux techniques appropriés, réalisés à chaque plan : en substitution des boîtiers traditionnels à encastrer contenant chaque module et qui sont installés au dehors de chaque installation, CMI un kit pré-assemblé sur un châssis approprié qui comprend plusieurs modules Equimeter (de deux à cinq) déjà reliés aux colonnes de distribution. Les détachements peuvent être à droite, à gauche ou des deux côtés des colonnes. Les colonnes peuvent être réalisées en différents diamètres.**
- *Die CMI-Module (mehrfache Einbauanschlüsse) sind Lösungen für den Einbau in spezielle Technikräume, die auf den einzelnen Stockwerken vorgesehen werden: anstelle der traditionellen Unterputzschränke mit den einzelnen Modulen, die außerhalb der einzelnen Verbrauchereinheiten installiert werden handelt es sich bei dem CMI um einen vormontierten Kit auf einem speziellen Rahmen, der mehrere Equimeter-Module (zwei bis fünf) umfasst, die bereits mit den Verteilsträngen verbunden sind. Die Abgänge können rechts, links oder auf beiden Seiten der Steigstränge vorgesehen werden. Die Steigstränge können in verschiedenen Durchmessern hergestellt werden.*
- **Los módulos CMI (conexiones múltiples empotrables) son soluciones pensadas para la instalación en compartimentos adecuados técnicos realizados en cada planta: en sustitución de las cajas tradicionales empotrables que contienen cada uno de los módulos y que se instalan fuera de cada dispositivo, CMI es un ékit pre-ensamblado en un marco de montaje adecuado que incluye más de un módulo Equimeter (de dos a cinco) ya conectados a las columnas de distribución. Las desconexiones pueden estar en la derecha, en la izquierda o en ambos lados de las columnas. Las columnas se pueden hacer en diferentes diámetros.**

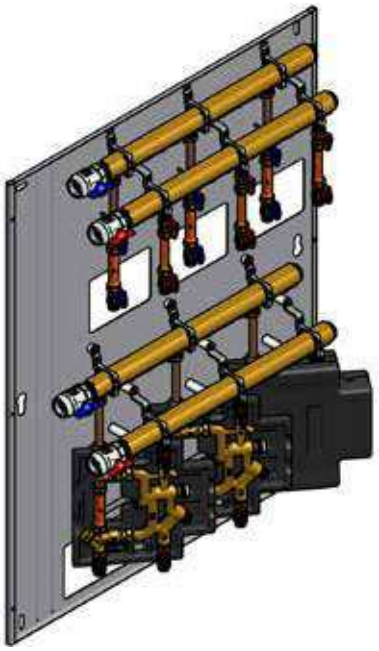
UNIMETER



- **Unimeter unisce all'interno di un'unica cassetta i sistemi Equimeter per la contabilizzazione del calore e il sistema UNIMIX per la miscelazione e distribuzione agli impianti radianti a pavimento. In questo caso la soluzione si sviluppa verticalmente riducendo gli ingombri in orizzontale. UNIMIX può quindi essere equipaggiato sia con i collettori di bassa temperatura (con relativi accessori) sia con i collettori di alta temperatura. Fino ad un massimo di 10 uscite sui circuiti a pavimento UNIMETER può essere alloggiato in cassette aventi luce utile di 1100 mm (altezza) x 900 mm (larghezza) x 110 mm (profondità). Nel caso di uscite da 11 a 13 è necessario passare a cassette con luce 1100 mm x 1100 mm x 110 mm.**
- *Unimeter unites Equimeter systems for metering heat and the UNIMIX system for mixing and distributing radiant floor systems in one cabinet. In this case, the solution is developed vertically, reducing horizontal encumbrances. UNIMIX can therefore be equipped both with low temperature manifolds (with relative accessories) and with high temperature manifolds. With up to a maximum of 10 outlets on floor circuits, UNIMETER can be housed in cabinetes with useful space of 1100 mm (height) x 900 mm (width) x 110 mm (depth). With 11 to 13 outlets, cabinetes 1100 mm x 1100 mm x 110 mm need to be used.*
- **Unimeter unit à l'intérieur d'un seul boîtier les systèmes Equimeter pour la comptabilisation de la chaleur et le système UNIMIX pour le mélange et la distribution aux installations radiantes au sol. Dans ce cas, la solution se développe verticalement réduisant ainsi les encombrements horizontaux. UNIMIX peut donc être équipé soit avec les collecteurs de basse température (avec les accessoires correspondants) soit avec les collecteurs de haute température. Jusqu'à un maximum de 10 sorties sur les circuits au sol UNIMETER peut être logé dans des boîtiers ayant un jour utile de 1100 mm (hauteur) x 900 mm (largeur) x 110 mm (profondeur). En cas de sorties de 11 à 13, il faut passer à des boîtiers ayant un jour de 1100 mm x 1100 mm x 110 mm.**
- *Unimeter vereint in einem einzigen Schrank die Equimeter-Systeme zur Wärmemessung und das UNIMIX-System für Mischung und Verteilung an die Fußbodenheizungskreise. In diesem Fall ist die Lösung vertikal ausgerichtet, wodurch sich eine geringe Breite ergibt. UNIMIX kann daher sowohl mit Niedertemperaturverteilern (mit entsprechendem Zubehör) als auch mit Hochtemperaturverteilern ausgestattet werden. Es können maximal 10 UNIMETER-Fußbodenkreise in einem Schrank mit den lichten Abmessungen 1100 mm (Höhe) x 900 mm (Breite) x 110 mm (Tiefe) untergebracht werden. Bei 11 – 13 Abgängen muss ein Schrankt mit lichtem Maß 1100 mm x 1100 mm x 110 mm vorgesehen werden.*
- **Unimeter reúne dentro de una única caja los sistemas para la contabilización del calor y el sistema UNIMIX para la mezcla y distribución en las instalaciones radiantes de suelo. En este caso la solución se desarrolla verticalmente reduciendo las dimensiones en horizontal. UNIMIX por lo tanto se puede equipar ya sea con los colectores de baja temperatura (con los correspondientes accesorios), ya sea con los colectores de alta temperatura. Hasta un máximo de 10 salidas en los circuitos por suelo UNIMETER puede alojarse en cajas con un espacio útil de 1100 mm (altura) x 900 mm (anchura) x 110 mm (profundidad). En el caso de salidas de 11 a 13 ées necesario pasar a cajas con luz 1100 mm x 1100 mm x 110 mm.**

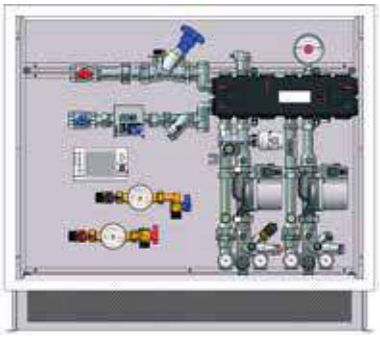
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PLURIMETER



- **PLURIMETER è sistema multiutenza completo assemblato su telaio che prevede più moduli EQUIMETER installati verticalmente e collegati direttamente sul lato primario a dei collettori principali di distribuzione che derivano dalle colonne montanti dell'edificio. Analogamente anche le linee sanitarie delle singole utenze sono collegate a dei collettori principali di distribuzione. Tale soluzione che si sviluppa soprattutto in orizzontale (rispetto ai moduli CMI) permette di concentrare in un'unica zona tecnica i collegamenti idraulici, elettrici e le letture dei dispositivi.**
- *PLURIMETER is the complete multi-utility system assembled on a frame with several EQUIMETER modules installed vertically and connected directly on the primary side to the main distribution manifolds coming from the upright columns of the building. In the same way the DHW lines of the individual utilities are connected to the main distribution manifolds. This solution is especially developed horizontally (with respect to CMI modules) concentrating the hydraulic and electrical connections and reading devices in a single technical area.*
- **PLURIMETER est système à plusieurs installations complet, assemblé sur un châssis qui prévoit plusieurs modules EQUIMETER installés verticalement et reliés directement sur le côté primaire à des collecteurs principaux de distribution qui dérivent des colonnes montantes de l'édifice. De façon analogue, les lignes sanitaires de chaque installation sont également reliées à des collecteurs principaux de distribution. Cette solution qui se développe surtout horizontalement (par rapport aux modules CMI) permet de concentrer les raccordements hydrauliques, électriques et les lectures des dispositifs dans une unique zone technique.**
- *PLURIMETER ist ein System für mehrere Verbraucher, vollständig auf einem Rahmen vormontiert, bei dem mehrere EQUIMETER-Module vertikal eingebaut und direkt mit der Primärseite der Hauptverteiler der Steigleitungen des Gebäudes verbunden sind. Auf gleiche Weise sind auch die Warmwasserleitungen der einzelnen Verbraucher mit den Hauptverteilern verbunden. Diese im wesentlichen waagerecht ausgerichtete Lösung (gegenüber den CMI-Modulen) ermöglicht eine gebündelte Anordnung aller hydraulischen und elektrischen Anschlüsse in einem Technikbereich mit zentraler Ablesung der Einheiten.*
- **PLURIMETER es un sistema multiusuario completo, ensamblado en marco de montaje que prevé varios módulos EQUIMETER instalados verticalmente y conectados directamente en el lado primario a colectores principales de distribución que derivan de las columnas ascendentes del edificio. De manera parecida también las líneas sanitarias de cada usuario están conectadas y unos colectores principales de distribución. Dicha solución que se desarrolla sobre todo en horizontal (respecto a los módulos CMI) permite concentrar en una única zona técnica las conexiones hidráulicas, eléctricas y las lecturas de los dispositivos.**

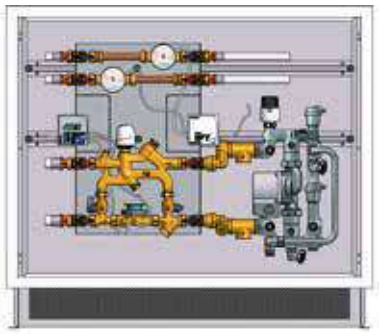
MULTIMETER



- **MULTIMETER abbina un sistema di contabilizzazione del calore e dell'acqua sanitaria ad un gruppo MULTIMIX. La parte di contabilizzazione calore comprende due valvole di intercettazione all'ingresso e all'uscita del modulo, una valvola di bilanciamento, un filtro e il tronchetto per l'alloggiamento del contatore di calore sul ritorno. Grazie a due raccordi eccentrici il sistema viene collegato al collettore/separatore idraulico del gruppo MULTIMIX che a seconda delle esigenze specifiche può essere completato con i moduli di distribuzione di alta e/o bassa temperatura.**
- *MULTIMETER combines a heat and DHW metering system to a MULTIMIX unit. The heat metering part includes two shut-off valves at the inlet and outlet of the module, a balancing valve, a filter and the stub pipe housing the heat meter on the return line. The system is connected to the hydraulic manifold/separator of the MULTIMIX unit by two eccentric fittings. According to specific requirements, it can be completed with high and/or low temperature distribution modules.*
- **MULTIMETER associe un système de comptabilisation de la chaleur et de l'eau sanitaire à un groupe MULTIMIX. La partie de comptabilisation de la chaleur comprend deux vannes d'interception à l'entrée et à la sortie du module, une vanne d'équilibrage, un filtre et les tricoises pour le logement du compteur de chaleur sur le retour. Gr,ce à deux raccords excentriques, le système est relié au collecteur/séparateur hydraulique du groupe MULTIMIX qui peut, selon les exigences spécifiques, être complété avec les modules de distribution de haute et/ou basse température.**
- *MULTI kombiniert ein Heizwärme- und Warmwasser-Messsystem mit einer MULTIMIX-Gruppe. Der Abschnitt der Heizwärmemessung umfasst zwei Absperrventile am Zu- und Ablauf des Moduls, ein Abgleichventil, ein Filter und das Passstück für den Wärmezähler im Rücklauf. Dank zweier Exzenterverschraubungen wird das System mit dem Verteiler/der hydraulischen Weiche der MULTIMIX-Gruppe verbunden, die nach Bedarf mit den Hoch-/Niedertemperatur-Verteilermodulen vervollständigt werden kann.*
- **MULTIMETER combina un sistema de contabilización del calor y del agua sanitaria a un grupo MULTIMIX. La parte de contabilización del calor comprende dos válvulas de interceptación en la entrada y la salida del módulo, una válvula de equilibrado, un filtro y el tronco para el alojamiento del contador de calor en el retorno. Gracias a los dos racores excéntricos el sistema se conecta al colector/separador hidráulico del grupo MULTIMIX que según las necesidades específicas se puede completar con los módulos de distribución de alta y/o baja temperatura.**

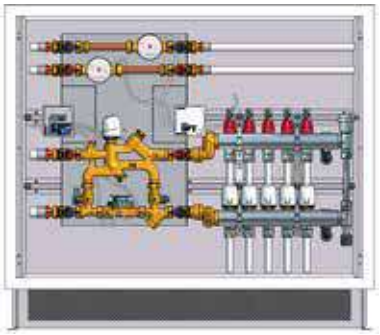
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COMBIMETER



- **COMBIMETER è un sistema che unisce due prodotti standard del catalogo IVAR: Combimix ed Equimeter. All'interno di un'unica cassetta è possibile quindi avere la contabilizzazione dell'acqua sanitaria (calda e fredda), la contabilizzazione del calore e il gruppo di miscelazione e rilancio per distribuzione a pavimento. Inoltre Combimeter presenta tra il modulo Equimeter e il Combimix dei raccordi a T dai quali è possibile staccare la distribuzione in alta temperatura.**
- *COMBIMETER is a system which unites two standard products of the IVAR catalogue: Combimix and Equimeter. In a single cabinet you can have metering of sanitary water (hot and cold), metering of heat and the mixing and booster unit for floor distribution. Furthermore Combimeter has tee fittings between the Equimeter and Combimix module, from which high temperature distribution can be detached.*
- **COMBIMETER est un système qui unit deux produits standards du catalogue IVAR : Combimix et Equimeter. À l'intérieur d'un seul boîtier, il est donc possible d'avoir la comptabilisation de l'eau sanitaire (chaude et froide), la comptabilisation de la chaleur et le groupe de mélange et de relance pour distribution au sol. En outre, Combimeter présente entre le module Equimeter et le Combimix des raccords en T d'où on peut détacher la distribution en haute température.**
- *COMBIMETER ist ein System, das zwei Standardprodukte des IVAR-Katalogs vereint: Combimix und Equimeter. Innerhalb eines einzigen Schranks kann die Trinkwassermessung (Warm- und Kaltwasser), die Heizwärmemessung sowie die Regel-/Mischerstation mit Umwälzpumpe für die Fußbodenheizung untergebracht werden. Zusätzlich verfügt Combimeter zwischen dem Combimix-Modul und dem Equimeter-Modul über T-Stücke, an denen Abgänge für die Hochtemperaturverteilung vorgesehen werden können.*
- **COMBIMETER es un sistema que une dos productos estándar del catálogo IVAR: Combimix y Equimeter. Dentro de una única caja, por lo tanto, se puede tener la contabilización del agua sanitaria (caliente y fría), la contabilización del calor y el grupo de mezcla e impulso para la distribución por el suelo. Además Combimeter presenta, entre el módulo Equimeter y el Combimix, unos racores en forma de T de los cualesé se puede desconectar la distribución en alta temperatura.**

COLLMETER



- **COLLMETER è una soluzione preassemblata in cassetta da incasso che prevede il modulo Equimeter collegato a collettori di distribuzione. I collettori sono completi di dispositivi Fluxer per il bilanciamento e visualizzazione della portata sui singoli circuiti, valvole di intercettazione sul ritorno, rubinetti di carico/scarico e valvole sfiato aria. Realizzabile anche con modulo di contabilizzazione MC per grandi portate.**
- *COLLMETER is a pre-assembled solution in a recessed cabinet including an Equimeter module connected to distribution manifolds. The manifolds are complete with Fluxer devices for balancing and displaying the flow rate of the individual circuits, shut-off valves on the return line, filling/draining valves and air vent valves. Also available with MC metering module for large flow rates.*
- **COLLMETER est une solution pré-assemblée dans un boîtier à encastrer qui prévoit le module Equimeter relié à des collecteurs de distribution. Les collecteurs comprennent les dispositifs Fluxer pour l'équilibrage et la visualisation du débit sur chaque circuit, vannes d'interception sur le retour, robinets de chargement/déchargement et purgeurs d'air. Également disponibile avec le module de mesure MC pour des débits élevés.**
- *COLLMETER ist eine im Unterputzschrank vormontierte Lösung, bei der das Equimeter-Modul an die Verteilerleitungen angeschlossen wird. Die Verteiler sind mit Fluxer-Einheiten zum Abgleich und Durchflussanzeige der einzelnen Kreise, Absperrventile im Rücklauf, Füll-/Entleerhähne sowie Entlüftungsventile ausgestattet. Auch mit MC-Messmodul für hohe Durchflussraten erhältlich.*
- **COLLMETER es una solución pre-ensamblada en caja para empotrar, que prevé el módulo Equimeter conectado a colectores de distribución. Los colectores cuentan con dispositivos Fluxer para el equilibrado y visualización del caudal en cada circuito, válvulas de interceptación en el retorno, grifos de carga/descarga y válvulas para purgar el aire. También disponible con módulo de medición MC para caudales elevados.**

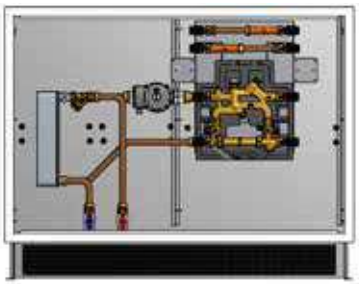


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Manifold ways	Suitable cabinet	Height	Width	Depth
2	200690	860-960 mm	800 mm	110-160 mm
3	200690	860-960 mm	800 mm	110-160 mm
4	200190	860-960 mm	900 mm	110-160 mm
5	200190	860-960 mm	900 mm	110-160 mm
6	200790	860-960 mm	1.000 mm	110-160 mm
7	200790	860-960 mm	1.000 mm	110-160 mm
8	200290	860-960 mm	1.100 mm	110-160 mm
9	200290	860-960 mm	1.100 mm	110-160 mm
10	200890	860-960 mm	1.200 mm	110-160 mm
11	200890	860-960 mm	1.200 mm	110-160 mm
12	200390	860-960 mm	1.300 mm	110-160 mm
13	200390	860-960 mm	1.300 mm	110-160 mm

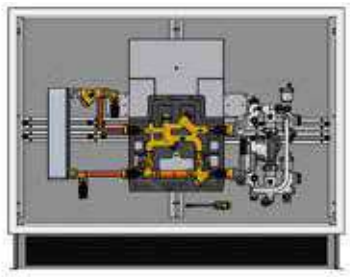
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SATMETER



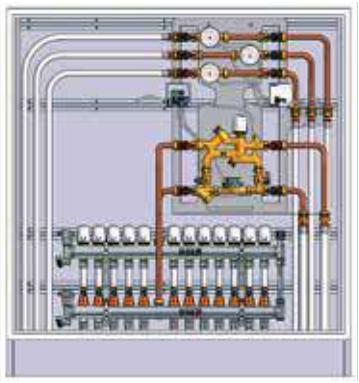
- **SATMETER è un modulo EQUIMETER con scambiatore di calore e pompa di rilancio integrati.**
- *SATMETER is an EQUIMETER module with integrated heat exchanger and booster pump.*
- **SATMETER est un module EQUIMETER avec échangeur de chaleur et pompe de surpression intégrés.**
- *SATMETER ist ein EQUIMETER-Modul mit integrierten Wärmetauscher und Druckerhöhungspumpe.*
- **SATMETER es un módulo EQUIMETER con intercambiador de calor y bomba de refuerzo integrados.**

COMBI-SATMETER



- **COMBI-SATMETER nasce dall'unione di SATMETER e COMBIMIX.**
- *COMBI-SATMETER is conceived from combining SATMETER and COMBIMIX.*
- **COMBI-SATMETER naît de l'union de SATMETER et COMBIMIX.**
- *COMBI-SATMETER entsteht aus der Vereinigung von SATMETER und COMBIMIX.*
- **COMBI-SATMETER nace de la unión de SATMETER y COMBIMIX.**

COLLMETER FLOOR



- **COLLMETER FLOOR presenta gli attacchi dal basso rispetto al COLLMETER standard: tale soluzione prevede un supporto in lamiera appositamente studiato con alette esterne per il fissaggio dei tubi provenienti dal basso. I collettori di distribuzione sono disposti al di sotto del modulo Equimeter e vengono alimentati centralmente sfruttando una delle vie del collettore. La soluzione risulta più compatta orizzontalmente, sviluppandosi in verticale. La seguente tabella suggerisce le cassette consigliate in funzione del numero di uscite del collettore.**
- *COLLMETER FLOOR has bottom connections with respect to COLLMETER standard: this solution includes a sheet metal support specifically designed with external flaps to fix pipes coming from the floor. The distribution manifolds are arranged underneath the Equimeter module and are fed in the middle by exploiting one of the manifold routes. The solution is more compact horizontally, developing vertically. The following table shows the suggested cabinetes depending on the number of manifold outlets.*
- **COLLMETER FLOOR présente les raccords du bas par rapport à COLLMETER standard : cette solution prévoit un support en tôle expressément étudié avec des ailettes externes pour la fixation des tubes provenant du bas. Les collecteurs de distribution sont disposés au-dessous du module Equimeter et sont alimentés de façon centrale en exploitant une des voies du collecteur. La solution est plus compacte horizontalement, en se développant verticalement. Le tableau suivant suggère les boîtiers conseillés en fonction du nombre de sorties du collecteur.**
- *Beim COLLMETER FLOOR sind im Gegensatz zum COLLMETER Standard die Anschlüsse unten angeordnet: Diese Lösung besitzt einen speziell entwickelten Blechhalter mit externen Lamellen zur Befestigung der von unten kommenden Leitungen. Die Verteiler sind unterhalb des Equimeter-Moduls angeordnet und werden zentral über einen der Verteileranschlüsse gespeist. Die Lösung ist schmäler, da sie sich mehr in vertikaler Richtung entwickelt. Die folgende Tabelle zeigt das empfohlene Schrankmodell entsprechend der Anzahl der Verteilerabgänge.*
- **COLLMETER FLOOR presenta las conexiones desde abajo respecto al COLLMETER estándar: dicha solución prevé un soporte de chapa estudiado específicamente con aletas externas para la fijación de los tubos provenientes desde abajo. Los colectores de distribución están colocados por debajo del módulo Equimeter y se alimentan centralmente aprovechando una de las vías del colector. La solución resulta más compacta horizontalmente, desarrollándose en vertical. La siguiente tabla sugiere las cajas aconsejadas en base al número de salidas del collettore.**

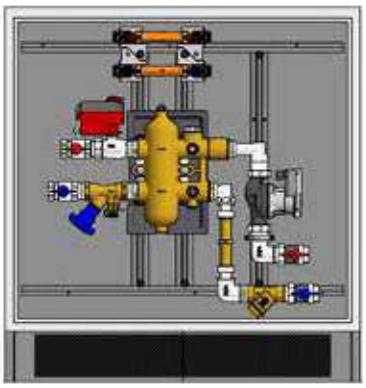


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Manifold ways	Suitable cabinet	Height	Width	Depth
2	200190	860-960 mm	900 mm	110-160 mm
3	200190	860-960 mm	900 mm	110-160 mm
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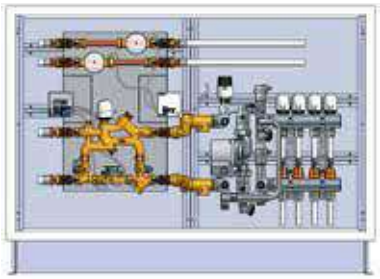
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SEPMETER



- **SEPMETER è una soluzione che prevede la separazione idraulica tra il circuito primario di caldaia e il circuito della singola utenza. Il sistema prevede un separatore idraulico al centro che divide la parte primaria del modulo, su cui sono montate valvole a sfera di ingresso e uscita e una valvola di bilanciamento, da quella secondaria completa di valvola di ritegno, pompa di rilancio, valvole di intercettazione, filtro e tronchetto per alloggiamento contatore di calore. Il modulo si completa con le linee di distribuzione sanitaria. SEPMETER è anche disponibile nella variante con valvola miscelatrice sul lato secondario per poter distribuire acqua a bassa temperatura ad impianti radianti.**
- *SEPMETER is a solution which hydraulically separates the primary boiler circuit and the single utility circuit. The system has a hydraulic separator in the middle which divides the primary part of the module, upon which inlet and outlet ball valves and a balancing valve are mounted, from the secondary part complete with check valve, booster pump, shut-off valves, filter and stub pipe housing the heat meter. The module is completed with DHW distribution lines. SEPMETER is also available in the variant with mixer valve on the secondary side to distribute low temperature water to radiant systems.*
- **SEPMETER est une solution qui prévoit la séparation hydraulique entre le circuit primaire de la chaudière et le circuit de chaque installation. Le système prévoit un séparateur hydraulique au centre, qui divise la partie primaire du module sur lequel sont montés des soupapes à bille d'entrée et de sortie, et une vanne d'équilibrage, et la partie secondaire avec vanne de retenue, pompe de relance, vannes d'interception, filtre et tricoises pour le logement du compteur de chaleur. Le module se complète avec les lignes de distribution sanitaire. SEPMETER est également disponible dans la variante avec vanne mélangeuse sur le côté secondaire pour pouvoir distribuer de l'eau à basse température à des installations radiantes.**
- *SEPMETER ist eine Lösung für die hydraulische Trennung zwischen Primärkesselkreis und dem Kreislauf der einzelnen Verbraucher. Das System besitzt in der Mitte eine hydraulische Weiche, die den Primärteil des Moduls trennt. In diesem sind Kugelhähne am Zu- und Ablauf sowie ein Abgleichventil installiert, im Sekundärteil sind Rückschlagventil, Umwälzpumpe, Absperrventile, Filter und Passstück für Wärmezähler. Das Modul wird mit den Trinkwasser-Verteilleitungen vervollständigt. SEPMETER steht auch als Variante mit Mischventil auf der Sekundärseite zur Verfügung, um Niedertemperaturheizkreise mit Wasser zu versorgen.*
- **SEPMETER es una solución que prevé la separación hidráulica entre el circuito primario de la caldera y el circuito del punto de uso individual. El sistema prevé un separador hidráulico al centro que divide la parte primaria del módulo, en el que están montadas las válvulas de esfera de entrada y salida y una válvula de equilibrado, de aquella secundaria con válvula de retención, bomba de relanzamiento, válvulas de interceptación, filtro y tronco para alojamiento del contador de calor. El módulo se completa con las líneas de distribución sanitaria. SEPMETER también está disponible en la versión con válvula mezcladora en el lado secundario para poder distribuir agua a baja temperatura a las instalaciones radiantes.**

COLL-COMBIMETER



- **E' una soluzione che include all'interno di un'unica cassetta un sistema Combimeter e i collettori per la distribuzione a pavimento completi di dispositivi Fluxer per il bilanciamento e la visualizzazione della portata sui singoli circuiti e valvole di intercettazione sul ritorno.**
- *This solution includes a Combimeter system and manifolds for floor distribution in a single cabinet, complete with Fluxer devices for balancing and displaying the flow rate of the individual circuits and shut-off valves on the return line.*
- **C'est une solution qui inclut à l'intérieur d'un seul boîtier un système Combimeter et les collecteurs pour la distribution au sol, avec dispositifs Fluxer pour l'équilibrage et la visualisation du débit sur chaque circuit et vannes d'interception sur le retour.**
- *Es handelt sich um eine Lösung, bei der in einem einzigen Schrank ein Combimeter-System sowie Fußbodenheizungsverteiler mit Fluxer-Einheiten zum Abgleich und Durchflussanzeige der einzelnen Kreise und Absperrventile im Rücklauf installiert sind.*
- **Es una solución que incluye dentro de una sola caja un sistema Combimeter y los colectores, para la distribución por el suelo, con dispositivos Fluxer para el equilibrado y la visualización del caudal en cada uno de los circuitos y válvulas de interceptación en el retorno.**

