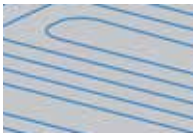
> Emmeti Wall
Under plaster system

113

> Emmeti Plasterboard
Plasterboard heating and cooling system

116

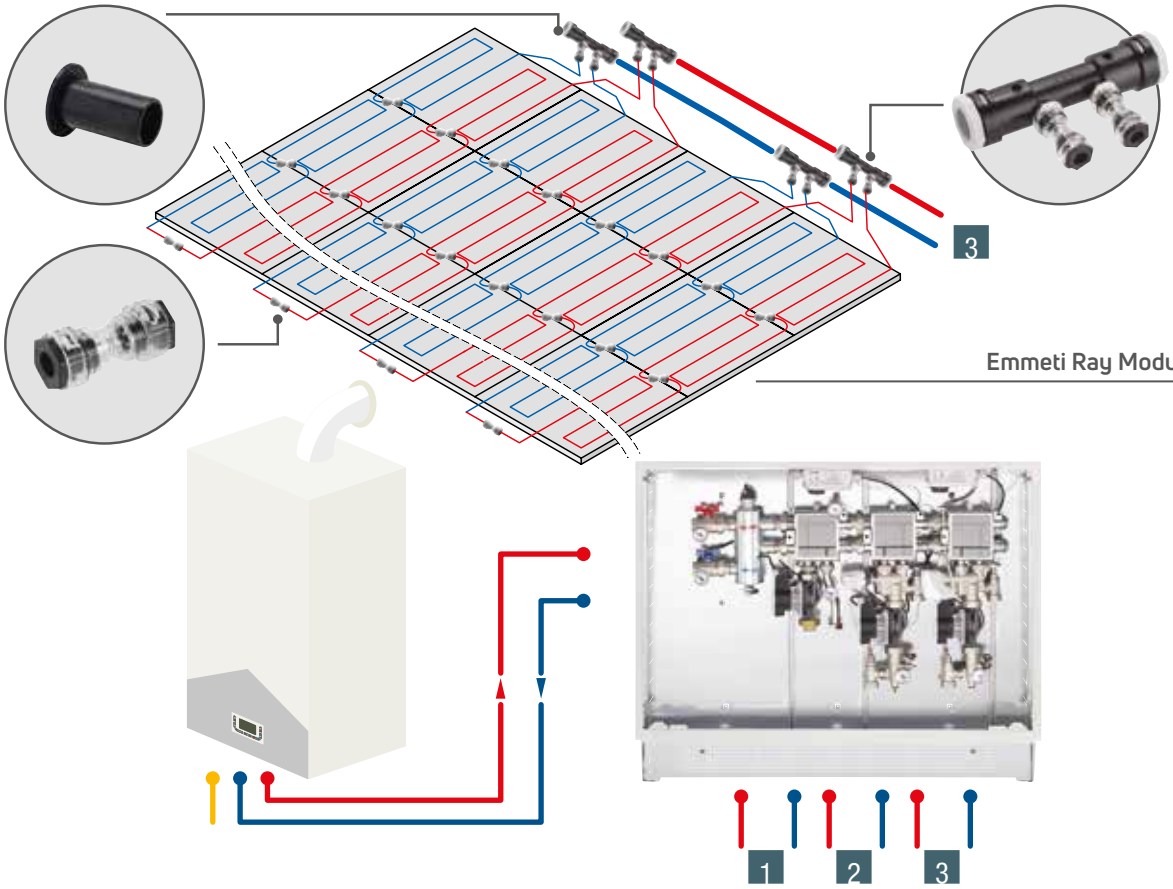
> Emmeti Ray Module
Metal modules heating and cooling system

128

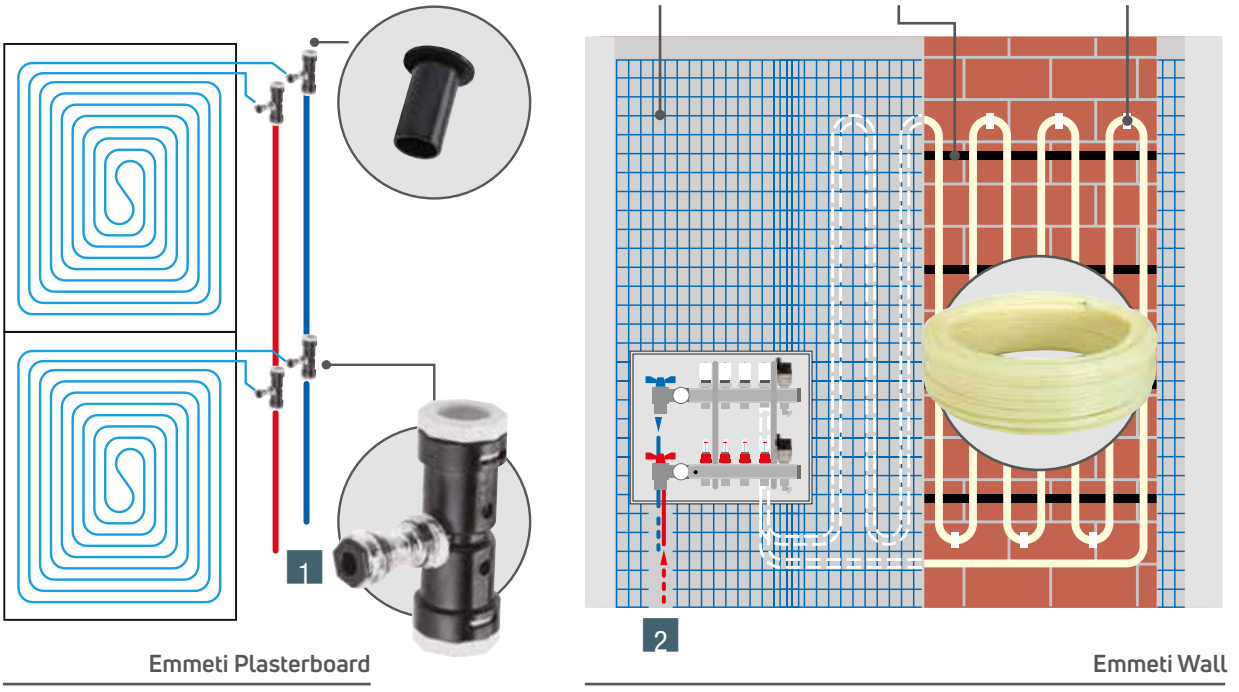
> Connectors and
distributors


131

Example of installation



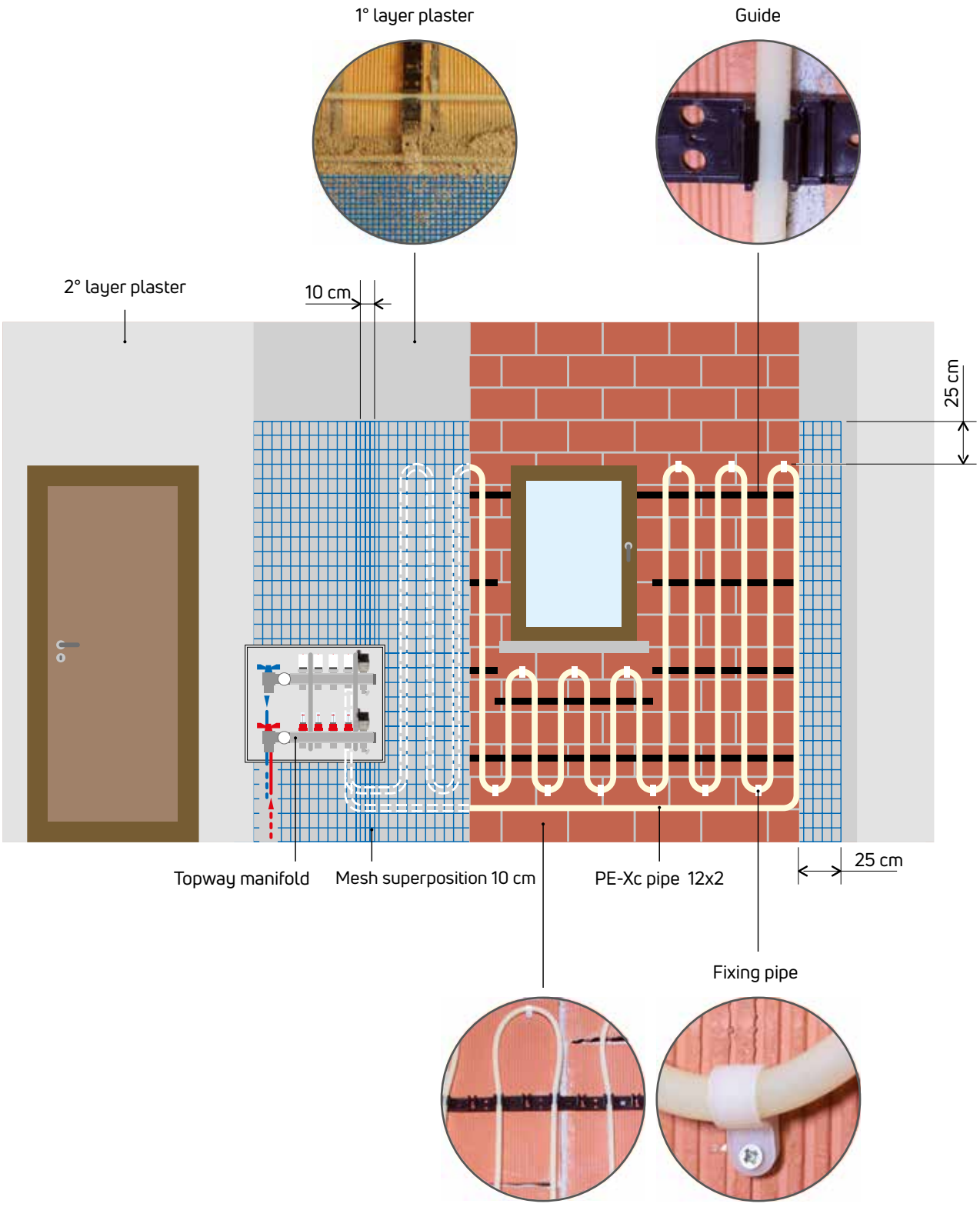
Emmeti Ray Module



Emmeti Plasterboard

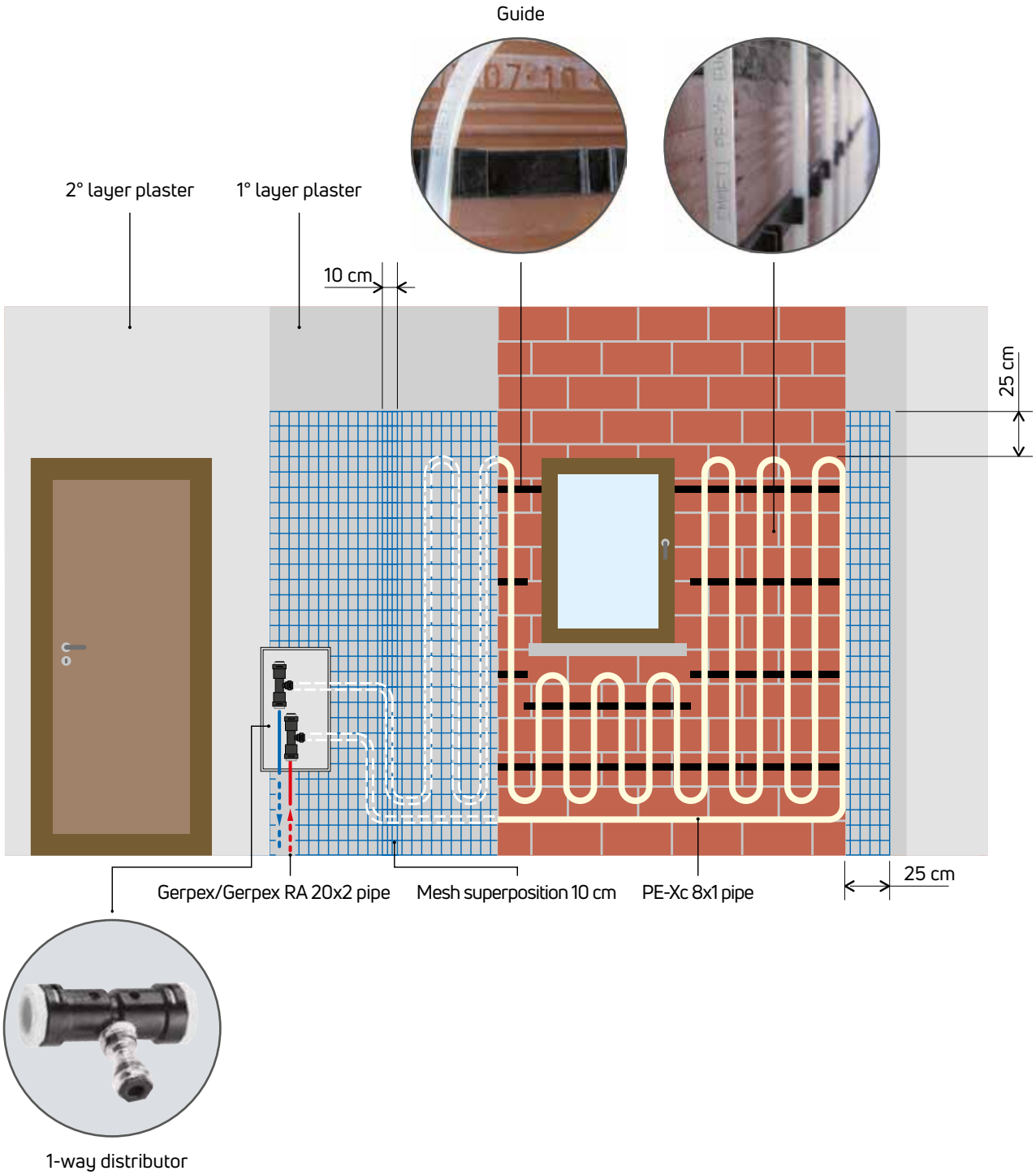
Emmeti Wall

Under plaster system Emmeti Wall - System 12



Emmeti Wall

Under plaster system Emmeti Wall - System 8





SKZ
Das Kunststoff-Zentrum
UNI EN ISO 15875-2

PE-Xc pipe with EVOH oxygen barrier 5 layers

Classes of application / Operating pressures (bar): Cl. 4/4 bar - Cl. 5/8 bar
Oxygen permeability (DIN 4726): < 0.32 mg/(m²d) at 40 °C; < 3.6 mg/(m²d) at 80 °C
Density: 930 kg/m³ - Thermal conductivity: 0.4 W/mK - Degree of reticulation: ≥60%
Average coefficient of linear expansion: 0.15 mm/(m °C)
Minimum bending radius: 5 x D pipe - Internal roughness: 7 µm
Water capacity: 0.028 l/m - Application: heating systems

Dimension	Mts. pack	Code	Price €
8 x 1 mm	100	28141800	1,45

5-layer pipe in medium density polyethylene, cross-linked by an electronic system, in accordance with DIN 4724, equipped with oxygen barrier in compliance with DIN 4726 and certified SKZ HR 3.2.

Application classes PE-Xc (UNI EN ISO 15875-1): see section Technical Attachments



SKZ
Das Kunststoff-Zentrum
UNI EN ISO 21003-2

PE-Xc PENTA pipe with 5-layer EVOH oxygen barrier

Application classes / Operating pressures (bar): Cl. 4/10 bar - 5/10 bar
Oxygen permeability (DIN 4726): < 0.32 mg/(m²d) at 40 °C; < 3.6 mg/(m²d) at 80 °C
Density: 940kg/m³ - Thermal conductivity: 0.41W/(mK)
Degree of crosslinking: ≥60% - Coefficient of linear expansion: 0.15 mm/(m °C)
Minimum bend radius: 5 x outside diameter - Internal roughness: 7 µm
Water content: 0.05 l/m - Application: heating systems

Dimension	Mts. pack	Code	Price €
12 x 2 mm	240	28141852	1,85

5-layer pipe in high density polyethylene, cross-linked with an electronic system, compliant with the UNI EN ISO 21003-2 standard, equipped with an oxygen barrier in compliance with the DIN 4726 standard and SKZ HR 3.2 certified.

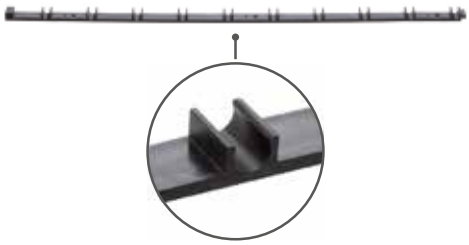
PE-Xc pipe application classes (UNI EN ISO 21003-1) and regression curves: see section Technical Attachments



Guide for pipe anchoring Ø 12 mm

Dimension	Pcs. pack	Code	Price €
900 x 20 x 35 mm (WxHxD)	30	28130724	4,39

Modular guide for pipe anchoring Ø 12 mm, with minimum step 60 mm



Guide for pipe anchoring Ø 8 mm

Dimension	Pcs. pack	Code	Price €
500 x 9 x 15 mm (WxHxD)	150	28130752	2,01

Modular guide for pipe anchoring Ø 8 mm, with minimum step 50 mm

Fixing pipe for pipe Ø 12 mm

Dimension	Pcs. pack	Code	Price €
For pipe Ø 12 mm	50	28130723	0,39



Roll of mesh in fibreglass for plaster

Dimension	Pack m²	Code	Price €/m²
50 x 1 mm	50	28130726	4,35



Shear for plastic pipe

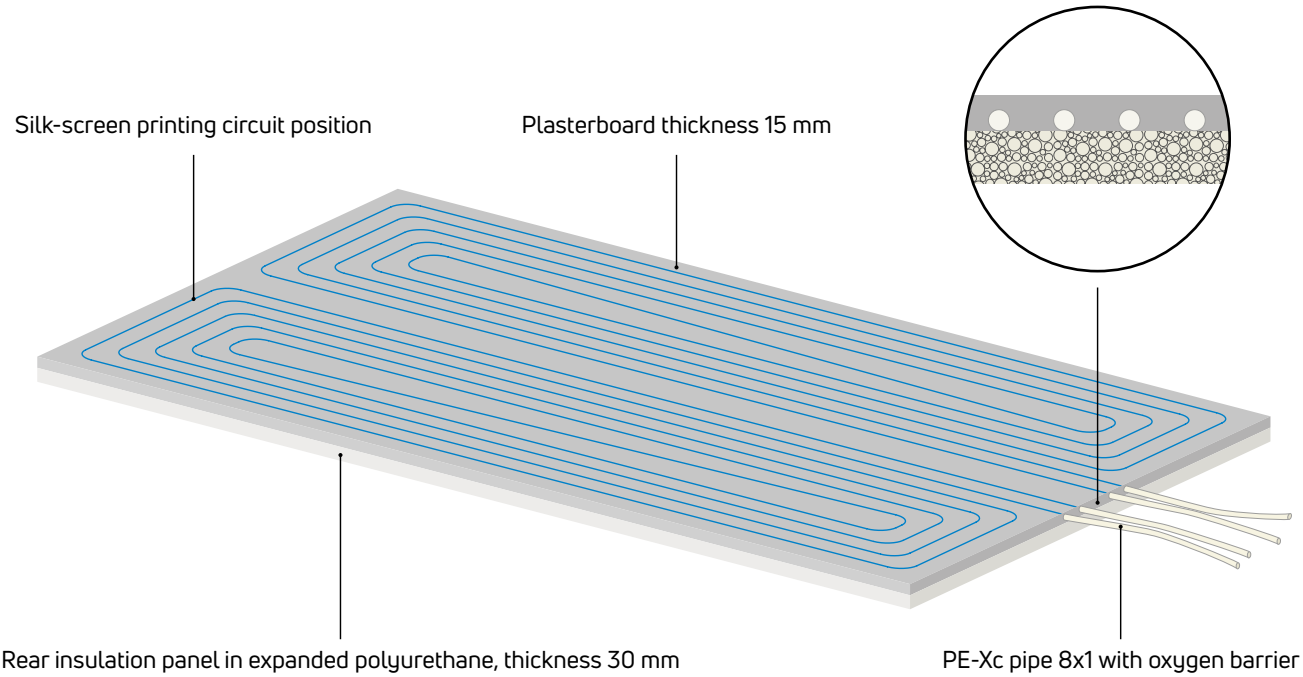
Dimension	Pcs. pack	Code	Price €
Ø 8÷25	1	28130760	142,00
Spare blade for cutter	1	28130761	33,23

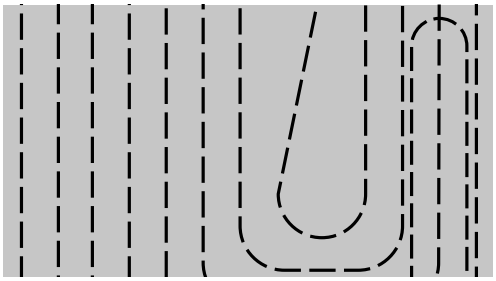
Shears to cut thin-wall rigid plastic pipes without chippings.

Emmeti Plasterboard

Plasterboard heating and cooling system







CE

UNI EN 13163 / EN 520

Prefabricated radiant panel in plasterboard MULTI Vertical

NEW

Dimension	Nr. internal circuits	m²/ panel	Code	Price/ panel €	€/m²
2000 x 1200 x 45 mm	2 or 4	2,40	28134398	286,40	119,33

Prefabricated and sectionable radiant panel composed of 2 or 4 spiral tube circuits PE-Xc DN 8x1 with oxygen barrier compliant with DIN 4726, incorporated in a type A plasterboard sheet, 15 mm thick, coupled with an EPS 250 insulating panel, 30 mm thick.
Fire reaction class: B-s1, d0 (EN 13501-1).
The panel can be divided into two 2000x600 panels or four 1000x600 panels or two 1200x1000 panels.
The connection pipes are housed in special compartments obtained in the EPS layer, facilitating logistics and movement of the panels.