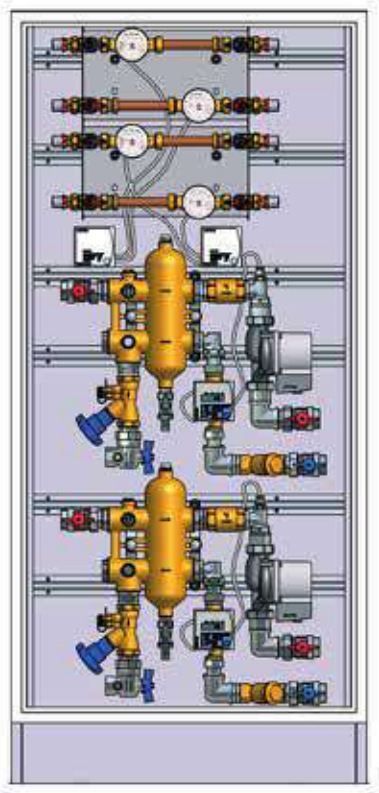


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8	200890	860-960 mm	1.200 mm	110-160 mm
9	200390	860-960 mm	1.300 mm	110-160 mm
10	200390	860-960 mm	1.300 mm	110-160 mm
11	200490	860-960 mm	1.500 mm	110-160 mm
12	200490	860-960 mm	1.500 mm	110-160 mm
13	200490	860-960 mm	1.500 mm	110-160 mm

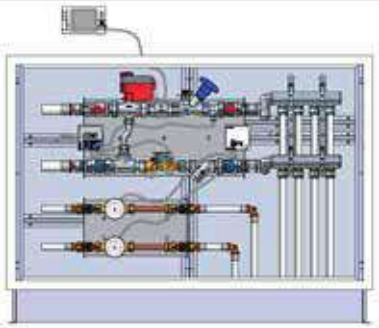
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MULTI-SEPMETER



- **MULTI-SEPMETER è un sistema che prevede più SEPMETER alloggiati all'interno della stessa cassetta. Tale soluzione presenta il vantaggio di concentrare in un'unica area le connessioni idrauliche, elettriche e la lettura dei dispositivi.**
- *MULTI-SEPMETER is a system which includes several SEPMETER units housed in the same cabinet. This solution has the advantage of concentrating hydraulic and electrical connections and reading devices in the same area.*
- **MULTI-SEPMETER est un système qui prévoit plusieurs SEPMETER logés à l'intérieur du même boîtier. Cette solution présente l'avantage de concentrer les connexions hydrauliques, électriques et la lecture des dispositifs dans une seule zone.**
- *Bei dem MULTI-SEPMETER-System werden mehrere SEPMETER im gleichen Schrank untergebracht. Diese Lösung bietet den Vorteil, die hydraulischen und elektrischen Anschlüsse sowie den Ablesepunkt der Zähler an einer Stelle zusammenzufassen.*
- **MULTI-SEPMETER es un sistema que prevé variosù SEPMETER alojados dentro de la misma caja. Dicha solución presenta la ventaja de concentrar en una única área las conexiones hidráulicas, eléctricas y la lectura de los dispositivos.**

COLL-MC



- **È un modulo d'utenza che unisce il modulo MC con i collettori di distribuzione da barra. E' possibile personalizzare i collettori con dispositivi Fluxer di bilanciamento e visualizzazione della portata, valvole di intercettazione sul ritorno, rubinetti carico/scarico e valvole sfiato aria. La seguente tabella riporta le cassette suggerite in funzione del numero di uscite sui collettori.**
- *This utility module unites the MC module with bar distribution manifolds. The manifolds can be customised with Fluxer devices for balancing and displaying the flow rate, shut-off valves on the return line, filling/draining valves and air vent valves. The following table shows the suggested cabinetes depending on the number of manifold outlets.*
- **C'est un module d'installation qui unit le module MC avec les collecteurs de distribution à barre. Il est possible de personnaliser les collecteurs avec dispositifs Fluxer d'équilibrage et de visualisation du débit, vannes d'interception sur le retour, robinets chargement/déchargement et purgeurs d'air. Le tableau suivant reporte les boîtiers suggérés en fonction du nombre de sorties sur les collecteurs.**
- *Dieses Verbrauchermodul vereinigt das MC-Modul mit den Stangenverteilern. Die Verteiler können mit Fluxer-Einheiten zum Abgleich und Durchflussanzeige, Absperrventile im Rücklauf, Füll-/Entleerhähne sowie Entlüftungsventile individuell angepasst werden. Die folgende Tabelle zeigt das empfohlene Schrankmodell entsprechend der Anzahl der Verteilerabgänge.*
- **Es un módulo de usuario que une el módulo MC con los colectores de distribución de barra. Los colectores se pueden personalizar con dispositivos Fluxer de equilibrado y visualización del caudal, válvulas de interceptación en el retorno, grifos de carga/descarga y válvulas para purgar el aire. La siguiente tabla indica las cajas aconsejadas en base al número de salidas en los colectores.**



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Manifold ways	Suitable cabinet	Height	Width	Depth
2	200190	860-960 mm	900 mm	110-160 mm
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4	200790	860-960 mm	1.000 mm	110-160 mm
5	200790	860-960 mm	1.000 mm	110-160 mm
6	200290	860-960 mm	1.100 mm	110-160 mm
7	200290	860-960 mm	1.100 mm	110-160 mm
8	200890	860-960 mm	1.200 mm	110-160 mm
9	200890	860-960 mm	1.200 mm	110-160 mm
10	200390	860-960 mm	1.300 mm	110-160 mm
11	200390	860-960 mm	1.300 mm	110-160 mm
12	200490	860-960 mm	1.500 mm	110-160 mm
13	200490	860-960 mm	1.500 mm	110-160 mm

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ACCESSORIES FOR METERING MODULES

AMCD 01



- **Guscio di coibentazione per unità di contabilizzazione del calore.**
- *Insulation shell for heat metering unit.*
- **Coque d'isolation pour unité de comptabilisation de chaleur.**
- *Isolierschale für Wärmemesseung Einheit.*
- **Cobertura aislante para la unidad de contabilización de calor.**

Code	Module	Price	Class	Packaging
506704	EQM series	54,18 €	UA	2
506219	MC1 series	96,81 €	UA	2 / 2
502510	MC2 series	124,03 €	UA	1
506384	MC4 series	98,28 €	UA	1

M 01



- **Pozzetto per sonda di temperatura. Disponibile nella versione in plastica ed ottone.**
- *Well for temperature probe. Available in plastic and brass version.*
- **Regard pour sonde de température. Disponible dans la version en plastique et en laiton.**
- *Schacht für Temperatursonde. Erhältlich in Version aus Plastik und Messing.*
- **Registro para sonda de temperatura. Disponible en las versiones de plástico y latón.**

Code	Size	Price	Class	Packaging
00M100001	M10 x 1 - Plastic	8,14 €	UG	1
00M100003	M10 x 1 - Brass	12,62 €	UG	1

SC 01 EQM



- **Kit scambiatore di calore per EQUIMETER.**
- *Heat exchanger kit for EQUIMETER.*
- **Kit échangeur de chaleur pour EQUIMETER.**
- *Wärmetauscher-Bausatz für EQUIMETER.*
- **Kit intercambiador de calor para EQUIMETER.**

Code	Price	Class	Packaging
502021	645,00 €	UA	1

AC 659 NR



- **Valvola a sfera diritta femmina-femmina completa di dado girevole e pozzetto per sonda di temperatura, manovra a farfalla, (rossa).**
- *Female-female straight ball valve with swivelling nut and well for temperature probe, butterfly operation (red).*
- **Vanne à bille droite femelle-femelle avec écrou rotatif et regard pour sonde de température, manoeuvre à papillon (rouge).**
- *Durchgangs-Kugelventil IG-IG mit drehbarer Mutter, Schacht für Temperatursonde und Flügelgriff (rot).*
- **Válvula de bola recta hembra-hembra completa de tuerca giratoria y registro para sonda de temperatura, vuelta a mariposa (roja).**

Code	Size	Color	Price	Class	Packaging
501901NR	3/4" F		39,19 €	NO	10 / 40

KIT R CAL



- **Kit di ricircolo per Equimeter, Equicompact, Equidynamc, MC1, MC2, MC4.**
- *Recirculation kit for Equimeter, Equicompact, Equidynamc, MC1, MC2, MC4.*
- **Kit de recirculation pour Equimeter, Equicompact, Equidynamc, MC1, MC2, MC4.**
- *Rückführung-Bausatz für Equimeter, Equicompact, Equidynamc, MC1, MC2, MC4.*
- **Kit de recirculación para Equimeter, Equicompact, Equidynamc, MC1, MC2, MC4.**

Code	Price	Class	Packaging
KSB0163	121,26 €	UA	1

AVAR 06



- **Kit di contabilizzazione del calore per VAR 10 - VAR 20 - VAR 21 (sistema VARIMIX).**
- *Heat metering kit for VAR 10 - VAR 20 - VAR 21 (VARIMIX system).*
- **Kit de comptabilisation de la chaleur pour VAR 10 - VAR 20 - VAR 21 (système VARIMIX).**
- *Wärmemessung-Kit für VAR 10 - VAR 20 - VAR 21 (VARIMIX-System).*
- **Kit de contabilización del calor para VAR 10 - VAR 20 - VAR 21 (sistema VARIMIX).**

Code	Size	Price	Class	Packaging
KSB0171	G 1"1/4	237,30 €	UA	1 / 4

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AC 840



- **Cassetta murale ad incasso con altezza e profondità variabili per collettori e moduli MC.**
- *Wall fitted cabinet with variable height and depth for manifolds and MC modules.*
- **Cassette murale encastrable avec hauteur et profondeur variables pour collecteurs et modules MC.**
- *Einbauwandkasten mit variabler Höhe und Tiefe für Verteiler und Module MC.*
- **Caja mural de empotrar de altura y profundidad variables para colectores y modulos MC.**

Code	Height	Width	Depth	Module	Price	Class	Packaging
200086	600-700 mm	500 mm	80-130 mm	MC3 series	231,99 €	NZ	1
200186	600-700 mm	700 mm	80-130 mm	MC15	275,12 €	NZ	1

AC 830



- **Cassetta murale ad incasso con altezza e profondità variabili per collettori e moduli MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.**
- *Wall fitted cabinet with variable height and depth for manifolds and MC / IVAR-SAT / MULTIMIX / MULTIMIX-C modules.*
- **Cassette murale encastrable avec hauteur et profondeur variables pour collecteurs et modules MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.**
- *Einbauwandkasten mit variabler Höhe und Tiefe für Verteiler und Module MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.*
- **Caja mural de empotrar de altura y profundidad variables para colectores y modulos MC / IVAR-SAT / MULTIMIX / MULTIMIX-C.**

Code	Height	Width	Depth	Module	Price	Class	Packaging
200590	860-960 mm	600 mm	110-160 mm	MC4 series (3/4")	335,14 €	NZ	1
200090	860-960 mm	700 mm	110-160 mm	MC 1/11/12/13/14 - MC4 series (1") - IVAR-SAT H/L/LE - 3-way Multimix/Multimix-C	342,76 €	NZ	1
200190	860-960 mm	900 mm	110-160 mm	MC2 series - IVAR-SAT HL/HLE	452,88 €	NZ	1

AC 830 S



- **Cassetta murale ad incasso con altezza e profondità variabili per moduli EQUIMETER, EQUICOMPACT e EQUIDYNAMIC.**
- *Wall fitted cabinet with variable height and depth for EQUIMETER, EQUICOMPACT and EQUIDYNAMIC modules.*
- **Cassette murale encastrable avec hauteur et profondeur variables pour modules EQUIMETER, EQUICOMPACT et EQUIDYNAMIC.**
- *Einbauwandkasten mit variabler Höhe und Tiefe für Module EQUIMETER, EQUICOMPACT und EQUIDYNAMIC.*
- **Caja mural de empotrar de altura y profundidad variables para modulos EQUIMETER, EQUICOMPACT y EQUIDYNAMIC.**

Code	Height	Width	Depth	Module	Price	Class	Packaging
200085	780-855 mm	555 mm	113-163 mm	EQM series	276,93 €	NZ	1
200091	1.100-1.175 mm	545 mm	113-163 mm	EQM double H/C	439,47 €	NZ	1
200091G4	1.000 mm (4 tracks)	550 mm	110-160 mm	Equicompact / Equidynamic x 2	599,31 €	NZ	1
200191G6	1.500 mm (6 tracks)	550 mm	110-160 mm	Equicompact / Equidynamic x 3	795,00 €	NZ	1

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METERS

IVAR offers a complete range of heat meters ranging from the smallest sizes, for use in modules or heating interface units, to larger sizes for use in a heating plant. The smaller counters are compact and are available in both the single-jet mechanical version and the ultrasonic version. Both the single-jet mechanical meter and the ultrasonic meter are available in modular formats with basic versions (for heating only or for heating/cooling), direct reading to which external modules can be applied to obtain versions with M-BUS output, AMR radio or Walk-by. For more specific applications, there are also meters with M-BUS output and two impulse inputs for the connection of domestic hot water flowmeters. All meters comply with the MID directive.

HMR-M



- **Contatore di calore meccanico con uscita M-BUS e due ingressi impulsivi per installazione in cassetta.**
- *Mechanical heat meter with M-BUS output and two pulsed inputs for cabinet installation.*
- **Compteur de chaleur mécanique avec sortie M-BUS et deux entrées impulsives pour installation dans la cassette.**
- *Mechanischer Wärmezähler mit M-BUS-Ausgang und zwei Impulseingänge zur Installation in der Kasten.*
- **Contador de calor mecánico con salida M-BUS y dos entradas impulsivas para instalación en la caja.**

Code	Reading	Size	Qp	Type	Price	Class	Packaging
HMR15MFI	M-BUS + 2 pulse IN	G 3/4"	1.50 m³/h	Heat/Cold	477,40 €	UG	1
HMR20MFI	M-BUS + 2 pulse IN	G 1"	2.50 m³/h	Heat/Cold	493,61 €	UG	1

HMR-R



- **Contatore di calore meccanico con uscita radio (WALK-BY o AMR) e tre ingressi impulsivi per installazione in cassetta.**
- *Mechanical heat meter with radio output (WALK-BY or AMR) and three pulsed inputs for cabinet installation.*
- **Compteur de chaleur mécanique avec sortie radio (WALK-BY ou AMR) et trois entrées impulsives pour installation dans la cassette.**
- *Mechanischer Wärmezähler mit Radio-Ausgang (WALK-BY oder AMR) und drei Impulseingänge zur Installation in der Kasten.*
- **Contador de calor mecánico con salida radio (Walk-by o AMR) y tres entradas impulsivas para instalación en la caja.**

Code	Reading	Size	Qp	Type	Price	Class	Packaging
HMR15RFI-E	Radio (WALK-BY / AMR) + 3 pulse IN	G 3/4"	1.50 m³/h	Heat/Cold	745,80 €	UG	1
HMR20RFI-E	Radio (WALK-BY / AMR) + 3 pulse IN	G 1"	2.50 m³/h	Heat/Cold	765,49 €	UG	1

US-M



- **Contatore di calore a ultrasuoni con uscita M-BUS e tre ingressi impulsivi per installazione in cassetta.**
- *Ultrasonic heat meter with M-BUS output and three pulsed inputs for cabinet installation.*
- **Compteur de chaleur à ultrasons avec sortie M-BUS et trois entrées impulsives pour installation dans la cassette.**
- *Ultraschall-Wärmezähler mit M-BUS-Ausgang und drei Impulseingänge zur Installation in der Kasten.*
- **Contador de calor con ultrasonidos con salida M-BUS y tres entradas impulsivas para instalación en la caja.**

Code	Reading	Size	Qp	Type	Price	Class	Packaging
US15MFI-E	M-BUS + 3 pulse IN	G 3/4"	1.50 m³/h	Heat/Cold	673,04 €	UG	1
US20MFI-E	M-BUS + 3 pulse IN	G 1"	2.50 m³/h	Heat/Cold	691,68 €	UG	1

US-R



- **Contatore di calore a ultrasuoni con uscita radio (WALK-BY o AMR) per installazione in cassetta.**
- *Ultrasonic heat meter with radio output (WALK-BY or AMR) for cabinet installation.*
- **Compteur de chaleur à ultrasons avec sortie radio (WALK-BY ou AMR) pour installation dans la cassette.**
- *Ultraschall-Wärmezähler mit Radio-Ausgang (WALK-BY oder AMR) zur Installation in der Kasten.*
- **Contador de calor con ultrasonidos con salida radio (Walk-by o AMR) para instalación en la caja.**

Code	Reading	Size	Qp	Type	Price	Class	Packaging
US15QRF	Radio (WALK-BY / AMR)	G 3/4"	1.50 m³/h	Heat/Cold	796,22 €	UG	1
US20QRF	Radio (WALK-BY / AMR)	G 1"	2.50 m³/h	Heat/Cold	818,35 €	UG	1

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BOC 01



- **Coppia di bocchettoni per contatori.**
- *Pair of fittings for meters.*
- **Paire de raccords pour comptoirs.**
- *Paar Stutzen für Zähler.*
- **Par de manguitos para contadores.**

Code	Size	Price	Class	Packaging
520432	DN 15 - 3/4" F x 1/2" M	10,90 €	UG	1
520434	DN 20 - 1" F x 3/4" M	16,00 €	UG	1
520435	DN 25	45,00 €	UG	1
520436	DN 32	58,00 €	UG	1
520437	DN 40	77,00 €	UG	1

CV 01



- **Cavo per la conversione del contatore a lettura diretta in un contatore con uscita centralizzabile M-BUS.**
- *Cable to convert the direct-reading meter into a meter with an M-BUS output that can be centralised.*
- **Câble de conversion du compteur à lecture directe en compteur avec sortie centralisée M-BUS.**
- *Kabel zur Umwandlung der Zähler mit direkter Lesung in Zähler mit zentralisierbarem M-BUS-Ausgang.*
- **Cable para convertir el contador de lectura directa en contador con salida centralizada M-BUS.**

Code	Reading	Price	Class	Packaging
520416	Direct reading >> M-BUS	23,07 €	UG	1

CV 02



- **Cavo per integrazione di due contatori volumetrici per acqua sanitaria al contatore di calore.**
- *Cable for integrating two volumetric domestic water meters to the heat meter.*
- **Câble pour l'intégration de deux compteurs volumétriques d'eau sanitaire au compteur de chaleur.**
- *Kabel für den Anschluss von zwei Volumenbrauchwasserzählern an den Wärmezähler.*
- **Cable para integrar dos contadores volumétricos de agua sanitaria al contador de calor.**

Code	Reading	Price	Class	Packaging
520417	Impulsive	17,04 €	UG	1

AC 111



- **Pozzetto portasonda con o-ring e tappo.**
- *Probe-holder fitting with o-ring and plug.*
- **Raccord porte-sonde avec joint torique et bouchon.**
- *Anschluss Sondenhalter mit O-ring und Verschluss.*
- **Racor portasonda con junta tórica y tapa.**

Code	Size	Price	Class	Packaging
506227	3/8" x M10	9,18 €	UA	25 / 100

HMRI-K001-001



- **Kit di fissaggio a parete per display HMR-M e US-R.**
- *Wall mounting kit for HMR-M and US-R display.*
- **Kit pour montage mural pour écran des compteurs HMR-M et US-R.**
- *Bausatz für die Wandmontage für Anzeige der Zähler HMR-M und US-R.*
- **Kit de montaje en pared para display de los contadores HMR-M y US-R.**

Code	Price	Class	Packaging
HMRI-K001-001	19,16 €	UG	1

LOCK 01



- **Piombini per contatore**
- *Lead seals for meter.*
- **Plombs pour compteur.**
- *Plombe für Zähler.*
- **Plomos para contador**

Code	Price	Class	Packaging
506445	6,84 €	UG	1

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WFK



- **Contatore volumetrico per acqua fredda sanitaria a lettura diretta per installazione in cassetta.**
- *Volumetric meter for domestic cold water with direct reading for box installation.*
- **Compteur volumétrique d'eau froide sanitaire à lecture directe pour installation dans la cassette.**
- *Volumenzähler für Brauchkaltwasser mit direkter Lesung zur Installation in der Kasten.*
- **Contador volumétrico para agua fría sanitaria con lectura directa para instalación en caja.**

Code	Reading	Size	Q3	Type	Price	Class	Packaging
WFK30-D110	Direct reading	G 3/4"	2.50 m³/h	Cold water (T max 30 °C)	72,83 €	UG	1
WFK30-D130	Direct reading	G 1"	4 m³/h	Cold water (T max 30 °C)	93,00 €	UG	1

WFW



- **Contatore volumetrico per acqua calda sanitaria a lettura diretta per installazione in cassetta.**
- *Volumetric meter for domestic hot water with direct reading for box installation.*
- **Compteur volumétrique d'eau chaude sanitaire à lecture directe pour installation dans la cassette.**
- *Volumenzähler für Brauchwarmwasser mit direkter Lesung zur Installation in der Kasten.*
- **Contador volumétrico para agua caliente sanitaria con lectura directa para instalación en caja.**

Code	Reading	Size	Q3	Type	Price	Class	Packaging
WFW30-D110	Direct reading	G 3/4"	2.50 m³/h	Hot water (T max 90 °C)	72,83 €	UG	1
WFW30-D130	Direct reading	G 1"	4 m³/h	Hot water (T max 90 °C)	93,00 €	UG	1

RWM



- **Modulo per la conversione dei contatori WFK e WFW a lettura diretta in contatori con uscita centralizzabile radio WALK-BY o AMR (S-mode o C-mode).**
- *Module to convert the direct-reading WFK and WFW meters into meters with a WALK-BY or AMR (S-mode or C-mode) radio output that can be centralised.*
- **Module de conversion des compteurs WFK et WFW à lecture directe en compteurs avec sortie centralisée radio WALK-BY ou AMR (S-mode ou C-mode).**
- *Modul zur Umwandlung der Zähler WFK und WFW mit direkter Lesung in Zähler mit zentralisierbarem WALK-BY oder AMR (S-mode oder C-mode) Radio-Ausgang.*
- **Módulo para convertir los contadores WFK y WFW de lectura directa en contadores con salida centralizada radio WALK-BY o AMR (S-mode o C-mode).**

Code	Reading	Price	Class	Packaging
RWM5-000N	Direct reading >> Radio WALK-BY / AMR	164,42 €	UG	1



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CAFS-D REED



- **Contatore volumetrico per acqua fredda sanitaria a lettura diretta con predisposizione per uscita impulsiva tramite contatto Reed, per installazione in cassetta.**
- *Volumetric meter for domestic cold water with direct reading and designed for pulsed output via Reed contact, for box installation.*
- **Compteur volumétrique d'eau froide sanitaire à lecture directe, avec prédisposition pour sortie impulsive au moyen du contact Reed, pour installation dans la cassette.**
- *Volumenzähler für Brauchkaltwasser mit direkter Lesung und Vorrüstung für einen Impulsausgang über Reed-Kontakt, zur Installation in der Kasten.*
- **Contador volumétrico para agua fría sanitaria con lectura directa preparado para salida impulsiva con contacto Reed, para instalación en caja.**

Code	Reading	Size	Q3	Type	Price	Class	Packaging
SFU-P-13SRP	Direct reading	G 3/4"	2.50 m³/h	Cold water (T max 30 °C)	57,09 €	UG	1
SFU-P-20SRP	Direct reading	G 1"	4 m³/h	Cold water (T max 30 °C)	67,34 €	UG	1

CACS-D REED



- **Contatore volumetrico per acqua calda sanitaria a lettura diretta con predisposizione per uscita impulsiva tramite contatto Reed, per installazione in cassetta.**
- *Volumetric meter for domestic hot water with direct reading and designed for pulsed output via Reed contact, for box installation.*
- **Compteur volumétrique d'eau chaude sanitaire à lecture directe, avec prédisposition pour sortie impulsive au moyen du contact Reed, pour installation dans la cassette.**
- *Volumenzähler für Brauchwarmwasser mit direkter Lesung und Vorrüstung für einen Impulsausgang über Reed-Kontakt, zur Installation in der Kasten.*
- **Contador volumétrico para agua caliente sanitaria y lectura directa preparado para salida impulsiva con contacto Reed, para instalación en caja.**

Code	Reading	Size	Q3	Type	Price	Class	Packaging
SCU-P-13SRP	Direct reading	G 3/4"	2.50 m³/h	Hot water (T max 90 °C)	67,61 €	UG	1
SCU-P-20SRP	Direct reading	G 1"	4 m³/h	Hot water (T max 90 °C)	89,35 €	UG	1

CAV-IMP



- **Cavo per la conversione del contatore a lettura diretta tipo "-D REED" in un contatore con uscita impulsiva.**
- *Cable to convert the direct reading meter "-D REED" type into a meter with pulsed output.*
- **Câble pour la conversion du compteur à lecture directe type "-D REED" en compteur avec sortie impulsive.**
- *Kabel zur Umwandlung der Zähler mit direkter Lesung Typ "-D REED" in Zähler mit Impulsausgang.*
- **Cable para convertir el contador de lectura directa tipo "-D REED" en un contador con salida impulsiva.**

Code	Reading	Length	Price	Class	Packaging
CAV-IMP	Direct reading >> Impulsive	2 m	27,36 €	UG	1



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The meters for installation in the technical room can be split. Their volumetric systems can be mechanical-multijet (up to DN 50), Woltmann (for larger sizes up to DN 200) or ultrasound. They include a pair of temperature probes (wet or dry installation) and a calculation unit that uses the information received from the volumetric system and the probes to calculate the energy consumed. Similarly, IVAR is also offering a complete series of domestic water, flowmeters for cold and hot water. These are available for direct reading or for impulse output, in sizes ranging from DN 15 to DN 250.