Panel dimensions [mm]	m²/panel	Active area m²
2000 x 1200	2,40	2,28
2000 x 600	1,20	1,10
1000 x 600	0,60	0,54

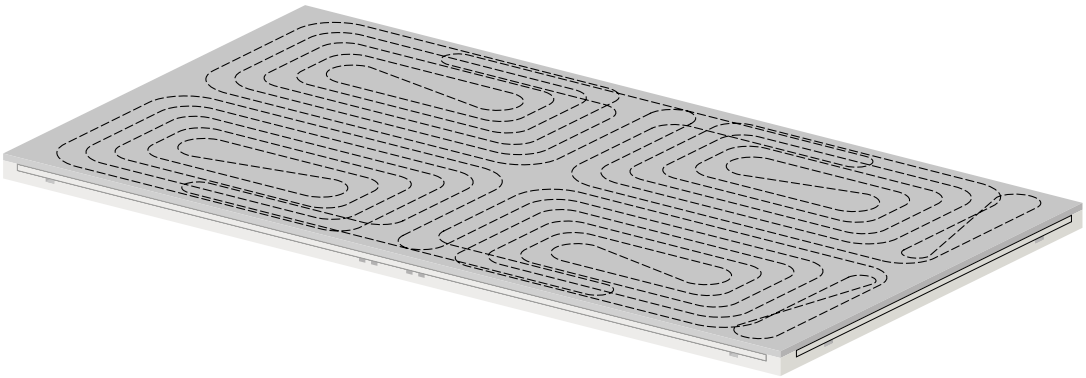
Plasterboard technical data	Norm	U.M.	Referring
Type	EN 520 - 3.2	-	Type A
Thickness	EN 520 - 5.4	mm	15 ± 0,5
Out of squareness	EN 520 - 5.5	mm/m	≤ 2,5
Weight		kg/m²	12,90
Class of reaction to fire	EN 13501-1	-	A2-s1, d0 (B)
Flexural breaking load	EN 520 - 5.7	N	Long. 650 - Transv. 250
Surface hardness	EN 1520 - 5.12	mm	-
Thermal conductivity λ	EN 12524	W:mK	0,21
Resistance factor upon diffusion of steam μ	EN 12524	-	Dry range: 10 - Wet range: 4

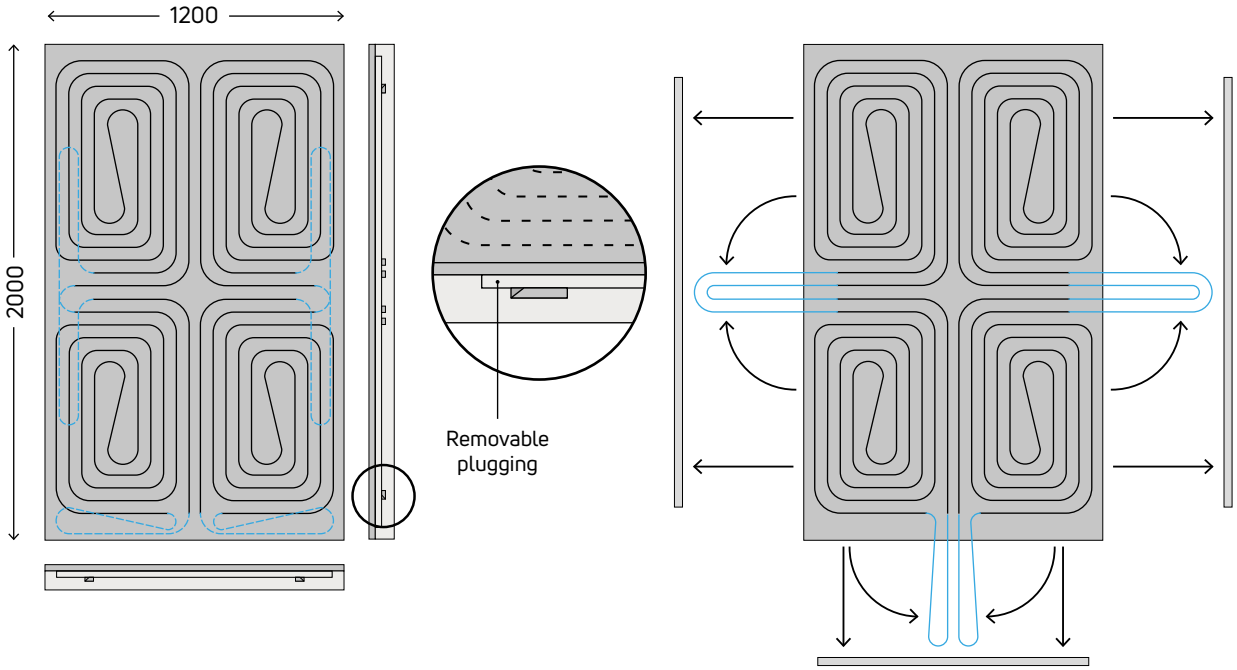
Edges	Longitudinal	Head
2000 x 1200	2 thinned	2 straight

EPS technical data	Norm	U.M.	Referring
Type	EN 13163	-	EPS 250
Thickness	UNI EN 823	mm	30 ± 2
Compression resistance	EN 826	KPa	≥250
Thermal conductivity λ	EN 12939	W/m K	0,032
Water absorption due to partial immersion	EN 12087	%	WL(T)3 ≤ 3,0
Class to reaction to fire	EN 13501-1	Euroclass	E

Pipe technical data	Norm	U.M.	Referring
Type	DIN 4724		PE-Xc
Size		mm	8 x 1
Oxygen permeability	DIN 4726	mg/(m² d)	≤ 0,32 (40 °C)
Thermal conductivity λ	DIN 52612	W/mK	0,4
Average linear expansion coefficient		mm/m °C	0,15
Degree of reticulation	UNI EN 579	%	≥ 60
Minimum radius of curvature		mm	5 x D tubo
Medium surface roughness		μ	7
Lenght of individual circuit: m	2 x 19,5 (panels 2000x1200) - 19,5 (panel 2000x600) - 9,80 (panel 1000x600)		
Circuit/passage lenght		cm	Spiral/5
Water content		l/m	0,028

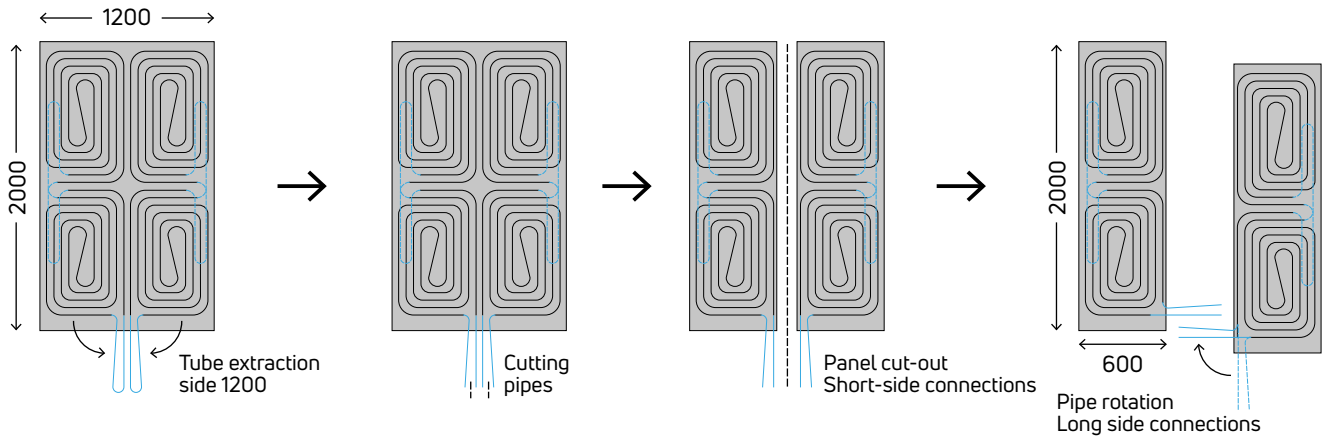
MULTI Vertical panel - 2000x1200





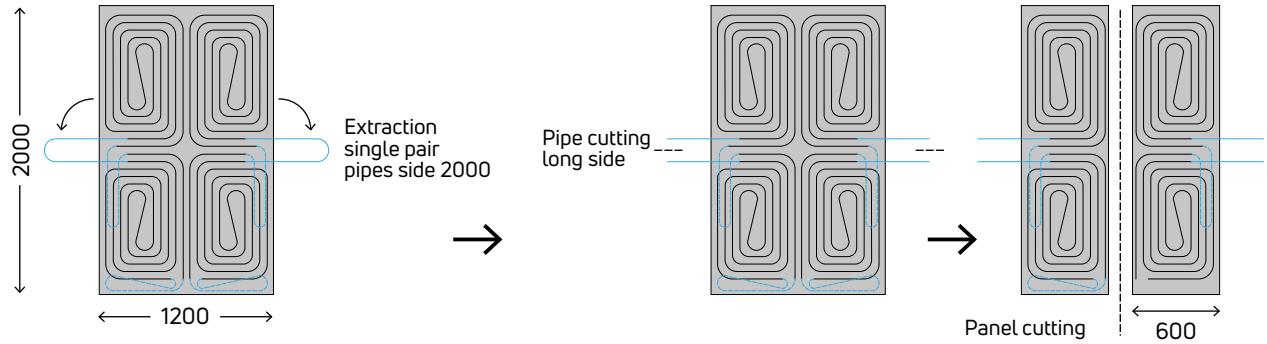
Panel MULTI Vertical configurations - 2000x1200

Size 2000x600 - Short side or long side connections, at the end

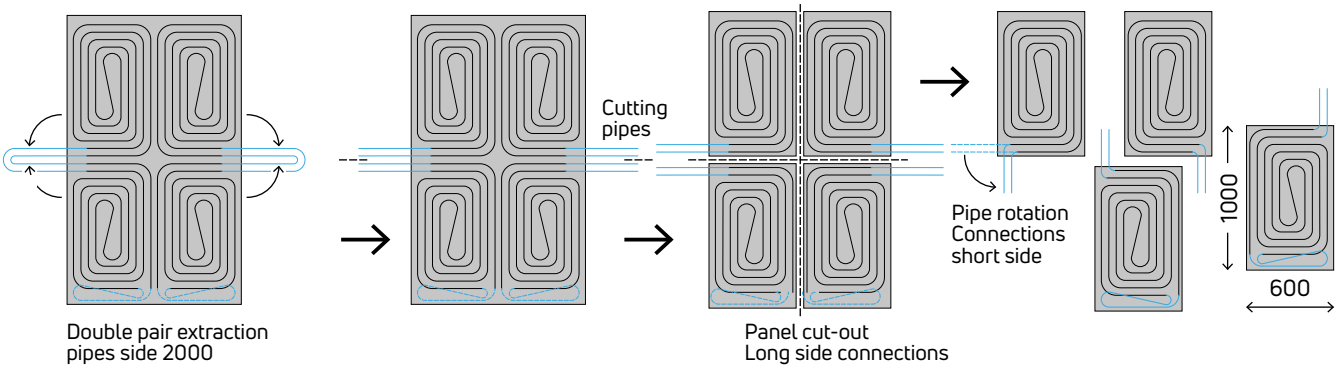


Panel MULTI Vertical configurations - 2000x1200

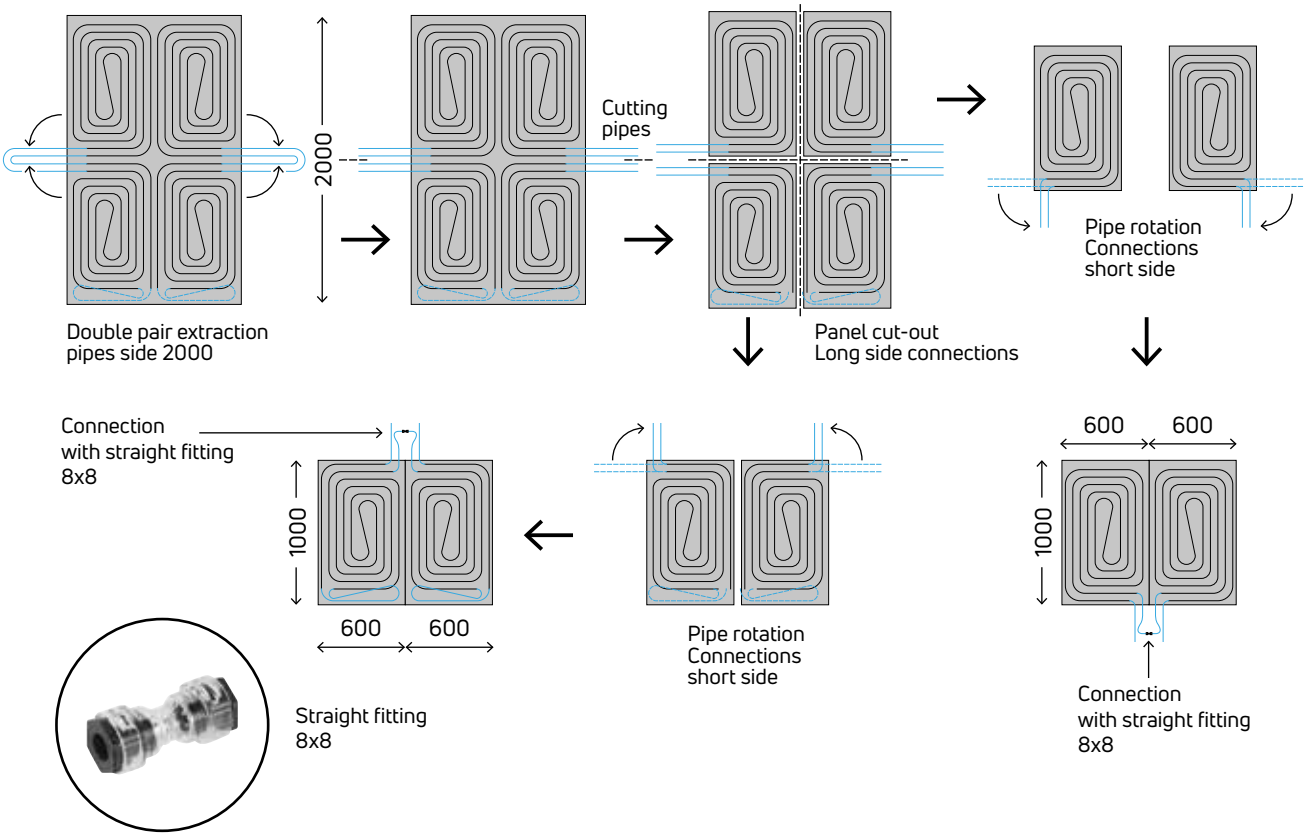
Size 2000x600 - Long side connections, centre

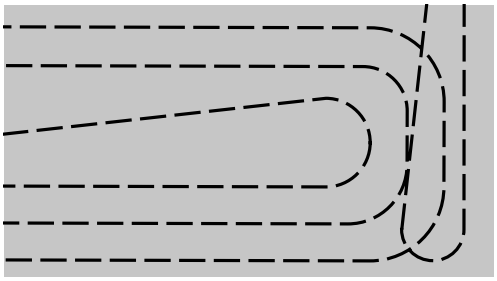


Size 1000x600 - Short and long side connections



Size 1200x1000 - Series connection of 1000x600 panels with 8x8 intermediate fittings





Prefabricated radiant panel in plasterboard MULTI Horizontal NEW

Dimension	Nr. internal circuits	m²/ panel	Code	Price/ panel €	€/m²
2000 x 1200 x 45 mm	2 or 4	2,40	28134388	286,40	119,33

Prefabricated, sectionable radiant panel consisting of 2 or 4 pipe snail circuits in PE-Xc DN 8x1 with oxygen barrier in accordance with DIN 4726, embedded in a 15 mm thick plasterboard type A board coupled with a 30 mm thick EPS 250 insulation panel.
Fire reaction class: B-s1, d0 (EN 13501-1).
The panel is divisible into two 1000x1200 panels or four 500x1200 panels.
The connection pipes are housed in special compartments cut into the EPS layer, facilitating logistics and handling of the panels.

CE

UNI EN 13163 / EN 520

Dimension panel [mm]	m²/panel	Active area m²
2000 x 1200	2,40	2,28
1000 x 1200	1,20	1,10
500 x 1200	0,60	0,54

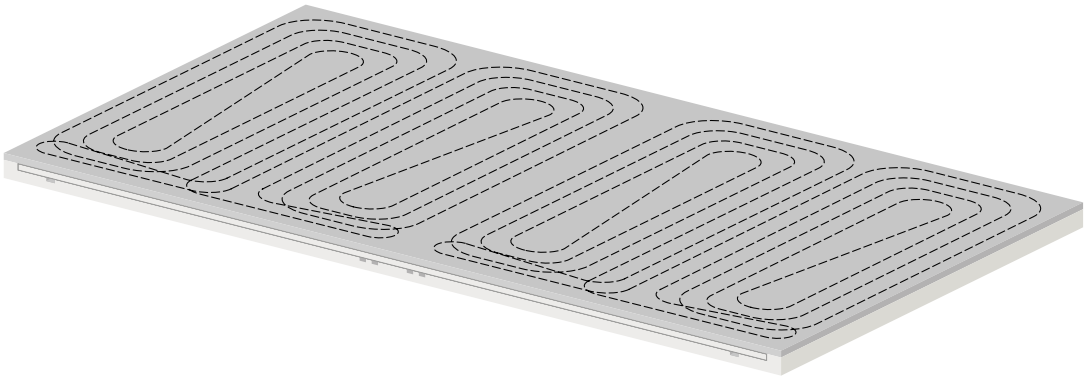
Plasterboard technical data	Norm	U.M.	Referring
Type	EN 520 - 3.2	-	Type A
Thickness	EN 520 - 5.4	mm	15 ± 0,5
Out of squareness	EN 520 - 5.5	mm/m	≤ 2,5
Weight		kg/m²	12,90
Class of reaction to fire	EN 13501-1	-	A2-s1, d0 (B)
Flexural breaking load	EN 520 - 5.7	N	Long. 650 - Transv. 250
Surface hardness	EN 1520 - 5.12	mm	-
Thermal conductivity λ	EN 12524	W:mK	0,21
Resistance factor upon diffusion of steam μ	EN 12524	-	Dry range: 10 - Wet range: 4

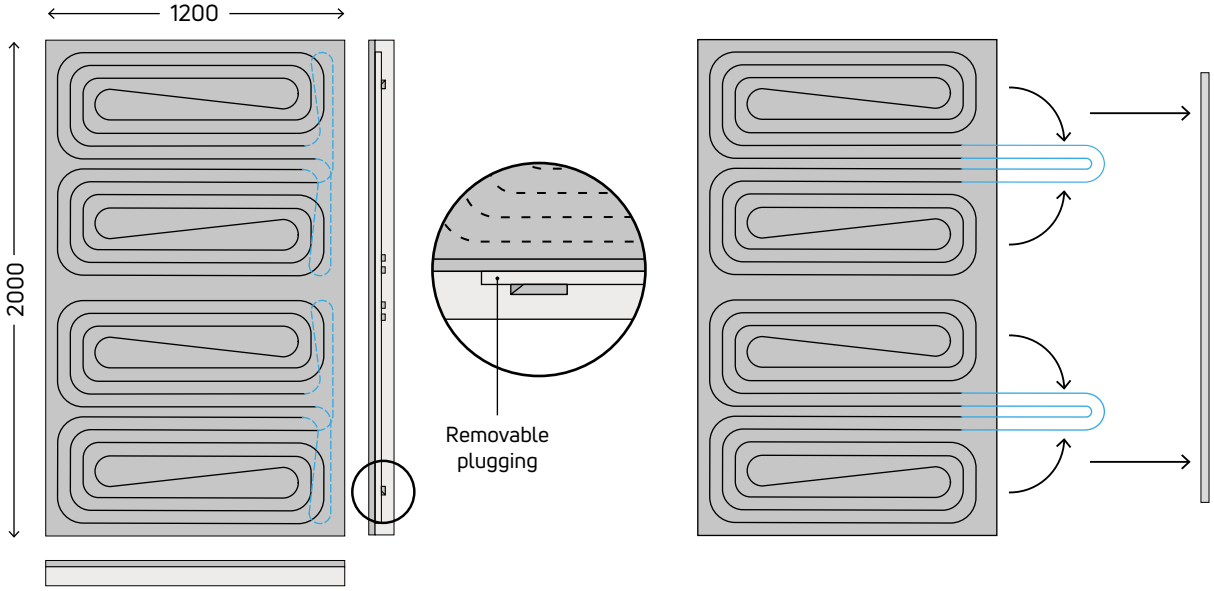
Edges	Longitudinal	Head
2000 x 1200	2 thinned	2 straight

EPS technical data	Norma	U.M.	Referring
Type	EN 13163	-	EPS 250
Thickness	UNI EN 823	mm	30 ± 2
Compression resistance	EN 826	KPa	≥250
Thermal conductivity λ	EN 12939	W/m K	0,032
Water absorption due to partial immersion	EN 12087	%	WL(T)3 ≤ 3,0
Class of reaction to fire	EN 13501-1	Euroclass	E

Pipe technical data	Norm	U.M.	Referring
Type	DIN 4724		PE-Xc
Size		mm	8 x 1
Oxygen permeability	DIN 4726	mg/(m² d)	≤ 0,32 (40 °C)
Thermal conductivity λ	DIN 52612	W/mK	0,4
Average linear expansion coefficient		mm/m °C	0,15
Degree of reticulation	UNI EN 579	%	≥ 60
Minimur radius of curvature		mm	5 x D tubo
Medium surface roughness		μ	7
Lenght of individual circuit : m	2 x 18,5 (panels 2000x1200) - 18,5 (panel 1000x1200) - 9,30 (panel 500x1000)		
Circuit/passage lenght		cm	Spiral/5
Water content		l/m	0,028