CACML-I



- **Contatore di calore meccanico multigetto con uscita impulsiva, uscita M-BUS e due ingressi impulsivi per installazione in orizzontale.**
- *Multi-jet mechanical heat meter with pulsed output, M-BUS output and two pulsed inputs for horizontal installation.*
- **Compteur de chaleur mécanique à jet multiple avec sortie impulsive, sortie M-BUS et deux entrées impulsives pour installation horizontale.**
- *Mechanischer Mehrstrahl-Wärmezähler mit Impulsausgang, M-BUS-Ausgang und zwei Impulseingänge zur horizontalen Installation.*
- **Contador de calor mecánico multichorro con salida impulsiva, salida M-BUS y dos entradas impulsivas para instalación horizontal.**

Code	Reading	Size	Qp	Type	Price	Class	Packaging
CACML25IF	Impulsive	DN 25	3.50 m³/h	Heat/Cold	1.303,03 €	UG	1
CACML32IF	Impulsive	DN 32	6 m³/h	Heat/Cold	1.460,49 €	UG	1
CACML40IF	Impulsive	DN 40	10 m³/h	Heat/Cold	1.776,16 €	UG	1

HS-I



- **Contatore di calore a ultrasuoni con uscita impulsiva, uscita M-BUS e due ingressi impulsivi per installazione in orizzontale e verticale.**
- *Ultrasonic heat meter with pulsed output, M-BUS output and two pulsed inputs for horizontal and vertical installation.*
- **Compteur de chaleur à ultrasons avec sortie impulsive, sortie M-BUS et deux entrées impulsives pour installation horizontale et verticale.**
- *Ultraschall-Wärmezähler mit Impulsausgang, M-BUS-Ausgang und zwei Impulseingänge zur horizontalen und vertikalen Installation.*
- **Contador de calor con ultrasonidos con salida impulsiva, salida M-BUS y dos entradas impulsivas para instalación horizontal y vertical.**

Code	Reading	Size	Qp	Type	Accessories	Price	Class	Packaging
HS25FI	Impulsive	DN 25	3.60 m³/h	Heat/Cold		1.604,65 €	UG	1
HS32FI	Impulsive	DN 32	6 m³/h	Heat/Cold		1.677,63 €	UG	1
HS40FI	Impulsive	DN 40	10 m³/h	Heat/Cold		2.053,16 €	UG	1
HS50FI	Impulsive	DN 50	15 m³/h	Heat/Cold	Flanges	2.840,02 €	UG	1
HS65FI	Impulsive	DN 65	25 m³/h	Heat/Cold	Flanges	3.870,86 €	UG	1
HS80FI	Impulsive	DN 80	40 m³/h	Heat/Cold	Flanges	4.138,64 €	UG	1
HS100FI	Impulsive	DN 100	60 m³/h	Heat/Cold	Flanges	5.340,02 €	UG	1

CCWO-I



- **Contatore di calore tipo Woltmann con uscita impulsiva, uscita M-BUS e due ingressi impulsivi per installazione in orizzontale e verticale.**
- *Woltmann heat meter with pulsed output, M-BUS output and two pulsed inputs for horizontal and vertical installation.*
- **Compteur de chaleur de type Woltmann avec sortie impulsive, sortie M-BUS et deux entrées impulsives pour installation horizontale et verticale.**
- *Wärmezähler vom Typ Woltmann mit Impulsausgang, M-BUS-Ausgang und zwei Impulseingänge zur horizontalen und vertikalen Installation.*
- **Contador de calor tipo Woltmann con salida impulsiva, salida M-BUS y dos entradas impulsivas para instalación horizontal y vertical.**

Code	Reading	Size	Qp	Type	Price	Class	Packaging
CCWO50IF	Impulsive	DN 50	15 m³/h	Heat/Cold	2.579,42 €	UG	1
CCWO65IF	Impulsive	DN 65	25 m³/h	Heat/Cold	2.774,50 €	UG	1
CCWO80IF	Impulsive	DN 80	40 m³/h	Heat/Cold	2.954,42 €	UG	1
CCWO100IF	Impulsive	DN 100	60 m³/h	Heat/Cold	3.114,79 €	UG	1
CCWO125IF	Impulsive	DN 125	100 m³/h	Heat/Cold	3.455,13 €	UG	1
CCWO150IF	Impulsive	DN 150	150 m³/h	Heat/Cold	4.770,83 €	UG	1
CCWO200IF	Impulsive	DN 200	250 m³/h	Heat/Cold	5.902,34 €	UG	1

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AFUL



- **Contatore volumetrico per acqua fredda sanitaria con uscita impulsiva per installazione in orizzontale e verticale, completo di bocchettoni.**
- *Volumetric meter for domestic cold water with pulsed output for horizontal and vertical installation, complete with fittings.*
- **Compteur volumétrique d'eau froide sanitaire avec sortie impulsive pour installation horizontale et verticale, avec raccords.**
- *Volumenzähler für Brauchkaltwasser mit Impulsausgang zur horizontalen und vertikalen Installation, komplett mit Stutzen.*
- **Contador volumétrico para agua fría sanitaria con salida impulsiva para instalar en horizontal y vertical, completo de manguitos.**

Code	Reading	Size	Q3	Type	Price	Class	Packaging
AFUL25	Impulsive	DN 25	6.30 m³/h	Cold water	199,82 €	UG	1
AFUL32	Impulsive	DN 32	10 m³/h	Cold water	246,34 €	UG	1
AFUL40	Impulsive	DN 40	16 m³/h	Cold water	485,08 €	UG	1
AFUL50	Impulsive	DN 50	25 m³/h	Cold water	873,60 €	UG	1

ACUL



- **Contatore volumetrico per acqua calda sanitaria con uscita impulsiva per installazione in orizzontale e verticale, completo di bocchettoni.**
- *Volumetric meter for domestic hot water with pulsed output for horizontal and vertical installation, complete with fittings.*
- **Compteur volumétrique d'eau chaude sanitaire avec sortie impulsive pour installation horizontale et verticale, avec raccords.**
- *Volumenzähler für Brauchwarmwasser mit Impulsausgang zur horizontalen und vertikalen Installation, komplett mit Stutzen.*
- **Contador volumétrico para agua caliente sanitaria con salida impulsiva para instalar en horizontal y vertical, completo de manguitos.**

Code	Reading	Size	Q3	Type	Price	Class	Packaging
ACUL25	Impulsive	DN 25	6.30 m³/h	Hot water	232,42 €	UG	1
ACUL32	Impulsive	DN 32	10 m³/h	Hot water	279,73 €	UG	1
ACUL40	Impulsive	DN 40	16 m³/h	Hot water	523,74 €	UG	1
ACUL50	Impulsive	DN 50	25 m³/h	Hot water	992,78 €	UG	1

CAFSWO-I



- **Contatore volumetrico tipo Woltmann per acqua fredda sanitaria con uscita impulsiva per installazione in orizzontale e verticale**
- *Woltmann volumetric meter for domestic cold water with pulsed output for horizontal and vertical installation*
- **Compteur volumétrique de type Woltmann d'eau froide sanitaire avec sortie impulsive pour installation horizontale et verticale**
- *Volumenzähler vom Typ Woltmann für Brauchkaltwasser mit Impulsausgang zur horizontalen und vertikalen Installation*
- **Contador volumétrico tipo Woltmann para agua fría sanitaria con salida impulsiva para instalar en horizontal y vertical**

Code	Reading	Size	Q3	Type	Price	Class	Packaging
CAFSWO65I	Impulsive	DN 65	25 m³/h	Cold water	910,27 €	UG	1
CAFSWO80I	Impulsive	DN 80	40 m³/h	Cold water	1.064,25 €	UG	1
CAFSWO100I	Impulsive	DN 100	60 m³/h	Cold water	1.111,80 €	UG	1
CAFSWO125I	Impulsive	DN 125	100 m³/h	Cold water	1.322,38 €	UG	1
CAFSWO150I	Impulsive	DN 150	150 m³/h	Cold water	1.548,81 €	UG	1
CAFSWO200I	Impulsive	DN 200	250 m³/h	Cold water	2.603,98 €	UG	1

CACSWO-I



Factory tested

- **Contatore volumetrico tipo Woltmann per acqua calda sanitaria con uscita impulsiva per installazione in orizzontale e verticale**
- *Woltmann volumetric meter for domestic hot water with pulsed output for horizontal and vertical installation*
- **Compteur volumétrique de type Woltmann d'eau chaude sanitaire avec sortie impulsive pour installation horizontale et verticale**
- *Volumenzähler vom Typ Woltmann für Brauchwarmwasser mit Impulsausgang zur horizontalen und vertikalen Installation*
- **Contador volumétrico tipo Woltmann para agua caliente sanitaria con salida impulsiva para instalar en horizontal y vertical**

Code	Reading	Size	Q3	Type	Price	Class	Packaging
CACSWO65I	Impulsive	DN 65	25 m³/h	Hot water	1.050,66 €	UG	1
CACSWO80I	Impulsive	DN 80	40 m³/h	Hot water	1.107,92 €	UG	1
CACSWO100I	Impulsive	DN 100	60 m³/h	Hot water	1.248,22 €	UG	1
CACSWO125I	Impulsive	DN 125	100 m³/h	Hot water	1.421,53 €	UG	1
CACSWO150I	Impulsive	DN 150	150 m³/h	Hot water	1.801,16 €	UG	1
CACSWO200I	Impulsive	DN 200	250 m³/h	Hot water	2.203,49 €	UG	1



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M-BUS pulse adapter



- **Adattatore di impulsi per convertire l'uscita impulsiva in segnale M-BUS**
- *Pulse adapter to convert the pulsed output into an M-BUS signal*
- **Adaptateur d'impulsions pour convertir la sortie impulsive en signal M-BUS**
- *Impulsadapter zur Umwandlung eines Impulsausgangs in M-BUS-Signal.*
- **Adaptador de impulsos para convertir la salida impulsiva en señal M-BUS**

Code	Size	Price	Class	Packaging
AEW310.2	Impulsive (2 Inputs) >> M-BUS	208,50 €	UG	1
ADA4	Impulsive (4 Inputs) >> M-BUS	328,29 €	UG	1

AMR pulse adapter



- **Adattatore di impulsi per convertire l'uscita impulsiva in segnale radio AMR**
- *Pulse adapter to convert the pulsed output into an AMR radio signal*
- **Adaptateur d'impulsions pour convertir la sortie impulsive en signal radio AMR**
- *Impulsadapter zur Umwandlung eines Impulsausgangs in AMR Radiosignal.*
- **Adaptador de impulsos para convertir la salida impulsiva en señal de radio AMR**

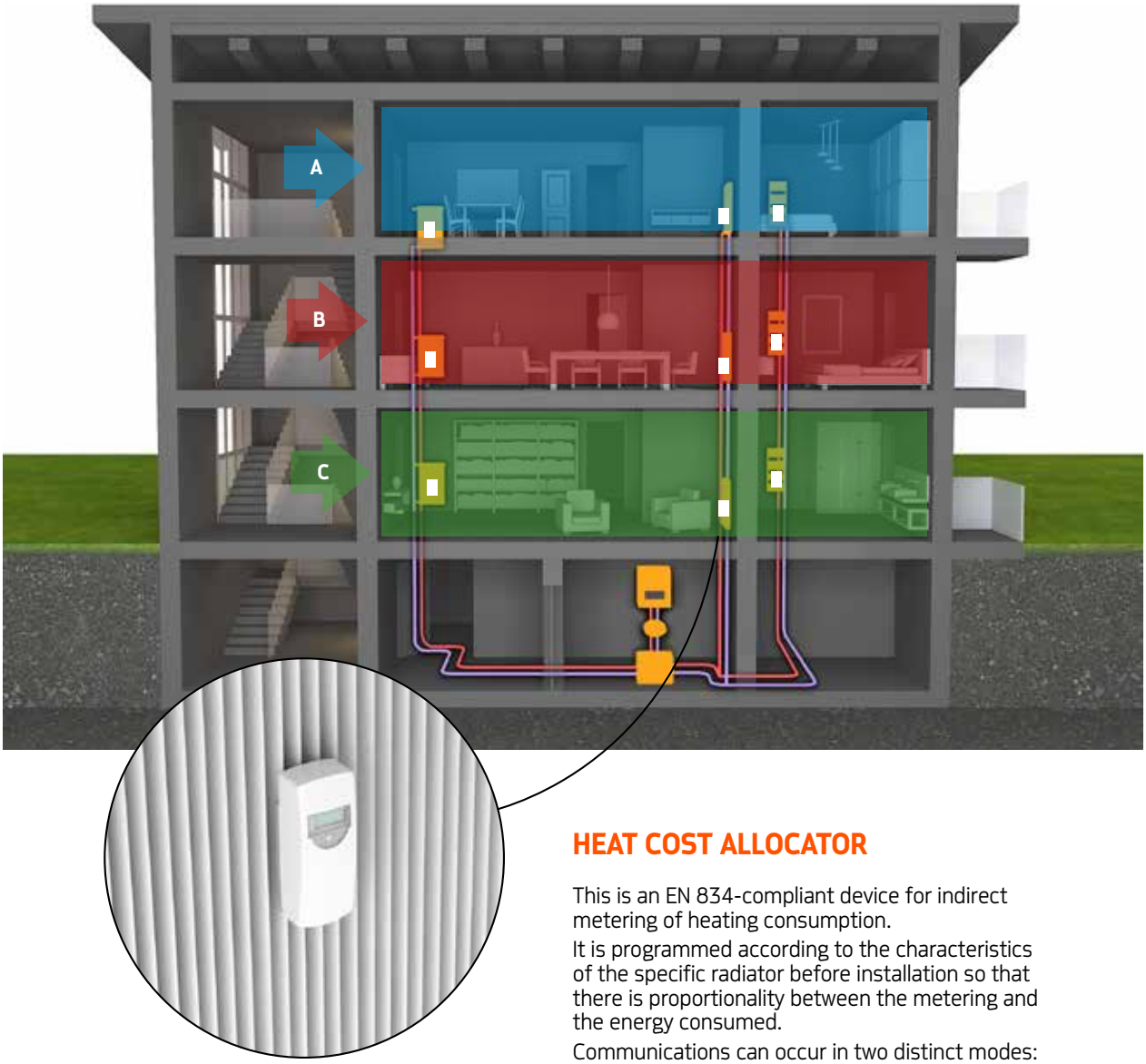
Code	Size	Price	Class	Packaging
520442	Impulsive (1 Input) >> Radio AMR	360,00 €	UG	

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CALOR•MET

Thermoregulation and metering guarantee independent management and transparency in the measurement of consumption for central heating systems in apartment buildings. In vertical distribution systems, heat distributors are used for metering purposes, which, when programmed based on the characteristics of the heating unit, count units in proportion to consumption. IVAR offers a complete range of heat distributors in compliance with EN 834 and accessories for programming, installation, data centralisation and reading. Thermoregulation is entrusted to thermostatic valves with low thermal inertia.

Thermoregulation makes individual management (unit A - B - C) of each person's comfort conditions possible. These conditions are chosen by the user and maintained automatically by the control system. **Metering** makes it possible to monitor consumption levels and to pay the main share of the heating expenditure on the basis of those levels.



HEAT COST ALLOCATOR

This is an EN 834-compliant device for indirect metering of heating consumption.

It is programmed according to the characteristics of the specific radiator before installation so that there is proportionality between the metering and the energy consumed.

Communications can occur in two distinct modes: S-mode and C-mode (parallel transmission of AMR and Walk-by telegrams).

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Q5.5 C-mode



- **Ripartitore di calore a due sensori - modalità Walk-by e AMR in C-mode.**
- *Walk-by and AMR heat cost allocator in C-mode with 2 sensors.*
- **Répartiteur de chaleur Walk-by et AMR en C-mode avec 2 capteurs.**
- *Walk-by und AMR Heizkostenverteiler in C-Mode mit 2 Fühlern.*
- **Repartidores de costes de calefacción Walk-by y AME en C-mode con 2 sensores.**

Code	Size	Price	Class	Packaging
551004	2 SENSORS - WALK-BY/AMR - C mode	88,00 €	UC	1

KSPR



- **Kit di supporto a parete per ripartitore con sensore remoto.**
- *Wall mounting kit for heat cost allocators with remote sensor.*
- **Kit pour montage mural pour les répartiteurs équipés de capteur à distance.**
- *Bausatz für die Wandmontage für Heizkostenverteiler mit Fernfühler.*
- **Kit de montaje en pared para repartidores con sensor de distancia.**

Code	Price	Class	Packaging
551024	8,12 €	UC	1

AMS 01



- **Dado con codolo per montaggio a saldatura.**
- *Nut with a shank for welded assembly.*
- **Embout à écrou pour montage à soudure.**
- *Mutter mit Schaft für Schweißmontage.*
- **Tuerca con espiga para el montaje con soldadura.**

Code	Size	Price	Class	Packaging
551043	M3 x 3 mm	1,163 €	UC	1
551044	M3 x 6 mm	1,163 €	UC	1
551045	M3 x 9,5 mm	1,376 €	UC	1

AMS 02



- **Rondella per montaggio a saldatura.**
- *Washer for welded assembly.*
- **Rondelle pour montage à soudure.**
- *Unterlegscheibe für Schweißmontage.*
- **Arandela para el montaje con soldadura.**

Code	Size	Price	Class	Packaging
551083	M4	0,107 €	UC	1

AMU 05



- **Sigillo antimanomissione piastra di fissaggio.**
- *Fixing plate tamper evident seal.*
- **Scellé anti-altération de la plaque de fixation.**
- *Versiegelung Beschädigungsschutz Befestigungsplatte*
- **Precinto contra las manipulaciones indebidas de la placa de fijación.**

Code	Price	Class	Packaging
551081	0,688 €	UC	1

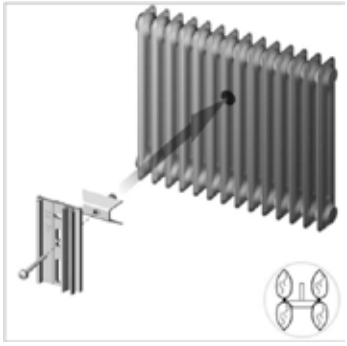
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Q5 FIXING KITS

Q5 FIX 008



Code	Price	Class	Packaging
551008	9,06 €	UC	1



Q5 FIX 009



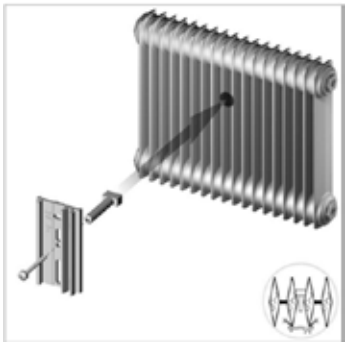
Code	Price	Class	Packaging
551009	37,71 €	UC	1



Q5 FIX 010



Code	Price	Class	Packaging
551010	21,88 €	UC	1



Q5 FIX 011



Code	Price	Class	Packaging
551011	14,90 €	UC	1



Q5 FIX 012



Code	Price	Class	Packaging
551012	11,20 €	UC	1



Q5 FIX 013



Code	Price	Class	Packaging
551013	30,26 €	UC	1

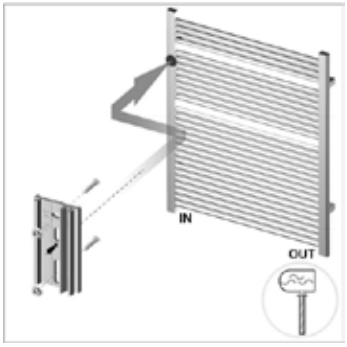


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Q5 FIX 014



Code	Price	Class	Packaging
551014	7,44 €	UC	1



Q5 FIX 015



Code	Price	Class	Packaging
551015	7,44 €	UC	1



Q5 FIX 016



Code	Price	Class	Packaging
551016	60,27 €	UC	1



Q5 FIX 017



Code	Price	Class	Packaging
551017	8,84 €	UC	1



Q5 FIX 018



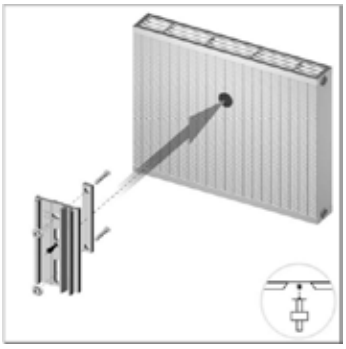
Code	Price	Class	Packaging
551018	7,21 €	UC	1



Q5 FIX 019



Code	Price	Class	Packaging
551019	37,01 €	UC	1



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Q5 FIX 020



Code	Price	Class	Packaging
551020	7,21 €	UC	1



Q5 FIX 021



Code	Price	Class	Packaging
551021	12,11 €	UC	1



Q5 FIX 022



Code	Price	Class	Packaging
551022	39,09 €	UC	1



Q5 FIX 023



Code	Price	Class	Packaging
551023	12,59 €	UC	1



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AMU 01



- **Sensore remoto (posizionamento su radiatore).**
- *Remote sensor (positioning on radiator).*
- **Capteur à distance (positionnement sur radiateur).**
- *Fernfühler (Positionierung am Radiator)*
- **Sensor remoto (colocación en radiadores).**

Code	Length	Price	Class	Packaging
551025	1.50 m	48,91 €	UC	1
551026	2.50 m	58,21 €	UC	1
551027	5 m	83,83 €	UC	1

AMU 10



- **Coperchio di sicurezza per corpo sensore.**
- *Safety cover for sensor body.*
- **Couvercle de sécurité pour corps capteur.**
- *Sicherheitsabdeckung für Sensorkörper*
- **Tapa de seguridad para el cuerpo del sensor.**

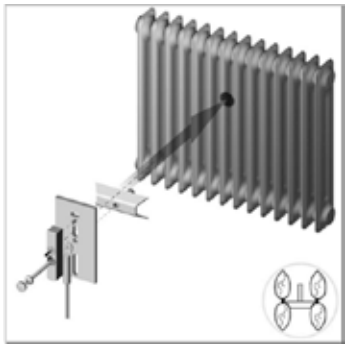
Code	Price	Class	Packaging
551082	2,326 €	UC	1

AMU 01 FIXING KITS

AMU 01 FIX 028



Code	Price	Class	Packaging
551028	56,38 €	UC	1



AMU 01 FIX 029



Code	Price	Class	Packaging
551029	85,22 €	UC	1



AMU 01 FIX 030



Code	Price	Class	Packaging
551030	56,38 €	UC	1



AMU 01 FIX 031



Code	Price	Class	Packaging
551031	62,42 €	UC	1



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AMU 01 FIX 032



Code	Price	Class	Packaging
551032	4,45 €	UC	1



AMU 01 FIX 033



Code	Price	Class	Packaging
551033	4,213 €	UC	1



AMU 01 FIX 034



Code	Price	Class	Packaging
551034	19,80 €	UC	1



AMU 01 FIX 035



Code	Price	Class	Packaging
551035	59,82 €	UC	1



AMU 01 FIX 036



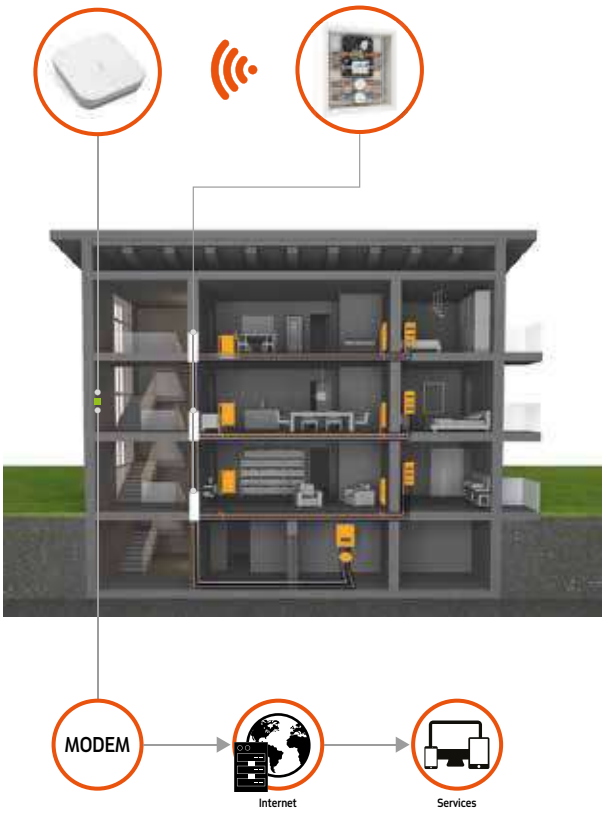
Code	Price	Class	Packaging
551036	59,35 €	UC	1



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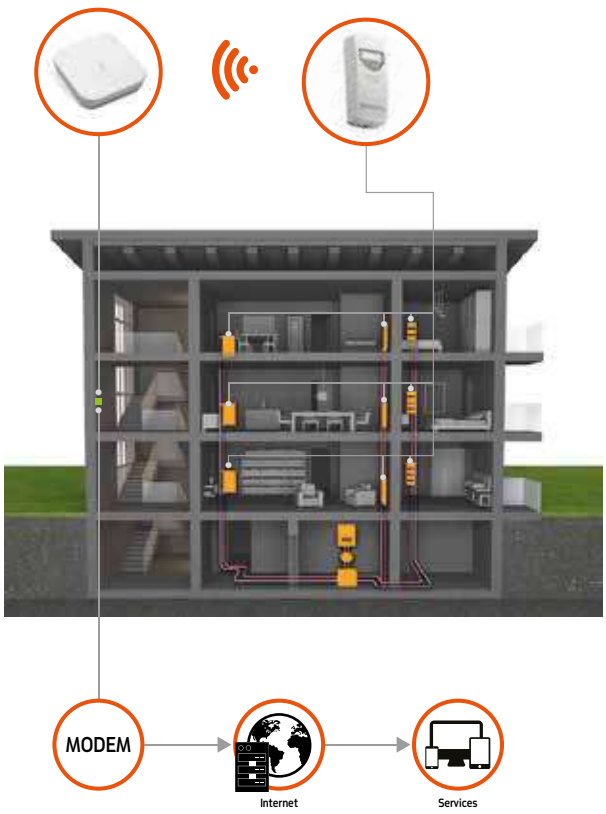
DATA CENTRALISATION

In small plants, personnel can read consumption data directly from the individual meters/distributors. On the other hand, in large buildings, where there are numerous metering devices, it is advisable to centralise the data in a single collection point. This strategy not only makes reading operations much easier it also eliminates the age-old problem of access to private homes and offers security and flexibility for billing management.
The concentration of data at one point requires the use of measuring instruments and centralisation devices suitable for the chosen solution, which can be with M-BUS or radio AMR data transmission.
IVAR is also able to provide consultation and data processing services through its IVAR CLOUD dedicated portal.



Direct metering

Systems, where the heat consumed can be measured by the housing unit at a single point, are metered at the connections between the boiler and the distribution manifold.



Indirect metering

Vertical distribution systems with more than one input/output to a user component are metered at the level of the individual radiator

IVAR CLOUD



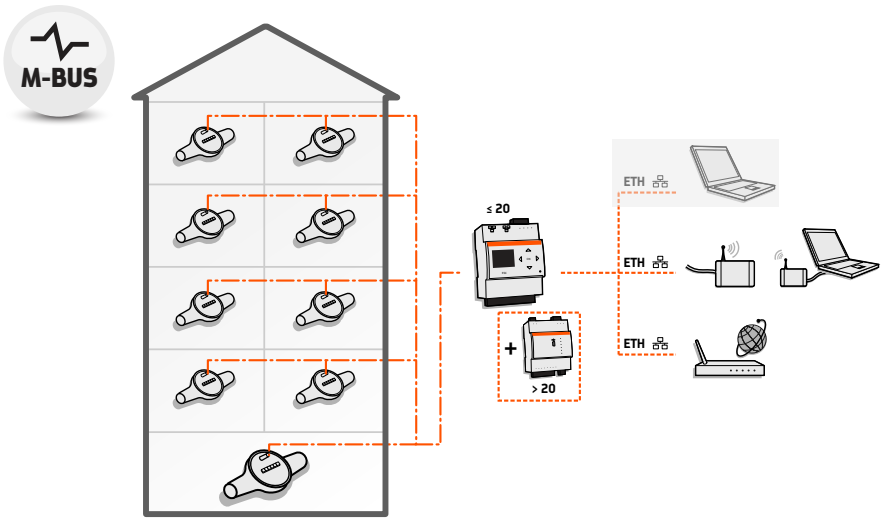




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M-BUS SYSTEMS

The M-BUS communications protocol is one of the most frequently used in of direct metering system installations with heat meters and domestic water flowmeters. This is an open system, in compliance with the EN 1434-3 European standard, which provides for the wiring between the various devices (in branch configuration, star configuration or in line) until a collection point is reached where the data concentrator is located. This device allows the individual instruments installed along the backbone to be read, thus facilitating consumption data collection operations.



The IVAR M-BUS system is essentially characterised by its modularity and by how easy and intuitive it is to use. The system is based on three modules that can be combined to create more and more complex architectures.
The modules are:

- Unit GWYMH, which is a central unit, includes a display and data logger function for data acquisition and archiving. Allows up to 20 devices to be read via M-BUS protocol and is expandable to read up to 500 device loads on two separate M-BUS lines (each of max 250 devices) by adding an appropriate Level Converter (B12).
  The same GWYMH unit also functions as a gateway for Multi-hop radio AMR systems and via dedicated backbone composed of RPTMH antennas is able to read up to 2500 W-MBUS devices, allowing storage of daily readings for up to 10 years.
- The B12 Level Converter is a device that allows the actual reading of M-BUS devices. Each Level Converter can read up to 60 devices. However, it is expandable by connecting other Level Converters, which can also act as repeaters in the case of particularly large backbones. This device has no display, but allows local reading via PC, USB interface and free reading software. Data archiving is not possible.

GWYMH



- **Gateway multi-hop wireless + M-BUS cablato (20 carichi).**
- *Gateway multi-hop wireless + wired M-BUS (20 devices).*
- **Passerelle à plusieurs bonds sans fil + M-BUS avec fil (20 dispositifs).**
- *Drahtloses Multi-Hop + verdrahtet M-BUS Gateway (20 Geräten).*
- **Gateway multi-hop inalámbrico + M-BUS alámbrico (20 dispositivos).**

Code	Reading	Price	Class	Packaging
590153	Max 2500 devices wireless + 500 wired	2.297,61 €	UG	1

B12



- **Modulo Level Converter per la lettura di 60 carichi.**
- *Level Converter for reading 60 loads.*
- **Module convertisseur de niveaux pour la lecture de 60 charges.**
- *Level-Converter-Modul für das Auslesen von 60 Geräten.*
- **Módulo Level Converter para la lectura de 60 cargas.**

Code	Reading	Size	Price	Class	Packaging
590130	Max 60 devices	24 VAC – 12 W	1.148,24 €	UG	1

AB10



- **Alimentatore 24 V DC.**
- *24 V DC power supply.*
- **Alimentateur 24 V DC.**
- *Netzteil 24 V DC.*
- **Alimentador de 24 V CC.**

Code	Size	Price	Class	Packaging
590133	24 VDC – 15 W	157,05 €	UG	1
590134	24 VDC – 60 W	193,35 €	UG	1

MOD 02



- **Router per la lettura remota delle unità centrali.**
- *Router for remote reading of the central units.*
- **Router pour la lecture à distance des unités centrales.**
- *Router für das Fernauslesen der Zentraleinheiten.*
- **Router para la lectura a distancia de las unidades centrales.**

Code	Price	Class	Packaging
590135	890,06 €	UG	1

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AMR RADIO SYSTEM

The AMR radio system provides for wireless communication between the installed measurement devices and the data collection devices. IVAR offers two different opportunities for backbone construction: a single-hop mode and a multi-hop mode.