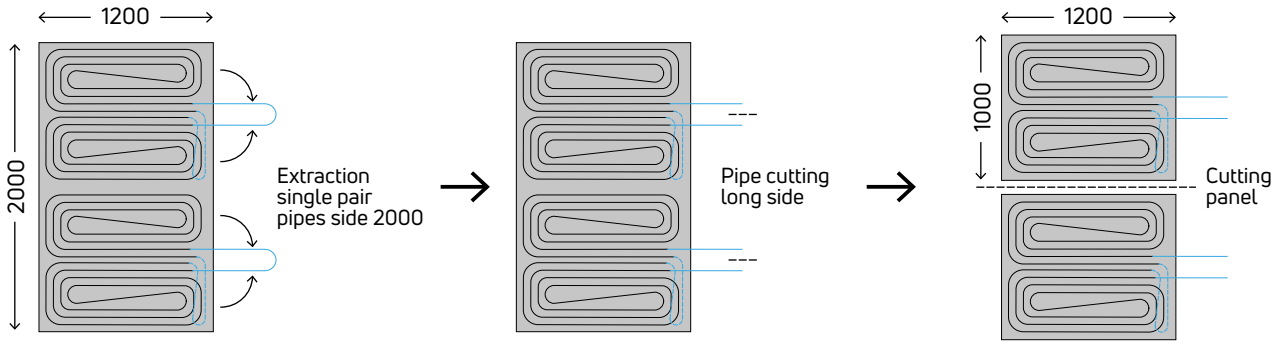
MULTI Horizontal panel - 2000x1200



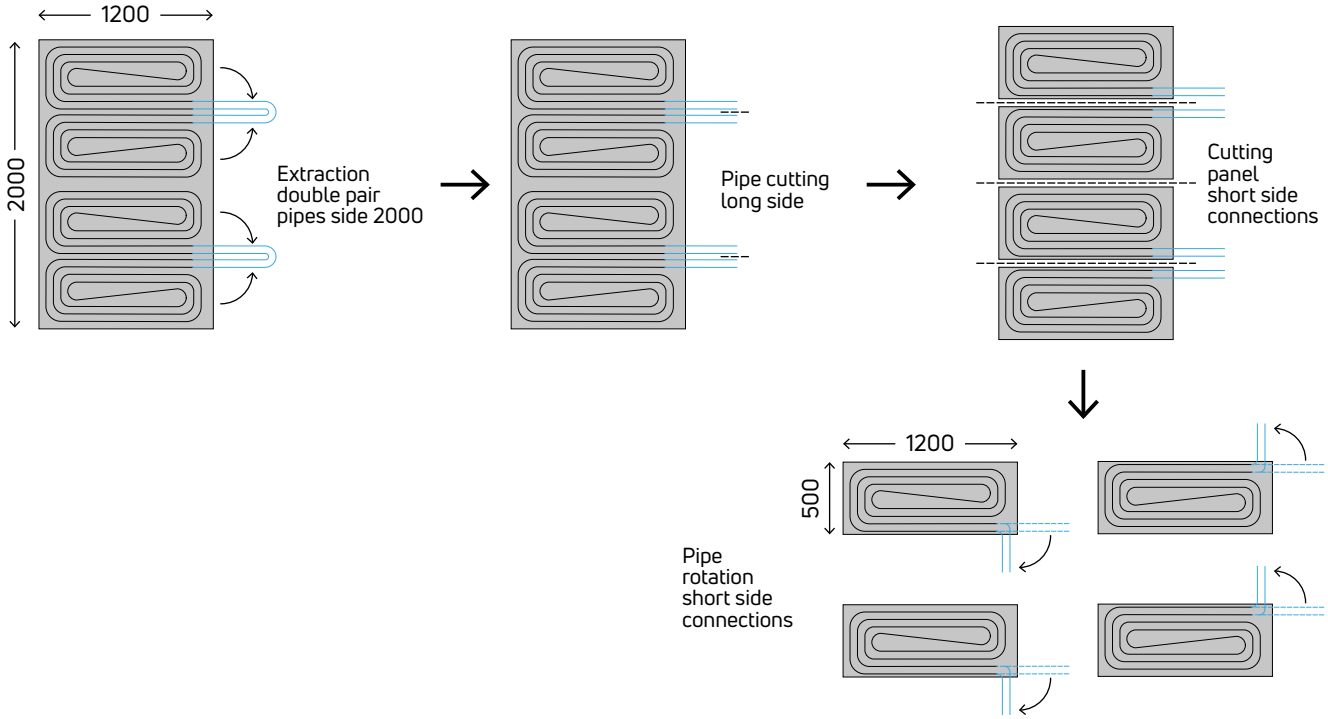


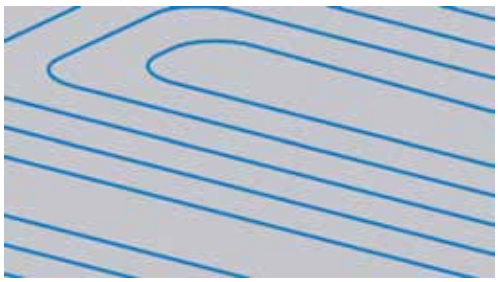
Panel MULTI Horizontal configurations - 2000x1200

Size 1200x1000 - Short side connections



Size 1200 x 500 - Short side or long side connections at the end





CE

UNI EN 13163 / EN 520

Prefabricated radiant panels in plasterboard type A and EPS

Dimension	Nr. internal circuits	m²/ panel	Active area m²	Code	Price / panel €	€/m²
2000 x 1200 x 45 mm	2	2,40	2,145	28134341	236,60	98,58
1000 x 1200 x 45 mm	1	1,20	1,0725	28134343	118,40	98,67
500 x 1200 x 45 mm	1	0,60	0,5175	28134353	59,11	98,52
2000 x 600 x 45 mm	1	1,20	1,0725	28134345	118,40	98,67

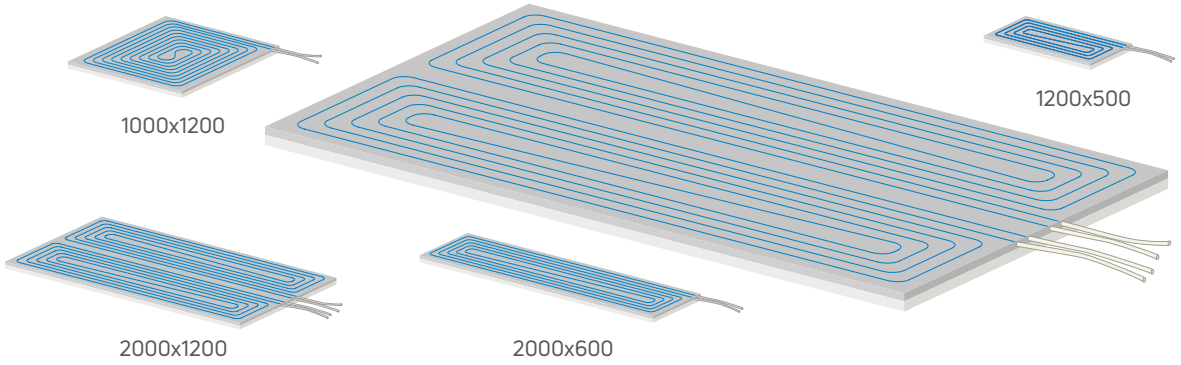
Prefabricated radiant panel consisting of 1 or 2 circuits spiral pipe PE-Xc DN 8x1 with oxygen barrier according to DIN 4726, embedded in a plasterboard type A, thickness 15 mm, coupled to an insulating panel in EPS 250 thick 30 mm.
Fire reaction class: B-s1, d0 (EN 13501-1).

Plasterboard technical data	Norm	U.M.	Referring
Type	EN 520 - 3.2	-	Type A
Thickness	EN 520 - 5.4	mm	15 ± 0,5
Out of squareness	EN 520 - 5.5	mm/m	≤ 2,5
Weight		Kg/m²	12,90
Class of reaction to fire	EN 13501-1	-	A2-s1, d0 (B)
Flexural breaking load	EN 520 - 5.7	N	Long. 650 - Transv. 250
Surface hardness	EN 1520 - 5.12	mm	-
Thermal conductivity λ	EN 12524	W/mK	0,21
Resistance factor upon diffusion of steam μ	EN 12524	-	Dry range: 10 - Wet range: 4

Edges	Longitudinal	Head
2000 x 1200	2 thinned	2 straight
1000 x 1200	2 thinned	2 straight
500 x 1200	2 straight	2 thinned
2000 x 600	1 thinned - 1 straight	2 straight

EPS technical data	Norm	U.M.	Referring
Type	EN 13163	-	EPS 250
Thickness	UNI EN 823	mm	30 ± 2
Compression resistance	EN 826	KPa	≥250
Thermal conductivity λ	EN 12939	W/m K	0,032
Water absorption due to partial immersion	EN 12087	%	WL(T)3 ≤ 3,0
Fire classification	EN 13501-1	Euroclass	E

Pipe technical data	Norm	U.M.	Referring
Type	DIN 4724		PE-Xc
Size		mm	8 x 1
Oxygen permeability	DIN 4726	mg/(m² d)	≤ 0,32 (40 °C)
Thermal conductivity λ	DIN 52612	W/mK	0,4
Average linear expansion coefficient		mm/m °C	0,15
Degree of reticulation	UNI EN 579	%	≥ 60
Minimum radius of curvature		mm	5 x D pipe
Medium surface roughness		μ	7
Lenght of individual circuit		m	19,31 (panel 2000x1200 and 2000x600) - 20,17 (panel 1000x1200) 9,31 (panel 500x1200)
Circuit/passage lenght		cm	Spiral/5
Water capacity		l/m	0,028



Plasterboard system



Prefabricated radiant panels in plasterboard type H2 and EPS

Dimension	Nr. internal circuits	m²/ panel	Active area m²	Code	Price / panel €	€/m²
1000 x 1200 x 45 mm	1	1,20	1,0725	28134349	124,70	103,92

Prefabricated radiant panel consisting of 1 or 2 circuits spiral pipe PE-Xc DN 8x1 with oxygen barrier according to DIN 4726, embedded in a plasterboard H2 type (reduced dearomatized water), 15 mm thick, coupled with a insulation panel EPS 250 30 mm thick.
Fire reaction class: B-s1, d0 (EN 13501-1).

CE

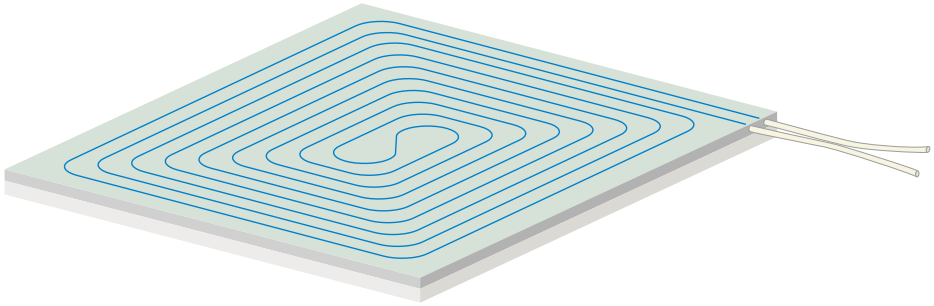
UNI EN 13163 / EN 520

Plasterboard technical data	Norm	U.M.	Referring
Type	EN 520 - 3.2	-	Type H2
Thickness	EN 520 - 5.4	mm	15 ± 0,5
Out of squareness	EN 520 - 5.5	mm/m	≤ 2,5
Weight		Kg/m²	12,9
Class of reaction to fire	EN 13501-1	-	A2-s1, d0 (B)
Flexural breaking load	EN 520 - 5.7	N	Long. 650 - Transv. 250
Surface hardness	EN 1520 - 5.12	mm	-
Thermal conductivity λ	EN 12524	W/mK	0,21
Resistance factor upon diffusion of steam μ	EN 12524	-	Dry range: 10 - Wet range: 4
Surface water absorption	EN 520-5.9.1	g/m²	< 180
Total water absorption	EN 520-5.9.2	%	≤ 10

Edges	Longitudinal	Head
1000 x 1200	2 thinned	2 straight

EPS technical data	Norm	U.M.	Referring
Type	EN 13163	-	EPS 250
Thickness	UNI EN 823	mm	30 ± 2
Compression resistance	EN 826	KPa	≥ 250
Thermal conductivity λ	EN 12939	W/m K	0,036
Water absorption due to partial immersion	EN 12087	%	WL(T)3 ≤ 3,0
Fire classification	EN 13501-1	Euroclass	E

Pipe technical data	Norm	U.M.	Referring
Type	DIN 4724		PE-Xc
Size		mm	8 x 1
Oxygen permeability	DIN 4726	mg/(m² d)	≤ 0,32 (40 °C)
Thermal conductivity λ	DIN 52612	W/m K	0,4
Average linear expansion coefficient		mm/m °C	0,15
Degree of reticulation	UNI EN 579	%	≥ 60
Minimur radius of curvature		mm	5 x D pipe
Medium surface roughness		μ	7
Lenght of individual circuit		m	21,5
Circuit/passage lenght		cm	Spiral/5
Water content		l/m	0,028



Prefabricated buffering panel in plasterboard type H2 and EPS

Dimension	m²/panel	Code	Price / panel €	€/m²
2000 x 1200 x 45 mm	2,40	28134350	138,30	57,62

Prefabricated panels composed of slab in normal plasterboard, type H2, 15 mm thickness, coupled with plate EPS 250, 30 mm thickness.
Fire reaction class: B-s1, d0 (EN 13501-1).

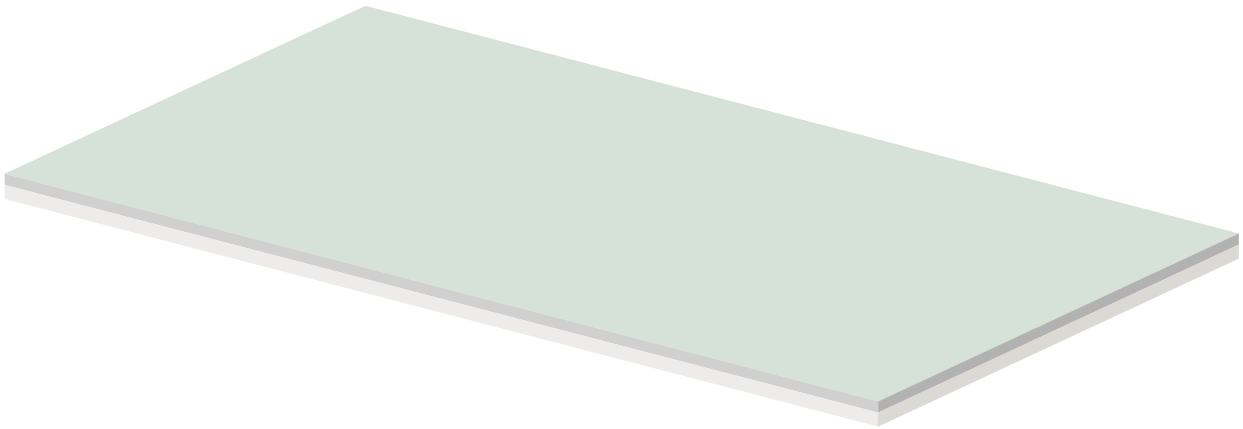
CE

UNI EN 13163 / EN 520

Plasterboard technical data	Norm	U.M.	Referring
Type	EN 520 - 3.2	-	Type H2
Thickness	EN 520 - 5.4	mm	15 ± 0,5
Out of squareness	EN 520 - 5.5	mm/m	≤ 2,5
Weight		Kg/m²	12,9
Class of reaction to fire	EN 13501-1	-	A2-s1, d0 (B)
Flexural breaking load	EN 520 - 5.7	N	Long. 650 - Transv. 250
Surface hardness	EN 520 - 5.12	mm	-
Thermal conductivity λ	EN 12524	W/mK	0,21
Resistance factor upon diffusion of steam μ	EN 12524	-	Dry range: 10 - Wet range: 4
Surface water absorption	EN 520-5.9.1	g/m²	< 180
Total water absorption	EN 520-5.9.2	%	≤ 10

Edges	Longitudinal	Head
2000 x 1200	2 thinned	2 straight

EPS technical data	Norm	U.M.	Referring
Type	EN 13163	-	EPS 250
Thickness	UNI EN 823	mm	30 ± 2
Compression resistance	EN 826	KPa	≥250
Thermal conductivity λ	EN 12939	W/m K	0,032
Water absorption due to partial immersion	EN 12087	%	WL(T)3 ≤ 3,0
Fire classification	EN 13501-1	Euroclass	E





Prefabricated buffering panel in plasterboard type A and EPS

Dimension	m²/panel	Code	Price / panel €	€/m²
2000 x 1200 x 45 mm	2,40	28134346	125,90	52,46

Prefabricated panels composed of slab in normal plasterboard, Type A, 15 mm thickness, coupled with plate EPS 250, 30 mm thickness.
Fire reaction class: B-s1, d0 (EN 13501-1).

CE

UNI EN 13163 / EN 520

Plasterboard technical data	Norm	U.M.	Referring
Type	EN 520 - 3.2	-	Type A
Thickness	EN 520 - 5.4	mm	15 ± 0,5
Out of squareness	EN 520 - 5.5	mm/m	≤ 2,5
Weight		Kg/m²	12,9
Class to reaction of fire	EN 13501-1	-	A2-s1, d0 (B)
Flexural breaking load	EN 520 - 5.7	N	Long. 650 - Transv. 250
Surface hardness	EN 520 - 5.12	mm	-
Thermal conductivity λ	EN 12524	W/mK	0,21
Resistance factor upon diffusion of steam μ	EN 12524	-	Dry range: 10 - Wet range: 4

Edges	Longitudinal	Head
2000 x 1200	2 thinned	2 straight

EPS technical data	Norm	U.M.	Referring
Type	EN 13163	-	EPS 250
Thickness	UNI EN 823	mm	30 ± 2
Compression resistance	EN 826	KPa	≥250
Thermal conductibility λ	EN 12939	W/m K	0,032
Water absorption due to partial immersion	EN 12087	%	WL(T)3 ≤ 3,0
Fire classification	EN 13501-1	Euroclass	E





SKZ
Das Kunststoff-Zentrum

UNI EN ISO 15875-2

PE-Xc pipe with EVOH oxygen barrier 5 layers

Classes of application / Operating pressures (bar): Cl. 4/4 bar - Cl. 5/4 bar
Oxygen permeability (DIN 4726): < 0.32 mg/(m²d) at 40 °C; < 3,6 mg/(m²d) at 80 °C
Density: 930 kg/m³
Thermal conductivity: 0.4 W/mK
Degree of reticulation: ≥60%
Average coefficient of linear expansion: 0.15 mm/(m °C)
Minimum bending radius: 5 x D pipe
Internal roughness: 7 µm
Water capacity: 0.028 l/m
Application: heating systems

Dimension	Mts. pack	Code	Price €
8 x 1 mm	100	28141800	1,45

5-layer pipe in medium density polyethylene, cross-linked by an electronic system, in accordance with DIN 4724, equipped with oxygen barrier in compliance with DIN 4726 and certified SKZ HR 3.13.

Application classes PE-Xc pipe (UNI EN ISO 15875-1): see section Technical Attachments.



Insulating pipe in roll in elastomer foam

Maximum operation temperature: +105 °C
Thermal conductivity: (at 0 °C) 0,033 W/mK, (at 40 °C) 0,040 W/mK
Permeability: µ= 3000 W/m °C
Fire reaction class: B_L - s_3 - d_0

Dimension	Thickness	Mts. pack	Code	Price €
Ø 8	6 mm	80	02967902	93,93



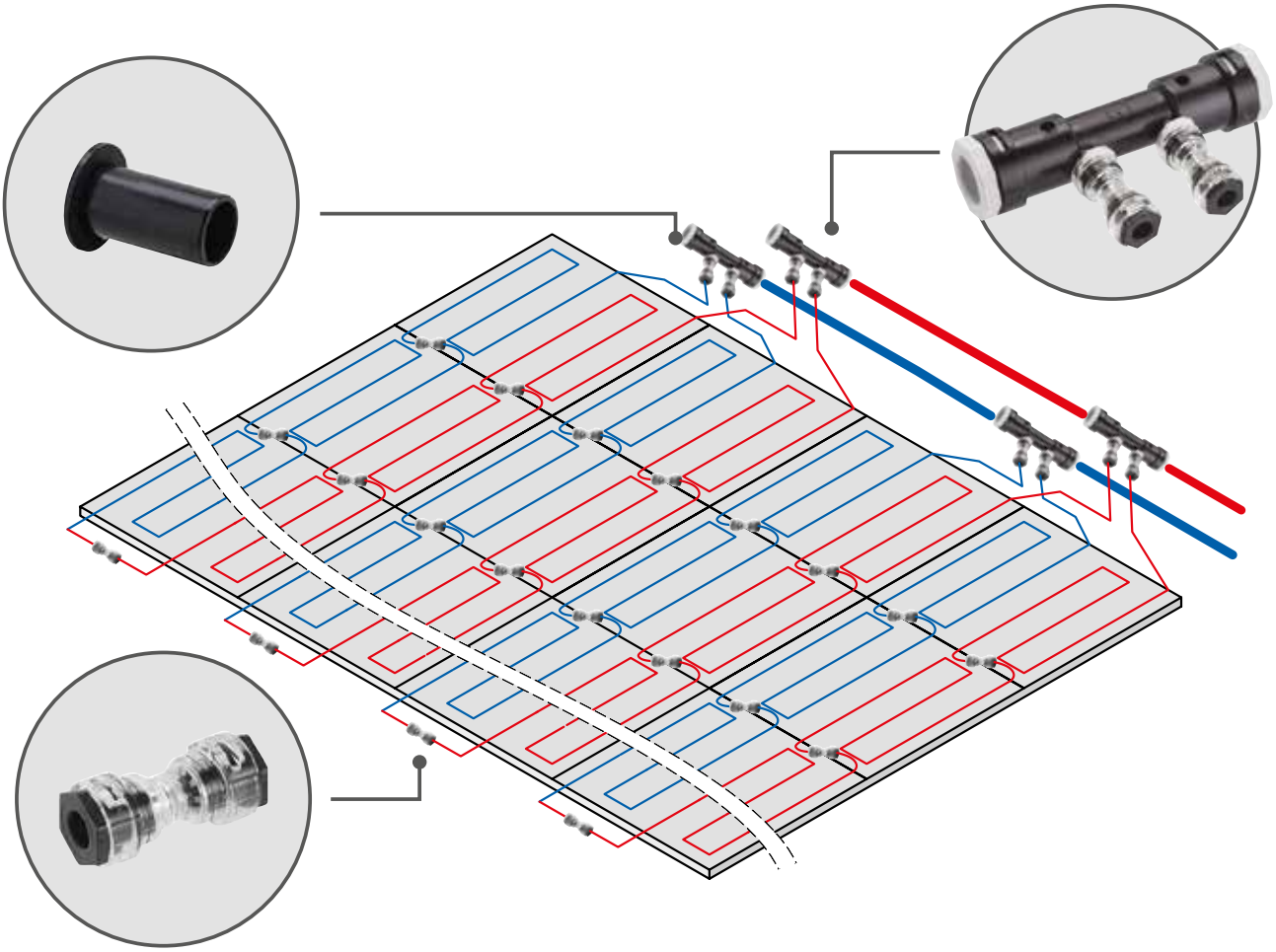
Shear for plastic pipe

Dimension	Pcs. pack	Code	Price €
Ø 8÷25	1	28130760	142,00
Spare blade for cutter	1	28130761	33,23

Shears to cut thin-wall rigid plastic pipes without chippings.