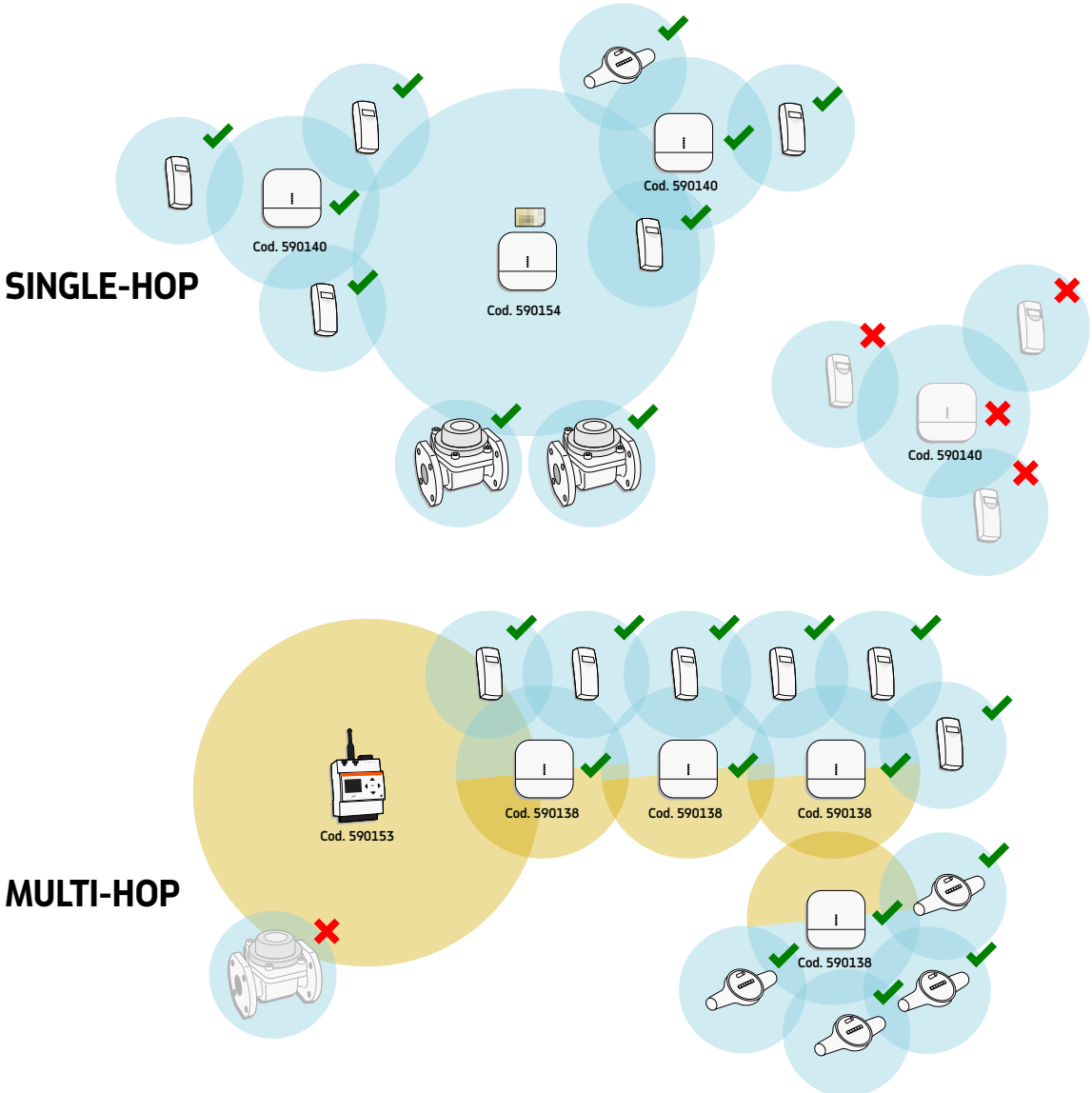
The single-hop mode is essentially based on two devices that work using standard procedures allowed by the W-MBUS: it is a gateway (code 590154) and a repeater (code 590140). Both items are able to receive data from devices (meters, distributors, pulse adapters, etc.) installed up to a maximum limit of 200 wireless devices on the network created. The only limit is represented by the size of the network: the connection between gateway and repeater can only take place if it is direct between the two devices. Actually, it is not possible to create a backbone in which several repeaters connect to each other and then to the gateway. This feature makes the single-hop system suitable for small apartment buildings.

The gateway is equipped with a data SIM which allows remote reading of the metering data. The reading is made with a weekly transmission frequency.

The multi-hop mode is also based on two devices, namely a repeater (code 590138) and a gateway (code 590153). Nevertheless, this technology is freed from the wireless M-BUS in the construction of the backbone and, thanks to a proprietary and enhanced transmission mode, each repeater (and only the repeaters) is able to receive consumption information from the installed devices and exchange it via a mesh network with the other nodes (repeaters) until it reaches the gateway.

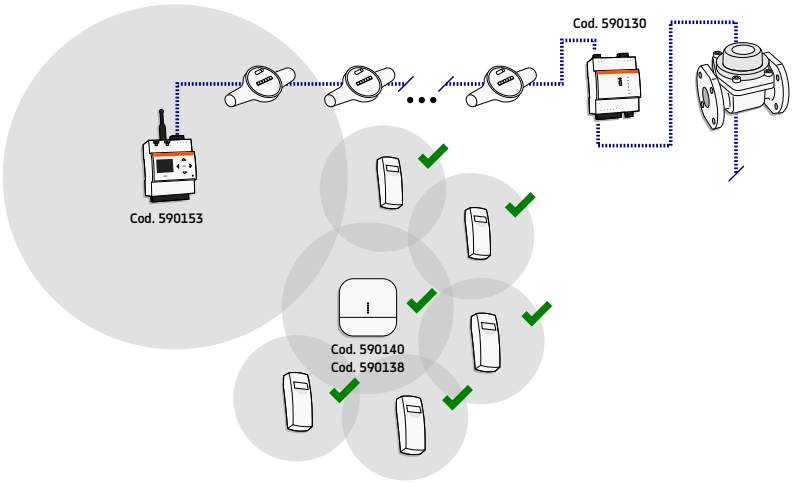
Through the new gateway, the maximum limit of radio devices which can be read is 2500, using the corresponding repeaters (code 590138) up to a maximum of 23, each of which offers a maximum of 500 devices.

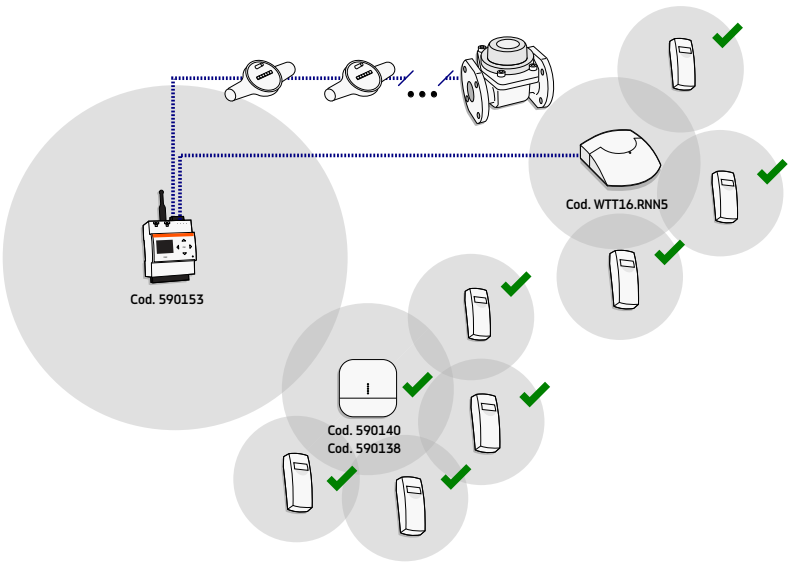
Furthermore, the multi-hop gateway is of hybrid type: it can read up to 2500 wireless devices, but also has an M-BUS port that allows the direct wired connection of up to 20 M-BUS meters, which is expandable up to 500 using two backbones and special level converters (code 590130).

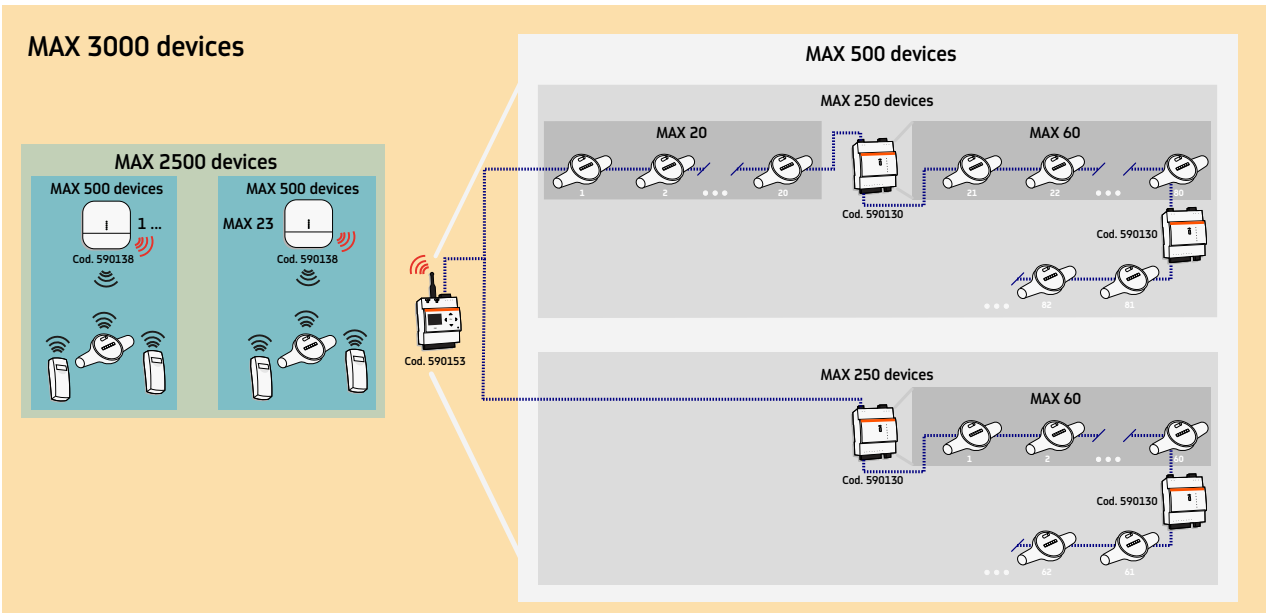


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Both systems are compatible with the standard W-MBUS transmission modes and are therefore able to read devices made by other manufacturers (provided they communicate in W-MBUS) whether in T, S or C modes.
Each gateway can be read locally or remotely by internet connection (if necessary, a router is provided).







GWY1H



- **Gateway single-hop wireless M-BUS (router e SIM incorporati).**
- *Gateway single-hop wireless M-BUS (embedded router and SIM).*
- **Passerelle à un seul bond sans fil M-BUS (routeur et SIM intégrés).**
- *Drahtloses Single-Hop Gateway M-BUS (eingebauter Router und SIM-Karte).*
- **Gateway single-hop inalámbrico M-BUS (router y SIM integrados).**

Code	Reading	Price	Class	Packaging
590154	C/S mode compatible (max 200 devices)	1.356,00 €	UG	1

GWYMH



- **Gateway multi-hop wireless + M-BUS cablato (20 carichi).**
- *Gateway multi-hop wireless + wired M-BUS (20 devices).*
- **Passerelle à plusieurs bonds sans fil + M-BUS avec fil (20 dispositifs).**
- *Drahtloses Multi-Hop + verdrahtet M-BUS Gateway (20 Geräten).*
- **Gateway multi-hop inalámbrico + M-BUS alámbrico (20 dispositivos).**

Code	Reading	Price	Class	Packaging
590153	Max 2500 devices wireless + 500 wired	2.297,61 €	UG	1

RPT1H



- **Repeater unidirezionale single-hop wireless M-BUS.**
- *Repeater unidirectional single-hop wireless M-BUS.*
- **Répéteur unidirectionnel à un seul bond sans fil M-BUS.**
- *Unidirektionaler drahtloser Single-Hop Repeater M-BUS.*
- **Repetidor unidireccional single-hop inalámbrico M-BUS.**

Code	Reading	Price	Class	Packaging
590140	C/S mode compatible	730,32 €	UG	1

RPTMH



- **Repeater multi-hop wireless M-BUS.**
- *Repeater multi-hop wireless M-BUS.*
- **Répéteur à plusieurs bonds sans fil M-BUS.**
- *Drahtloser Multi-Hop Repeater M-BUS.*
- **Repetidor multi-hop inalámbrico M-BUS.**

Code	Reading	Price	Class	Packaging
590138	C/S mode compatible	934,78 €	UG	1

AB10



- **Alimentatore 24 V DC.**
- *24 V DC power supply.*
- **Alimentateur 24 V DC.**
- *Netzteil 24 V DC.*
- **Alimentador de 24 V CC.**

Code	Size	Price	Class	Packaging
590133	24 VDC – 15 W	157,05 €	UG	1
590134	24 VDC – 60 W	193,35 €	UG	1

MOD 02

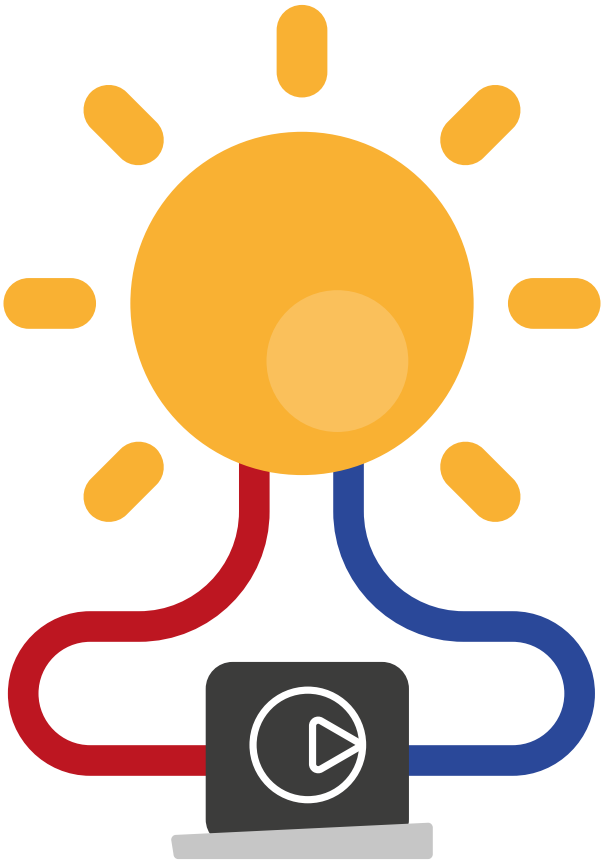


- **Router per la lettura remota delle unità centrali.**
- *Router for remote reading of the central units.*
- **Router pour la lecture à distance des unités centrales.**
- *Router für das Fernauslesen der Zentraleinheiten.*
- **Router para la lectura a distancia de las unidades centrales.**

Code	Price	Class	Packaging
590135	890,06 €	UG	1

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SOLAR SYSTEMS



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Gruppi di circolazione
Circulation groups
Groupes de circulation
Zirkulationseinheiten
Grupos de circulación 516



Regolatori elettronici
Electronic control units
Régulateurs électroniques
Elektronische Regler
Reguladores electrónicos 518



Accessori per gruppi di circolazione e sistemi solari
Accessories for circulation groups and solar systems
Accessoires pour groupes de circulation et systèmes solaires
Zubehör für Zirkulationseinheiten und Solarsysteme
Accesorios para grupos de circulación y sistemas solares 519



Tubazioni e raccorderia
Pipes and fittings
Tuyaux et raccords
Rohre und Verbinder
Tuberías y accesorios 520



Valvola deviatrice termostatica
Thermostatic diverter valve
Vanne de dérivation thermostatique
Thermostatisches Umschaltventil
Válvula desviadora termostática 522



CIRCULATION GROUPS

Pumping stations for forced circulation systems come in three sizes with delivery and return lines complete with accessories. The smaller size is also available with only the pumping line. The IVAR offer is completed with a unit for mechanical stratification with external heat exchanger. See the section “Electronic control units” to find the most suitable regulation control unit, as shown in the following table.

Pump type	ErP			ErP		
Module	GP6010E	GP7000E	GP7000WE	GP6010	GP7000	GP7000W
Suitable control units	10303 16305			13300		

GP6010E



- **Gruppo di circolazione monovia con flussimetro e circolatore ad alta efficienza (PWM).**
- *Single way circulation group with flow meter and high efficiency pump (PWM).*
- **Groupe de circulation à une voie avec débit-métre et pompe à haut rendement (PWM).**
- *Ein-weg-Zirkulationseinheit mit Durchflussmesser und Pumpe mit hoher Effizienz (PWM).*
- **Grupo de circulación de una vía con medidor de caudal y bomba alta eficiencia (PWM).**

ErP

Code	Ways	Size	Range	Pump type	Price	Class	Packaging
GP6010E	1	3/4” F	2-12 l/min	Variable speed (PWM)	781,35 €	Z6	1

GP7000E



- **Gruppo di circolazione a due vie con flussimetro e circolatore ad alta efficienza (PWM).**
- *Two way circulation group with flow meter and high efficiency pump (PWM).*
- **Groupe de circulation a deux voies avec débit-métre et pompe à haut rendement (PWM).**
- *2-wege-Zirkulationseinheit mit Durchflussmesser und Pumpe mit hoher Effizienz (PWM).*
- **Grupo de circulación de dos vías con medidor de caudal y bomba alta eficiencia (PWM).**

ErP

Code	Ways	Size	Range	Pump type	Price	Class	Packaging
GP7000E	2	3/4” F	2-12 l/min	Variable speed (PWM)	916,97 €	Z6	1

GP7000WE



- **Gruppo di circolazione a due vie con flussimetro e circolatore ad alta efficienza (PWM).**
- *Two way circulation group with flow meter and high efficiency pump (PWM).*
- **Groupe de circulation a deux voies avec débit-métre et pompe à haut rendement (PWM).**
- *2-wege-Zirkulationseinheit mit Durchflussmesserund Pumpe mit hoher Effizienz (PWM).*
- **Grupo de circulación de dos vías con medidor de caudal y bomba alta eficiencia (PWM).**

ErP

Code	Ways	Size	Range	Pump type	Price	Class	Packaging
GP7000WE	2	1” F	8-28 l/min	Variable speed (PWM)	993,52 €	Z6	1

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GP6010



- **Gruppo di circolazione monovia con flussimetro e pompa standard a 3 velocità.**
- *Single way circulation group with flow meter and standard 3-speed pump.*
- **Groupe de circulation à une voie avec débit-métre et pompe standard à 3 vitesses.**
- *Ein-weg-Zirkulationseinheit mit Durchflussmesser und Standardpumpe mit 3 Geschwindigkeiten.*
- **Grupo de circulación de una vía con medidor de caudal y bomba estándar de 3 velocidades.**

Code	Ways	Size	Range	Pump type	Price	Class	Packaging
GP6010	1	3/4" F	2-12 l/min	3-speed	654,13 €	Z6	1

GP7000



- **Gruppo di circolazione a due vie con flussimetro e pompa standard a 3 velocità.**
- *Two way circulation group with flow meter and standard 3-speed pump.*
- **Groupe de circulation a deux voies avec débit-métre et pompe standard à 3 vitesses.**
- *2-wege-Zirkulationseinheit mit Durchflussmesser und Standardpumpe mit 3 Geschwindigkeiten.*
- **Grupo de circulación de dos vías con medidor de caudal y bomba estándar de 3 velocidades.**

Code	Ways	Size	Range	Pump type	Price	Class	Packaging
GP7000	2	3/4" F	2-12 l/min	3-speed	792,74 €	Z6	1

GP7000W



- **Gruppo di circolazione a due vie con flussimetro e pompa standard a 3 velocità.**
- *Two way circulation group with flow meter and standard 3-speed pump.*
- **Groupe de circulation a deux voies avec débit-métre et pompe standard à 3 vitesses.**
- *2-wege-Zirkulationseinheit mit Durchflussmesser und Standardpumpe mit 3 Geschwindigkeiten.*
- **Grupo de circulación de dos vías con medidor de caudal y bomba estándar de 3 velocidades.**

Code	Ways	Size	Range	Pump type	Price	Class	Packaging
GP7000W	2	1" F	8-28 l/min	3-speed	910,58 €	Z6	1

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ELECTRONIC CONTROL UNITS

IS1-E



- **Regolatore per avviamento e spegnimento pompa solare ad alta efficienza su base differenziale.**
- *Controller for on/off regulation of high efficiency solar pump based on differential temperature.*
- **Unité de contrôle pour démarrer et arrêter la pompe solaire à haut rendement selon base différentielle.**
- *Steuereinheit zum Starten und Stoppen der Pumpe mit hoher Effizienz nach Differenzbasis.*
- **Regulador para encendido y apagado de bomba solar con alta eficiencia sobre base diferencial.**

Code	Size	Module	Price	Class	Packaging
10303	230 V AC	GP6010E - GP7000E - GP7000WE	334,41 €	Z6	1

IS3-E



- **Regolatore per accensione, spegnimento e modulazione pompa solare ad alta efficienza. Funzione termostato per integrazione da altra fonte.**
- *Controller for high efficiency solar pump operation and modulation. Thermostat mode for integration from other sources.*
- **Régulateur pour la mise en marche, l'arrêt et la modulation de la pompe solaire à haut rendement. Fonction thermostat pour l'intégration d'autres sources.**
- *Regler zum Einschalten, Ausschalten und Modulation der Solarpumpe mit hoher Effizienz. Thermostatfunktion für die Integration von anderen Quellen.*
- **Regulador para encendido, apagado y modulación de bomba solar con alta eficiencia. Función de termostato para la integración de otras fuentes.**

Code	Size	Module	Price	Class	Packaging
16305	230 V AC	GP6010E - GP7000E - GP7000WE	445,07 €	Z6	1

IS4-E



- **Regolatore per accensione, spegnimento e modulazione pompa solare ad alta efficienza. Funzione termostato per integrazione da altra fonte. Gestione della stratificazione meccanica (GP9000HXE).**
- *Controller for high efficiency solar pump operation and modulation. Thermostat mode for integration from other sources. Management of mechanical stratification (GP9000HXE).*
- **Régulateur pour la mise en marche, l'arrêt et la modulation de la pompe solaire à haut rendement. Fonction thermostat pour l'intégration d'autres sources. Gestion de la stratification mécanique (GP9000HXE).**
- *Regler zum Einschalten, Ausschalten und Modulation der Solarpumpe mit hoher Effizienz. Thermostatfunktion für die Integration von anderen Quellen. Verwaltung von mechanischen Schichtung (GP9000HXE).*
- **Regulador para encendido, apagado y modulación de bomba solar con alta eficiencia. Función de termostato para la integración de otras fuentes. Gestión de la estratificación mecánica (GP9000HXE).**

Code	Size	Price	Class	Packaging
17403	230 V AC	610,57 €	Z6	1

IS3



- **Regolatore per accensione, spegnimento e modulazione pompa solare. Possibilità di gestire on-off una seconda pompa.**
- *Controller for solar pump operation and modulation. Possibility to on/of control of an additional pump.*
- **Régulateur pour la mise en marche, l'arrêt et la modulation de la pompe solaire. Possibilité de gérer on/off une deuxième pompe.**
- *Regler zum Einschalten, Ausschalten und Modulation der Solarpumpe. Möglichkeit zum Ein- und Ausschalten einer zweiten Pumpe.*
- **Regulador para encendido, apagado y modulación de bomba solar. Posibilidad de gestionar on-off de una segunda bomba.**

Code	Size	Module	Price	Class	Packaging
13300	230 V AC	GP6010 - GP7000 - GP7000W	417,73 €	Z6	

IS4



- **Regolatore per accensione, spegnimento e modulazione pompa solare. Possibilità di gestire on-off una seconda pompa e una valvola deviatrice per stratificazione meccanica.**
- *Controller for solar pump operation and modulation. Possibility to on/of control of an additional pump and a diverter valve to mechanical layering.*
- **Régulateur pour la mise en marche, l'arrêt et la modulation de la pompe solaire. Possibilité de gerance on-off d'une deuxième pompe et d'une vanne de dérivation pour la superposition mécanique.**
- *Regler zum Einschalten, Ausschalten und Modulation der Solarpumpe. Fähigkeit, eine zweite Pumpe und ein Umschaltventil für mechanische Schichtung zu verwalten.*
- **Regulador para encendido, apagado y modulación de bomba solar. Posibilidad de gestionar on-off de una segunda bomba y una válvula desviadora para la estratificación mecánica.**

Code	Size	Price	Class	Packaging
14300S	230 V AC	555,21 €	Z6	1

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ACCESSORIES FOR SOLAR SYSTEMS

FLB70



- **Flussimetro con by-pass per elevate portate.**
- *By-pass balancing flow meter for large flow rates.*
- **Débitmètre avec by-pass pour des débits élevés.**
- *Flussmesser mit Bypass für hohe Durchfluss-mengen.*
- **Caudalímetro con bypass para caudales elevados.**

Code	Size	Range	Max operating temp.	Price	Class	Packaging
FLB70	1"1/4 F (DN 32)	20-70 l/min	100 °C	451,44 €	Z6	
FLB70SOL	1"1/4 F (DN 32)	20-70 l/min	130 °C	529,88 €	Z6	

FLI-SOL



- **Flussimetro in linea per il bilanciamento di banchi solari.**
- *On-line flow meter for solar bank balancing.*
- **Débitmètre en ligne pour l'équilibrage des bancs solaires.**
- *Flussmesser in Linie für Auswuchtung der Solarreihen.*
- **Caudalímetro en línea para el equilibrado de bancadas solares.**

Code	Size	Range	Max operating temp.	Price	Class	Packaging
FLI06SOL	1" M x 1" F (DN 20)	1,5-6 l/min	130 °C	209,62 €	Z6	
FLI16SOL	1" M x 1" F (DN 20)	4-16 l/min	130 °C	209,62 €	Z6	

IVANTIGELO



- **Glicole propilenico antigelo per circuito solare.**
- *Antifreeze propylene glycol for solar circuit.*
- **Propylèneglycol antigel pour circuit solaire.**
- *Propylenglykol Frostschutz für Solarkreislauf.*
- **Propilenglicol anticongelante para circuito solar.**

Code	Operating temp.	Price	Class	Packaging
IVANTIGELO	32-220 °C	16,80 €/Kg	Z6	10 Kg

VSC 00 SOL



- **Valvola di sicurezza per applicazioni solari.**
- *Safety valve for solar applications.*
- **Clapet de sécurité pour des applications solaires.**
- *Sicherheitsventil für Solaranwendungen.*
- **Valvúla de seguridad para aplicaciones solares.**

Code	Size	Max inlet pressure	Price	Class	Packaging
509101HT	3/4" F x 3/4" F	6 bar	20,02 €	Z6	10 / 40

AC 606 HT



- **Nipplo girevole per gruppi GP8000 (F, K, FK).**
- *Turnable nipple for GP8000 (F, K, FK) groups.*
- **Mamelon pivotant pour des groupes GP8000 (F, K, FK).**
- *Drehbare Nippel für Einheiten GP8000 (F, K, FK).*
- **Niple giratorio para grupos GP8000 (F, K, FK).**