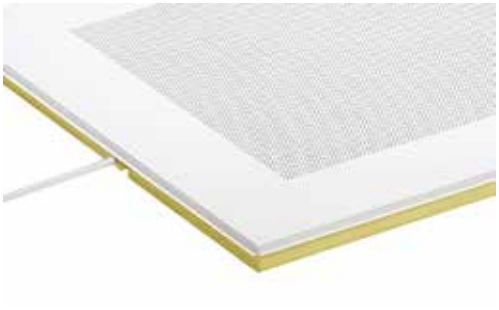
Emmeti Ray Module

Metal modules heating and cooling system



Ray Module is the radiant ceiling climate control system intended for buildings for tertiary and commercial use and for use in hospitals, schools and exhibitions where there is a suspended false ceiling accessible for inspection. The reduced thermal needs of new buildings allows to obtain the high thermohygrometric comfort level produced by cold radiant ceilings also for heating purposes. With the radiant ceiling, the air treatment system will be designed for reduced capacities with clear benefits in terms of overall dimensions of the conduits, sensation of well-being in the rooms and energy savings.

Ray Module consists of two circuits made with a PE-Xc 8x1 pipe with oxygen barrier combined with an aluminium thin sheet glued to the coating panel, to be installed on a 24 mm T-shaped suspended structure. The upper part of the exchanger is insulated by means of a 30 mm thick rock wool slab. The panels are connected with push-fit fittings up to max. 6 elements for each series.



Perforated metal radiant square panel

Size	Nr. internal circuits	m²/square panel	Code	Price/square €
600x600 white lower	2	0,36	28134384	91,49

600x600 mm metal square panel used for radiant false ceilings accessible for inspection and consisting of standard 600x600 mm square panels installed on T-shaped exposed structures with a 24 mm base. It consists of a white 5/10 thick aluminium radiant surface, with a lower 8 mm 90° profile, coupled to a felt in TNT VILEDON and equipped with an **insulating layer of 30 mm stone wool (*)** , with 2 circuits inside PE-Xc 8x1 pipe with oxygen barrier.
Class of reaction fire: B-s2, d0 (EN 13501-1)

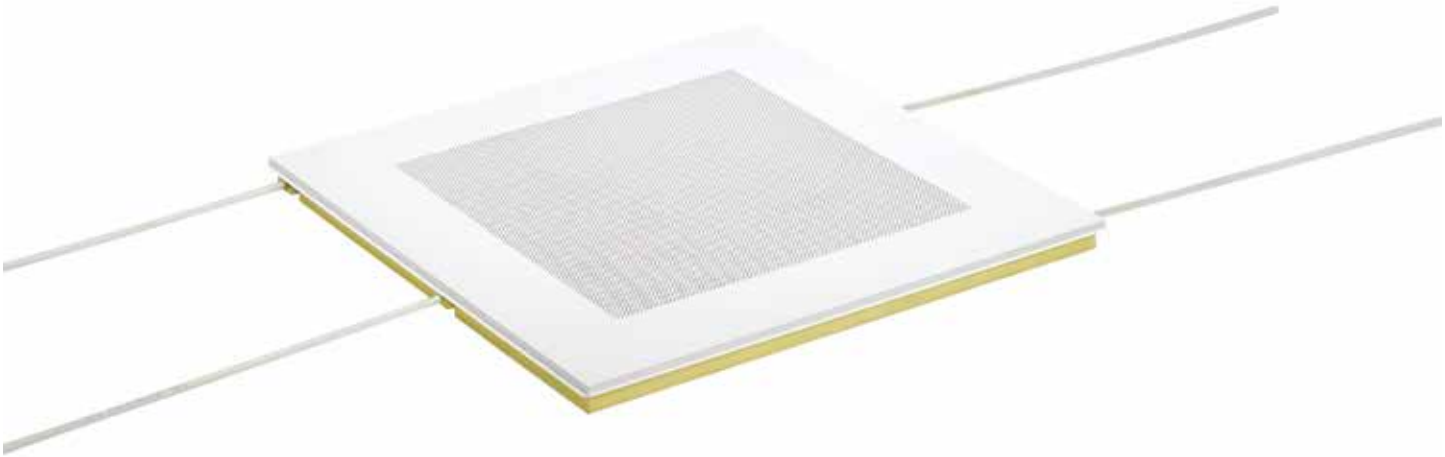
Drilling: 25% area; hole diameter 2 mm; smooth side panel: 100 mm

Article on request: 40 days from order confirmation.

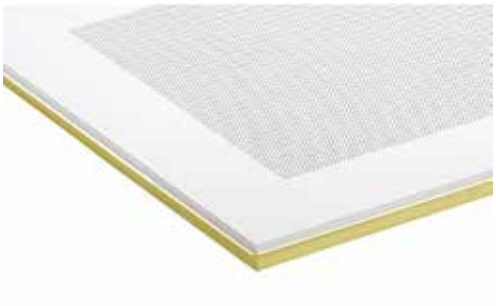
METAL RADIANT SQUARE PANEL technical data	Norm	Referring
Reaction to fire	EN 13964:2007, 4.4.2.2	A2 s1 d0
Flexural strength	EN 13964:2007, 4.6.2	Class 1
Sound absorption	EN 13964:2007, 4.7.2	Class C

ROCK WOOL technical data	Norm	U.M.	Referring
Nominal density	EN 1602	kg/m³	80
Thermal conductivity λ	EN 12667	W/mK	0.035
Water absorption	EN 1609	kg/m²	WS ≥ 1
Fire classification	EN 13501-1	Euroclass	A1

PIPE technical data	Norm	U.M.	Referring
Type	DIN 4724		PE-Xc
Dimension		mm	8x1
Oxygen permeability	DIN 4726	mg/(m² d)	≤ 0,32 (40 °C)
Thermal conductivity λ	DIN 52612	W/mK	0.4
Average linear expansion coefficient		mm/m °C	0.15
Degree of reticulation	UNI EN 579	%	≥ 60
Minimum radius of curvature		mm	5 x D pipe
Average surface roughness		μ	7
Lenght of individual circuit		m	1.7 (2.2 includes free ends)
Circuit/passage lenght		cm	Serpentine 10
Water capacity		l/m	0.028



Metal modules system



Perforated metal passive square panel

Size	Nr. internal circuits	m²/square panel	Code	Price/square €
600x600 white lower	-	0,36	28134386	52,29

600x600 mm metal square panel used for radiant false ceilings accessible for inspection and consisting of standard 600x600 mm square panels installed on T-shaped exposed structures with a 24 mm base. It consists of a white 5/10 thick aluminium radiant surface, with a lower 8 mm 90° profile, coupled to a felt in TNT VILEDON and equipped with an **insulating layer of 30 mm stone wool (*).**

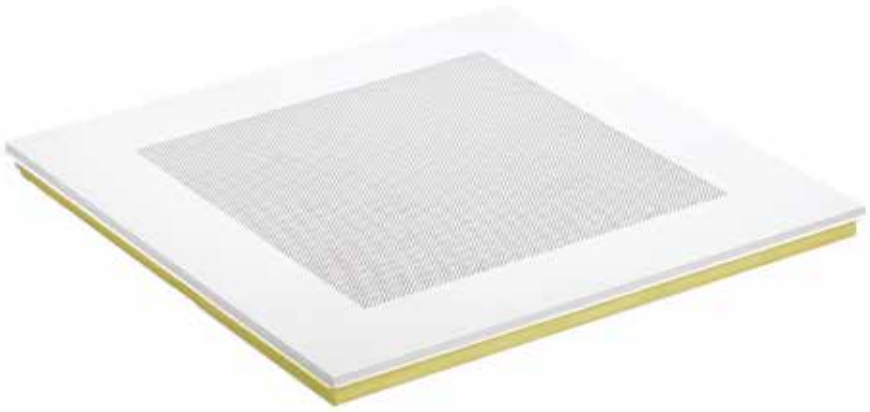
Class of reaction fire: B-s2, d0 (EN 13501-1)

Drilling: 25% area; hole diameter 2 mm; smooth side panel: 100 mm

Article on request: 40 days from order confirmation.

METAL RADIANT SQUARE PANEL technical data	Norm	Referring
Reaction to fire	EN 13964:2007, 4.4.2.2	A2 s1 d0
Flexural strength	EN 13964:2007, 4.6.2	Class 1
Sound absorption	EN 13964:2007, 4.7.2	Class C

ROCK WOOL technical data	Norm	U.M.	Referring
Nominal density	EN 1602	kg/m³	80
Thermal conductivity λ	EN 12667	W/mK	0.035
Water absorption	EN 1609	kg/m²	WS ≥ 1
Fire classification	EN 13501-1	Euroclass	A1



Connectors and distributors

Connectors and distributors for multilayer pipe Gerpex RA 20x2 and pipe PE-Xc 8x1

Description
Push-fit connection fittings equipped with a double hydraulic sealing O-ring (inside PEX/AL/PEX 20x2 pipe, outside PE-Xc 8x1 pipe) and pipe-guide adaptor.
The mechanical seal is ensured by a stainless steel ring fitted with teeth that grip the external wall of the pipes, placed behind the O-rings to prevent possible damage to the surface of the pipes. If necessary, the pipe can be disconnected from the fitting using the patented bayonet system.
The 20x2 multilayer pipe will always be correctly inserted thanks to the small circular openings on the body, while the 8x1 pipe is helped by the transparent material terminals in this size are made of.

Technical data
Body: in 6.6 nylon reinforced with glass fibre
O-ring: in EPDM
Serrated hose-clamp: in stainless steel
Maximum temperature: 60 °C
Minimum temperature: 2 °C
Maximum pressure at 60 °C: 2 bar
Maximum pressure at 20 °C: 5 bar



Straight connector

Dimension	Pcs. pack	Code	Price €
20x20	2	28134300	16,29
8x8	10	28134400	7,55



Kit 2 straight fittings intercepted

Dimension	Pcs. pack	Code	Price €
8x8	1	28134328	80,59

Suitable to intercept a circuit without draining the system



Tee connector

Dimension	Pcs. pack	Code	Price €
20x20x20	2	28134304	23,88



1-way distributor

Dimension	Pcs. pack	Code	Price €
20x8x20	2	28134410	23,78

Connectors and distributors for multilayer pipe



2-ways distributor

Dimension	Pcs. pack	Code	Price €
20x8x8x20	2	28134412	31,47



1-way opposed distributor

Dimension	Pcs. pack	Code	Price €
20x8x8x20	2	28134414	32,00



2-ways opposed distributor

Dimension	Pcs. pack	Code	Price €
20x8x8x8x8x20	2	28134416	53,65



Plug

Dimension	Pcs. pack	Code	Price €
20	20	28134314	1,51
8	20	28134316	1,29

Suitable for plugging unused holes of fittings and distributors of a matching size



Pipe drilling

Dimension	Pcs. pack	Code	Price €
8/20	1	28134329	1,39

Suitable to mark on the pipes 20x2 and 8x1 the correct insertion depth when used with fittings and distributors with black 8x1 terminal. Also provided in the manual supplied with the system, with each shipment.



Pair of Insulating shells for fittings and distributors

Dimension	Pcs. pack	Code	Price €
For straight connector 20x20	1	28135020	49,98
For Tee connector	1	28135022	46,16
For 1-way distributor	1	28135024	34,86
For 2-ways distributor	1	28135026	44,49
For 1-way opposed distributor	1	28135028	38,01
For 2-way opposed distributor	1	28135030	38,16

In closed cell polyethylene foam, edges with double-sided tape.
Can be used with previous fittings codes 28134300, 28134304, 28134306, 28134308, 28134310 and 28134312 from the 2017 and preceding Heating and Plumbing and Solar Energy catalogues.

Topway Compact - distribution manifold



Kit distribution manifold nickel-plated, with 24x19 and 3/4" Eurocone takeoffs (flow and return) and flow meters

Complete with:
Built-in flow meters (0÷4 l/min)
Valves with manual adjustment predisposed for electrothermal heads
Note: nr. 2 Progress ball valves size 1" with red and blue lever, with or without pipe union for thermometer and thermometer, are supplied optionally.
For installation in metal cabinet, for 80 mm brick thickness, insert the collars of the brackets on B-B references.

Size	Ways	Thread	Pcs. pack	Code	Price €
1"	2+2	24x19	1	01297280	134,50
1"	3+3	24x19	1	01297282	166,70
1"	4+4	24x19	1	01297284	198,80
1"	5+5	24x19	1	01297286	233,10
1"	6+6	24x19	1	01297288	268,00
1"	7+7	24x19	1	01297290	301,80
1"	8+8	24x19	1	01297292	338,10
1"	9+9	24x19	1	01297294	372,50
1"	10+10	24x19	1	01297296	420,40
1"	11+11	24x19	1	01297298	459,80
1"	12+12	24x19	1	01297300	492,20
1" (*)	2+2	3/4" Eurocone	1	01297610	137,20
1" (*)	3+3	3/4" Eurocone	1	01297612	170,80
1" (*)	4+4	3/4" Eurocone	1	01297614	204,40
1" (*)	5+5	3/4" Eurocone	1	01297616	240,30
1" (*)	6+6	3/4" Eurocone	1	01297618	276,30
1" (*)	7+7	3/4" Eurocone	1	01297620	311,60
1" (*)	8+8	3/4" Eurocone	1	01297622	349,20
1" (*)	9+9	3/4" Eurocone	1	01297624	385,00
1" (*)	10+10	3/4" Eurocone	1	01297626	434,50
1" (*)	11+11	3/4" Eurocone	1	01297628	475,20
1" (*)	12+12	3/4" Eurocone	1	01297630	509,10

(*) Items to be availables on order

Note: blind plug 1" M code 90004830 are not included.

Dimensions: see section Technical Attachments.

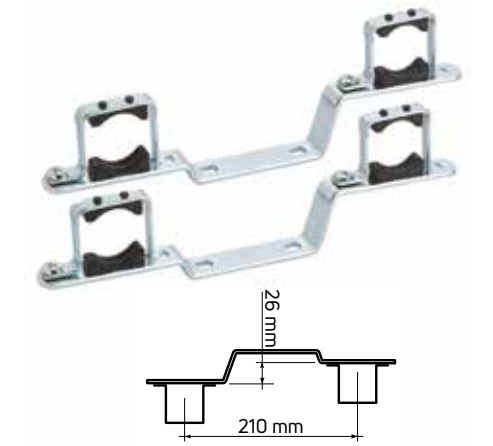
Accessories for Topway Compact manifold



Pair of therminal Tee with manually air vent valve and adjustable bibcock

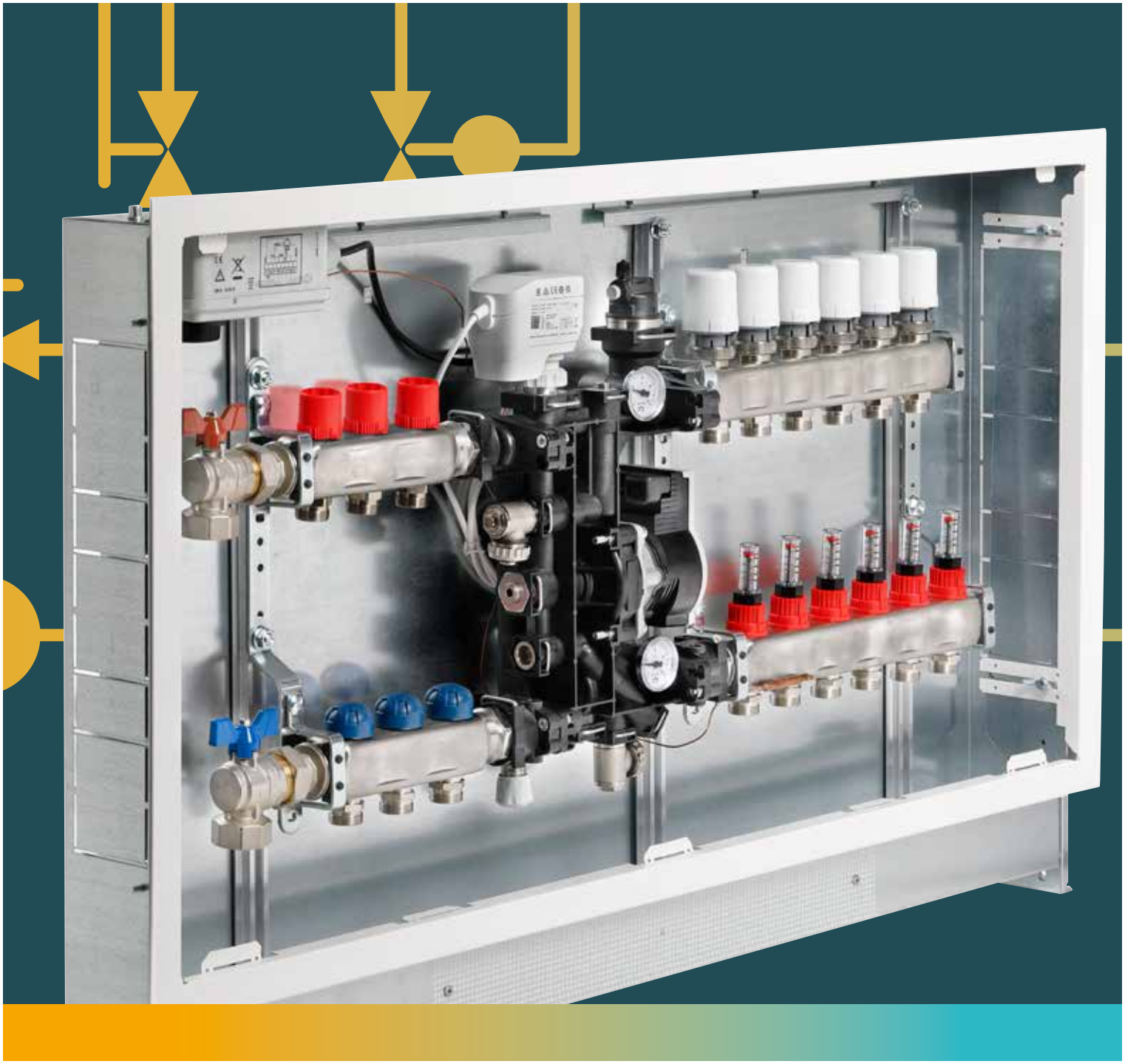
Size	Pcs. pack	Code	Price €
1"	1	01306158	44,58

With O-Ring.
Supplied with manually air vent valve1/2" and charge/drain water bibckocs 1/2" with adjustable connection 3/4".



Pair of double metal support

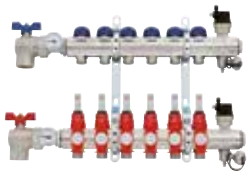
Size	Tekeoffs	Pcs. pack	Code	Price €
1"	210 mm	1	90011570	14,54



Manifolds, boxes and motorized ball valves

WEB

SCAN

> Bars manifolds

137

> Accessories for manifolds

165

> Sanitary manifold

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> Control T Electro-thermic heads

172

> Electric boxes

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> Industrial manifold

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> Cabinets for manifolds

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> Mixer Coplanar steel manifold

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> Brass manifolds

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> Built-in box for water

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> Brass manifolds with bibcocks

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> Motor driven ball-valve

187

> Regulation groups

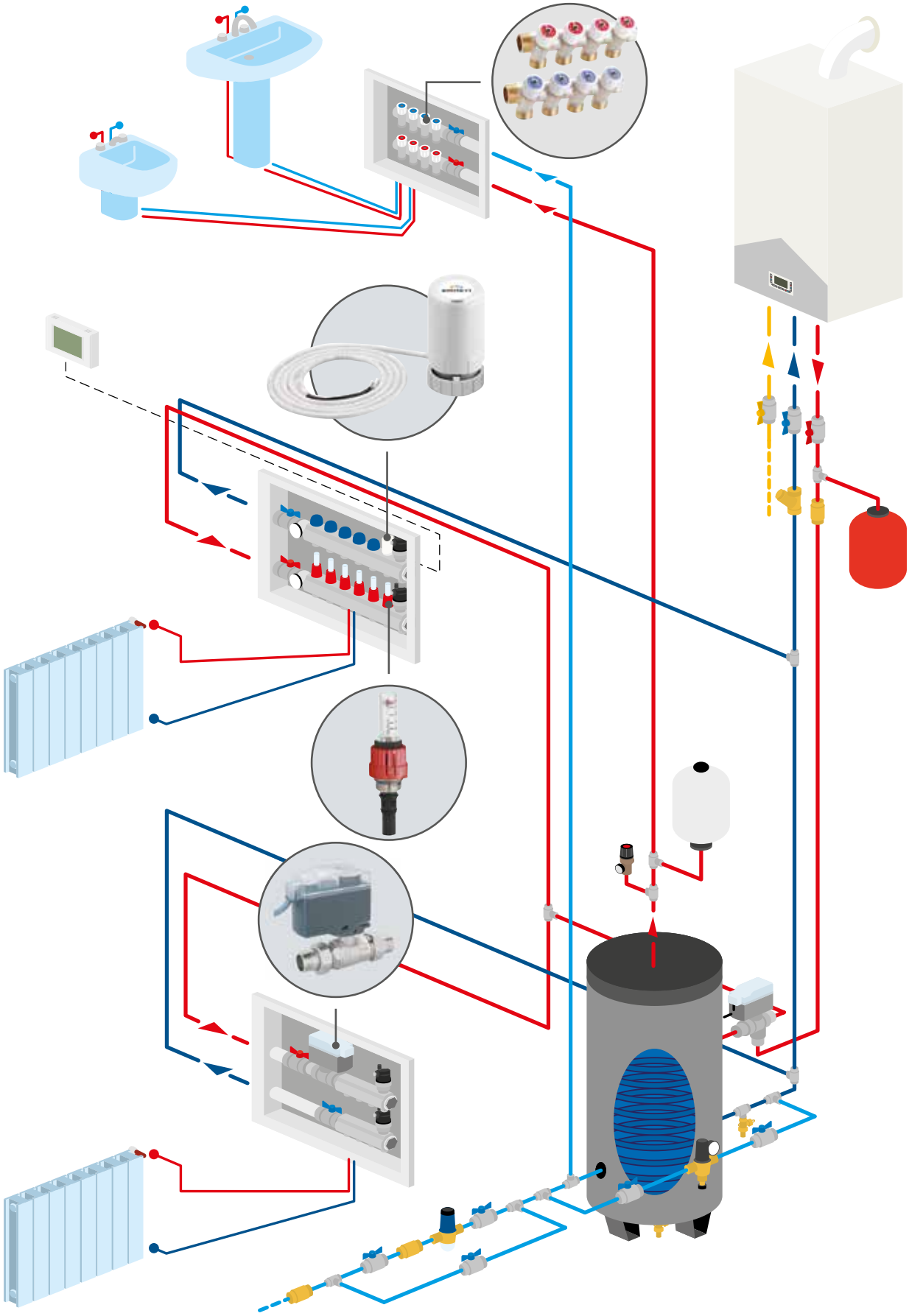
193

> Distribuion groups

208

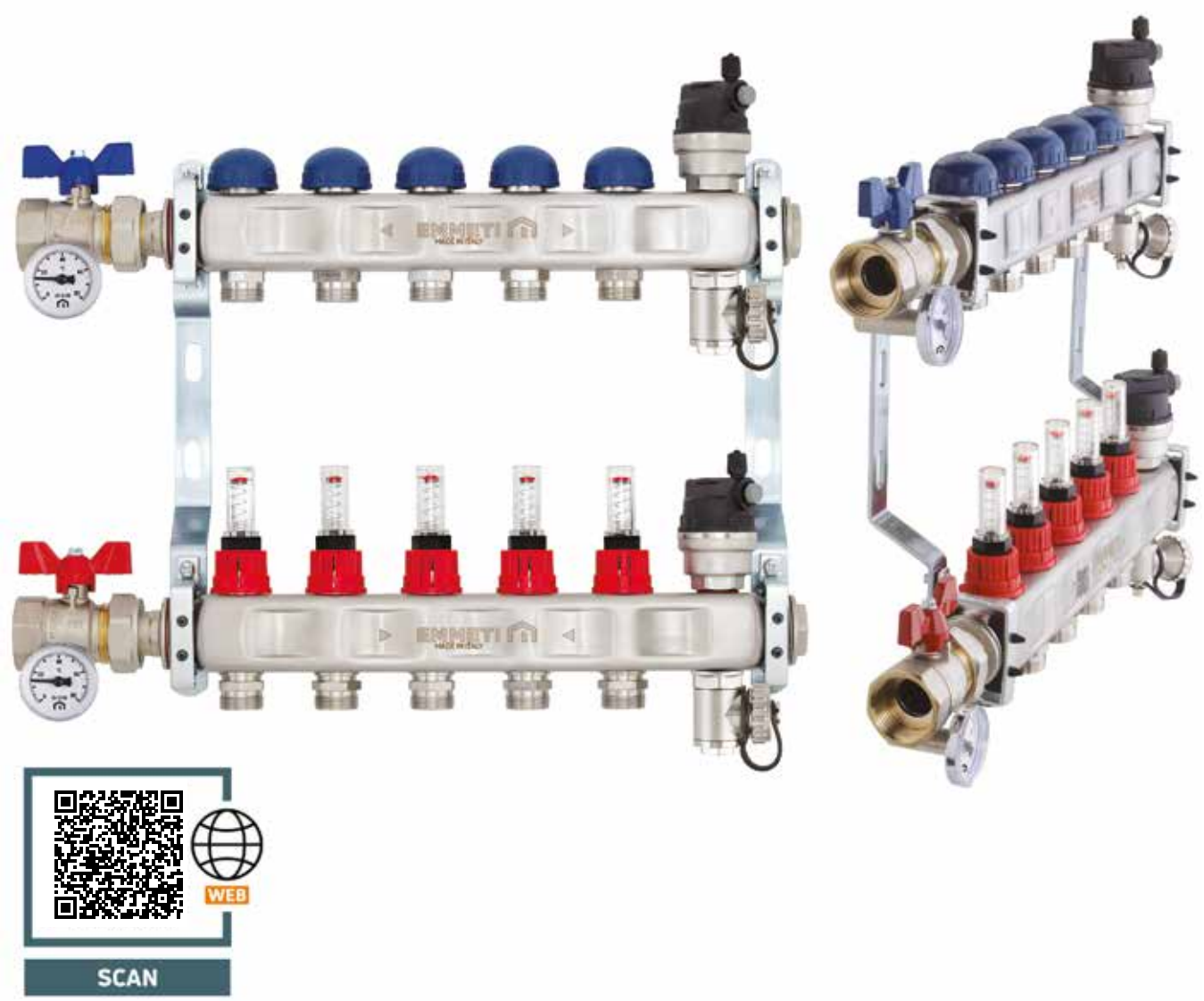


Example of installation



Topway S

Kit stainless steel distribution manifold



Advantages
- High resistance material: stainless steel AISI 304 (brushed finish) for safer use and greater durability;
- Fixing supports supplied;
- Automatic air vent valves;
- Patented flow meters;
- Easy to connect: 24x19 or 3/4" Eurocone takeoffs;
- Possibility of connecting from 2 to 12 circuits;
- Return manifolds with valves controlled by electro-thermic actuators (M30x1,5).

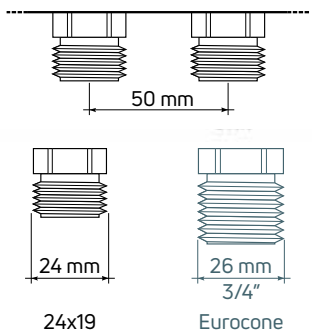
Technical Data
Stainless steel AISI 304 manifolds with a high nickel content and copper-free for increased corrosion resistance.
Seals: peroxide EPDM o-rings.
Maximum temperature: 90 °C.
Maximum pressure: 6 bar.
Head threads: G1" F.
Takeoff threads: 24x19 - 3/4" Eurocone, distance between connections 50 mm.

Dimensions: see section Technical Attachments.

Kit stainless steel distribution manifold







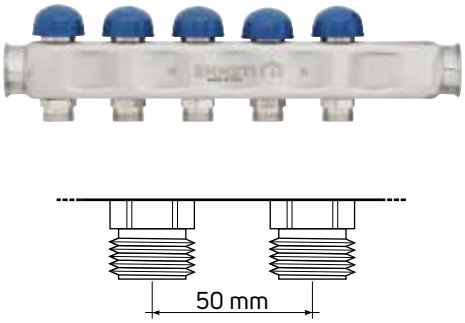
24x19 Eurocone

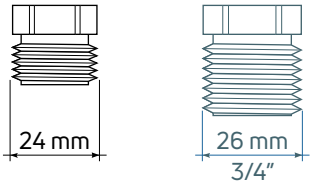
Kit Topway S - stainless steel distribution manifold 1"

Supplied with:
Lockshields with built-in flow meters (0÷4 l/min)
Manual regulation valves for electro-thermic actuators
No. 2 blanking plugs 1" with o-ring seal
No. 2 drain valves 1/2"
No. 2 air vent valves 1/2" with bleed (lateral+manual)
No. 2 double metal brackets
Note: to be completed with n. 2 1" Progress ball valves with red and blue butterfly handles, with or without thermometer holder and thermometer (not included).

Dimension	Ways	Takeoffs	Pcs. pack	Code	Price €
1"	2+2	24x19	1	01282200	171,90
1"	3+3	24x19	1	01282202	198,50
1"	4+4	24x19	1	01282204	227,20
1"	5+5	24x19	1	01282206	256,00
1"	6+6	24x19	1	01282208	284,80
1"	7+7	24x19	1	01282210	313,60
1"	8+8	24x19	1	01282212	341,90
1"	9+9	24x19	1	01282214	381,40
1"	10+10	24x19	1	01282216	413,10
1"	11+11	24x19	1	01282218	439,60
1"	12+12	24x19	1	01282220	466,40
1"	2+2	3/4" Eurocone	1	01282290	175,00
1"	3+3	3/4" Eurocone	1	01282292	203,20
1"	4+4	3/4" Eurocone	1	01282294	233,40
1"	5+5	3/4" Eurocone	1	01282296	263,70
1"	6+6	3/4" Eurocone	1	01282298	294,00
1"	7+7	3/4" Eurocone	1	01282300	324,60
1"	8+8	3/4" Eurocone	1	01282302	354,10
1"	9+9	3/4" Eurocone	1	01282304	395,20
1"	10+10	3/4" Eurocone	1	01282306	428,60
1"	11+11	3/4" Eurocone	1	01282308	456,70
1"	12+12	3/4" Eurocone	1	01282310	484,90

Kit stainless steel distribution manifold

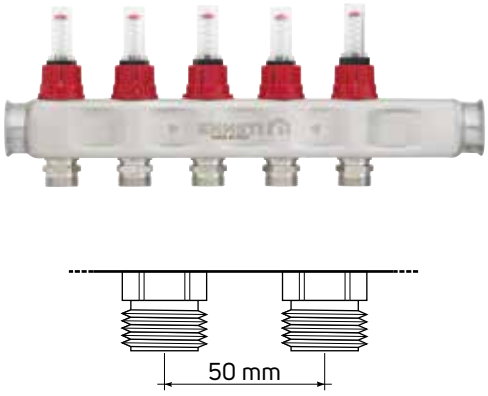


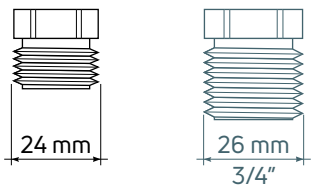


24x19 Eurocone

Topway S - single bar return manifold, with valves and with additional way

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2	24x19	2	01282760	49,04
1"	3	24x19	2	01282762	62,05
1"	4	24x19	2	01282764	75,37
1"	5	24x19	2	01282766	88,38
1"	6	24x19	2	01282768	101,90
1"	7	24x19	2	01282770	114,90
1"	8	24x19	2	01282772	128,10
1"	9	24x19	2	01282774	141,10
1"	10	24x19	2	01282776	154,20
1"	11	24x19	2	01282777	167,20
1"	12	24x19	2	01282779	180,10
1"	2	3/4" Eurocone	2	01282910	48,40
1"	3	3/4" Eurocone	2	01282912	62,63
1"	4	3/4" Eurocone	2	01282914	77,54
1"	5	3/4" Eurocone	2	01282916	91,26
1"	6	3/4" Eurocone	2	01282918	103,90
1"	7	3/4" Eurocone	2	01282920	119,30
1"	9	3/4" Eurocone	2	01282922	133,30
1"	8	3/4" Eurocone	2	01282924	151,60
1"	10	3/4" Eurocone	2	01282926	166,00
1"	11	3/4" Eurocone	2	01282928	179,90
1"	12	3/4" Eurocone	2	01282930	194,20





24x19 Eurocone

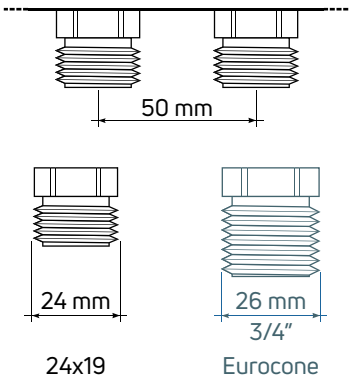
Topway S - single bar flow manifold, with flow meters and with additional way

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2	24x19	2	01282790	54,32
1"	3	24x19	2	01282792	69,93
1"	4	24x19	2	01282794	85,81
1"	5	24x19	2	01282796	101,60
1"	6	24x19	2	01282798	117,50
1"	7	24x19	2	01282800	133,20
1"	8	24x19	2	01282802	148,80
1"	9	24x19	2	01282804	164,50
1"	10	24x19	2	01282806	180,10
1"	11	24x19	2	01282808	195,80
1"	12	24x19	2	01282810	211,40
1"	2	3/4" Eurocone	2	01282940	52,97
1"	3	3/4" Eurocone	2	01282942	69,49
1"	4	3/4" Eurocone	2	01282944	86,75
1"	5	3/4" Eurocone	2	01282946	102,90
1"	6	3/4" Eurocone	2	01282948	117,30
1"	7	3/4" Eurocone	2	01282950	135,20
1"	9	3/4" Eurocone	2	01282952	151,20
1"	8	3/4" Eurocone	2	01282954	172,30
1"	10	3/4" Eurocone	2	01282956	189,00
1"	11	3/4" Eurocone	2	01282958	205,50
1"	12	3/4" Eurocone	2	01282960	222,10

Kit stainless steel distribution manifold



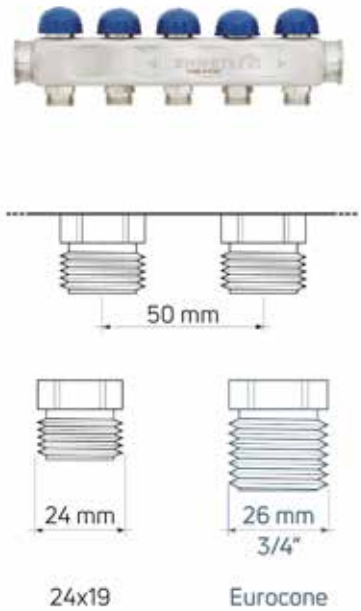




Kit Topway S Compact - stainless steel distribution manifold

Complete with:
Built-in flowmeters (0÷4 l/min)
Valves with manual adjustment predisposed for electrothermal heads
Nr. 2 water drain valve 1/2" with plug - Nr. 2 metal brackets for installation in metal box or wall

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2+2	24x19	2	01282620	151,00
1"	3+3	24x19	2	01282622	172,60
1"	4+4	24x19	2	01282624	201,20
1"	5+5	24x19	2	01282626	229,70
1"	6+6	24x19	2	01282628	258,80
1"	7+7	24x19	2	01282630	287,50
1"	8+8	24x19	2	01282632	315,80
1"	9+9	24x19	2	01282634	354,60
1"	10+10	24x19	2	01282636	384,50
1"	11+11	24x19	2	01282638	411,50
1"	12+12	24x19	2	01282640	438,50
1"	2+2	3/4" Eurocone	2	01282320	154,70
1"	3+3	3/4" Eurocone	2	01282322	178,60
1"	4+4	3/4" Eurocone	2	01282324	208,60
1"	5+5	3/4" Eurocone	2	01282326	238,50
1"	6+6	3/4" Eurocone	2	01282328	268,50
1"	7+7	3/4" Eurocone	2	01282330	298,90
1"	8+8	3/4" Eurocone	2	01282332	329,20
1"	9+9	3/4" Eurocone	2	01282334	359,00
1"	10+10	3/4" Eurocone	2	01282336	389,00
1"	11+11	3/4" Eurocone	2	01282338	419,10
1"	12+12	3/4" Eurocone	2	01282340	449,40

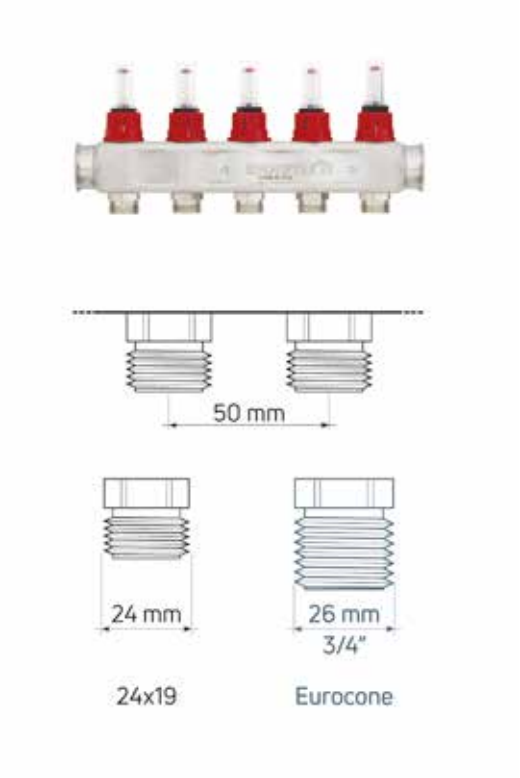


Topway S Compact - single bar return manifold, with valves, without additional way

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2	24x19	2	01282820	42,92
1"	3	24x19	2	01282822	56,60
1"	4	24x19	2	01282824	70,69
1"	5	24x19	2	01282825	84,16
1"	6	24x19	2	01282828	95,92
1"	7	24x19	2	01282830	111,10
1"	8	24x19	2	01282832	124,60
1"	9	24x19	2	01282834	142,20
1"	10	24x19	2	01282836	155,90
1"	11	24x19	2	01282838	169,80
1"	12	24x19	2	01282840	183,20
1"	2	3/4" Eurocone	2	01282650	45,38
1"	3	3/4" Eurocone	2	01282652	58,28
1"	4	3/4" Eurocone	2	01282654	71,20
1"	5	3/4" Eurocone	2	01282656	84,39
1"	6	3/4" Eurocone	2	01282658	97,31
1"	7	3/4" Eurocone	2	01282660	110,80
1"	9	3/4" Eurocone	2	01282662	123,40
1"	8	3/4" Eurocone	2	01282664	136,20
1"	10	3/4" Eurocone	2	01282666	149,10
1"	11	3/4" Eurocone	2	01282668	163,20
1"	12	3/4" Eurocone	2	01282670	175,90

Availables on request

Kit stainless steel distribution manifold



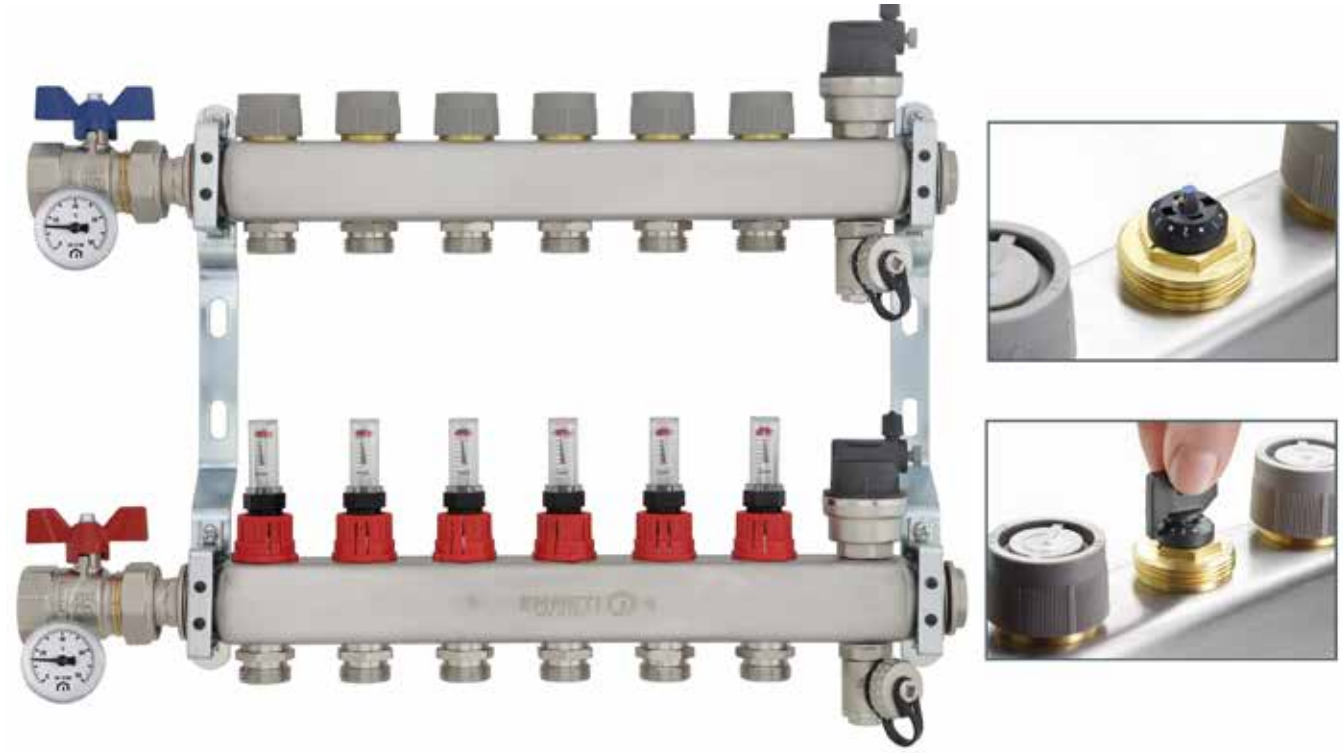
Topway S Compact - single bar flow manifold, with flow meters, without additional way

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2	24x19	2	01282850	46,89
1"	3	24x19	2	01282852	62,53
1"	4	24x19	2	01282854	78,66
1"	5	24x19	2	01282856	94,10
1"	6	24x19	2	01282858	107,80
1"	7	24x19	2	01282860	120,20
1"	8	24x19	2	01282862	130,90
1"	9	24x19	2	01282864	145,80
1"	10	24x19	2	01282866	156,60
1"	11	24x19	2	01282868	167,60
1"	12	24x19	2	01282870	178,40
1"	2	3/4" Eurocone	2	01282880	48,43
1"	3	3/4" Eurocone	2	01282882	64,89
1"	4	3/4" Eurocone	2	01282884	81,85
1"	5	3/4" Eurocone	2	01282886	98,06
1"	6	3/4" Eurocone	2	01282888	112,40
1"	7	3/4" Eurocone	2	01282890	130,50
1"	9	3/4" Eurocone	2	01282892	146,40
1"	8	3/4" Eurocone	2	01282894	167,60
1"	10	3/4" Eurocone	2	01282896	184,00
1"	11	3/4" Eurocone	2	01282898	200,50
1"	12	3/4" Eurocone	2	01282900	217,30

Availables on request

Topway S-D

Distribution manifold in stainless steel, with automatic dynamic balancing of the flow rate of the individual circuits



WEB

SCAN

Advantages
The new Topway S-D stainless steel manifold is characterized by the return bars, equipped with special inserts (dynamic valves) with continuous flow regulation and a membrane mechanism that guarantees automatic hydraulic balancing of the radiant heating and cooling systems. regardless of the differential pressure. Even in the presence of highly oscillating differential pressures, which can occur in the event of opening or closing sections of the system, the flow rate is kept constant within the adjustment range. To set the project flow rate, the appropriate numbered ring nut (liters / min) is rotated using the special plastic key supplied. The insert has an interception device which, in combination with electrothermal actuators, M30x1.5 connection, and room thermostats, can be used to regulate the temperature of the single room. The delivery manifold is equipped with interception devices complete with indicators to check the actual passage of the flow.