Code	Size	Price	Class	Packaging
506700HT	1"1/4 M x 1"1/4 M	20,93 €	Z6	10 / 40

AC 600 HT



- **Tappo per collettore modulare.**
- *Plug for modular manifold.*
- **Bouchon pour collecteur modulaire.**
- *Verschluss für Modularverteiler.*
- **Tapón para colector modular.**

Code	Size	Price	Class	Packaging
500904HT	1"1/4 M	6,47 €	Z6	35 / 140

VAR 30 HT



- **Collettore modulare per gruppi GP8000K/GP8000FK connessi in parallelo.**
- *Modular manifold for GP8000K/GP8000FK units connected in parallel.*
- **Collecteur modulaire pour des groupes GP8000K/GP8000FK connectés en parallèle.**
- *Modularverteiler für Einheiten GP8000K/GP8000FK, parallel geschaltet verbunden.*
- **Colector modular para grupos GP8000K/GP8000FK conectados en paralelo.**

Code	Size	Price	Class	Packaging
550630HT	1"1/4 F	279,57 €	Z6	1

VESOL



- **Vaso di espansione chiuso a membrana per circuito solare.**
- *Membrane closed expansion vessel for solar circuits.*
- **Vase d'expansion fermé à membrane pour circuit solaire.**
- *Expansionsgefäß, mit Membran verschlossen, für Solarkreislauf.*
- **Vaso de expansión cerrado con membrana para circuito solar.**

Code	Size	Height	Price	Class	Packaging
VESOL8	8 l - Ø195 mm - G 3/4"	325 mm	On request	Z2	1
VESOL15	15 l - Ø260 mm - G 3/4"	360 mm	On request	Z2	1
VESOL20	20 l - Ø260 mm - G 3/4"	420 mm	On request	Z2	1
VESOL24	24 l - Ø295 mm - G 1"	420 mm	On request	Z2	1
VESOL33	33 l - Ø365 mm - G 1"	415 mm	On request	Z2	1
VESOL50	50 l - Ø370 mm - G 1"	790 mm	On request	Z2	1
VESOL60	60 l - Ø415 mm - G 1"	745 mm	On request	Z2	1
VESOL80	80 l - Ø460 mm - G 1"	785 mm	On request	Z2	1

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PIPES AND FITTINGS

S00



- **Tubo corrugato in acciaio inox austenitico AISI 316L, con isolante in EPDM a celle chiuse, pellicola protettiva anti raggi UV e cavo per sonda di temperatura. Ogni confezione contiene un kit di raccordi (4 dadi, 4 guarnizioni, 4 anelli e 2 nippli).**
- *Austenitic stainless steel AISI 316L pipe with closed cell EPDM insulation, prtective anti-UV film and electric cable for temperature probe. Fitting kit (4 nuts, 4 gaskets, 4 rings and 2 nipples) also included.*
- **Tuyau ondulé en acier inox austénitique AISI 316L, avec isolant en EPDM à cellules fermées, pellicule de protection contre les rayons UV et câble pour sonde de température. Chaque paquet contient un kit de raccords (4 écrous, 4 joints, 4 anneaux et 2 mamelons).**
- *Wellrohr aus authentischem Edelstahl AISI 316L mit geschlossenzelligem Isolierstoff aus EPDM, Schutzfolie gegen UV Bestrahlung und Kabel für Temperatursonde. Jede Verpackung enthält einen Anschlussbausatz (4 Muttern, 4 Dichtungen, 4 Ringe und 2 Nippel).*
- **Tubo corrugado de acero inoxidable austenítico AISI 316L, con aislante de EPDM de celdas cerradas, film protector contra los rayos UV y cable para sonda de temperatura. Cada paquete contiene un kit de racores (4 tuercas, 4 juntas, 4 anillos y 2 niples).**

Code	Size	Length	Price	Class	Packaging
S0016010	DN 16 - Fitting 3/4"	10 m	71,04 €/m	Z6	10 m
S0016015	DN 16 - Fitting 3/4"	15 m	69,26 €/m	Z6	15 m
S0016020	DN 16 - Fitting 3/4"	20 m	68,41 €/m	Z6	20 m
S0016025	DN 16 - Fitting 3/4"	25 m	67,80 €/m	Z6	25 m
S0020010	DN 20 - Fitting 1"	10 m	81,10 €/m	Z6	10 m
S0020015	DN 20 - Fitting 1"	15 m	79,02 €/m	Z6	15 m
S0020020	DN 20 - Fitting 1"	20 m	78,03 €/m	Z6	20 m
S0020025	DN 20 - Fitting 1"	25 m	77,33 €/m	Z6	25 m
S0025015	DN 25 - Fitting 1"1/4	15 m	102,22 €/m	Z6	15 m
S0025025	DN 25 - Fitting 1"1/4	25 m	99,62 €/m	Z6	25 m

RR S00



- **Kit di raccordi per tubo corrugato costituito da 4 dadi, 4 guarnizioni, 4 anelli e 2 nippli a tenuta piatta.**
- *Fitting kit for corrugated pipe consisting of 4 nuts, 4 gaskets, 4 rings and 2 flat-seal nipples.*
- **Kit de raccords pour tuyau ondulé composé de 4 écrous, 4 joints, 4n anneaux et 2 mamelons à étanchéité plate.**
- *Bausatz mit Anschlüssen für das Wellrohr, bestehend aus 4 Muttern, 4 Dichtungen, 4 Ringe und 2 Dichtungsnippeln.*
- **Kit de racores para tubo corrugado compuesto por 4 tuercas, 4 juntas, 4 anillos y 2 niples con junta plana.**

Code	Size	Price	Class	Packaging
S0304160	3/4"	26,37 €	Z6	1
S0304200	1"	50,15 €	Z6	1
S0304250	1"1/4	93,30 €	Z6	1

RR S030 TP



- **Nipplo a tenuta piatta maschio-maschio.**
- *Male-male flat seal nipple.*
- **Mamelon à étanchéité plate mâle-mâle.**
- *Flachdichtungsnippel AG-AG.*
- **Niple con junta plana macho-macho.**

Code	Size	Price	Class	Packaging
S0301160	3/4" M x 3/4" M	4,64 €	Z6	1
S0307200	1" M x 3/4" M	10,07 €	Z6	1
S0301200	1" M x 1" M	11,41 €	Z6	1
S0307250	1"1/4 M x 1" M	20,11 €	Z6	1
S0301250	1"1/4 M x 1"1/4 M	23,54 €	Z6	1

RR 781 TP



- **Raccordo diritto con attacco per tubo rame e filetto maschio a tenuta piatta.**
- *Straight fitting with copper pipe connection and male flat-seal thread.*
- **Raccord droit avec connection pour tuyau en cuivre et filetage mâle à étanchéité plate.**
- *Gerade Verbindung mit Anschluss für Kupferrohr und Gewindeverschraubung AG mit Flachdichtung.*
- **Racor recto con conexión para tubo de cobre roscada macho y junta plana.**

Code	Size	Price	Class	Packaging
570163	22 mm x 3/4" M	6,84 €	Z6	20 / 80
IV2052	22 mm x 1" M	20,31 €	Z6	1

RR 881 TP



- **Raccordo a gomito con attacco tubo rame, filetto maschio tenuta piatta.**
- *Elbow fitting with copper pipe connection and male flat seal thread.*
- **Raccord coudé avec connection pour tuyau en cuivre, filetage mâle à étanchéité plate.**
- *Krümmer mit Anschluss für Kupferrohr, Gewindeverschraubung AG mit Flachdichtung.*
- **Racor en codo con conexión tubo de cobre, rosca macho junta plana.**

Code	Size	Price	Class	Packaging
IV2021	22 mm x 3/4"	25,18 €	Z6	1
IV2022	22 mm x 1"	40,41 €	Z6	1

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AC 602 TP



- **Riduzioni maschio-femmina con sede piana.**
- *Male-female flat-seal reduction.*
- **Réductions mâle-femelle avec logement plat.**
- *Reduzierstück AG-IG mit Flachsitz*
- **Reducciones macho-hembra con sede plana.**

Code	Size	Price	Class	Packaging
IV2122	3/4" F x 1" M	12,00 €	Z6	1
IV2123	1" F x 1"1/4 M	35,60 €	Z6	1

AC 601 HT



- **Tappo 3/4" femmina con guarnizione per alte temperature.**
- *3/4" female plug with seal for high temperature.*
- **Bouchon 3/4' femelle avec le joint pour des hautes températures.**
- *IG Verschluss 3/4' mit Dichtung für Hochtemperatur.*
- **Tapón 3/4" hembra con junta para altas temperaturas.**

Code	Size	Price	Class	Packaging
500022HT	3/4"	4,474 €	Z6	100 / 400

AC 636 HT



- **Valvole a sfera di intercettazione per applicazioni solari.**
- *Shut-off ball valves for solar applications.*
- **Robinet d'arrêt à sphère pour des applications solaires.**
- *Kugelabsperrventile für Solaranwendungen.*
- **Válvulas de esfera de interceptación para aplicaciones solares.**

Code	Size	Price	Class	Packaging
8366N007HT	1"1/4 F x 1"1/4 F	58,62 €	Z6	

AC 620 SOL



- **Valvola di sfiato automatica per campo solare costituito di collettori piani I-SUNF.**
- *Automatic air vent valve for solar field of I-SUNF solar panels.*
- **Purgeur d'air automatique pour champ solaire comprenant des collecteurs plans I-SUNF.**
- *Automatisches Entlüftungsventil für Solarfeld, bestehend aus Flachverteilern I-SUNF.*
- **Válvula purgadora automática para campo solar compuesto por colectores planos I-SUNF.**

Code	Size	Max inlet pressure	Price	Class	Packaging
506701	1/2" M	10 bar	16,23 €	Z6	10 / 80

RF I-SUNKSR



- **Raccordo di giunzione flessibile per collettori sottovuoto I-SUNKSR. Dado e guarnizioni incluse.**
- *Flexible joint connection for I-SUNKSR vacuum pipe collectors. Nut and gaskets included.*
- **Raccord de jonction flexible pour des collecteurs sous vide I-SUNKSR. Écrou et joints inclus.**
- *Flexible Verbindung für Vakuumverteiler I-SUNKSR. Inklusive Mutter und Dichtung.*
- **Racor flexible para colectores de vacío I-SUNKSR. Tuerca y juntas incluidas.**

Code	Size	Price	Class	Packaging
420100	3/4"	12,41 €	Z6	1

PS I-SUNKSR



- **Kit composto da valvola di sfiato e portasonda per collettori sottovuoto I-SUNKSR.**
- *Kit consisting of air vent valve and probe holder for vacuum tube collectors I-SUNKSR.*
- **Kit comprenant une vanne de purge et un porte-sonde pour des collecteurs sous vide I-SUNKSR.**
- *Bausatz bestehend aus Entlüftungsventil und Sondenhalter für Vakuumverteiler I-SUNKSR.*
- **Kit compuesto por válvula purgadora y portasonda para colectores de vacío I-SUNKSR.**

Code	Size	Price	Class	Packaging
470201SR	3/4" F x 3/4" M flat seal	33,49 €	Z6	1

PS I-SUNF



- **Raccordo portasonda con valvola di intercettazione e attacco per valvola di sfiato automatica, adatto a collettori solari piani I-SUNF, con attacchi tubo rame.**
- *Fitting with probe holder, connection and interception for automatic air vent valve, suitable to I-SUNF flat plate solar panels, with copper pipe connections.*
- **Raccord porte-sonde avec soupape d'arrêt et raccord pour purgeur d'air automatique, approprié aux collecteurs solaires plans I-SUNF, avec raccords tuyau en cuivre.**
- *Anschluss Sondenhalter mit Absperrventil und Anschluss für automatisches Entlüftungsventil, geeignet für Flachsolarverteiler-SUNF, mit Anschlüssen für Kupferrohre.*
- **Racor portasonda con válvula de interceptación y conexión para válvula purgadora automática, idóneo para colectores solares planos I-SUNF, con conexiones para tubo de cobre.**

Code	Size	Price	Class	Packaging
506031	22 mm x 22 mm	48,86 €	Z6	5 / 40

RR I-SUNF



- **Raccordo di giunzione per pannelli solari piani I-SUNF con attacco doppio tubo rame.**
- *Joint fitting for I-SUNF flat solar panels with double copper pipe connection.*
- **Raccord de jonction pour des panneaux solaires plans I-SUNF avec raccord double tuyau en cuivre.**
- *Verbindungen für Flachsolarverteiler I-SUNF mit Doppelanschluss Kupferrohr.*
- **Racor para paneles solares planos I-SUNF con conexión doble tubo de cobre.**

Code	Size	Price	Class	Packaging
570162	22 mm x 22 mm	9,22 €	Z6	15 / 60

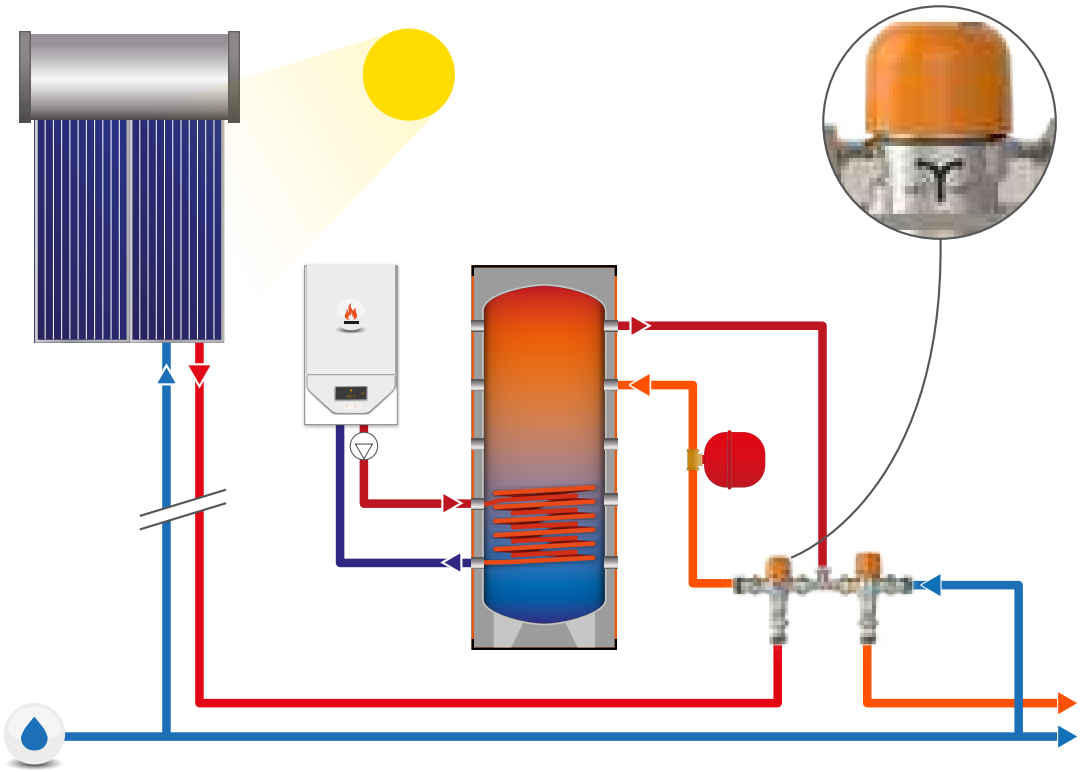
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THERMOSTATIC DIVERTER VALVE

The thermostatic diverter valve is a device which diverts the incoming water towards one outlet or another depending on its temperature. This device is therefore **used primarily in solar systems for the production of domestic hot water**.
If the DHW in the solar storage tank is sufficiently hot (T > 45°C), the water will be diverted directly to the terminal devices. On the contrary, if the water produced in the solar storage tank is at a lower temperature (T < 45°C), then the diverter valve switches the outlet to a booster storage tank or a source.
The valve is available with ½" or ¾" unions.

Since the temperature of the water arriving from solar storage tanks is generally rather high, the diverter valve is **used in combination with a solar thermostatic mixer suitable for high temperatures**. For this reason, the DEV 02 SOL kit is available, consisting of a thermostatic diverter valve and a thermostatic mixer.
When the temperature from the solar storage tanks is greater than 45°C, the diverter valve directs the water directly to the thermostatic mixer which brings it to a temperature suitable for distribution on the basis of the set value (adjustment range 36-50°C).
If the temperature from the solar storage tanks is below 45°C, on the other hand, the diverter valve directs the water to a boiler with storage tank where its temperature is increased. The water outlet from the boiler passes through the thermostatic mixer which keeps it stably at the set temperature.
Moreover, the mixer guarantees anti-scald safety by interrupting the water supply in the event that there is no cold water supply.





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DEV 01



- **Valvola deviatrice termostatica completa di bocchettoni.**
- *Thermostatic diverter valve complete with fittings.*
- **Vanne de dérivation thermostatique complet avec raccords.**
- *Thermostatisches Umschaltventil komplett mit Anschlüssen.*
- **Válvula desviadora termostática completa con manguitos.**

Code	Size	Price	Class	Packaging
506571	1/2"	110,50 €	QA	1 / 22
506572	3/4"	117,50 €	QA	1 / 22

DEV 02 SOL



- **Kit composto da valvola deviatrice termostatica, raccordo a T di collegamento, miscelatore termostatico regolabile per applicazioni solari e bocchettoni.**
- *Kit consisting of thermostatic diverter valve, connection T-fitting, adjustable thermostatic mixer for solar applications and fittings.*
- **Kit composé d'une vanne de dérivation thermostatique, té de raccordement, un limiteur de température réglable pour des applications solaires et raccords.**
- *Bausatz bestehend aus thermostatischem Umschaltventil, Verbindungs-T-Stück, einstellbarem Thermostatmischer für Solaranwendungen und Anschlüssen.*
- **Kit compuesto por válvula desviadora termostática, te de conexión, mezclador termostático regulable para aplicaciones solares y manguitos.**

Code	Size	Price	Class	Packaging
506570	3/4"	219,50 €	QA	1 / 8

MT 00 SOL



- **Miscelatore termostatico a taratura fissa per applicazioni solari completo di bocchettoni con valvola di non ritorno agli ingressi (temperatura max. ingresso: 110 °C).**
- *Thermostatic blender with fixed setting for solar applications complete with fittings with non-return valve at the inlets (max. intake temperature: 110 °C).*
- **Limiteur de température à étalonnage fixe pour des applications solaires complet avec raccords avec clapet anti-retour aux entrées (température d'entrée max. : 110 °C).**
- *Thermostat-Mischer mit fester Eichung für Solaranwendungen komplett mit Anschlüssen mit Rückschlagventil an den Eingängen (max. Einlauftemperatur: 110 °C).*
- **Mezclador termostático a valor fijo para aplicaciones solares completo con manguitos con válvula de retención en las entradas (temperatura máx. de entrada: 110 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507020SOL	1/2" M	50 (+0/-3) °C		104,82 €	QA	1 / 22
507030SOL	3/4" M	50 (+0/-3) °C		114,42 €	QA	1 / 22

MT 05 SOL



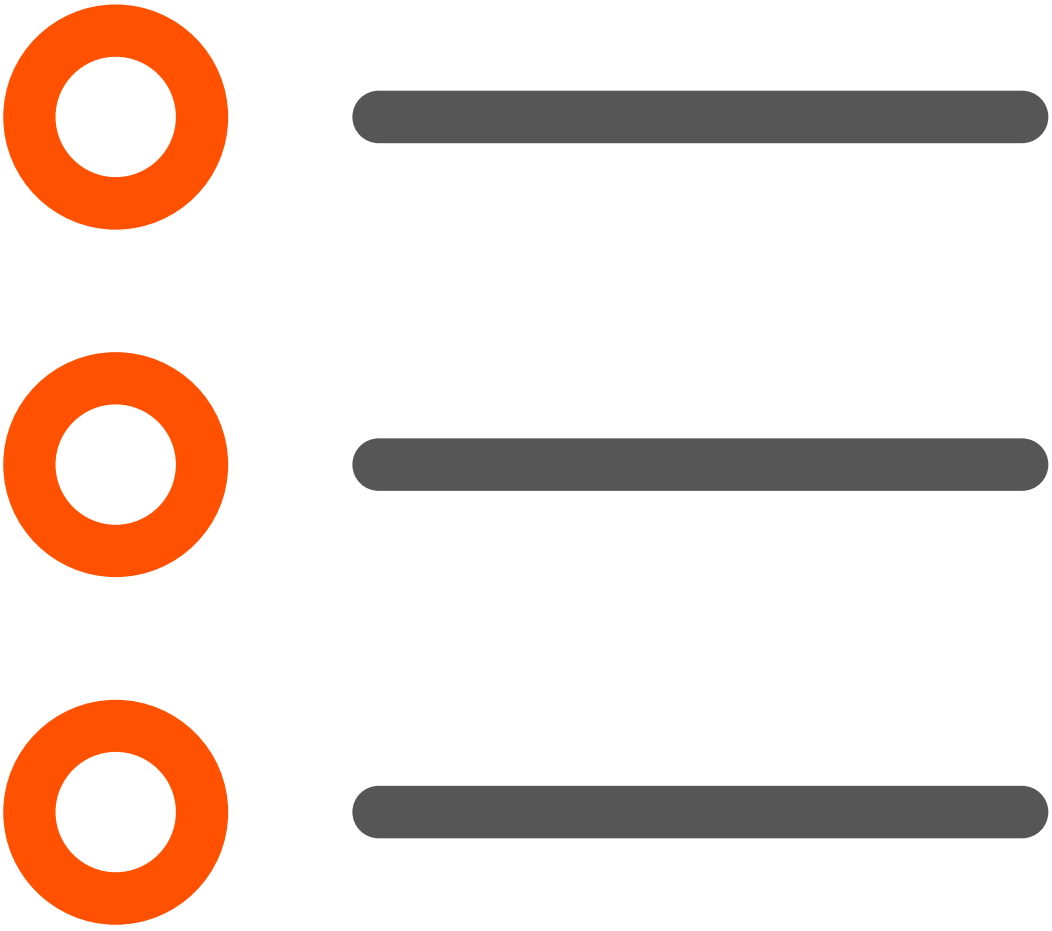
- **Miscelatore termostatico regolabile per applicazioni solari completo di bocchettoni con valvola di non ritorno agli ingressi (temperatura max. ingresso: 110 °C).**
- *Adjustable thermostatic blender for solar applications complete with fittings with non-return valve at the inlets (max. intake temperature: 110 °C).*
- **Limiteur de température réglable pour des applications solaires complet avec raccords avec clapet anti-retour aux entrées (température d'entrée max. : 110 °C).**
- *Einstellbarer Thermostat-Mischer für Solaranwendungen komplett mit Anschlüssen mit Rückschlagventil an den Eingängen (max. Einlauftemperatur: 110 °C).*
- **Mezclador termostático ajustable para aplicaciones solares completo con manguitos con válvula de retención en las entradas (temperatura máx. de entrada: 110 °C).**

Code	Size	Range	Color	Price	Class	Packaging
507025SOL	1/2" M	36-50 °C		104,82 €	QA	1 / 22
507035SOL	3/4" M	36-50 °C		114,42 €	QA	1 / 22

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1. Premesse

1.1. I contratti di vendita stipulati da I.V.A.R. S.p.A. (di seguito anche "venditore") nell'esercizio della propria attività imprenditoriale sono regolati dalle presenti condizioni generali di contratto, salvo deroghe risultanti da accordo scritto recante l'approvazione dall'Ufficio commerciale del venditore.

1.2. Eventuali condizioni generali del compratore, ed in particolare condizioni d'acquisto, non troveranno applicazione ai contratti di vendita stipulati dal venditore se non espressamente accettate per iscritto dall'Ufficio commerciale del venditore; in tal caso, tuttavia, salvo deroga scritta, tali condizioni non escluderanno l'efficacia delle presenti condizioni generali di contratto.

1.3. L'eventuale nullità e/o inefficacia di una o più disposizioni delle presenti condizioni generali di vendita non incide sulla validità del contratto nel suo complesso.

1.4. Le presenti condizioni generali di vendita si intendono integralmente lette ed accettate dal compratore con il conferimento dell'ordine di acquisto.

2. Formazione del contratto e sua esecuzione

2.1. Gli ordini e/o gli impegni assunti da rappresentanti, agenti e/o altri ausiliari del venditore non hanno in alcun modo il potere di vincolare il venditore medesimo; ne consegue che tutti gli ordini gestiti dai predetti rappresentanti, agenti e ausiliari acquistano validità ed efficacia solo con la conferma scritta dell'Ufficio commerciale del venditore.

2.2. Qualsiasi modifica dell'ordine sarà valida e vincolante per il venditore solo previa approvazione scritta dell'Ufficio commerciale del venditore.

2.3. L'esecuzione del contratto potrà essere sospesa in qualsiasi momento nel caso di mutamento delle condizioni patrimoniali del compratore ai sensi ed agli effetti dell'art. 1461 del Codice Civile, salvo il risarcimento del danno. Al venditore è attribuita la facoltà di richiedere, anche in corso di esecuzione del contratto, idonee garanzie di pagamento. La mancata prestazione delle garanzie richieste costituirà causa di risoluzione del contratto ai sensi dell'art. 1456 Codice Civile.

3. Cataloghi e listini-prezzi

3.1. I dati, le misure, gli articoli, i prezzi, le caratteristiche, le prestazioni e tutti gli altri dati riprodotti nei cataloghi, listini, prospetti, circolari ecc. del venditore hanno carattere indicativo; essi possono essere variati senza alcun preavviso e hanno valore vincolante per il venditore unicamente in caso di loro espressa indicazione nell'accettazione/conferma d'ordine.

3.2. I listini-prezzi del venditore non costituiscono offerta; essi sono puramente indicativi e possono essere modificati unilateralmente dal venditore senza preavviso.

3.3. I prezzi si considerano di norma, salvo diverso accordo, "franco stabilimento del venditore – exw", imballaggio incluso. Sono, pertanto, a carico del compratore le tasse, imposte e diritti vigenti al momento della consegna. I prezzi non comprendono prestazioni od oneri non menzionati.

3.4. Le spese di assicurazione della merce sono a carico dell'acquirente, come pure le eventuali spese e gli eventuali diritti di dogana dovuti per il ritardo nello sdoganamento o per altre cause.

4. Modalità di pagamento; decadenza del beneficio del termine; recesso unilaterale; interessi moratori; accettazione della fattura e ricognizione di debito.

4.1. Salvo deroghe scritte, tutti i pagamenti devono essere effettuati presso la sede del venditore ed in valuta Euro. Tratte od altri mezzi di pagamento concordati non comportano in alcun modo modifiche o deroghe alla presente norma.

4.2. I prezzi riportati sul listino-prezzi del venditore si intendono al netto di I.V.A., che, ove applicabile, sarà calcolata secondo il tasso in vigore al momento della data di fatturazione.

4.3. Per ogni giorno di ritardo rispetto al pattuito termine di pagamento verranno conteggiati gli interessi moratori ai sensi del D.lgs. n. 231/2002.

4.4. In caso di pagamento dilazionato/rateale dell'importo della fattura, la mancata osservanza di un termine di pagamento comporta l'automatica decadenza dal beneficio del termine, l'esigibilità immediata dell'intero ammontare e la decorrenza degli interessi moratori ai sensi del D.lgs. n. 231/2002.

4.5. In caso di fallimento o di ammissione del compratore a procedure concorsuali nonché in caso di assoggettamento del compratore a procedure esecutive e/o a protesti, i debiti del compratore si considerano immediatamente esigibili e il venditore avrà facoltà, ai sensi dell'art. 1373 Codice Civile, di risolvere il contratto mediante l'invio di lettera raccomandata a/r ovvero mediante invio di posta certificata (P.E.C.).

4.6. Qualora sia convenuto un regolamento cambiario, sono a carico del compratore sia gli interessi di sconto che le spese e commissioni relative; gli interessi saranno conteggiati al tasso ufficiale di sconto maggiorato di tre unità. In caso di mancato pagamento o mancata accettazione di un effetto cambiario, le somme dovute diverranno immediatamente esigibili qualunque siano le condizioni convenute in precedenza.

4.7. Il decorso di dieci (10) giorni dal ricevimento della fattura senza che sia intervenuta qualsivoglia contestazione scritta da parte del compratore, da indirizzare all'Ufficio commerciale del venditore, circa l'ammontare della somma di denaro ivi indicata implica l'avvenuta ricognizione da parte del cliente del debito recato dalla predetta fattura ai sensi dell'art. 1988 Codice Civile.

5. Messa a disposizione "franco stabilimento del venditore – exw" e spedizione della merce

Il venditore comunicherà al compratore, per lettera e/o telegramma e/o telefax e/o e-mail e/o posta certificata (P.E.C.), la data di messa a disposizione della merce presso lo stabilimento del venditore. Qualora il compratore non proceda al ritiro della merce presso lo stabilimento del venditore entro dieci (10) giorni dalla suddetta comunicazione, il venditore procederà alla spedizione della merce presso il domicilio del compratore da quest'ultimo specificato nell'ordine di acquisto. Nel caso di ritardata spedizione indipendente da fatto proprio, il venditore ha facoltà di addebitare al compratore le eventuali spese di immagazzinaggio, manutenzione, custodia e assicurazione della merce.

6. Consegna e trasferimento dei rischi

La consegna del materiale s'intende effettuata "franco stabilimento del venditore – exw" e "franco partenza". Ogni responsabilità del venditore cessa con la consegna al compratore o al vettore; ne consegue che il materiale viaggia a rischio e pericolo del compratore. Nei casi in cui, per accordi specifici intervenuti con il compratore, il materiale sia venduto "franco destino" non verranno comunque accettate contestazioni per eventuali furti, danneggiamenti o manomissioni. Eventuali accordi con spedizionieri, ivi compreso l'ammontare ed il pagamento del prezzo del trasporto, s'intenderanno sempre conclusi in nome e per conto del compratore, che sin d'ora accetta e ratifica l'operato del venditore.

7. Trasporto ed imballaggi; responsabilità per perdite ed avarie

7.1. L'onere della gestione del trasporto del materiale dallo stabilimento del venditore fino al luogo di destinazione s'intende normalmente a carico del compratore, salvo diverso accordo risultante dalla conferma d'ordine. Le spese di trasporto sono, in ogni caso, a carico del compratore. Il compratore assume tutti i rischi inerenti al trasporto fin dalla consegna del materiale al trasportatore o vettore, anche in caso di riserva del diritto di proprietà.

7.2. Il venditore provvederà all'imballaggio secondo le regole d'uso. Il venditore è comunque esonerato da ogni responsabilità per perdite e avarie che non dipendano da dolo o colpa grave del venditore e che non siano diretta e immediata conseguenza della sua condotta. Per particolari tipi di imballaggio saranno conteggiati in fattura gli extra prezzo indicati nel listino-prezzi, ove indicati, o nella conferma d'ordine.

8. Garanzia di legge

8.1. Nel caso di vendita a cliente non consumatore (richiamando la definizione di "Consumatore" riportata nel punto 8.2.), si applicano esclusivamente le norme del Codicec Civile italiano in tema di garanzia per vizi ai sensi dell'art. 1490 e segg. Codice Civile.

8.2. Nel caso l'utilizzatore finale del prodotto commercializzato dal venditore sia qualificabile come consumatore, vige altresì la garanzia per danno da prodotto difettoso prevista dal D. Lgs. 6 settembre 2005 n. 206, parte IV, titolo III, capo I e successive modificazioni ed integrazioni in caso di Consumatore residente in Italia. Ai sensi dell'art. 2 della Direttiva UE n. 2019/771, per "Consumatore" deve intendersi qualsiasi persona fisica che, in relazione ai contratti oggetto della suddetta Direttiva, agisce per fini che non rientrano nel quadro della sua attività commerciale, industriale, artigianale o professionale. Qualora il Consumatore sia residente in un altro Stato membro dell'UE, il suddetto Consumatore è titolare del diritto di garanzia previsto ai sensi dell'eventuale diversa legislazione nazionale applicabile al medesimo in materia di vendita di beni di consumo, emanata in attuazione della Direttiva UE n. 2019/771 e successive modifiche ed integrazioni. Il Consumatore residente o domiciliato in Stati extra UE è titolare di un diritto di garanzia ai sensi dell'eventuale diversa normativa imperativa territorialmente applicabile in materia di vendita di beni di consumo.

8.3. Il venditore non potrà essere considerato responsabile di malfunzionamenti o difettosità imputabili a non conformi/errate installazione, uso o manutenzione dei prodotti acquistati rispetto alle prescrizioni riportate nel libretto di istruzioni e/o nelle eventuali etichette di avvertimento. La garanzia di legge non riguarda tutte le parti considerate "di consumo" e/o soggette a normale logorio e usura e decade qualora le cause del guasto siano imputabili a incidenti, uso scorretto, incuria, uso non conforme all'utilizzo appropriato o utilizzo al di fuori dell'ambito della fornitura e più in generale qualsiasi difetto imputabile a colpa o comunque ad attività sul prodotto effettuate dal cliente senza il consenso scritto del Venditore. Il venditore non risponde dei costi di smontaggio, trasporto, re-assemblaggio, re- installazione, o collaudo dei prodotti ricadenti nella presente garanzia.

8.4. Reso dei prodotti e riparazione/sostituzione: i prodotti viziati/difettosi dovranno essere restituiti al venditore. I prodotti in garanzia, ove possibile, verranno riparati. Qualora, invece, la riparazione non sia possibile o non sia economicamente conveniente, il venditore si impegna a sostituire il prodotto con uno nuovo dello stesso tipo. Le spese di restituzione del prodotto riparato e/o di consegna del prodotto sostitutivo di quello viziato/difettoso sono sempre a carico del cliente e la merce viaggia sempre a rischio di quest'ultimo.

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9. Reclami per vizi/difetti/mancanza di qualità dei prodotti

9.1. Reclami e/o contestazioni circa vizi o mancanza di qualità del prodotto, nel rispetto dei termini previsti dalla normativa richiamata nell'art. 8, dovranno essere indirizzati esclusivamente all'Ufficio commerciale del venditore compilando in ogni sua parte l'apposito modulo "SEGNALAZIONE RECLAMO" scaricabile online al seguente link https://pim.ivar-group.com/Segnalazione reclami/Segnalazione reclami_it.pdf.

Per una corretta e rapida gestione del reclamo è fondamentale comunicare informazioni dettagliate sui vizi/difetti e/o sulla mancanza di qualità contestati.

9.2. Nel caso in cui i prodotti restituiti al venditore non presentino i vizi e/o la mancanza di qualità contestate dal cliente, quest'ultimo dovrà versare al venditore la somma forfetaria pari al 10% del valore della merce a titolo di rimborso delle spese derivanti dalla gestione della procedura di reclamo.

9.3. Eventuali reclami e/o contestazioni circa vizi e/o mancanza di qualità del prodotto non attribuiranno al compratore il diritto di omettere o ritardare i pagamenti della fornitura.

10. Termini di consegna e restituzione della merce; limitazione di responsabilità

10.1. Il termine di consegna convenuto tra le parti decorre dal giorno successivo a quello in cui sarà stato raggiunto l'accordo su ogni elemento del contratto e saranno state ricevute dal venditore tutte le informazioni necessarie all'esecuzione della consegna. Resta in ogni caso inteso che i termini di consegna indicati nelle offerte del venditore e/o nelle conferme d'ordine sono puramente indicativi e non vincolanti.

10.2. Nel caso sia richiesta una licenza d'importazione da parte del paese del compratore, il termine di consegna decorrerà dal momento in cui il venditore è stato informato per iscritto dell'avvenuta concessione della licenza.

10.3. La consegna della merce, anche se parziale, non può essere rifiutata dal compratore; le consegne parziali di merce non attribuiscono al compratore il diritto di annullare l'ordine.

10.4. Nessuna responsabilità sarà ascrivibile al venditore, e nulla pertanto sarà dovuto al compratore, ove il ritardo nella consegna non sia imputabile al venditore – come in caso di ritardi di terzi, inclusi fornitori e subfornitori, cause di forza maggiore come mobilitazioni, sommosse, scioperi o serrate, guerre, epidemie, chiusura, incidenti o guasti alle macchine o utensili, incendi, crolli inondazioni, terremoti, temperature eccessive, eventi metereologici e in genere in qualunque altro caso che comporti l'inattività totale o parziale degli stabilimenti del venditore e l'arresto o il rallentamento della produzione.

10.5. In ogni caso, il compratore non potrà avvalersi del ritardo nella consegna per risolvere il contratto.

10.6. Fatto salvo quanto previsto nel numero 8. in tema di garanzia, il cliente non potrà restituire per alcuna ragione il materiale consegnatogli senza espressa autorizzazione scritta del venditore. Nel caso di ottenimento del consenso alla restituzione, il compratore, per avere diritto al rimborso del corrispettivo di acquisto già pagato, dovrà restituire il materiale secondo le seguenti modalità:

- il materiale non dovrà essere stato utilizzato dal compratore e dovrà essere restituito nelle medesime condizioni in cui il compratore lo aveva ricevuto;
- la restituzione del materiale dovrà avvenire entro giorni quindici (15) dalla data della fattura di acquisto;
- il materiale dovrà essere restituito a I.V.A.R. S.p.A. - a cura, spese e rischio del compratore - presso la sede di Prevalle (BS), via IV Novembre, 181.

11. Recesso e sospensione della fornitura

11.1. Nel caso di eventi imprevisti, forza maggiore e caso fortuito (quali, a mero titolo esemplificativo, scioperi o serrate, mancato o ridotto approvvigionamento di materie prime, difficoltà di trasporti, guerre, insurrezioni, interruzioni di comunicazioni comunque provocate, guasti agli impianti del venditore ecc.) il venditore avrà la facoltà di recedere dal presente accordo e/o di sospendere la fornitura in corso quando tali eventi imprevisti, ovunque essi avvengano, alterino in modo sostanziale lo stato dei mercati, il valore della moneta, le condizioni dell'industria italiana, o si verifichino circostanze anche endogene che, a giudizio insindacabile del venditore, non consentano la utile prosecuzione del rapporto di fornitura.

11.2. In caso di mancato pagamento, anche parziale, delle fatture emesse dal venditore, anche se relative a precedenti e già eseguite forniture di prodotti, il venditore si riserva la facoltà di sospendere le forniture di prodotti relative alle conferme d'ordine in corso di esecuzione.

11.3. In ogni caso, previsto dalle presenti condizioni generali di contratto, di recesso dal contratto e/o di sospensione della fornitura di materiale, il compratore non avrà diritto ad indennizzi, compensi, rimborsi o risarcimento dei danni.

12. Diritti di proprietà intellettuale – Utilizzo del marchio I.V.A.R.

12.1. Qualsiasi disegno o documento tecnico relativo ai prodotti del venditore, anche se rimesso al compratore, rimane di esclusiva proprietà del venditore e non può essere utilizzato dal compratore o copiato, riprodotto, trasmesso o comunicato a terzi senza la preventiva autorizzazione scritta del venditore.

12.2. Qualsiasi utilizzo del marchio I.V.A.R. da parte del compratore dovrà essere preventivamente autorizzato per iscritto da parte del venditore, pena il risarcimento dei danni per indebito utilizzo del marchio.

13. Legge applicabile. Giurisdizione. Foro competente.

13.1. Il contratto, anche nel caso in cui esso sia stipulato con compratori di nazionalità estera e anche in caso di prodotti forniti all'estero, sarà disciplinato dalla Legge italiana. È esclusa l'applicazione della convenzione dell'AIA relativa al diritto uniforme sulla vendita internazionale delle merci, della convenzione delle Nazioni Unite sui contratti per la vendita internazionale dei beni mobili e di tutte le altre convenzioni internazionali in materia di vendita di merci e/o di appalto d'opera e di servizi.

13.2. Qualsiasi controversia relativa al presente contratto e alla sua interpretazione e/o esecuzione è soggetta alla esclusiva giurisdizione italiana ed attribuita in via esclusiva alla competenza territoriale del Foro di Brescia.

14. Privacy

14.1. Il compratore presta il consenso al trattamento dei propri dati personali, dando atto di aver ricevuto l'informativa privacy redatta sulla base di molteplici ordinamenti legislativi, inclusi gli artt. 13 e 14 del Regolamento (UE) 2016/679, che può essere consultata qui https://pim.ivar-group.com/short/Privacy_clienti.

14.2. Titolare del trattamento dei dati del compratore è la società I.V.A.R. S.p.A., con sede in Prevalle (BS), Via IV Novembre, 181.

14.3. Il compratore potrà esercitare in ogni momento i propri diritti rivolgendosi direttamente al titolare del trattamento all'indirizzo mail notifiche.gdpr@ivar.it

14.4. Il conferimento dei dati è obbligatorio per dare corso all'esecuzione del contratto e per adempiere agli obblighi contabili e fiscali; l'eventuale rifiuto di fornire tali dati comporterà la mancata esecuzione del contratto per colpa del compratore.

14.5. I dati personali potranno essere comunicati, oltre che a soggetti legati alla società I.V.A.R. S.p.A. (ad es. dipendenti, agenti, procacciatori, filiali e/o sedi secondarie, ecc.) a banche, compagnie assicurative e comunque, in genere, a consulenti e/o professionisti della società stessa.

15. Comunicazioni

Fatto salvo quanto diversamente previsto nelle altre condizioni generali di vendita, tutte le comunicazioni fra le parti dovranno essere effettuate per iscritto ed inviate all'indirizzo del destinatario indicato nel contratto ovvero alla sede legale del destinatario a mezzo lettera raccomandata A/R, telefax, e-mail, posta certificata (P.E.C.) o consegna a mano.

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1. Introduction

1.1. Sales contracts entered into by I.V.A.R. S.p.A. (hereinafter also referred to as the "seller") during the course of its business activities are regulated by these general contractual conditions, with the exception of waivers resulting from written agreements bearing the approval of the seller's sales and marketing department.

1.2. Any general conditions of the purchaser, and in particular conditions of purchase, shall not be applicable to the sales contracts entered into by the seller unless expressly agreed to in writing by the seller's sales and marketing department; in these cases, nevertheless, such conditions shall not preclude the effectiveness of these general contractual conditions unless a written waiver is provided.

1.3. Should one or more clauses or provisions of these general conditions of sale be rendered void or invalid, this shall not affect the validity of the remaining clauses.

1.4. These general conditions of sale shall be understood to have been read and accepted in their entirety by the purchaser upon sending of the purchase order.

2. Formation and Fulfilment of the Contract

2.1. Orders and/or commitments taken on by representatives or agents of the seller shall be in no way binding on the seller itself; as such, all orders handled by such representatives, agents etc. shall acquire validity and effectiveness only upon written confirmation from the seller's sales and marketing department.

2.2. Any modification to the order shall be valid and binding on the seller only upon written approval from the seller's sales and marketing department.

2.3. Performance of the contract may be suspended at any time in the event of changes to the purchaser's financial conditions pursuant to Article 1461 of the Italian Civil Code, without prejudice to any claim for damages. The seller shall retain the right to request appropriate payment guarantees, even during performance of the contract. Failure to provide the requested guarantees shall be cause for termination of the contract, pursuant to article 1456 of the Italian Civil Code.

3. Catalogues and Price Lists

3.1. Data, measurements, items, prices, specifications, performance and all other data listed in the seller's catalogues, price lists, tables, circulars etc. are provided purely by way of example; some may be subject to change without prior notice, and are binding on the seller only if expressly specified in the order acceptance/confirmation.

3.2. The seller's price lists do not represent an offer; they are provided purely by way of example, and may be unilaterally modified by the seller without prior notice.

3.3. Prices are generally, unless otherwise specified, "ex-works (EXW) seller premises", packaging included. Any taxes, duties and fees applicable upon delivery are therefore the responsibility of the purchaser. The prices do not include any services or fees which are not mentioned.

3.4. Insurance costs for the goods are the responsibility of the purchaser, as are any customs costs and expenses due to delays in customs clearance or other causes.

4. Payment Methods; Acceleration Clause; Unilateral Withdrawal; Default Interest; Acceptance of the Invoice; and Acknowledgement of Debt.

4.1. Unless a written waiver is provided, all payments must be made in Euros to the seller's premises. Bank drafts or other agreed payment methods do not, in any way, entail amendments or waivers to this rule.

4.2. The prices given in the seller's price list are net of VAT which, where applicable, shall be calculated at the rate in force at the date of invoice generation.

4.3. For each day of delay with respect to the agreed payment terms, default interest shall accrue pursuant to Italian Legislative Decree no. 231/2002.

4.4. In the event of delayed payment or payment of instalments against the invoice amount, failure to meet a payment deadline shall cause the acceleration clause to automatically apply, with the entire sum immediately coming due and default interest accruing pursuant to Italian Legislative Decree no. 231/2002.

4.5. In the event of the purchaser entering into bankruptcy or restructuring proceedings, or if they have been subject to enforcement proceedings or protests, the sums receivable from the purchaser shall be considered immediately due and the seller shall have the right, pursuant to Article 1373 of the Italian Civil Code, to immediately terminate the contract by sending a registered letter with return receipt or by sending a "certified email (P.E.C.)" where available.

4.6. In the event that a bill of exchange is agreed on, the purchaser shall be responsible both for the discount interest and the relative costs and commissions; interest shall be calculated at the statutory discount rate plus three (3) per cent. In the event of failure to pay or lack of acceptance of a bill of exchange, the sums payable will immediately become due regardless of the previously agreed conditions.

4.7. If a period of ten (10) days passes from receipt of the invoice without any written dispute by the purchaser – to be addressed to the seller's sales and marketing department – with regard to the invoice amount due, this shall imply acknowledgement by the customer of the debt incurred via the above-mentioned invoice pursuant to article 1988 of the Italian Civil Code.

5. Provision of Goods "Ex-Works (EXW) Supplier Premises" and Shipment of the Goods

The seller shall notify the purchaser by letter and/or telegram and/or telefax and/or email and/or "certified email (P.E.C.)" of the date the goods are to be made available at its premises. Should the purchaser not collect or arrange for collection of the goods within ten (10) days of the aforementioned notification, the seller shall proceed to ship the goods to the registered address of the purchaser as specified in the purchase order. In the event of delayed shipment not due to its own actions, the seller retains the right to charge the purchaser for any costs incurred for storage, maintenance, custody and insurance of the goods.

6. Delivery and Transfer of Risk

Delivery of goods is understood to be "Ex-Works (EXW) supplier premises". All supplier liability shall cease upon hand-over to the purchaser or carrier; the goods therefore travel at the risk and liability of the purchaser. In cases where, under special agreements with the purchaser, the material is delivered, for example, DDP or DAP, no disputes shall be accepted for any theft of, damage to or tampering with the goods. Any agreements with shipping agents, including the amount and payment of the transport price, shall always be understood to be made in the name of and on behalf of the purchaser who, as of now, accepts and agrees with the seller's operations.

7. Transport and Packaging; Liability for Losses and Faults

7.1. Costs for managing shipment of the material from the seller's premises to the destination are normally borne by the purchaser, unless otherwise agreed in the order confirmation. Transport costs shall, in any case, be paid by the purchaser. The purchaser assumes all risk deriving from transport through to delivery of the material to the carrier or haulier, even in the event of retention of title.

7.2. The seller shall provide for appropriate standard packaging. The seller shall nevertheless bear no liability for loss or damage not due to its own wilful misconduct or gross negligence and which is not a direct and immediate consequence of its conduct. For special types of packaging, the surcharges specified in the price list, where applicable, or in the order confirmation, will be applied to the invoice.

8. Legal Warranty

8.1. In the event of sale to a customer who is not a consumer (applying the definition of "Consumer" given in point 8.2.), only the provisions of the Italian Civil Code with regard to warranties against defects pursuant to Article 1490 et seq. of the Italian Civil Code shall apply.

8.2. In the event that the end user of the product sold by the seller can be classified as a consumer, the warranty against damage by defective products provided for under Italian Legislative Decree no. 206 of 6 September 2005, part IV, title III, chapter I, as amended, shall apply to consumers resident in Italy. Pursuant to article 2 of Directive (EU) no. 2019/771, "Consumer" means any natural person who, in relation to contracts covered by the aforementioned Directive, is acting for purposes which are outside that person's trade, business, craft or profession. Should the Consumer be resident in another EU Member State, they shall have the warranty rights provided for under any other national legislation applicable to the same covering consumer goods, enacted as implementing legislation of Directive (EU) 2019/771, as amended. Consumers resident or domiciled in third countries (outside the EU) will have warranty rights pursuant to any different binding local legislation applicable to sales of consumer goods.

8.3. The seller shall not be held liable for malfunctions or defects ascribable to nonconformities/incorrect installation, use or maintenance of the products purchased with respect to the requirements listed in the instruction booklet and/or any warning labels. The legal warranty shall not apply to any parts considered "consumable" and/or subject to normal wear and tear, and shall be void when the causes of the fault are ascribable to accidents, misuse, lack of care, inappropriate use or use outside the purpose for which the goods were supplied, and more generally any defect ascribable to the fault of or in any case activities performed by the customer on the product without the seller's written consent. The seller shall not be liable for disassembly, transport, reassembly, reinstallation or testing of products which fall under this warranty.

8.4. Return of products and repair/replacement: defective/faulty products must be returned to the seller. Products under warranty will be repaired, where possible. If repair is not (economically) possible, the seller shall replace the product with a new one of the same type. Costs for returning the repaired product and/or delivery of the product supplied in replacement of the faulty/defective one is always the responsibility of the customer, and goods are always their liability during transport.

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9. Claims for Product Defects/Faults/Lack of Quality

9.1. Claims and/or complaints regarding product faults, defects or lack of quality, pursuant to the deadlines laid out by the regulations cited in article 8, shall be addressed solely to the seller's sales and marketing department by completing all parts of the dedicated "CLAIM REQUEST FORM", which can be downloaded from the following link https://pim.ivar-group.com/short/Claim_request_form.

For correct and rapid management of the claim, it is essential that detailed information on the claimed faults/defects and/or lack of quality be provided.

9.2. In the event that the products returned to the seller are not found to exhibit the faults/defects or lack of quality claimed by the customer, the latter shall pay the seller 10% of the value of the goods by way of reimbursement of the expenses deriving from management of the claim procedure.

9.3. Any claims and/or complaints with regard to faults/defects or lack of quality of the product shall not give the purchaser the right to delay or withhold any payments due.

10. Terms of Delivery and Return of Goods; Limitation of Liability

10.1. The delivery time agreed between the parties shall commence from the day after agreement is reached on every element of the contract and the seller has received all information required to fulfil the delivery. It shall nevertheless be understood that the delivery times specified in the seller's offers and/or in the order confirmations are purely provided as estimates and are not binding.

10.2. If an import licence is required by the purchaser's country, the delivery time shall run from when the seller receives written notification that the licence has been granted.

10.3. Delivery of the goods, even partial, may not be rejected by the purchaser; partial deliveries of goods do not give rise to the right by the purchaser to cancel the order.

10.4. No liability shall be borne by the seller, and nothing shall therefore be owed to the purchaser, in the event of delivery delays not due to the seller – for example in the event of delays caused by third parties, including suppliers and subcontracted suppliers, and force majeure events such as unrest, uprisings, strikes or lockouts, war, epidemics, closures, accidents or faults with machinery or tooling, fire, floods, landslides, earthquakes, heatwaves, climatic events and, more generally, any other event leading to total or partial inactivity of the seller's plants and production stoppages or slowdowns.

10.5. In any case, the purchaser may not make use of delivery delays to terminate the contract.

10.6. Notwithstanding the provisions of point 8 regarding warranties, the customer may not return delivered materials for any reason without the express written authorisation of the seller. In the event that return authorisation is received, the purchaser must return the material in accordance with the following provisions in order to have the right to reimbursement of the sums already paid:

- The material must not have been used by the purchaser and must be returned in the same condition in which the purchaser received it
- The material must be returned within two (2) weeks from the date of the purchase invoice
- The material must be returned to I.V.A.R. S.p.A. – by, at the expense of and at the risk of the purchaser – to its headquarters at Via IV Novembre 181, Prevalle (BS), Italy.

11. Termination and Suspension of the Supply

11.1. In the event of unexpected events, unforeseeable circumstances or force majeure (such as, solely by way of example, strikes or lockouts, lack of or reduced supplies of raw materials, transportation difficulties, war or insurrection, interruptions in communications however they are caused, faults with the seller's systems etc.), the seller shall have the right to withdraw from this agreement and/or to suspend the supply in progress when such unexpected events, however they may occur, substantially alter the state of the markets, currency values, the conditions of Italian industry, or else other circumstances, even local or internal, occur which, in the seller's sole unquestionable judgement, do not allow the useful continuance of the supply relationship.

11.2. In the event of non-payment, even partial, of invoices issued by the seller, even when relating to previous and completed supplies of products, the seller reserves the right to suspend the supply of products relating to the order confirmations currently being fulfilled.

11.3. In any case, in accordance with these general contractual conditions, withdrawal from the contract and or suspension of the supply of materials shall not give rise to any right of the purchaser to compensation, reimbursement or payment of damages.

12. Intellectual Property Rights – Use of the I.V.A.R. Brand

12.1. Any technical drawing or document relating to the seller's products, even if forwarded to the purchaser, remains the exclusive property of the seller and may not be used by the purchaser or copied, reproduced, transmitted or communicated to third parties without the prior written authorisation of the seller.

12.2. Any use of the I.V.A.R. brand by the purchaser must be authorised in advance by the seller in writing, otherwise damages shall be sought for undue use of the brand.

13. Applicable Legislation. Jurisdiction.

13.1. This contract, even if entered into with foreign purchasers and/or when the products are supplied to a foreign location, shall be regulated by Italian law. This contract excludes the application of the Hague Convention relating to the Uniform Law on the International Sale of Goods, the United Nations Convention on Contracts for the International Sale of Goods and all other international conventions relating to the sale of goods and/or the procurement of work and services.

13.2. Any dispute relating to this contract and its interpretation and/or performance shall be subject to the sole jurisdiction of Italian law, and more specifically to the court of Brescia, Italy.

14. Privacy

14.1. The purchaser hereby consents to the processing of their personal data, and confirms that they have received the privacy policy drafted in accordance with multiple legislative provisions, including Articles 13 and 14 of Regulation (EU) 2016/679, which can be consulted at the following link: https://pim.ivar-group.com/short/Client_supplier_Privacy.

14.2. The Controller for data processing purposes is the company I.V.A.R. S.p.A., with registered office at Via IV Novembre 181, Prevalle (BS), Italy.

14.3. The purchaser may exercise their rights at any time by contacting the Controller directly via email at notifiche.gdpr@ivar.it

14.4. Providing data is mandatory for the purposes of contract fulfilment and to comply with accounting and tax obligations; refusal to supply data will render fulfilment of the contract impossible due to the purchaser's fault.

14.5. Personal data may be transferred, in addition to parties linked to I.V.A.R. S.p.A. (e.g. employees, agents, brokers, branch/subsidiary offices etc.), to banks, insurance companies and, more generally, to the company's consultants/professionals.

15. Communications

With the exception of anything otherwise provided for in the other general conditions of sale, all communications between the parties must be made in writing and sent to the destination address specified in the contract, or to the recipient's registered office via registered letter with return receipt, telefax, email, "certified email (P.E.C.)" or hand-delivered letter.

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1. Avant-propos

1.1. Les contrats de vente conclus par I.V.A.R. S.p.A. (ci-après également « vendeur ») dans l'exercice de ses activités commerciales sont régis par les présentes conditions générales de vente, sauf dérogations convenues par écrit et approuvées par le service commercial du vendeur.

1.2. Le cas échéant, les conditions générales de l'acheteur, notamment les conditions d'achat, ne s'appliquent pas aux contrats de vente conclus par le vendeur à moins qu'elles n'aient été expressément acceptées par écrit par le service commercial du vendeur ; dans ce cas, toutefois, sauf dérogation écrite, ces conditions n'excluent pas l'efficacité des présentes conditions générales de vente.

1.3. La nullité et/ou l'inefficacité d'une ou de plusieurs dispositions des présentes conditions générales de vente n'a pas de conséquence sur la validité du contrat dans son ensemble.

1.4. Les présentes conditions générales de vente sont considérées comme intégralement lues et acceptées par l'acheteur lors de la passation de la commande.

2. Formation du contrat et son exécution

2.1. Les commandes et/ou les engagements pris par les représentants, agents et/ou autres auxiliaires du vendeur pour le vendeur ; il en découle que toutes les commandes traitées par lesdits représentants, agents et auxiliaires ne deviennent valables et effectives qu'après confirmation écrite par le service commercial du vendeur.