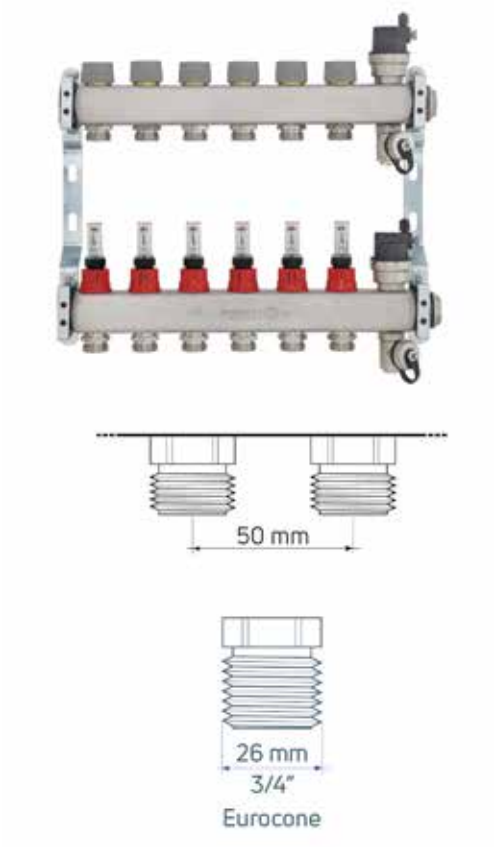
Technical data
Distribution bars: AISI 304 stainless steel with high nickel content and without copper for greater resistance to corrosion.
Sealing gasket: peroxide EPDM.
Maximum operating temperature: + 80 ° C
Minimum operating temperature: + 2 ° C
Maximum operating pressure: 6 bar (600 kPa)
Flow rate adjustment range: 0.5-5 l / min
Head threads: G1 "F.
Outlets threads: 3/4 "Eurocone
Center line between ports: 50 mm
Actuator connection thread: M30x1.5
Piston stroke: 1.8 mm
Closing dimension: 11.8 mm
Closing force (actuator): 90 - 150 N

Adjustment range:
Δp max : 150 kPa (1,5 bar)
Δp min. (0,5 - 2 l/min): 10 kPa (0,10 bar)
Δp min. (>2 - 2,8 l/min): 15 kPa (0,15 bar)
Δp min. (>2,8 - 5 l/min): 20 kPa (0,20 bar)

For values lower than Δp min. the valve works like a normal valve with thermostatic option, therefore the flow rate varies according to the differential pressure.

Dimensions and technical data: see section Technical Attachments.

Distribution manifold in stainless steel



1" Topway S-D pre-assembled distribution manifold in steel with automatic dynamic balancing of the flow rate of the individual circuits

Supplied with:
Lockshields with built-in flow indicators
Dynamic valves with continuous flow regulation, 0.5 - 5 l / min, designed for electro-thermal heads
Nr. 2 1" blind plugs with o-ring gasket
Nr. 2 1/2" water drain valves
Nr. 2 1/2" air vent valves with vent (automatic + manual)
Nr. 2 double metal supports
Nr. 1 key for adjusting the dynamic valves (supplied)
Note: to be completed with no. 2 Progress 1" ball valve with butterfly handle red and blue, with filler, with or without thermometer (not included).

Dimension	Way	Thread	Pcs. pack	Code	Price €
1"	2+2	3/4" Eurocone	1	01330022	246,80
1"	3+3	3/4" Eurocone	1	01330024	318,40
1"	4+4	3/4" Eurocone	1	01330026	387,60
1"	5+5	3/4" Eurocone	1	01330028	457,80
1"	6+6	3/4" Eurocone	1	01330030	529,80
1"	7+7	3/4" Eurocone	1	01330032	601,20
1"	8+8	3/4" Eurocone	1	01330034	672,60
1"	9+9	3/4" Eurocone	1	01330036	746,10
1"	10+10	3/4" Eurocone	1	01330038	816,30
1"	11+11	3/4" Eurocone	1	01330040	891,10
1"	12+12	3/4" Eurocone	1	01330042	961,20



Monoblocco 2.0 3/4" Eurocone fitting for Multilayer, PE-X and PE-RT pipe

Construction

1. Nut in nickel-plated brass UNI EN 12165 CW617N
2. Adapter in brass UNI EN 12164 CW617N
3. Washer in PTFE, dielectric
4. Serrated hose-clamp in brass UNI EN 12164 CW614N
5. O-ring seals EPDM

Dimension	Thread	Pcs. pack	Code	Price €
16 x 2 (with o-ring)	3/4" Eurocone	10	28110606	4,80
17 x 2 (with o-ring)	3/4" Eurocone	10	28110608	4,75

PATENT PENDING



3/4" Eurocone Monobloc seal for Multilayer, PE-X, PE-RT pipes

Dimension	Thread	Pcs. pack	Code	Price €
12 x 2	3/4" Eurocone	10	28100788	6,96
20 x 2	3/4" Eurocone	10	28100798	6,62

PATENT PENDING

Accessories for Topway S and Topway S-D

Ball valves kit for Topway S and Topway S-D manifolds



Technical data
Valve body thread with Female connection: UNI EN 10226-1 (ISO 7-1: 1994)
Male connection valve sleeve thread: UNI EN ISO 228-1
Shank and nut thread: UNI EN ISO 228-1
REDUCED PASSAGE

Flow direction: in both directions
Minimum and maximum working temperature: -20 ° C / + 120 ° C **
Maximum pressure (T = 120 ° C): 10 bar
Nominal pressure (T = 20 ° C): PN 40
** In the absence of steam; use with water and glycol mixtures for temperatures below 0 ° C
The valves must be used in the fully open or closed position.

Sealing O-Ring
Upper shaft seal O-Ring: VITON 70 Sh A (ASTM D2240)
Lower shaft seal O-Ring: EPDM Peroxide 70 Sh A (ASTM D2240)
Shank O-Ring: Peroxide EPDM 70 Sh A (ASTM D2240)



Right-angle Progress ball valves with pipe union and thermometer

Dimension	Pcs. pack	Code	Price €
1"	1	01306714	76,00

UNI EN ISO 228/1 threads - Reduced pitch (DN 20) - Thermometer scale 0-80 °C
Use the pair of red O-rings for valve installation on steel Topway S manifolds and the pair of black O-rings for valve installation on Topway brass manifolds. Both pairs of O-rings are supplied in the package.



Right-angle Progress ball valves with pipe union

Dimension	Pcs. pack	Code	Price €
1"	1	01306712	58,89

UNI EN ISO 228/1 threads - Reduced pitch (DN 20)
Use the pair of red O-rings for valve installation on steel Topway S manifolds and the pair of black O-rings for valve installation on Topway brass manifolds. Both pairs of O-rings are supplied in the package.



Right-angle Progress ball valve with pipe union and thermometer

Dimension	Pcs. pack	Code	Price €
1"	1	01306858	70,47

UNI EN ISO 228/1 threads - Reduced bore (DN 20) - Thermometer scale 0-80 °C
Use the pair of red O-Rings for valve installation on Topway S steel manifolds, and the pair of black O-Rings for valve installation on Topway brass manifolds. Both pairs of O-Rings are supplied in the package.



Right-angle Progress ball valve with pipe union

Dimension	Pcs. pack	Code	Price €
1"	1	01306856	54,39

UNI EN ISO 228/1 threads - Reduced passage (DN 20)
Use the pair of red O-Rings for valve installation on Topway S steel manifolds, and the pair of black O-Rings for valve installation on Topway brass manifolds. Both pairs of O-Rings are supplied in the package.



Straight Progress ball valves with pipe union, and thermometer

Dimension	Pcs. pack	Code	Price €
1"	1	01306710	57,97

UNI EN ISO 228/1 threads - Reduced bore (DN 20) - Thermometer scale 0-80 °C
Use the pair of red O-Rings for valve installation on Topway S steel manifolds, and the pair of black O-Rings for valve installation on Topway brass manifolds. Both pairs of O-Rings are supplied in the package.

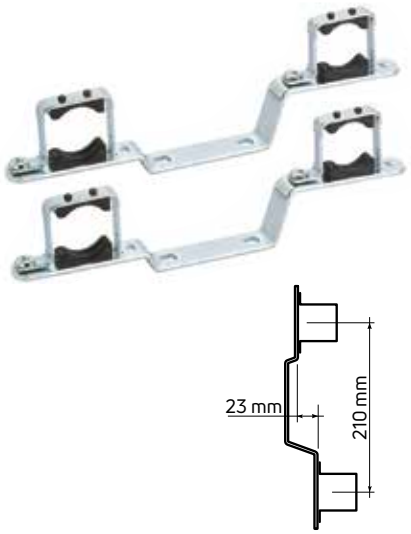


Straight Progress ball valves with pipe union

Dimension	Pcs. pack	Code	Price €
1"	1	01306708	42,80

UNI EN ISO 228/1 threads - Reduced passage (DN 20)
Use the pair of red O-Rings for valve installation on Topway S steel manifolds, and the pair of black O-Rings for valve installation on Topway brass manifolds. Both pairs of O-Rings are supplied in the package.

Accessories for Topway S and Topway S-D manifolds



Pair of double metal holder

Dimension	Take off	Pcs. pack	Code	Price €
1"	210 mm	1	01306826	13,93



Terminal kit with by-pass for steel and brass manifolds

Maximum working temperature: 110 °C.
Maximum working pressure: 6 bar.

Dimension	Pcs. pack	Code	Price €
For manifolds size 1" (*)	1	01307010	224,70

Thread UNI EN ISO 228-1
(*) Code 01307010 is equipped with a red O-ring on the upper union, for coupling with Topway S steel manifolds; to use the item in combination with the Topway brass manifolds, replace the red O-ring with the black one supplied in the package.

Dimensions and technical data: see section Technical Attachments.

Accessories for Topway S and Topway S-D



Splitter fitting

Connection Dimension	Pcs. pack	Code	Price €
24x19	2	01300000	21,79
3/4" Eurokone	2	28130606	20,34

Splitter fitting for manifolds with 24x19 or 3/4" Eurocone outlets, takeoffs 50 mm.
Takeoffs between splitter outlets: 36 mm.
Thread UNI EN ISO 228-1
Dimensions: see section Technical Attachments.



Kit lockshield with incorporated flow meter 0÷4 l/min

Dimension	Pcs. pack	Code	Price €
0÷4 l/min	4	01306810	9,12



Lockshield / flow meter seat

Dimension	Pcs. pack	Code	Price €
For manifold 1" - 24x19	4	01306812	4,52
For manifold 1" - 3/4" eurocone	4	01306814	5,31



Tecno-Varia air bleed valve 1/2" with plastic casing

Dimension	Pcs. pack	Code	Price €
1/2"	12	00400020	10,11



Charge and drain valve, nickel-plated with Male 3/4" adjustable connection

Dimension	Pcs. pack	Code	Price €
1/2"	4	01306824	13,46
1"	2	01300002	21,83



Couple of terminal with manual vent valve and adjustable bibcock

Dimension	Pcs. pack	Code	Price €
1" with O-ring	1	01306158	44,58

Supplied with:
- 1/2" manual vent valve
- 1/2" water bibcock for water charge/drain with adjustable 3/4" connection.
For use on Topway S steel manifolds, replace the black O-Rings with the red ones supplied.
It can also be used in combination with Topway manifold (with appropriate black o-rings in the package).



Kit thermostatic shutter

Dimension	Pcs. pack	Code	Price €
For manifolds 1" - 24x19	4	01306816	7,85
For manifolds 1" - 3/4" Eurocone	4	01306818	9,97

Accessories for Topway S and Topway S-D



Nickel-plated blind plug

Dimension	Pcs. pack	Code	Price €
1/2" M with O-ring	30	90004930	1,95
1" M with O-ring	15	90004830	3,95
24 x 19 F blind monoblocco with O-ring	20	01321462	3,07

Thread UNI EN ISO 228-1



Nickel plated reduction

Dimension	Pcs. pack	Code	Price €
1" M x 3/8" F	15	90005060	6,30
1" M x 1/2" F	15	90004850	6,30
1" M x 3/4" F	15	90006870	4,04

With o-ring
Thread UNI EN ISO 228-1



Nickel-plated nipple, o-ring seal

Dimension	Pcs. pack	Code	Price €
1" M x 1" M	2	01306872	8,46

With o-ring
Thread UNI EN ISO 228-1



Thermometer Ø 40

Dimension	Pcs. pack	Code	Price €
0-80 °C	1	90006866	7,90



Tee union with pipe union for thermometer

Dimension	Pcs. pack	Code	Price €
24x19	1	90011760	11,89

24 mm gas thread adn 19 screw threads for inch.



Hand wheel for manual control

Dimension	Pcs. pack	Code	Price €
	6	01306112	2,13



Insulating shell for Topway S manifolds

Dimension	Pcs. pack	Code	Price €
1"	1	01306862	32,29

In closed cell cross-linked expanded polyethylene. No. of branch holes: 13, interval 50 mm.
To be cut to dimension according to the number of ways of the collector to be insulated.



Pair of insulating shells for right-angle kit valves, with or without thermometer holder, for Topway S manifolds

Dimension	Pcs. pack	Code	Price €
1"	1	01306864	16,32

In closed-cell crosslinked extruded polyethylene.



Pair of insulating shells for straight valve kit, with or without thermometer holder, for Topway S manifolds

Dimension	Pcs. pack	Code	Price €
1"	1	01306866	16,78

In closed-cell crosslinked extruded polyethylene.



Kit expansion vessel for connection to the distribution manifold Topway in boxes Metalbox

Dimension	Pcs. pack	Code	Price €
8 liters	1	07245370	117,10
10 liters	1	07245380	121,20

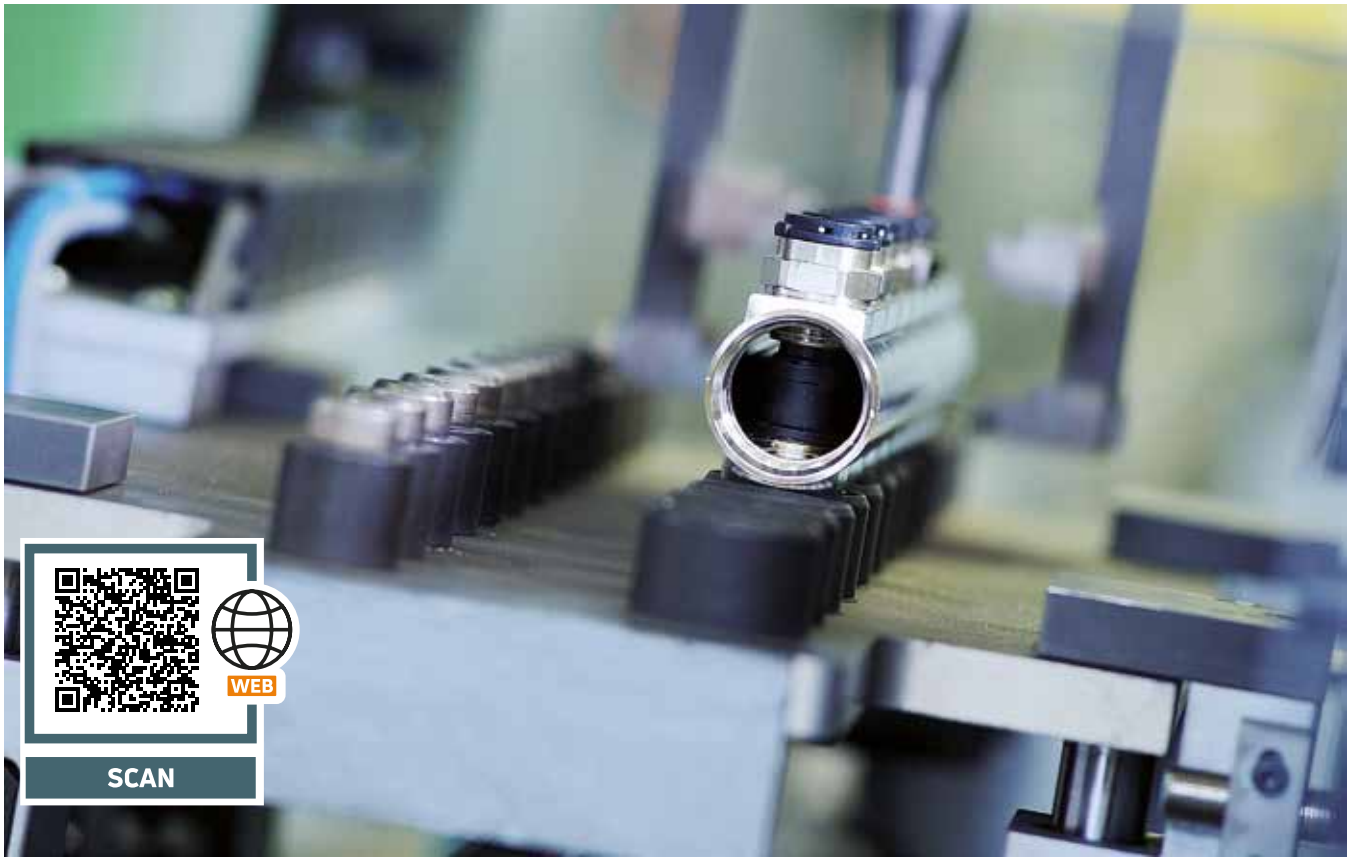
Complete with:
Expansion vessel 8 or 10 liters; mounting plate with screws for installation in box Metalbox; copper pipe Ø 18x1 prepared for connection tap loading / unloading 1/2" diameter copper pipe 10x1 derivation with nut 3/8" connection for expansion vessel; sealing block for copper pipe Ø 18x1; shank 1/2 "- 24x19 with o-ring for connection manifold Topway S 1"; gasket 3/8".

Note: Kit expansion vessel 10 liter can only be installed in boxes for partition of 120 mm.

Width 260 mm x height 490 mm

Dimensions: see section Technical Attachments.

Bars manifold



Uses
The Topway bar manifold, with its multitude of components and accessories, is the perfect solution to current system engineering needs. It offers flexible solutions for various system configurations.
This manifold makes it possible to set the temperature in any room through the installation of electro-thermal actuators so as to automatically control each circuit using a thermostat.
Special attention has been given to speed and ease of installation.
All of the parts combine easily with one another. Adjustment and control can be performed with precision using flow rate measurement devices that are already built into the manifold.
The performance features of the product, along with its high level of quality, ensured by the materials used and the demanding production controls, make it reliable and functional over time, reducing maintenance and allowing substantial energy savings.
Topway distribution manifolds are tested 100% prior to packaging.

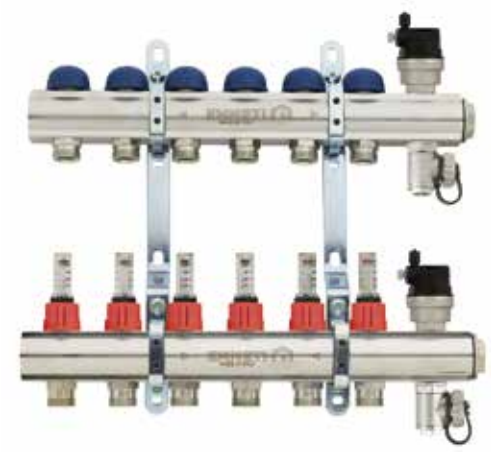
Construction
All Topway manifold distribution headers and accessories are nickel plated / brass.
Brass header retrieved through a bar drawing process
TN UNI EN 12168 CW614N.
Seals in EPDM

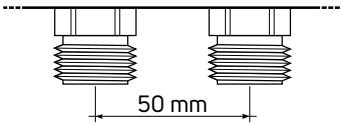
Technical data
Maximum operating temperature:
- 110 °C with lockshields
- 90° with flow meters
Maximum working pressure:
- 10 bar with lockshields
- 6 bar with flow meters
Head thread G 3/4" - 1" - 1"1/4
Outlets thread 24x19 - 3/4" Eurocone

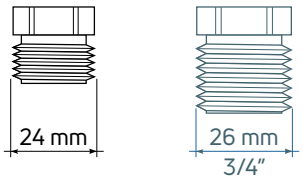
Note: 24x19 thread - 24 mm gas thread and 19 screw threads for inch.
Note: seal on thread of heads ONLY with o-ring.

DO NOT USE tapered threads.

Dimensions: see section Technical Attachments.







24x19 Eurocone

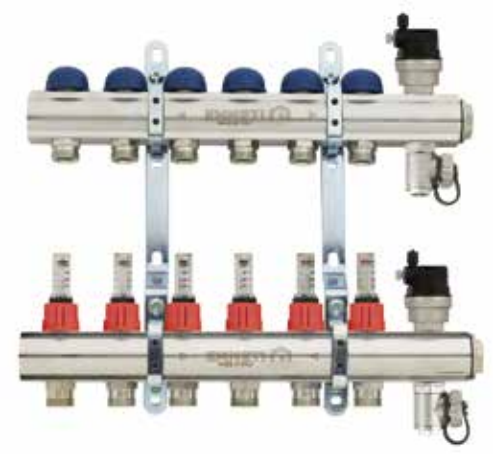
Pre-assembled distribution manifold nickel-plated, 24x19 takeoffs (flow and return) and 3/4" eurocone takeoffs (flow and return)

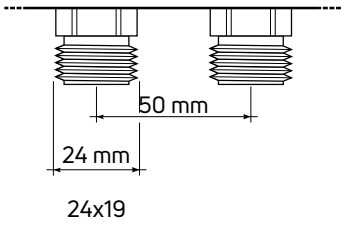
WITH 0÷4 l/min FLOW-METERS

Supplied together with:
Lockshields with flow meters included on inlet (0÷4 l/min)
Manual adjustment valves set up to take thermo-electric heads
Nr. 2 blanking plugs 1" or 1"1/4 complete with o-ring
Nr. 2 water drain valves 1/2" with plug
Nr. 2 Tecno-Varia air vent 1/2" with bleed (lateral + manual)
Nr. 2 double metal holders 1" or 1"1/4

Note:
to be completed with n. 2 1" or 1"1/4 Progress ball valves with red and blue butterfly handles, with or without thermometer holder and thermometer (not included).