2.2. Toute modification de la commande n'est valable et n'engage le vendeur que si elle a été préalablement approuvée par écrit par le service commercial du vendeur.

2.3. L'exécution du contrat peut être suspendue à tout moment en cas de modification de la situation financière de l'acheteur, conformément à l'art. 1461 du Code civil italien, sans préjudice de dommages-intérêts. Le vendeur a le droit d'exiger, même pendant l'exécution du contrat, des garanties de paiement appropriées. La non-présentation des garanties exigées, constitue un motif de résiliation du contrat conformément à l'article 1456 du Code civil italien.

3. Catalogues et listes de prix

3.1. Les données, les mesures, les articles, les prix, les caractéristiques, les performances et toutes les autres données figurant dans les catalogues, listes de prix, prospectus, circulaires, etc. du vendeur ne sont qu'indicatifs ; ils peuvent être modifiés sans préavis et n'engagent le vendeur que s'ils sont expressément indiqués dans l'acceptation/confirmation de commande.

3.2. Les listes de prix du vendeur ne constituent pas une offre ; elles sont purement indicatives et peuvent être modifiées unilatéralement par le vendeur sans préavis.

3.3. Sauf convention contraire, les prix s'entendent normalement « départ usine du vendeur – exw », emballage inclus. Par conséquent, les taxes, impôts et droits en vigueur au moment de la livraison sont à la charge de l›acheteur. Les prix ne comprennent pas les services ou les frais non mentionnés.

3.4. Les frais d'assurance de la marchandise sont à la charge de l'acheteur, ainsi que les frais et droits de douane dus à un retard de dédouanement ou à toute autre cause.

4. Modes de paiement ; déchéance du bénéfice du terme ; résiliation unilatérale ; intérêts moratoires ; acceptation de la facture et reconnaissance de dette.

4.1. Sauf dérogation écrite, tous les paiements doivent être effectués au siège du vendeur et en euros. Les traites ou autres moyens de paiement convenus n'impliquent en aucun cas des modifications ou des dérogations à cette règle.

4.2. Les prix indiqués sur la liste de prix du vendeur s'entendent hors TVA, qui, le cas échéant, sera calculée au taux en vigueur à la date d'émission de la facture.

4.3. Pour chaque jour de retard par rapport au délai de paiement convenu, des intérêts moratoires sont facturés conformément au décret législatif italien n° 231/2002.

4.4. En cas de paiement différé/échelonné du montant de la facture, le non-respect d'un délai de paiement entraîne automatiquement la déchéance du bénéfice du terme, l'exigibilité immédiate de la totalité du montant et l'application d'intérêts moratoires conformément au décret législatif n ° 231/2002.

4.5. En cas de faillite de l'acheteur ou si celui-ci fait l'objet d'une procédure d'insolvabilité, ainsi qu'en cas de procédures d'exécution et/ou de protêt à son encontre, les dettes de l'acheteur sont réputées immédiatement exigibles et le vendeur est en droit, conformément à l'article 1373 du Code civil italien, de résilier le contrat par lettre recommandée avec accusé de réception ou par courrier électronique certifié (P.E.C.).

4.6. Si un règlement par effet de commerce est convenu, les intérêts d'escompte ainsi que les frais et commissions y afférents sont à la charge de l'acheteur ; les intérêts sont calculés au taux de l'intérêt légal majoré de trois points. En cas de non-paiement ou de non-acceptation d'un effet de commerce, les sommes dues deviennent immédiatement exigibles quelles que soient les conditions convenues antérieurement.

4.7. Passé un délai de dix (10) jours après la réception de la facture, l'absence de contestation écrite de la part de l'acheteur, à adresser au service commercial du vendeur, quant au montant de la somme d'argent qui y est indiquée, implique la reconnaissance par le client de la dette découlant de ladite facture conformément à l'art. 1988 du Code civil italien.

5. Mise à disposition « départ usine du vendeur – exw » et expédition de la marchandise

Le vendeur communiquera à l'acheteur, par lettre et/ou télégramme et/ou télécopie et/ou courriel et/ou courrier électronique certifié (P.E.C.), la date de mise à disposition de la marchandise dans l'usine du vendeur. Si l'acheteur n'enlève pas la marchandise dans les locaux du vendeur dans les dix (10) jours suivant ladite communication, le vendeur expédiera la marchandise au domicile de l'acheteur indiqué par ce dernier dans le bon de commande. En cas de retard d'expédition indépendant de la volonté du vendeur, celui-ci peut de plein droit facturer à l'acheteur les frais de stockage, d'entretien, de garde et d'assurance de la marchandise.

6. Livraison et transfert des risques

La marchandise est livrée « départ usine du vendeur – exw ». Toute responsabilité du vendeur cesse dès la remise de la marchandise à l›acheteur ou au transporteur ; il s›ensuit que le matériel voyage aux risques et périls de l›acheteur. En tout état de cause, dans les cas où, en vertu d›accords spécifiques pris avec l'acheteur, le matériel est vendu « rendu au lieu de destination convenu - DAP », aucune réclamation pour vol, dommage ou altération n'est acceptée. Tout accord avec les transitaires, y compris le montant et le paiement du prix du transport, s'entend toujours conclu au nom et pour le compte de l'acheteur, qui, d'ores et déjà, accepte et ratifie les actions du vendeur.

7. Transport et emballage ; responsabilité pour pertes et avaries

7.1. En règle générale, la prise en charge du transport du matériel depuis l'usine du vendeur jusqu'au lieu de destination incombe à l'acheteur, sauf accord contraire indiqué dans la confirmation de commande. En tout état de cause, les frais de transport sont à la charge de l'acheteur. L'acheteur assume tous les risques inhérents au transport dès la remise du matériel au transporteur ou au voiturier, même en cas de réserve de propriété.

7.2. Le vendeur se chargera de l'emballage selon les règles d'usage. Toutefois, le vendeur est exonéré de toute responsabilité pour les pertes et dommages qui ne relèvent pas d'une faute dolosive ou lourde du vendeur et qui ne sont pas une conséquence directe et immédiate de son comportement. Pour les emballages spéciaux, un supplément tarifaire est facturé tel qu'indiqué dans la liste de prix, le cas échéant, ou dans la confirmation de commande.

8. Garantie légale

8.1. En cas de vente à un client non-consommateur (selon la définition de « Consommateur » donnée au point 8.2.), seules les règles visées à l'art. 1490 et suivants du Code civil italien en matière de garantie contre les vices s'appliquent.

8.2. Si l'utilisateur final du produit commercialisé par le vendeur peut être qualifié de consommateur, la garantie pour les dommages causés par un produit défectueux, prévue par le décret législatif italien n° 206 du 6 septembre 2005, partie IV, titre III, chapitre I et ses modifications et ajouts ultérieurs s'applique également en faveur d'un consommateur résidant en Italie. En vertu de l'art. 2 de la directive UE n° 2019/771, on entend par « consommateur » toute personne physique qui, en ce qui concerne les contrats relevant de la présente directive, agit à des fins qui n'entrent pas dans le cadre de son activité commerciale, industrielle, artisanale ou libérale. Si le Consommateur réside dans un autre État membre de l'UE, ledit Consommateur bénéficie du droit de garantie prévu en vertu de l'éventuelle législation nationale différente qui lui est applicable en matière de vente de biens de consommation, adoptée en application de la Directive UE n° 2019/771 telle que modifiée et complétée. Le consommateur résidant ou domicilié dans des pays hors UE bénéficie d'un droit de garantie en vertu de toute autre législation impérative territorialement applicable en matière de vente de biens de consommation.

8.3. Le vendeur ne peut être tenu responsable des dysfonctionnements ou des défauts imputables à une installation, une utilisation ou un entretien non conformes/incorrects des produits achetés par rapport aux prescriptions figurant dans la notice d'instructions et/ou sur les étiquettes d'avertissement éventuelles. La garantie légale ne couvre pas toutes les pièces considérées « consommables » et/ou soumises à l'usure normale et sera nulle si les causes de la défaillance sont imputables à des accidents, à une mauvaise utilisation, à une négligence, à une utilisation non conforme ou à une utilisation en dehors du cadre de la fourniture et, plus généralement, à tout défaut imputable à une faute ou, en tout état de cause, à des activités sur le produit, opérées par le client sans l'accord écrit du vendeur. Le vendeur ne répond pas des frais de démontage, de transport, de remontage, de réinstallation ou d'essai des produits couverts par la présente garantie.

8.4. Retour des produits et réparation/remplacement : les produits présentant des vices ou des défauts doivent être retournés au vendeur. Dans la mesure du possible, les produits sous garantie seront réparés. Si, toutefois, la réparation n'est pas possible ou n'est pas économiquement viable, le vendeur s'engage à remplacer le produit par un nouveau produit du même type. Les frais de renvoi du produit réparé et/ou de livraison du produit remplaçant le produit défectueux sont toujours à la charge du client et la marchandise voyage toujours aux risques et périls de celui-ci.

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9. Réclamations pour vices/défauts/manque de qualité des produits

9.1. Toute réclamation et/ou contestation concernant des vices ou un manque de qualité du produit, dans le respect des délais prévus par la réglementation visée à l'art. 8, doit être adressée exclusivement au service commercial du vendeur en remplissant intégralement le formulaire « RÉCLAMATIONS » qui peut être téléchargé à partir du lien suivant https://pim.ivar-group.com/short/Claim_request_form.

Pour un traitement correct et rapide de la réclamation, il est indispensable de fournir des informations détaillées sur les vices/défauts et/ou le manque de qualité dénoncés.

9.2. Si les produits retournés au vendeur ne présentent pas les vices et/ou le manque de qualité dénoncés par le client, celui-ci devra verser au vendeur une somme forfaitaire à hauteur de 10 % de la valeur de la marchandise à titre de remboursement des frais liés au traitement de la procédure de réclamation.

9.3. Toute réclamation et/ou contestation concernant les vices et/ou le manque de qualité du produit n'autorise pas l'acheteur à omettre ou à retarder les paiements de la fourniture.

10. Délais de livraison et de retour de la marchandise ; limitation de responsabilité

10.1. Le délai de livraison convenu entre les parties court à compter du lendemain du jour où un accord est intervenu sur chaque élément du contrat et où toutes les informations nécessaires à l'exécution de la livraison ont été reçues par le vendeur. En tout état de cause, il est entendu que les délais de livraison indiqués dans les offres du vendeur et/ou dans les confirmations de commande sont purement indicatifs et non contraignants.

10.2. Si une licence d'importation est requise par le pays de l'acheteur, le délai de livraison court à compter du moment où le vendeur a été informé par écrit de la délivrance de la licence.

10.3. La livraison de la marchandise, même partielle, ne peut pas être refusée par l'acheteur ; les livraisons partielles de marchandises n'autorisent pas l'acheteur à annuler la commande.

10.4. Aucune responsabilité n'est imputable au vendeur, et rien n'est donc dû à l'acheteur, lorsque le retard de livraison n'est pas imputable au vendeur – par exemple, en cas de retards de tiers, y compris les fournisseurs et les sous-traitants, de force majeure telle que mouvements populaires, émeutes, grèves ou lock-out, guerres, épidémies, fermetures, accidents ou défaillances de machines ou d'outillages, incendies, effondrements, inondations, tremblements de terre, températures excessives, événements météorologiques et, d'une manière générale, tout autre cas entraînant l'inactivité totale ou partielle des usines du vendeur et l'arrêt ou le ralentissement de la production.

10.5. En tout état de cause, l'acheteur ne peut invoquer le retard de livraison pour résilier le contrat.

10.6. Sans préjudice des dispositions du point 8. en matière de garantie, l'acheteur ne peut retourner le matériel qui lui a été livré, pour quelque raison que ce soit, sans l'accord exprès et écrit du vendeur. Si le vendeur donne son accord, l'acheteur, pour avoir droit au remboursement du prix d'achat déjà payé, devra retourner le matériel selon les modalités suivantes :

- le matériel ne doit pas avoir été utilisé par l'acheteur et doit être retourné dans le même état qu'au moment de sa réception ;
- le matériel doit être retourné dans les quinze (15) jours suivant la date de la facture d'achat ;
- le matériel doit être retourné à I.V.A.R. S.p.A. - aux soins, frais et risques de l'acheteur - auprès du siège de Prevalle (BS), via IV Novembre, 181.

11. Résiliation et suspension de la fourniture

11.1. En cas d'événements imprévus, de force majeure et de cas fortuits (tels que, à titre d'exemple, les grèves ou les lock-out, le manque ou la réduction de l'approvisionnement en matières premières, les difficultés de transport, les guerres, les insurrections, les interruptions de communication quelle qu'en soit la cause, les pannes des équipements du vendeur, etc.), le vendeur est en droit de résilier le présent contrat et/ou de suspendre la fourniture en cours lorsque ces événements imprévus, où qu'ils se produisent, modifient de manière substantielle l'état des marchés, la valeur de la monnaie, les conditions de l'industrie italienne, ou que se produisent des circonstances, y compris endogènes, qui, à la seule discrétion du vendeur, ne permettent pas la poursuite utile de la relation de fourniture.

11.2. En cas de non-paiement, même partiel, des factures émises par le vendeur, y compris celles relatives à des fournitures de produits antérieures et déjà effectuées, le vendeur se réserve le droit de suspendre les fournitures de produits relatives aux confirmations de commande en cours d'exécution.

11.3. En tout état de cause, tel que prévu par les présentes conditions générales de vente, de résiliation du contrat et/ou de suspension de la fourniture de matériel, l'acheteur ne pourra prétendre à aucune sorte d'indemnité, de compensation, de remboursement ni de dommages-intérêts.

12. Droits de propriété intellectuelle – Utilisation de la marque I.V.A.R.

12.1. Tout dessin ou document technique relatif aux produits du vendeur, même confié à l'acheteur, demeure la propriété exclusive du vendeur et ne peut être utilisé par l'acheteur ni copié, reproduit, transmis ou communiqué à des tiers sans l'autorisation écrite préalable du vendeur.

12.2. Toute utilisation de la marque I.V.A.R. par l'acheteur doit faire l'objet d'une autorisation préalable et écrite du vendeur, sous peine de dommages-intérêts pour utilisation indue de la marque.

13. Droit applicable. Juridiction. Tribunal compétent.

13.1. Le contrat, même s'il est conclu avec des acheteurs de nationalité étrangère et même s'il s'agit de biens fournis à l'étranger, est régi par la loi italienne. L'application de la Convention de La Haye portant loi uniforme sur la vente internationale de marchandises, de la Convention des Nations unies sur les contrats de vente internationale des objets mobiliers corporels et de toutes les autres conventions internationales en matière de vente de marchandises et/ou de marchés de travaux et de services est exclue.

13.2. Tout litige concernant le présent contrat, son interprétation et/ou son exécution est soumis à la seule juridiction italienne et relève de la compétence territoriale exclusive du tribunal de Brescia.

14. Politique de confidentialité

14.1. L'acheteur donne son consentement au traitement de ses données à caractère personnel, reconnaissant avoir reçu notre politique de confidentialité élaborée à partir de multiples ordonnances législatives, notamment les articles 13 et 14 du règlement (UE) 2016/679, qui peut être consultée ici https://pim.ivar-group.com/short/Client_supplier_Privacy.

14.2. Le responsable du traitement des données de l'acheteur est la société I.V.A.R. S.p.A., dont le siège social est sis à Prevalle (BS), Via IV Novembre, 181.

14.3. L'acheteur peut exercer ses droits à tout moment en s'adressant directement au responsable du traitement des données à l'adresse e-mail notifiche.gdpr@ivar.it

14.4. La fourniture des données est obligatoire pour donner suite à l'exécution du contrat et pour remplir les obligations comptables et fiscales ; tout refus de fournir ces données entraînera l'inexécution du contrat aux torts de l'acheteur.

14.5. Les données à caractère personnel pourront être communiquées, outre aux sujets liés à la société I.V.A.R. S.p.A. (par ex., salariés, agents, rabatteurs d'affaires, filiales et/ou sièges secondaires, etc.), à des banques, à des compagnies d'assurances et, en général, à des consultants et/ou à des professionnels de ladite société.

15. Communications

Sauf stipulation différente mentionnée dans les autres conditions générales de vente, toute communication entre les parties doit être faite par écrit et envoyée à l'adresse du destinataire indiquée dans le contrat ou au siège social du destinataire par lettre recommandée avec accusé de réception, télécopie, courriel, courrier électronique certifié (P.E.C.) ou remise en main propre.

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1. Vorbemerkungen

1.1. Diese Allgemeinen Geschäftsbedingungen gelten für die von der I.V.A.R. S.p.A. (in weiterer Folge auch „Verkäufer" genannt) im Rahmen ihrer Geschäftstätigkeit geschlossenen Kaufverträge, sofern keine anderslautenden Vereinbarungen getroffen wurden, die von der Vertriebsabteilung des Verkäufers genehmigt wurden.

1.2. Eventuelle Allgemeine Geschäftsbedingungen des Käufers – insbesondere Einkaufsbedingungen – gelten nicht für die vom Verkäufer geschlossenen Kaufverträge, es sei denn, sie wurden von der Vertriebsabteilung des Verkäufers ausdrücklich schriftlich angenommen; in diesem Fall bleiben jedoch diese Allgemeinen Geschäftsbedingungen weiterhin wirksam, sofern keine anderslautende schriftliche Vereinbarung getroffen wurde.

1.3. Die eventuelle Nichtigkeit und/oder Unwirksamkeit einer oder mehrerer Bestimmungen dieser Allgemeinen Geschäftsbedingungen haben keine Auswirkungen auf die Gültigkeit des Vertrags in seiner Gesamtheit.

1.4. Mit Tätigung der Bestellung erkennt der Käufer diese Allgemeinen Geschäftsbedingungen vollinhaltlich an.

2. Zustandekommen und Erfüllung des Vertrags

2.1. Die von Handelsvertretern, Agenten und/oder anderen Erfüllungsgehilfen des Verkäufers übernommen Bestellungen und/oder Verpflichtungen sind für den Verkäufer in keiner Weise bindend; alle von den genannten Handelsvertretern, Agenten und Erfüllungsgehilfen abgewickelten Bestellungen sind daher nur dann gültig und wirksam, wenn sie von der Vertriebsabteilung des Verkäufers schriftlich bestätigt wurden.

2.2. Jede Änderung der Bestellung ist nur dann gültig und für den Verkäufer bindend, wenn sie von der Vertriebsabteilung des Verkäufers schriftlich genehmigt wurde.

2.3. Die Erfüllung des Vertrags kann gemäß Art. 1461 des italienischen Zivilgesetzbuches (Codice Civile) jederzeit ausgesetzt werden, wenn sich die Vermögenslage des Käufers ändert; davon unberührt bleibt das Recht auf Schadensersatz. Der Verkäufer ist berechtigt, auch im Zuge der Vertragserfüllung angemessene Zahlungsgarantien zu verlangen. Die Nichtleistung der verlangten Garantien stellt einen Grund für die Aufhebung des Vertrags gemäß Art. 1456 Codice Civile dar.

3. Kataloge und Preislisten

3.1. Die Daten, Maße, Artikel, Preise, Eigenschaften und Leistungsmerkmale sowie alle anderen Daten, die in den Katalogen, Preislisten, Prospekten, Rundschreiben usw. des Verkäufers angegeben sind, haben Richtwertcharakter; sie können ohne vorherige Ankündigung geändert werden und sind für den Verkäufer nur dann bindend, wenn sie ausdrücklich in der Auftragsannahme/-bestätigung angegeben sind.

3.2. Die Preislisten des Verkäufers stellen kein Angebot dar; sie dienen lediglich zur Orientierung und können vom Verkäufer einseitig und ohne Vorankündigung geändert werden.

3.3. Die Preise gelten in der Regel „ab Werk des Verkäufers – EXW", einschließlich Verpackung, sofern nichts anderes vereinbart wurde. Daher gehen die zum Zeitpunkt der Übergabe geltenden Steuern, Abgaben und Gebühren zulasten des Käufers. Nicht in den Preisen enthalten sind unerwähnt gebliebene Leistungen oder Aufwendungen.

3.4. Die Kosten für die Versicherung der Ware sowie eventuelle Kosten und Zollgebühren, die durch Verzögerungen bei der Zollabfertigung oder aus anderen Gründen anfallen, gehen zulasten des Käufers.

4. Zahlungsbedingungen; vorzeitige Fälligstellung; Rücktritt durch einseitige Erklärung; Verzugszinsen; Annahme der Rechnung und Schuldanerkenntnis.

4.1. Sofern schriftlich nichts anders vereinbart wurde, müssen alle Zahlungen am Sitz des Verkäufers und in Euro erfolgen. Bei Tratten oder anderen vereinbarten Zahlungsmitteln ergeben sich in keiner Weise Änderungen oder Abweichungen zu dieser Bestimmung.

4.2. Die in der Preisliste des Verkäufers genannten Preise verstehen sich ohne Mehrwertsteuer; diese wird, falls anwendbar, mit dem zum Zeitpunkt der Rechnungsstellung geltenden Satz berechnet.

4.3. Bei Zahlungsverzug fallen jeden Tag Verzugszinsen gemäß dem gesetzesvertretenden Dekret (D. lgs.) Nr. 231/2002 an.

4.4. Bei Zahlungsaufschub/Ratenzahlung des Rechnungsbetrags führt die Nichteinhaltung einer Zahlungsfrist automatisch zum Verlust der Fristbegünstigung, d. h. zur sofortigen Fälligstellung des gesamten Betrags, und zur Berechnung von Verzugszinsen gemäß D. lgs. Nr. 231/2002.

4.5. Im Fall einer Insolvenz des Käufers oder der Eröffnung eines Insolvenzverfahrens gegen diesen sowie im Fall der Zwangsvollstreckung und/oder des Protests gegen den Käufer werden die Schulden des Käufers sofort fällig gestellt und der Verkäufer ist gemäß Art. 1373 Codice Civile berechtigt, den Vertrag per Einschreiben mit Rückschein oder zertifizierter E-Mail (P.E.C.) aufzuheben.

4.6. Falls eine Zahlung mit Wechsel vereinbart wurde, gehen sowohl die Diskontzinsen als auch die damit verbundenen Kosten und Gebühren zulasten des Käufers; die Zinsen werden in Höhe von drei Prozentpunkten über dem offiziellen Diskontsatz berechnet. Bei Nichtzahlung oder Nichtannahme eines Wechsels werden die geschuldeten Beträge unabhängig von den im Vorfeld vereinbarten Bedingungen sofort fällig gestellt.

4.7. Wenn der Käufer nicht innerhalb von zehn (10) Tagen ab Erhalt der Rechnung einen schriftlichen Widerspruch bezüglich der Höhe der Rechnung an die Vertriebsabteilung des Verkäufers übermittelt, gilt dies als Schuldanerkenntnis des Kunden gemäß Art. 1988 Codice Civile in Bezug auf die genannte Rechnung.

5. Bereitstellung „ab Werk des Verkäufers – EXW" und Versand der Ware

Der Verkäufer teilt dem Käufer per Brief und/oder Telegramm und/oder Fax und/oder E-Mail und/oder zertifizierter E-Mail (P.E.C.) das Datum der Bereitstellung der Ware im Werk des Verkäufers mit. Wenn der Käufer nicht innerhalb von zehn (10) Tagen ab der oben genannten Mitteilung für die Abholung der Ware im Werk des Verkäufers sorgt, versendet der Verkäufer die Ware an die vom Käufer in der Bestellung angegebene Adresse. Im Fall eines Lieferverzugs, der nicht auf eigenes Verschulden zurückzuführen ist, ist der Verkäufer berechtigt, dem Käufer die eventuellen Kosten für die Lagerung, Wartung, Verwahrung und Versicherung der Ware in Rechnung zu stellen.

6. Übergabe und Gefahrübergang

Die Übergabe des Materials erfolgt „ab Werk des Verkäufers – EXW". Jede Haftung des Verkäufers erlischt mit der Übergabe an den Käufer oder den Frachtführer; der Transport des Materials erfolgt daher auf Risiko und Gefahr des Käufers. Wenn der Verkauf des Materials aufgrund von besonderen Vereinbarungen mit dem Käufer „frei Haus – DAP" erfolgt, werden jedenfalls keine Beanstandungen wegen eventueller Diebstähle, Beschädigungen oder Manipulationen anerkannt. Eventuelle Vereinbarungen mit Frachtführern, einschließlich solcher betreffend die Höhe und Zahlung des Beförderungsentgelts, gelten immer als im Namen und Auftrag des Käufers geschlossen; dieser erkennt die Handlungen des Verkäufers mit sofortiger Wirkung an und erklärt sich damit einverstanden.

7. Transport und Verpackung; Haftung für Verluste und Schäden

7.1. Die Kosten für die Abwicklung des Materialtransports vom Werk des Verkäufers zum Bestimmungsort gehen normalerweise zulasten des Käufers, sofern nichts anderes laut Auftragsbestätigung vereinbart wurde. Die Transportkosten gehen in jedem Fall zulasten des Käufers. Der Käufer trägt alle Risiken im Zusammenhang mit dem Transport ab der Übergabe des Materials an den Transportunternehmer oder Frachtführer; dies gilt auch im Fall eines Eigentumsvorbehalts.

7.2. Der Verkäufer sorgt für die fachgerechte Verpackung. Der Verkäufer haftet jedoch in keinem Fall für Verluste und Schäden, die nicht auf Vorsatz oder grober Fahrlässigkeit des Verkäufers beruhen und die nicht direkte und unmittelbare Folge seines Handelns sind. Für bestimmte Arten von Verpackungen werden gegebenenfalls die Zusatzkosten gemäß Preisliste oder Auftragsbestätigung in Rechnung gestellt.

8. Gewährleistung

8.1. Im Fall des Verkaufs an Kunden, die keine Verbraucher sind (siehe die Begriffsbestimmung für „Verbraucher" in Punkt 8.2.), gelten ausschließlich die Bestimmungen des italienischen Zivilgesetzbuches (Codice Civile) in Bezug auf die Gewährleistung für Mängel gemäß Art. 1490 ff. Codice Civile.

8.2. Wenn der Endnutzer des vom Verkäufer vertriebenen Produkts als Verbraucher eingestuft werden kann, gilt darüber hinaus auch die Gewährleistung für Produktfehler gemäß D. Lgs. Nr. 206 vom 6. September 2005, Teil IV, Titel III, Abschnitt I, i. d. g. F., wenn der Verbraucher in Italien ansässig ist. Gemäß Art. 2 der Richtlinie (EU) 2019/771 ist unter „Verbraucher" jede natürliche Person zu verstehen, die in Bezug auf von dieser Richtlinie erfasste Verträge zu Zwecken handelt, die außerhalb ihrer gewerblichen, geschäftlichen, handwerklichen oder beruflichen Tätigkeit liegen. Wenn der Verbraucher in einem anderen EU-Mitgliedsstaat ansässig ist, hat dieser Verbraucher Anspruch auf Gewährleistung gemäß der eventuellen anderen nationalen Rechtsvorschrift, die auf ihn anwendbar ist, für den Verkauf von Verbrauchsgütern gilt und zur Umsetzung der Richtlinie (EU) 2019/771 i. d. g. F. erlassen wurde. Wenn der Verbraucher in einem Drittstaat ansässig oder wohnhaft ist, hat er Anspruch auf Gewährleistung gemäß den eventuellen anderen Vorschriften, die im jeweiligen Staat für den Verkauf von Verbrauchsgütern gelten.

8.3. Der Verkäufer kann nicht für Fehlfunktionen oder Fehler haftbar gemacht werden, die auf eine nicht ordnungsgemäße/falsche Installation, Verwendung oder Wartung der gekauften Produkte unter Missachtung der Bedienungsanleitung und/oder eventueller Warnschilder zurückzuführen sind. Die Gewährleistung gilt nicht für die üblichen Verbrauchs- und/oder Verschleißteile und erlischt, wenn der Ausfall auf einen Unfall, eine Fehlanwendung, eine Nachlässigkeit, eine unsachgemäße Verwendung oder eine Verwendung außerhalb des Lieferumfangs zurückzuführen ist, sowie im Allgemeinen im Fall von jeglichen Fehlern, die auf ein Verschulden oder jedenfalls auf Handlungen des Kunden am Produkt zurückzuführen sind, die ohne schriftliche Zustimmung des Verkäufers erfolgt sind. Der Verkäufer haftet nicht für Kosten für die Demontage, den Transport, den Wiedereinbau, die Neuinstallation oder die Prüfung der Produkte, die unter die gegenständliche Gewährleistung fallen.

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8.4. Rücknahme der Produkte und Reparatur/Austausch: Mangelhafte/fehlerhafte Produkte müssen an den Verkäufer zurückgegeben werden. Von der Gewährleistung abgedeckte Produkte werden, soweit möglich, repariert. Wenn jedoch die Reparatur nicht möglich ist oder unwirtschaftlich wäre, verpflichtet sich der Verkäufer, das Produkt gegen ein neues Produkt des gleichen Typs auszutauschen. Die Kosten für die Rückgabe des reparierten Produkts und/oder die Übergabe des Ersatzprodukts für das mangelhafte/fehlerhafte Produkt gehen immer zulasten des Kunden und der Transport der Ware erfolgt stets auf dessen Gefahr.

9. Rüge von Mängeln/Fehlern/Qualitätsabweichungen der Produkte

9.1. Rügen und/oder Beanstandungen von Mängeln oder Qualitätsabweichungen des Produkts sind gemäß den Bestimmungen aus Art. 8 ausschließlich an die Vertriebsabteilung des Verkäufers zu übermitteln; dafür muss das entsprechende Formular mit der Bezeichnung „MÄNGELRÜGE" vollständig ausgefüllt werden, das online unter dem Link https://pim.ivar-group.com/short/Claim_request_form heruntergeladen werden kann.

Für eine korrekte und schnelle Bearbeitung der Rüge sind detaillierte Informationen über die beanstandeten Mängel/Fehler und/oder Qualitätsabweichungen zu übermitteln.

9.2. Wenn die an den Verkäufer zurückgegebenen Produkte nicht die vom Kunden gerügten Mängel und/oder Qualitätsabweichungen aufweisen, muss der Kunde dem Verkäufer einen Pauschalbetrag in Höhe von 10 % des Warenwerts als Kostenersatz für die Bearbeitung der Rüge zahlen.

9.3. Eventuelle Rügen und/oder Beanstandungen von Mängeln und/oder Qualitätsabweichungen des Produkts berechtigen den Käufer nicht zur Aussetzung oder zum Aufschub von Zahlungen für die Lieferung.

10. Fristen für die Übergabe und Rückgabe der Ware; Haftungsbeschränkung

10.1. Die zwischen den Parteien vereinbarte Übergabefrist beginnt mit dem auf die Einigung hinsichtlich aller Vertragsbestandteile und den Erhalt aller für die Ausführung der Lieferung erforderlichen Informationen seitens des Verkäufers folgenden Tag. Es wird jedenfalls vereinbart, dass die in den Angeboten des Verkäufers und/oder in den Auftragsbestätigungen genannten Übergabefristen lediglich als Richtwerte dienen und nicht bindend sind.

10.2. Wenn vom Land des Käufers eine Einfuhrgenehmigung verlangt wird, beginnt die Übergabefrist ab dem Zeitpunkt, an dem der Verkäufer schriftlich über die erfolgte Erteilung der Genehmigung informiert wurde.

10.3. Die Übergabe der Ware darf vom Käufer auch dann nicht abgelehnt werden, wenn sie teilweise erfolgt; Teilübergaben berechtigen den Käufer nicht zur Stornierung der Bestellung.

10.4. Der Verkäufer kann nicht haftbar gemacht werden und schuldet daher auch nichts dem Käufer, wenn der Verzug bei der Übergabe nicht dem Verkäufer zuzuschreiben ist; dies betrifft den Verzug Dritter, einschließlich Auftragnehmer und Unterauftragnehmer, Fälle höherer Gewalt, wie Mobilmachungen, Aufstände, Streiks oder Aussperrungen, Kriege, Epidemien, Schließungen, Unfälle oder Ausfälle von Maschinen oder Werkzeugen, Brände, Einstürze, Überschwemmungen, Erdbeben, Hitze und Wetterereignisse, sowie im Allgemeinen alle sonstigen Fälle, die zu einem vollständigen oder teilweisen Stillstand der Werke des Verkäufers und zu einer Unterbrechung oder Verzögerung der Produktion führen.

10.5. In jedem Fall darf der Käufer einen Verzug bei der Übergabe nicht als Grund für die Aufhebung des Vertrags geltend machen.

10.6. Vorbehaltlich der Bestimmungen aus dem Punkt 8 in Bezug auf die Gewährleistung darf der Kunde das ihm übergebene Material aus keinem Grund ohne ausdrückliche schriftliche Genehmigung des Verkäufers zurückgeben. Wenn die Genehmigung zur Rückgabe vorliegt, muss der Käufer das Material gemäß den folgenden Modalitäten zurückgeben, um Anspruch auf Rückerstattung des bereits bezahlten Kaufpreises zu haben:

- Das Material darf vom Käufer nicht verwendet worden sein und muss in demselben Zustand zurückgegeben werden, in dem es der Käufer erhalten hat.
- Das Material muss innerhalb von fünfzehn (15) Tagen ab dem Datum der Kaufrechnung zurückgegeben werden.
- Das Material muss auf Veranlassung, Kosten und Gefahr des Käufers an die I.V.A.R. S.p.A., Niederlassung Prevalle (BS), Via IV Novembre 181, zurückgegeben werden.

11. Rücktritt und Aussetzung der Lieferung

11.1. Bei unvorhergesehenen Ereignissen, höherer Gewalt und Zufall (wie beispielsweise Streiks oder Aussperrungen, fehlender oder unzureichender Versorgung mit Rohstoffen, Transportproblemen, Kriegen, Aufständen, Kommunikationsunterbrechungen jeglicher Ursache, Ausfällen der Anlagen des Verkäufers usw.) ist der Verkäufer berechtigt, von dieser Vereinbarung zurückzutreten und/oder die laufende Lieferung auszusetzen, wenn solche unvorhergesehenen Ereignisse unabhängig vom Ort des Auftretens den Zustand der Märkte, den Wert der Währung oder die Bedingungen für die italienische Industrie wesentlich beeinträchtigen oder – auch interne – Umstände eintreten, die nach dem ausschließlichen Ermessen des Verkäufers keine zweckmäßige Fortführung des Vertragsverhältnisses gestatten.

11.2. Bei Nichtbezahlung bzw. teilweiser Bezahlung der vom Verkäufer ausgestellten Rechnungen, auch wenn diese sich auf frühere und bereits durchgeführte Produktlieferungen beziehen, behält sich der Verkäufer das Recht vor, sich auf gerade ausgeführte, bestätigte Bestellungen beziehende Produktlieferungen auszusetzen.

11.3. In jedem in diesen Allgemeinen Geschäftsbedingungen vorgesehenen Fall des Rücktritts vom Vertrag und/oder der Aussetzung der Materiallieferung hat der Käufer keinen Anspruch auf Entschädigungen, Vergütungen, Rückerstattungen oder Schadensersatz.

12. Geistige Eigentumsrechte – Verwendung der Marke I.V.A.R.

12.1. Alle Zeichnungen oder technischen Unterlagen für die Produkte des Verkäufers verbleiben auch nach der Übergabe an den Käufer im alleinigen Eigentum des Verkäufers und dürfen vom Käufer ohne schriftliche Zustimmung des Verkäufers nicht verwendet oder vervielfältigt, reproduziert, an Dritte übertragen oder gegenüber Dritten offengelegt werden.

12.2. Jede Verwendung der Marke I.V.A.R. durch den Käufer muss im Vorfeld schriftlich vom Verkäufer genehmigt werden, andernfalls droht eine Schadensersatzforderung wegen widerrechtlicher Verwendung der Marke.

13. Anzuwendendes Recht. Rechtsordnung. Gerichtsstand.

13.1. Der Vertrag unterliegt auch dann italienischem Recht, wenn er mit ausländischen Käufern geschlossen wird und die Produkte ins Ausland geliefert werden. Die Anwendung des Haager Übereinkommens über das auf internationale Warenkaufverträge anwendbare Recht, des Übereinkommens der Vereinten Nationen über Verträge über den internationalen Warenkauf und aller sonstigen internationalen Übereinkommen über den Verkauf von Waren und/oder die Vergabe von Aufträgen und Dienstleistungen ist ausgeschlossen.

13.2. Sämtliche Streitigkeiten im Zusammenhang mit diesem Vertrag und seiner Auslegung und/oder Erfüllung unterliegen ausschließlich der italienischen Rechtsprechung, wobei als alleiniger Gerichtsstand Brescia vereinbart wird.

14. Datenschutz

14.1. Der Käufer gibt seine Einwilligung zur Verarbeitung der ihn betreffenden personenbezogenen Daten und bestätigt, dass er die Datenschutzerklärung erhalten hat, die auf der Grundlage verschiedener Rechtsvorschriften, einschließlich der Art. 13 und 14 der Verordnung (EU) 2016/679, erstellt wurde und unter dem folgenden Link abgerufen werden kann: https://pim.ivar-group.com/short/Client_supplier_Privacy.

14.2. Verantwortlich für die Verarbeitung der Daten des Käufers ist die Gesellschaft I.V.A.R. S.p.A. mit Sitz in Prevalle (BS), Via IV Novembre 181.

14.3. Der Käufer kann seine Rechte jederzeit direkt gegenüber dem Verantwortlichen unter der E-Mail-Adresse notifiche.gdpr@ivar.it geltend machen.

14.4. Die Bereitstellung der Daten ist erforderlich, um den Vertrag erfüllen zu können und den Buchführungs- und Steuerpflichten nachzukommen; eine eventuelle Weigerung, diese Daten bereitzustellen, führt dazu, dass der Vertrag durch Verschulden des Käufers nicht erfüllt werden kann.

14.5. Die personenbezogenen Daten können nicht nur Personen oder Stellen, die mit der Gesellschaft I.V.A.R. S.p.A. verbunden sind (z. B. Angestellten, Agenten, Vermittlern, Filialen und/oder Zweigniederlassungen usw.), sondern auch Banken, Versicherungsgesellschaften und ganz allgemein für die Gesellschaft tätigen Beratern und/oder Fachleuten offengelegt werden.

15. Korrespondenz

Unbeschadet anderslautender Bestimmungen in anderen Allgemeinen Geschäftsbedingungen müssen alle Mitteilungen zwischen den Parteien schriftlich erfolgen und an die im Vertrag angegebene Adresse des Empfängers bzw. an den Rechtssitz des Empfängers per Einschreiben mit Rückschein, Fax, E-Mail, zertifizierter E-Mail (P.E.C.) oder auf dem Wege der persönlichen Übergabe erfolgen.

I.V.A.R. S.p.A. reserves the right to make enhancements and changes to products and relative documentation at any time without prior notice. All rights reserved.

1. Premisas

1.1. Los contratos de venta celebrados por I.V.A.R. S.p.A. (en lo sucesivo también denominado el «Vendedor») en el desempeño de sus actividades comerciales se rigen por las presentes condiciones generales de contratación, salvo derogación acordada por escrito con la aprobación del Departamento Comercial del vendedor.

1.2. Las condiciones generales del comprador, y en particular las condiciones de compra, no se aplicarán a los contratos de venta celebrados por el vendedor, salvo aceptación expresa y por escrito del Departamento Comercial del vendedor; no obstante, en tal caso, salvo derogación por escrito, dichas condiciones no excluirán la eficacia de las presentes condiciones generales.

1.3. La posible invalidez y/o ineficacia de una o varias disposiciones de las presentes condiciones generales no afectará a la validez del contrato en su conjunto.

1.4. Al remitir su pedido se entenderá que el comprador ha leído y acepta íntegramente las presentes condiciones generales.

2. Formalización y ejecución del contrato

2.1. Los pedidos y/o compromisos realizados por representantes, agentes y/u otros auxiliares del vendedor no tendrán en modo alguno poder para vincular al vendedor; de ello se deduce que todos los pedidos tramitados por dichos representantes, agentes y auxiliares solo serán válidos y efectivos previa confirmación por escrito del Departamento Comercial del vendedor.

2.2. Cualquier cambio en el pedido solo será válido y vinculante para el vendedor con la aprobación previa y por escrito de su Departamento Comercial.

2.3. La ejecución del contrato podrá suspenderse en cualquier momento en caso de producirse cambios en la situación financiera del comprador, de conformidad con el artículo 1461 del Código Civil [italiano], salvo indemnización por daños y perjuicios. El vendedor tendrá derecho a exigir, también durante la ejecución del contrato, garantías de pago adecuadas. El incumplimiento de las garantías exigidas constituirá causa de resolución del contrato de conformidad con el artículo 1456 del Código Civil [italiano].

3. Catálogos y listas de precios

3.1. Los datos, medidas, artículos, precios, características, prestaciones y todos los demás datos reproducidos en los catálogos, listas de precios, folletos, circulares, etc. del vendedor tendrán carácter indicativo; podrán ser modificados sin previo aviso y solo serán vinculantes para el vendedor si se indican expresamente en la aceptación/confirmación del pedido.

3.2. Las listas de precios del vendedor no constituyen una oferta; son meramente indicativas y el vendedor puede modificarlas unilateralmente sin previo aviso.

3.3. Salvo pacto en contrario, los precios se entienden normalmente «entrega en fábrica (lugar convenido) del vendedor - exw», incluido el embalaje. Por lo tanto, los impuestos, derechos y tasas vigentes en el momento de la entrega correrán a cargo del comprador. Los precios no incluyen servicios ni gastos no mencionados.

3.4. Los gastos de seguro de la mercancía correrán a cargo del comprador, así como los gastos y derechos de aduana debidos por demora en el despacho de aduana u otras causas.

4. Condiciones de pago; pérdida del beneficio del plazo; rescisión unilateral; intereses de demora; aceptación de factura y reconocimiento de deuda.

4.1. A menos que se renuncie a ello por escrito, todos los pagos deberán efectuarse en la sede del vendedor y en la divisa euro. Las letras de cambio u otros medios de pago acordados no implicarán en modo alguno modificaciones o derogaciones de esta norma.

4.2. Los precios que figuran en la lista de precios del vendedor no incluyen el IVA que, en su caso, se calculará según el tipo vigente en el momento de la fecha de facturación.

4.3. Se cobrarán intereses de demora de conformidad con el Decreto Legislativo n.º 231/2002 por cada día de retraso con respecto al plazo de pago acordado.

4.4. En caso de pago aplazado/fraccionado del importe de la factura, el incumplimiento de un plazo de pago conllevará la pérdida automática del beneficio del plazo, el pago inmediato del importe total y el inicio de los intereses de demora de conformidad con el Decreto Legislativo n.º 231/2002.

4.5. En caso de quiebra o de admisión del comprador a un procedimiento de insolvencia, así como en caso de que el comprador sea objeto de un procedimiento de ejecución y/o de protesto, las deudas del comprador se considerarán inmediatamente exigibles y el vendedor tendrá derecho, de conformidad con el art. 1373 del Código Civil [italiano], a rescindir el contrato mediante el envío de una carta certificada con acuse de recibo o mediante el envío de correo electrónico certificado.

4.6. Si se acuerda una liquidación promisoria, tanto los intereses de descuento como los gastos y comisiones correspondientes correrán a cargo del comprador; los intereses se cobrarán al tipo oficial de descuento más tres unidades. En caso de impago o no aceptación de un pagaré, las sumas adeudadas serán inmediatamente exigibles con independencia de las condiciones previamente acordadas.

4.7. El transcurso de diez (10) días desde la recepción de la factura sin que el comprador formule objeción por escrito, que deberá dirigirse al Departamento Comercial del vendedor, sobre el importe de la suma de dinero indicada en la misma, implica el reconocimiento por parte del cliente de la deuda derivada de dicha factura de conformidad con el art. 1988 del Código Civil [italiano].

5. «Entrega en fábrica (lugar convenido) del vendedor - exw» y expedición de la mercancía

El vendedor notificará al comprador por carta y/o telegrama y/o telefax y/o correo electrónico y/o correo electrónico certificado la fecha en la que la mercancía estará disponible en la fábrica del vendedor. Si el comprador no recogiera la mercancía en las instalaciones del vendedor en el plazo de diez (10) días desde la mencionada notificación, el vendedor procederá al envío de la mercancía al domicilio del comprador especificado por éste en el pedido. En caso de retraso en el envío ajeno a su voluntad, el vendedor tendrá derecho a cobrar al comprador los gastos de almacenamiento, mantenimiento, custodia y seguro de la mercancía.

6. Entrega y transmisión de riesgos

La entrega del material se considera realizada «entrega en fábrica (lugar convenido) del vendedor - exw». Toda responsabilidad del vendedor cesa en el momento de la entrega al comprador o al transportista; de ello se deduce que el material viaja por cuenta y riesgo del comprador. En los casos en que, por acuerdo específico con el comprador, el material se venda «lugar de destino convenido - entrega en lugar (DAP)», no se aceptarán reclamaciones por robo, daños o manipulación. Cualquier acuerdo con los transportistas, incluido el importe y el pago del precio del transporte, se celebrará siempre en nombre y por cuenta del comprador, que por la presente acepta y ratifica las acciones del vendedor.

7. Transporte y embalaje; responsabilidad por pérdidas y daños

7.1. La gestión del transporte del material desde la planta del vendedor hasta el lugar de destino correrá normalmente a cargo del comprador, a menos que se acuerde otra cosa en la confirmación del pedido. En cualquier caso, los gastos de transporte correrán a cargo del comprador. El comprador asumirá todos los riesgos inherentes al transporte a partir de la entrega del material al transportista o porteador, incluso en caso de reserva de dominio.

7.2. El vendedor proporcionará el embalaje de acuerdo con las normas de uso. No obstante, el vendedor quedará exento de responsabilidad por las pérdidas y daños que no dependan de su dolo o negligencia grave y que no sean consecuencia directa e inmediata de su conducta. Para los tipos de embalaje especiales, se facturará el precio adicional indicado en la lista de precios, cuando se indique, o en la confirmación del pedido.

8. Garantía legal

8.1. En caso de venta a un cliente que no sea consumidor (en referencia a la definición de «Consumidor» que figura en el apartado 8.2.), solo se aplicarán las disposiciones del Código Civil italiano relativas a la garantía por defectos de conformidad con el artículo 1490 y siguientes del Código Civil [italiano].

8.2. En caso de que el usuario final del producto comercializado por el vendedor tenga la condición de consumidor, se aplicará también la garantía por daños causados por un producto defectuoso prevista en el Decreto Legislativo n.º 206 de 6 de septiembre de 2005, Parte IV, Título III, Capítulo I, modificado y completado en el caso de un consumidor residente en Italia. De conformidad con el art. 2 de la Directiva UE n.º 2019/771, se entenderá por «Consumidor» toda persona física que, en relación con los contratos regulados por la presente Directiva, actúa con un propósito ajeno a su actividad comercial, empresa, oficio o profesión. Si el Consumidor reside en otro Estado miembro de la UE, dicho Consumidor tendrá derecho a la garantía prevista en cualquier legislación nacional diferente aplicable a dicho Consumidor con respecto a la venta de bienes de consumo, promulgada en aplicación de la Directiva de la UE n.º 2019/771 modificada y complementada. Los consumidores residentes o domiciliados en países no pertenecientes a la UE tendrán un derecho de garantía en virtud de cualquier otra legislación obligatoria territorialmente aplicable sobre la venta de bienes de consumo.

8.3. El vendedor no será responsable de los fallos de funcionamiento o defectos atribuibles a una instalación, uso o mantenimiento no conformes/incorrectos de los productos adquiridos con respecto a los requisitos establecidos en el folleto de instrucciones y/o cualquier etiqueta de advertencia. La garantía legal no cubre todas las piezas consideradas «consumibles» y/o sujetas a desgaste o deterioro normal y quedará anulada si las causas del fallo son imputables a accidentes, uso incorrecto, descuido, uso indebido o uso fuera del ámbito del suministro y, más en general, cualquier defecto imputable a culpa o, en cualquier caso, a actividades sobre el producto realizadas por el cliente sin el consentimiento por escrito del vendedor. El vendedor no será responsable de los costes de desmontaje, transporte, nuevo montaje, reinstalación o comprobación de los productos cubiertos por esta garantía.

8.4. Devolución y reparación/sustitución de productos: los productos dañados/defectuosos deberán devolverse al vendedor. Los productos en garantía se repararán, cuando sea posible. No obstante, si la reparación no es posible o no es económicamente viable, el vendedor se compromete a sustituir el producto por uno nuevo del mismo tipo. Los gastos de devolución del producto reparado y/o entrega de la sustitución del producto dañado/defectuoso corren siempre a cargo del cliente y la mercancía viaja siempre por cuenta y riesgo del cliente.

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9. Reclamaciones por vicios/defectos/ausencia de calidad del producto

9.1. Las reclamaciones y/o quejas por defectos o falta de calidad del producto, en los términos previstos por la normativa referida en el art. 8, deberán dirigirse exclusivamente al Departamento Comercial del vendedor cumplimentando en su totalidad el «FORMULARIO DE RECLAMACIÓN» que puede descargarse online en el siguiente link: https://pim.ivar-group.com/short/Claim_request_form.

Para una tramitación correcta y rápida de la reclamación, es esencial comunicar información detallada sobre los vicios/defectos y/o la ausencia de calidad alegados.

9.2. En caso de que la mercancía devuelta al vendedor no presente los defectos y/o ausencia de la calidad alegados por el cliente, éste deberá abonar al vendedor una cantidad a tanto alzado equivalente al 10 % del valor de la mercancía en concepto de reembolso de los gastos derivados de la tramitación del procedimiento de reclamación.

9.3. Cualquier reclamación y/o controversia sobre defectos y/o ausencia de calidad del producto no dará derecho al comprador a omitir o retrasar los pagos del suministro.

10. Condiciones de entrega y devolución de mercancías; limitación de responsabilidad

10.1. El plazo de entrega acordado entre las partes comenzará el día siguiente al día en que se haya llegado a un acuerdo sobre cada elemento del contrato y el vendedor haya recibido toda la información necesaria para la ejecución de la entrega. En cualquier caso, se entenderá que los plazos de entrega indicados en las ofertas y/o confirmaciones de pedido del vendedor son meramente indicativos y no vinculantes.

10.2. En caso de que el país del comprador exija una licencia de importación, el plazo de entrega empezará a contar a partir del momento en que el vendedor haya sido informado por escrito de la concesión de la licencia.

10.3. La entrega de mercancías, aunque sea parcial, no podrá ser rechazada por el comprador; las entregas parciales de mercancías no dan derecho al comprador a anular el pedido.

10.4. El vendedor declina toda responsabilidad, y por tanto no deberá nada al comprador, cuando el retraso en la entrega no sea imputable al vendedor - como en el caso de retrasos por parte de terceros, incluyendo proveedores y subproveedores, causas de fuerza mayor como movilizaciones, disturbios, huelgas o cierres patronales, guerras epidemias, cierres, accidentes o averías de máquinas o herramientas, incendios, derrumbes, inundaciones, terremotos, temperaturas excesivas, fenómenos meteorológicos y, en general, cualquier otro caso que provoque la inactividad total o parcial de las instalaciones del vendedor y la paralización o ralentización de la producción.

10.5. En cualquier caso, el comprador no podrá alegar el retraso en la entrega para rescindir el contrato.

10.6. Sin perjuicio de lo dispuesto en el número 8 sobre el tema de la garantía, el cliente no podrá devolver el material que se le haya entregado por ningún motivo sin el consentimiento expreso y por escrito del vendedor. Si se autoriza la devolución, el comprador, para tener derecho al reembolso del precio de compra ya pagado, deberá devolver el material de la siguiente manera:

- el material no deberá haber sido utilizado por el comprador y deberá devolverse en las mismas condiciones en que el comprador lo recibió;
- la devolución del material se efectuará en un plazo de quince (15) días a partir de la fecha de la factura de compra;
- el material se devolverá a I.V.A.R. S.p.A. -por cuenta y riesgo del comprador- en las instalaciones de Prevalle (BRESCIA), via IV Novembre, 181.

11. Rescisión y suspensión del suministro

11.1. En caso de acontecimientos imprevistos, fuerza mayor y caso fortuito (como, a título de ejemplo, huelgas o cierres patronales, falta o disminución del suministro de materias primas, dificultades de transporte, guerras, insurrecciones, interrupciones de las comunicaciones, cualquiera que sea su causa, averías en las instalaciones del vendedor, etc.), el vendedor tendrá derecho a rescindir el presente contrato y/o suspender el suministro en curso cuando dichos acontecimientos imprevistos, cualquiera que sea el lugar en que se produzcan, alteren sustancialmente el estado de los mercados, el valor de la moneda, las condiciones de la industria italiana, o se produzcan circunstancias, incluso endógenas que, a juicio incuestionable del vendedor, no permitan la continuación útil de la relación de suministro.

11.2. En caso de impago, incluso parcial, de las facturas emitidas por el vendedor, aunque se refieran a entregas de productos anteriores y ya realizadas, el vendedor se reserva el derecho de suspender los suministros de productos relativas a confirmaciones de pedido pendientes.

11.3. En cualquier caso, previsto en las presentes Condiciones Generales, de rescisión del contrato y/o suspensión del suministro de material, el comprador no tendrá derecho a indemnización, compensación, reembolso o daños y perjuicios.

12. Derechos de propiedad intelectual - Uso de la marca I.V.A.R.

12.1. Todos los dibujos o documentos técnicos relativos a los productos del vendedor, incluso si se remiten al comprador, siguen siendo propiedad exclusiva del vendedor y no pueden ser utilizados por el comprador ni copiados, reproducidos, transmitidos o comunicados a terceros sin la autorización previa por escrito del vendedor.

12.2. Cualquier utilización de la marca I.V.A.R. por parte del comprador deberá ser autorizada previamente por escrito por el vendedor, bajo pena de daños y perjuicios por utilización indebida de la marca.

13. Ley aplicable. Jurisdicción. Tribunal competente.

13.1. El contrato, aunque se celebre con compradores de nacionalidad extranjera e incluso en el caso de productos suministrados en el extranjero, se regirá por la legislación italiana. Queda excluida la aplicación de la Convención de la Haya sobre el Derecho uniforme en materia de compraventa internacional de mercaderías, la Convención de las Naciones Unidas sobre los Contratos de Compraventa Internacional de Mercaderías y todos los demás convenios internacionales sobre compraventa de mercaderías y/o contratación de obras y servicios.

13.2. Cualquier controversia relativa al presente contrato y a su interpretación y/o ejecución será sometida a la jurisdicción exclusiva de los tribunales italianos y atribuida exclusivamente a la competencia territorial del Tribunal de Brescia.

14. Privacidad

14.1. El comprador consiente el tratamiento de sus datos personales, reconociendo haber recibido la política de privacidad redactada en base a múltiples ordenamientos legislativos, entre ellos los artículos 13 y 14 del Reglamento (UE) 2016/679, que se puede consultar aquí https://pim.ivar-group.com/short/Client_supplier_Privacy.

14.2. El responsable del tratamiento de los datos del comprador es la empresa I.V.A.R. S.p.A., con domicilio social en Prevalle (BRESCIA), Via IV Novembre, 181.

14.3. El comprador puede ejercer sus derechos en cualquier momento poniéndose en contacto directamente con el responsable del tratamiento de datos en la dirección de correo: notifiche.gdpr@ivar.it

14.4. El suministro de datos es obligatorio para la ejecución del contrato y para el cumplimiento de las obligaciones contables y fiscales; cualquier negativa a suministrar dichos datos dará lugar a la no ejecución del contrato por culpa del comprador.

14.5. Los datos personales podrán ser comunicados, además de a sujetos vinculados a la sociedad I.V.A.R. S.p.A. (por ejemplo, empleados, agentes, corredores, sucursales y/u oficinas secundarias, etc.), a bancos, compañías de seguros y, en general, a asesores y/o profesionales de la propia sociedad.

15. Comunicaciones

Salvo disposición contraria en las demás condiciones generales, todas las comunicaciones entre las partes se harán por escrito y se enviarán a la dirección del destinatario indicada en el contrato o al domicilio social del destinatario por carta certificada con acuse de recibo, telefax, correo electrónico, correo electrónico certificado o entrega en mano.

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