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2+2	24x19	1	01298540	211,60
1"	3+3	24x19	1	01298542	244,30
1"	4+4	24x19	1	01298544	279,50
1"	5+5	24x19	1	01298546	315,10
1"	6+6	24x19	1	01298548	350,60
1"	7+7	24x19	1	01298550	386,00
1"	8+8	24x19	1	01298552	420,80
1"	9+9	24x19	1	01298554	469,30
1"	10+10	24x19	1	01298556	508,50
1"	11+11	24x19	1	01298558	541,20
1"	12+12	24x19	1	01298560	574,10
1"1/4	4+4	24x19	1	01298424	300,90
1"1/4	5+5	24x19	1	01298426	340,50
1"1/4	6+6	24x19	1	01298428	380,90
1"1/4	7+7	24x19	1	01298430	421,30
1"1/4	8+8	24x19	1	01298432	460,20
1"1/4	9+9	24x19	1	01298434	511,00
1"1/4	10+10	24x19	1	01298436	553,50
1"1/4	11+11	24x19	1	01298438	591,40
1"1/4	12+12	24x19	1	01298440	629,00
1"	2+2	3/4" Eurocone	1	01298570	215,40
1"	3+3	3/4" Eurocone	1	01298572	250,00
1"	4+4	3/4" Eurocone	1	01298574	287,20
1"	5+5	3/4" Eurocone	1	01298576	324,60
1"	6+6	3/4" Eurocone	1	01298578	361,80
1"	7+7	3/4" Eurocone	1	01298580	399,50
1"	8+8	3/4" Eurocone	1	01298582	435,90
1"	9+9	3/4" Eurocone	1	01298584	486,50
1"	10+10	3/4" Eurocone	1	01298586	527,50
1"	11+11	3/4" Eurocone	1	01298588	562,10
1"	12+12	3/4" Eurocone	1	01298590	596,80
1"1/4	6+6	3/4" Eurocone	1	01298458	389,90
1"1/4	7+7	3/4" Eurocone	1	01298460	430,60
1"1/4	8+8	3/4" Eurocone	1	01298462	470,60
1"1/4	9+9	3/4" Eurocone	1	01298464	522,80
1"1/4	10+10	3/4" Eurocone	1	01298466	567,80
1"1/4	11+11	3/4" Eurocone	1	01298468	605,80
1"1/4	12+12	3/4" Eurocone	1	01298470	644,80





24x19

Pre-assembled distribution manifold nickel-plated, 24x19 takeoffs (flow and return)

WITH 0÷2,5 l/min FLOW METERS

Supplied together with:
Lockshields with flow meters (0÷2,5 l/min)
Manual adjustment valves set up to take thermo-electric heads
Nr. 2 blind nipples 1" complete with o-ring
Nr. 2 water drain valves 1/2"
Nr. 2 air vent valves 1/2" with bleed (lateral+manual)
Nr. 2 dual metal holders 1"

Note:
to be completed with n. 2 1" Progress ball valves with red and blue butterfly handles, with or without thermometer holder and thermometer (not included).

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2+2	24x19	1	01285060	211,60
1"	3+3	24x19	1	01285062	244,30
1"	4+4	24x19	1	01285064	279,50
1"	5+5	24x19	1	01285066	315,10
1"	6+6	24x19	1	01285068	350,60
1"	7+7	24x19	1	01285070	386,00
1"	8+8	24x19	1	01285072	420,80
1"	9+9	24x19	1	01285074	469,30
1"	10+10	24x19	1	01285076	508,50
1"	11+11	24x19	1	01285078	541,20
1"	12+12	24x19	1	01285080	574,10

Topway Compact

Manifold for underfloor heating regulation and control



WEB

SCAN

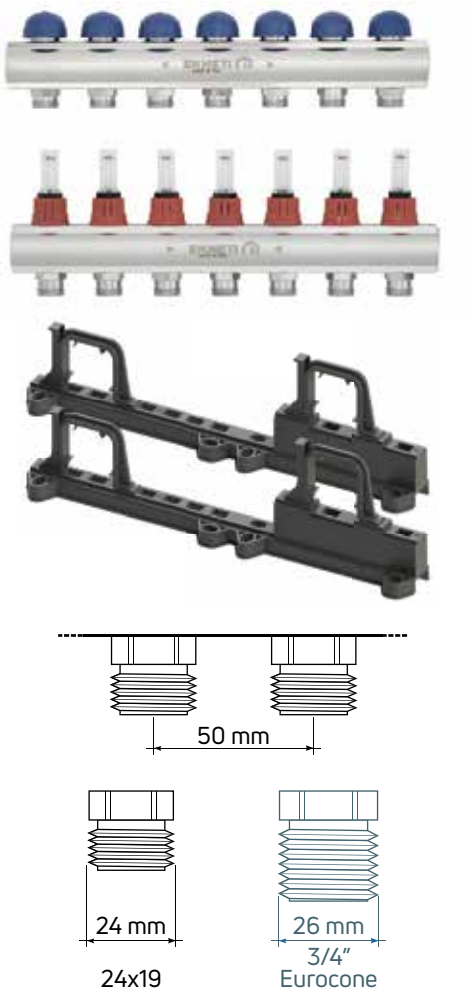
Uses
The Topway bar manifold, with its multitude of components and accessories, is the perfect solution to current system engineering needs. It offers flexible solutions for various system configurations.
This manifold makes it possible to set the temperature in any room through the installation of electro-thermal actuators so as to automatically control each circuit using a thermostat.
Special attention has been given to speed and ease of installation. All of the parts combine easily with one another.
Adjustment and control can be performed with precision using flow rate measurement devices that are already built into the manifold.
The performance features of the product, along with its high level of quality, ensured by the materials used and the demanding production controls, make it reliable and functional over time, reducing maintenance and allowing substantial energy savings.
Topway distribution manifolds are tested 100% prior to packaging.

Construction
All Topway manifold distribution headers and accessories are nickel plated / brass.
Brass header retrieved through a bar drawing process
TN UNI EN 12168 CW614N.
Seals in EPDM.

Technical data
Maximum operating temperature:
- 90° C with flow meters
- 110 °c with lockshields
Maximum working pressure:
- 6 bar with flow meters
- 10 bar with lochshields
Head thread: G 1"
Outlets thread: 24x19 and 3/4" Eurocone
Note: 24x19 thread - 24 mm gas thread and 19 screw threads for inch.
Note: seal on thread of heads ONLY with o-ring.

DO NOT USE tapered threads.

Dimensions: see section Technical Attachments.



Kit distribution manifold nickel-plated 24x19 and 3/4" Eurocone takeoffs (flow and return) and flow meters.

Complete with:
Built-in flowmeters (0÷4 l/min)
Valves with manual adjustment predisposed for electrothermal heads
Nr. 2 supports for installation in metal box or wall
Note: to be completed with n. 2 1" or 1"1/4 Progress ball valves with red and blue butterfly handles, with or without thermometer holder and thermometer (not included).

For installation in metal cabinet, for 80 mm brick thickness, insert the collars of the brackets on the B-B references.

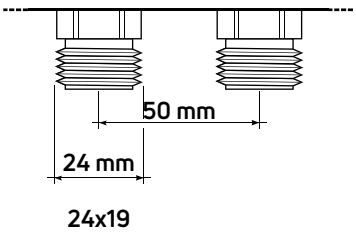
Dimension	Ways	Thread	Pcs. Pack	Code	Price €
1"	2+2	24x19	1	01297280	134,50
1"	3+3	24x19	1	01297282	166,70
1"	4+4	24x19	1	01297284	198,80
1"	5+5	24x19	1	01297286	233,10
1"	6+6	24x19	1	01297288	268,00
1"	7+7	24x19	1	01297290	301,80
1"	8+8	24x19	1	01297292	338,10
1"	9+9	24x19	1	01297294	372,50
1"	10+10	24x19	1	01297296	420,40
1"	11+11	24x19	1	01297298	459,80
1"	12+12	24x19	1	01297300	492,20
1" (*)	2+2	3/4" Eurocone	1	01297610	137,20
1" (*)	3+3	3/4" Eurocone	1	01297612	170,80
1" (*)	4+4	3/4" Eurocone	1	01297614	204,40
1" (*)	5+5	3/4" Eurocone	1	01297616	240,30
1" (*)	6+6	3/4" Eurocone	1	01297618	276,30
1" (*)	7+7	3/4" Eurocone	1	01297620	311,60
1" (*)	8+8	3/4" Eurocone	1	01297622	349,20
1" (*)	9+9	3/4" Eurocone	1	01297624	385,00
1" (*)	10+10	3/4" Eurocone	1	01297626	434,50
1" (*)	11+11	3/4" Eurocone	1	01297628	475,20
1" (*)	12+12	3/4" Eurocone	1	01297630	509,10

(*) Items availables on request
Note: blind plugs 1" M code 90004830 are **NOT included**

Manifold for underfloor heating regulation and control







Kit distribution manifold nickel-plated with, 24x19 and 3/4" Eurocone takeoffs (flow and return)

Complete with:
Built-in flowmeters (0÷4 l/min)
Valves with manual adjustment predisposed for electrothermal heads
Nr. 2 water drain valve 1/2" with plug
Nr. 2 supports for installation in metal box or wall
Note: to be completed with n. 2 1" or 1"1/4 Progress ball valves with red and blue butterfly handles, with or without thermometer holder and thermometer (not included).

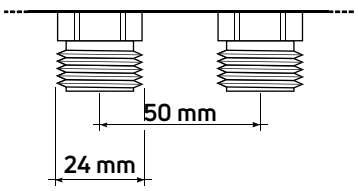
For installation in metal cabinet, for 80 mm brick thickness, insert the collars of the brackets on the B-B references.

Dimension	Ways	Thread	Pcs. Pack	Code	Price €
1"	2+2	24x19	1	01297100	183,00
1"	3+3	24x19	1	01297102	211,30
1"	4+4	24x19	1	01297104	241,90
1"	5+5	24x19	1	01297106	272,50
1"	6+6	24x19	1	01297108	303,30
1"	7+7	24x19	1	01297110	333,80
1"	8+8	24x19	1	01297112	364,00
1"	9+9	24x19	1	01297114	406,00
1"	10+10	24x19	1	01297116	439,90
1"	11+11	24x19	1	01297118	468,30
1"	12+12	24x19	1	01297120	496,50
1" (*)	2+2	3/4" Eurocone	1	01297580	177,30
1" (*)	3+3	3/4" Eurocone	1	01297582	212,00
1" (*)	4+4	3/4" Eurocone	1	01297584	246,70
1" (*)	5+5	3/4" Eurocone	1	01297586	283,00
1" (*)	6+6	3/4" Eurocone	1	01297588	320,50
1" (*)	7+7	3/4" Eurocone	1	01297590	357,20
1" (*)	8+8	3/4" Eurocone	1	01297592	395,20
1" (*)	9+9	3/4" Eurocone	1	01297594	431,90
1" (*)	10+10	3/4" Eurocone	1	01297596	482,80
1" (*)	11+11	3/4" Eurocone	1	01297598	523,40
1" (*)	12+12	3/4" Eurocone	1	01297600	558,10

(*) Items availables on request







24x19

Kit distribution manifold nickel-plated 24x19 (flow and return) with lockshields

Complete with:
Regulation lockshields
Manually regulation valves prepared for electro-thermic heads
Nr. 2 water drain valve 1/2" with plug
Nr. 2 supports for installation in metal box or wall
Note: to be completed with n. 2 1" Progress ball valves with red and blue butterfly handles, with or without thermometer holder and thermometer (not included).

For installation in metal cabinet, for 80 mm brick thickness, insert the collars of the brackets on the B-B references.

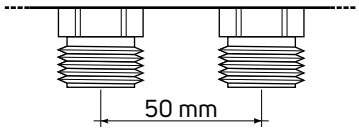
Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2+2	24x19	1	01297790	177,40
1"	3+3	24x19	1	01297792	205,10
1"	4+4	24x19	1	01297794	234,50
1"	5+5	24x19	1	01297796	264,40
1"	6+6	24x19	1	01297798	294,10
1"	7+7	24x19	1	01297800	324,00
1"	8+8	24x19	1	01297802	353,10
1"	9+9	24x19	1	01297804	393,80
1"	10+10	24x19	1	01297806	426,70
1"	11+11	24x19	1	01297808	454,20
1"	12+12	24x19	1	01297810	481,60

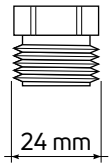
Topway single bars

Single bars distribution manifolds

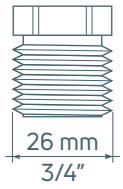








24x19



Eurocone

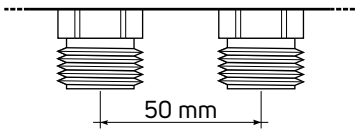
1" and 1"1/4 distribution manifold nickel-plated, 24x19 takeoffs (return) and 3/4" eurocone (return)

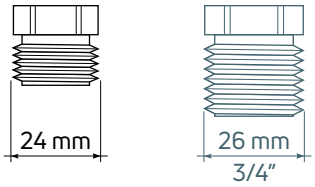
Supplied with:
Manual valves with valve-caps, set up to take thermo-electric heads
Additional connections 1/2" Female for bleed valve and drain cock

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2	24x19	2	01293890	58,79
1"	3	24x19	2	01293892	74,21
1"	4	24x19	2	01293894	91,16
1"	5	24x19	2	01293896	107,00
1"	6	24x19	2	01293898	122,20
1"	7	24x19	2	01293900	139,50
1"	8	24x19	2	01293902	155,10
1"	9	24x19	2	01293904	177,30
1"	10	24x19	2	01293906	194,80
1"	11	24x19	2	01293908	210,30
1"	12	24x19	2	01293910	225,80
1"1/4	4	24x19	2	01294694	104,70
1"1/4	5	24x19	2	01294696	122,50
1"1/4	6	24x19	2	01294698	140,10
1"1/4	7	24x19	2	01294700	159,50
1"1/4	8	24x19	2	01294702	177,10
1"1/4	9	24x19	2	01294704	200,40
1"1/4	10	24x19	2	01294706	219,80
1"1/4	11	24x19	2	01294708	237,30
1"1/4	12	24x19	2	01294710	255,10
1"	2	3/4" Eurocone	2	01293920	60,88
1"	3	3/4" Eurocone	2	01293922	77,37
1"	4	3/4" Eurocone	2	01293924	95,36
1"	5	3/4" Eurocone	2	01293926	112,20
1"	6	3/4" Eurocone	2	01293928	128,70
1"	7	3/4" Eurocone	2	01293930	147,00
1"	8	3/4" Eurocone	2	01293932	163,50
1"	9	3/4" Eurocone	2	01293934	186,80
1"	10	3/4" Eurocone	2	01293936	205,30
1"	11	3/4" Eurocone	2	01293938	221,80
1"	12	3/4" Eurocone	2	01293940	238,30
1"1/4	6	3/4" Eurocone	2	01294728	145,60
1"1/4	7	3/4" Eurocone	2	01294730	165,90
1"1/4	8	3/4" Eurocone	2	01294732	184,10
1"1/4	9	3/4" Eurocone	2	01294734	208,40
1"1/4	10	3/4" Eurocone	2	01294736	228,90
1"1/4	11	3/4" Eurocone	2	01294738	247,20
1"1/4	12	3/4" Eurocone	2	01294740	265,80

Dimensions: see section Technical Attachments.







24x19 Eurocone

1" and 1"1/4 flow manifold nickel-plated, with lockshields 24x19 takeoffs (flow) and 3/4" eurocone takeoffs (flow)

Supplied with:
Double-adjustable lockshields
Additional connections 1/2" Female for drain valve and air vent

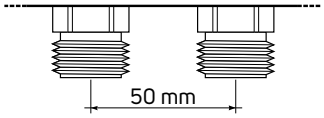
Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2	24x19	2	01298620	62,03
1"	3	24x19	2	01298622	77,51
1"	4	24x19	2	01298624	94,70
1"	5	24x19	2	01298626	110,70
1"	6	24x19	2	01298628	126,10
1"	7	24x19	2	01298630	143,40
1"	8	24x19	2	01298632	159,00
1"	9	24x19	2	01298634	181,50
1"	10	24x19	2	01298636	198,90
1"	11	24x19	2	01298638	214,70
1"	12	24x19	2	01298640	230,40
1"1/4	4	24x19	2	01298864	108,80
1"1/4	5	24x19	2	01298866	126,50
1"1/4	6	24x19	2	01298868	144,90
1"1/4	7	24x19	2	01298870	164,70
1"1/4	8	24x19	2	01298872	182,50
1"1/4	9	24x19	2	01298874	206,10
1"1/4	10	24x19	2	01298876	226,10
1"1/4	11	24x19	2	01298878	243,80
1"1/4	12	24x19	2	01298880	261,80
1"	2	3/4" Eurocone	2	01298650	63,63
1"	3	3/4" Eurocone	2	01298652	80,08
1"	4	3/4" Eurocone	2	01298654	98,03
1"	5	3/4" Eurocone	2	01298656	114,90
1"	6	3/4" Eurocone	2	01298658	131,10
1"	7	3/4" Eurocone	2	01298660	149,60
1"	8	3/4" Eurocone	2	01298662	166,00
1"	9	3/4" Eurocone	2	01298664	189,30
1"	10	3/4" Eurocone	2	01298666	207,60
1"	11	3/4" Eurocone	2	01298668	224,20
1"	12	3/4" Eurocone	2	01298670	240,60
1"1/4	6	3/4" Eurocone	2	01298898	147,20
1"1/4	7	3/4" Eurocone	2	01298900	167,50
1"1/4	8	3/4" Eurocone	2	01298902	185,60
1"1/4	9	3/4" Eurocone	2	01298904	209,70
1"1/4	10	3/4" Eurocone	2	01298906	230,00
1"1/4	11	3/4" Eurocone	2	01298908	248,10
1"1/4	12	3/4" Eurocone	2	01298910	266,80

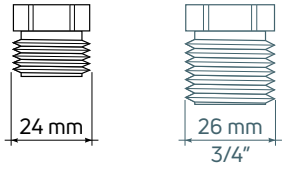
It is also possible to insert the flow meter cartridge into the new lockshield

Dimensions: see section Technical Attachments.

Single bars distribution manifolds







24x19 Eurocone

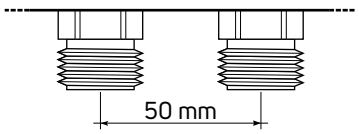
1" and 1"1/4 flow manifold nickel-plated, with lockshields with flow meters, 24x19 takeoffs (flow) and 3/4" eurocone (flow)

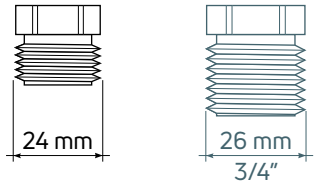
Supplied with:
Lockshields with flow meters (0÷4 l/min)
Additional connections 1/2" Female for drain valve and air vent

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2	24x19	2	01298120	64,70
1"	3	24x19	2	01298122	82,93
1"	4	24x19	2	01298124	102,70
1"	5	24x19	2	01298126	121,30
1"	6	24x19	2	01298128	139,20
1"	7	24x19	2	01298130	159,40
1"	8	24x19	2	01298132	177,60
1"	9	24x19	2	01298134	202,70
1"	10	24x19	2	01298136	223,00
1"	11	24x19	2	01298138	241,20
1"	12	24x19	2	01298140	259,40
1"1/4	4	24x19	2	01298364	116,70
1"1/4	5	24x19	2	01298366	137,60
1"1/4	6	24x19	2	01298368	158,10
1"1/4	7	24x19	2	01298370	180,60
1"1/4	8	24x19	2	01298372	200,80
1"1/4	9	24x19	2	01298374	227,30
1"1/4	10	24x19	2	01298376	249,90
1"1/4	11	24x19	2	01298378	270,30
1"1/4	12	24x19	2	01298380	291,00
1"	2	3/4" Eurocone	2	01298150	66,23
1"	3	3/4" Eurocone	2	01298152	85,44
1"	4	3/4" Eurocone	2	01298154	106,10
1"	5	3/4" Eurocone	2	01298156	125,50
1"	6	3/4" Eurocone	2	01298158	144,40
1"	7	3/4" Eurocone	2	01298160	165,40
1"	8	3/4" Eurocone	2	01298162	184,50
1"	9	3/4" Eurocone	2	01298164	210,30
1"	10	3/4" Eurocone	2	01298166	231,40
1"	11	3/4" Eurocone	2	01298168	250,60
1"	12	3/4" Eurocone	2	01298170	269,70
1"1/4	6	3/4" Eurocone	2	01298398	160,40
1"1/4	7	3/4" Eurocone	2	01298400	183,40
1"1/4	8	3/4" Eurocone	2	01298402	204,20
1"1/4	9	3/4" Eurocone	2	01298404	230,90
1"1/4	10	3/4" Eurocone	2	01298406	253,90
1"1/4	11	3/4" Eurocone	2	01298408	274,50
1"1/4	12	3/4" Eurocone	2	01298410	295,70

Dimensions: see section Technical Attachments.







24x19 Eurocone

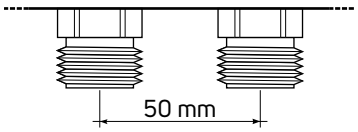
1" Distribution manifold nickel-plated, 24x19 takeoffs (return) and 3/4" eurocone (return), without additional way

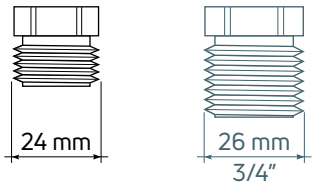
Supplied with manual valves with valve-caps, set up to take thermo-electric heads

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2	24x19	2	01294130	56,89
1"	3	24x19	2	01294132	72,34
1"	4	24x19	2	01294134	87,76
1"	5	24x19	2	01294136	104,80
1"	6	24x19	2	01294138	120,50
1"	7	24x19	2	01294140	135,90
1"	8	24x19	2	01294142	153,20
1"	9	24x19	2	01294144	168,60
1"	10	24x19	2	01294146	191,00
1"	11	24x19	2	01294148	208,30
1"	12	24x19	2	01294150	223,70
1"	2	3/4" Eurocone	2	01294160	58,97
1"	3	3/4" Eurocone	2	01294162	75,47
1"	4	3/4" Eurocone	2	01294164	91,96
1"	5	3/4" Eurocone	2	01294166	110,10
1"	6	3/4" Eurocone	2	01294168	126,90
1"	7	3/4" Eurocone	2	01294170	143,30
1"	8	3/4" Eurocone	2	01294172	161,70
1"	9	3/4" Eurocone	2	01294174	178,10
1"	10	3/4" Eurocone	2	01294176	201,50
1"	11	3/4" Eurocone	2	01294178	231,83
1"	12	3/4" Eurocone	2	01294180	236,40

Items availables on request







24x19 Eurocone

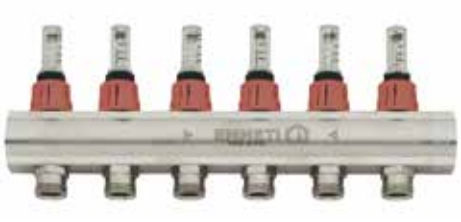
1" flow manifold nickel-plated, with lockshields 24x19 takeoffs (flow) and 3/4" eurocone takeoffs (flow), without additional way

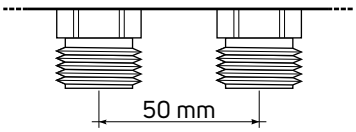
Supplied with double-adjustable lockshields

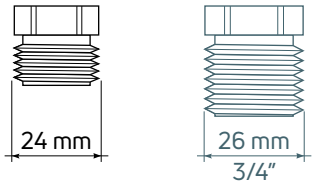
Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2	24x19	2	01298800	60,14
1"	3	24x19	2	01298802	75,60
1"	4	24x19	2	01298804	91,28
1"	5	24x19	2	01298806	108,50
1"	6	24x19	2	01298808	124,40
1"	7	24x19	2	01298810	139,60
1"	8	24x19	2	01298812	157,00
1"	9	24x19	2	01298814	172,70
1"	10	24x19	2	01298816	195,10
1"	11	24x19	2	01298818	212,70
1"	12	24x19	2	01298820	228,30
1"	2	3/4" Eurocone	2	01298830	61,85
1"	3	3/4" Eurocone	2	01298832	78,17
1"	4	3/4" Eurocone	2	01298834	94,73
1"	5	3/4" Eurocone	2	01298836	112,90
1"	6	3/4" Eurocone	2	01298838	129,60
1"	7	3/4" Eurocone	2	01298840	145,90
1"	8	3/4" Eurocone	2	01298842	163,90
1"	9	3/4" Eurocone	2	01298844	180,40
1"	10	3/4" Eurocone	2	01298846	203,80
1"	11	3/4" Eurocone	2	01298848	222,20
1"	12	3/4" Eurocone	2	01298850	238,60

It is also possible to insert the flow meter cartridge into the new lockshield
Items availables on request

Single bars distribution manifolds







24x19 Eurocone

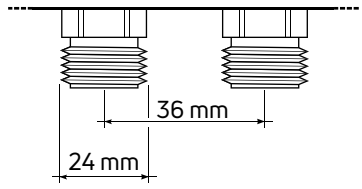
1" flow manifold nickel-plated, with lockshields with flow meters, 24x19 takeoffs (flow) and 3/4" eurocone (flow), without additional way

Supplied with:
Lockshields with flow meters (0÷4 l/min)

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2	24x19	2	01298480	62,79
1"	3	24x19	2	01298482	81,02
1"	4	24x19	2	01298484	99,14
1"	5	24x19	2	01298486	119,00
1"	6	24x19	2	01298488	137,60
1"	7	24x19	2	01298490	155,70
1"	8	24x19	2	01298492	175,70
1"	9	24x19	2	01298494	193,90
1"	10	24x19	2	01298496	219,10
1"	11	24x19	2	01298498	239,30
1"	12	24x19	2	01298500	257,40
1"	2	3/4" Eurocone	2	01298510	64,52
1"	3	3/4" Eurocone	2	01298512	83,62
1"	4	3/4" Eurocone	2	01298514	102,70
1"	5	3/4" Eurocone	2	01298516	123,40
1"	6	3/4" Eurocone	2	01298518	143,00
1"	7	3/4" Eurocone	2	01298520	161,90
1"	8	3/4" Eurocone	2	01298522	182,70
1"	9	3/4" Eurocone	2	01298524	201,70
1"	10	3/4" Eurocone	2	01298526	227,60
1"	11	3/4" Eurocone	2	01298528	248,70
1"	12	3/4" Eurocone	2	01298530	267,80

Items availables on request





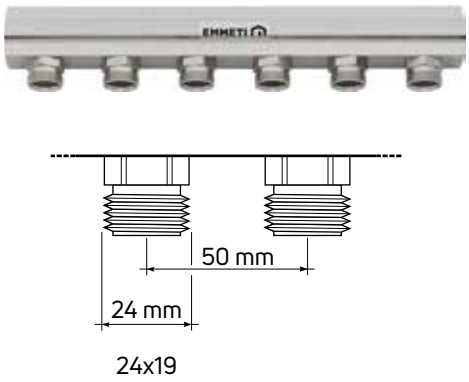
24x19

3/4" distribution manifold nickel-plated, complete with 24x19 takeoffs connections

Supplied with hole 1/2" Female on upper side bleed valve

Dimension	Ways	Pcs. pack	Code	Price €
3/4"	2	4	01293260	23,17
3/4"	3	4	01293262	30,91
3/4"	4	4	01293264	38,71
3/4"	5	4	01293266	46,80
3/4"	6	4	01293268	54,51
3/4"	7	4	01293270	62,20
3/4"	8	4	01293272	70,48
3/4"	9	4	01293274	78,00
3/4"	10	4	01293276	91,76
3/4"	11	4	01293278	99,80
3/4"	12	4	01293280	107,40

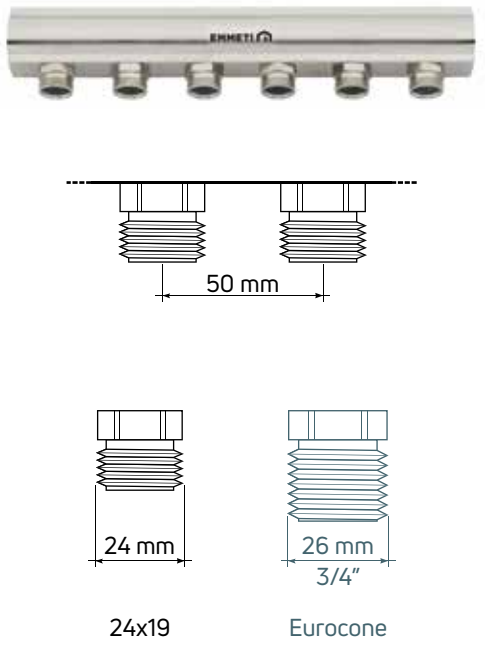
Single bars distribution manifolds



3/4" distribution manifold nickel-plated, complete with 24x19 takeoffs connections

Supplied with hole 1/2" Female on upper side for bleed valve

Dimension	Ways	Pcs. pack	Code	Price €
3/4"	2	4	01293290	26,02
3/4"	3	4	01293292	35,53
3/4"	4	4	01293294	47,49
3/4"	5	4	01293296	56,07
3/4"	6	4	01293298	68,61
3/4"	7	4	01293300	78,79
3/4"	8	4	01293302	89,17
3/4"	9	4	01293304	96,39
3/4"	10	4	01293306	110,60
3/4"	11	4	01293308	121,30
3/4"	12	4	01293310	132,30



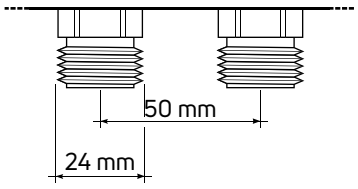
1" distribution manifold nickel-plated, complete with 24x19 takeoffs connection and 3/4" eurocone takeoffs (flow)

Supplied with hole 1/2" Female on upper side for bleed valve

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2	24x19	4	01293830	28,99
1"	3	24x19	4	01293832	40,44
1"	4	24x19	4	01293834	50,88
1"	5	24x19	4	01293836	62,23
1"	6	24x19	4	01293838	72,69
1"	7	24x19	4	01293840	83,34
1"	8	24x19	4	01293842	94,95
1"	9	24x19	4	01293844	107,70
1"	10	24x19	4	01293846	121,40
1"	11	24x19	4	01293848	134,80
1"	12	24x19	4	01293850	143,90
1"	2	3/4" Eurocone	4	01293860	30,20
1"	3	3/4" Eurocone	4	01293862	42,24
1"	4	3/4" Eurocone	4	01293864	53,28
1"	5	3/4" Eurocone	4	01293866	65,30
1"	6	3/4" Eurocone	4	01293868	76,36
1"	7	3/4" Eurocone	4	01293870	87,55
1"	8	3/4" Eurocone	4	01293872	101,40
1"	9	3/4" Eurocone	4	01293874	111,00
1"	10	3/4" Eurocone	4	01293876	129,20
1"	11	3/4" Eurocone	4	01293878	141,60
1"	12	3/4" Eurocone	4	01293880	154,30

Single bars distribution manifolds





24x19

1"1/4 distribution bar manifold nickel-plated, complete with 24x19 takeoffs connections

Supplied with hole 1/2" Female on upper side for bleed valve

Dimension	Ways	Pcs. pack	Code	Price €
1"1/4	4	2	01294634	71,63
1"1/4	5	2	01294636	87,89
1"1/4	6	2	01294638	85,24
1"1/4	7	2	01294640	97,12
1"1/4	8	2	01294642	133,20
1"1/4	9	2	01294644	123,20
1"1/4	10	2	01294646	139,30
1"1/4	11	2	01294648	159,10
1"1/4	12	2	01294650	173,00

Distribution bar manifold



Pre-assembled distribution manifold nickel-plated, 24x19 takeoffs (flow and return), indicated for hydronic distribution of radiators and fan coils

Supplied together with:
Manual adjustment valves set up to take thermo-electric heads.
nr. 2 blind nipples 1" complete with o-ring.
nr. 2 supports dual size 1".

Note:
Nr. 2 Progress ball valves 1" with red and blue butterfly handles, with or without thermometer holder, are supplied optionally.

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2+2	24x19	1	01297850	126,80
1"	3+3	24x19	1	01297852	153,80
1"	4+4	24x19	1	01297854	181,50
1"	5+5	24x19	1	01297856	208,60
1"	6+6	24x19	1	01297858	236,80
1"	7+7	24x19	1	01297860	265,50
1"	8+8	24x19	1	01297862	294,40
1"	9+9	24x19	1	01297864	320,60
1"	10+10	24x19	1	01297866	361,80
1"	11+11	24x19	1	01297868	392,80
1"	12+12	24x19	1	01297870	422,50
1" 1/4	4+4	24x19	1	01285094	209,50
1" 1/4	5+5	24x19	1	01285096	239,90
1" 1/4	6+6	24x19	1	01285098	272,00
1" 1/4	7+7	24x19	1	01285100	303,70
1" 1/4	8+8	24x19	1	01285102	335,80
1" 1/4	9+9	24x19	1	01285104	366,10
1" 1/4	10+10	24x19	1	01285106	406,60
1" 1/4	11+11	24x19	1	01285108	442,80
1" 1/4	12+12	24x19	1	01285110	473,90

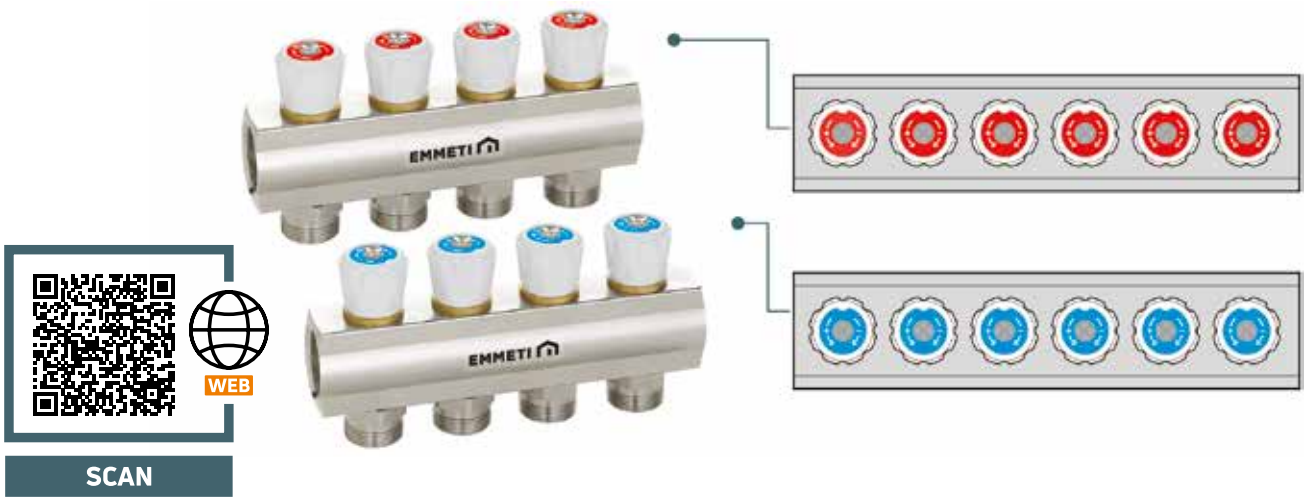
Dimensions: see section Technical Attachments.

WEB

SCAN

Topway M

Distribution manifold with bibcocks



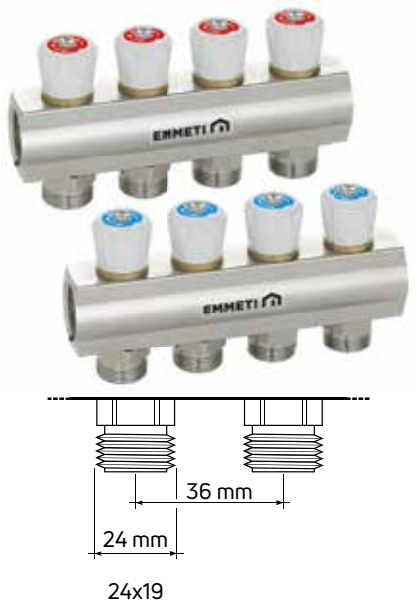
Applications
The Topway M manifold is used in closed circuit heating systems for the distribution of radiators, convectors, fan coils, adopting the Emmeti sealing systems with 24x19 thread, inserted in the appropriate box for Termobox manifolds.

Construction
Brass header retrieved through a bar drawing process
TN UNI EN 12168 CW614N
Head threads Female - Female UNI EN ISO 228-1 (G 3/4)
Threads side streets Gas 24x19, of 24 mm diameter
and 19 threads per inch
ABS white colour knobs
Gasket in NBR
Plate indicating the support services
Takeoffs 36 mm centers

Technical data
Maximum operating pressure: 10 bar
Maximum operating temperature: 110 °C
Note: seals on head thread ONLY with o-ring
DO NOT USE tapered threads

Note: not suitable for the way regulating, only open or closed

Dimensions: see section Technical Attachments.



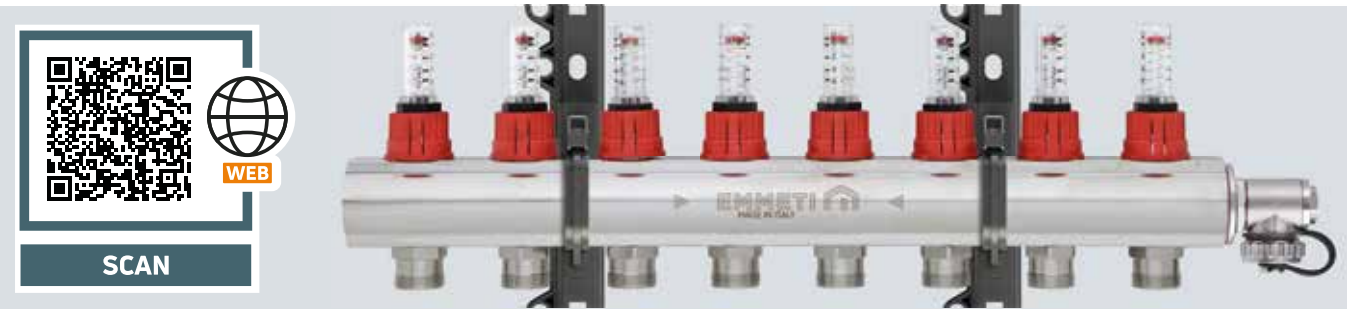
24x19

Topway M distribution manifold with distribution bibcocks

Dimension	Ways	Thread	Pcs. pack	Code	Price €
3/4"	4	24x19	2	01282114	70,44
3/4"	5	24x19	2	01282116	83,92
3/4"	6	24x19	2	01282118	102,10

Accessories for Topway manifolds

Ball valves kit for Topway manifolds



Technical data
Valve body thread with Female connection: UNI EN 10226-1 (ISO 7-1: 1994)
Male connection valve sleeve thread: UNI EN ISO 228-1
Shank and nut thread: UNI EN ISO 228-1
FULL PASSAGE

Flow direction: in both directions
Minimum and maximum working temperature: -20 ° C / + 120 ° C **
Maximum pressure (T = 120 ° C): 10 bar
Nominal pressure (T = 20 ° C): PN 40
** In the absence of steam; use with water and glycol mixtures for temperatures below 0 ° C
The valves must be used in the fully open or closed position.

Sealing O-Ring
Upper shaft seal O-Ring: VITON 70 Sh A (ASTM D2240)
Lower shaft seal O-Ring: EPDM Peroxide 70 Sh A (ASTM D2240)
Shank O-Ring: Peroxide EPDM 70 Sh A (ASTM D2240)



Right-angle Progress ball valves with thermometers and pipe unions

Dimension	Pcs. pack	Code	Price €
1"	1	01306264	91,92

Thermometer scale: 0 - 80 ° C
It can also be used in combination with steel Topway S manifold replacing black O-rings with the red ones supplied in the package.



Right-angle Progress ball valves with pipe union for thermometer and thermometers

Dimension	Pcs. pack	Code	Price €
1"1/4	1	01306136	159,00

Thermometer scale: 0 - 80 ° C.



Right-angle Progress ball valves with pipe union

Dimension	Pcs. pack	Code	Price €
3/4"	1	01306180	54,60
1" (*)	1	01306266	77,01
1"1/4	1	01306184	130,80

(*) It can also be used in combination with steel Topway S manifold replacing black O-rings with the red ones supplied in the package.



Straight Progress ball valve with thermometers and pipe unions

Dimension	Pcs. pack	Code	Price €
1"	1	01306260	83,70

Thermometer scale: 0 - 80 ° C
It can also be used in combination with steel Topway S manifold replacing black O-rings with the red ones supplied in the package.

Accessories for Topway manifolds



Straight Progress ball valves with pipe union for thermometer and thermometers

Dimension	Pcs. pack	Code	Price €
1"1/4	1	01306132	131,10

Thermometer scale: 0 - 80 ° C



Straight Progress ball valves with pipe union

Dimension	Pcs. pack	Code	Price €
3/4"	1	01306140	49,79
1" (*)	1	01306262	70,50
1"1/4	1	01306144	109,80

(*) It can also be used in combination with steel Topway S manifold replacing black O-rings with the red ones supplied in the package.

Accessories for Topway manifolds



Terminal kit with by-pass for steel and brass manifolds

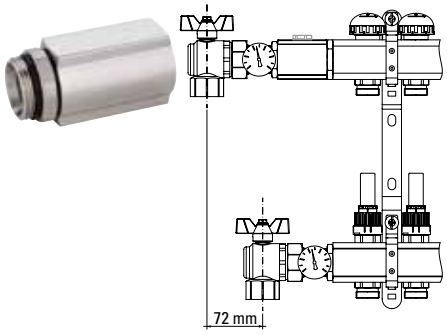
Maximum working temperature: 110 °C.
Maximum working pressure: 6 bar.

Dimension	Pcs. pack	Code	Price €
For manifolds size 1" (*)	1	01307010	224,70
For manifolds size 1"1/4	1	01307012	227,40

Thread UNI EN ISO 228

(*) Code 01307010 is equipped with a red O-ring on the upper union, for coupling with Topway S steel manifolds; to use the item in combination with the Topway brass manifolds, replace the red O-ring with the black one supplied in the package.

Dimensions and tecnical data: see section Technical Attachments.



Extension kit for Topway manifolds

The extension kit for Topway collectors is combined with the Progress angle valve kit in order to create a distance between the delivery and return tubes, to have more space available both during installation as well as when manoeuvring (see diagram).

Dimension	Pcs. pack	Code	Price €
M-F 1"	1	01306254	23,82
M-F 1"1/4	1	01306256	36,33

Thread UNI EN ISO 228-1



Splitter fitting

Connection Dimension	Pcs. pack	Code	Price €
24x19	2	01300000	21,79
3/4" Eurokone	2	28130606	20,34

Splitter fitting for manifolds with 24x19 or 3/4" Eurocone outlets, takeoffs 50 mm.
Takeoffs between splitter outlets: 36 mm.
Thread UNI EN ISO 228-1

Dimensions: see section Technical Attachments.

Accessories for Topway manifolds



Pack with red bands to lock regulator

Dimension	Pcs. pack	Code	Price €
1" - 1"1/4	12	01306320	13,25

With labels for identify circuits



Varia air bleed valve 1/2" nickel-plated

Dimension	Pcs. pack	Code	Price €
1/2"	12	00400662	10,18

Thread UNI EN ISO 228-1



Tecno-Varia air bleed valve 1/2" with plastic casing

Dimension	Pcs. pack	Code	Price €
1/2"	12	00400004	8,47

Thread UNI EN ISO 228-1



Drain valve nickel-plated

Dimension	Pcs. pack	Code	Price €
1/2"	1	90011750	7,90

Thread UNI EN ISO 228-1



Charge and drain valve, nickel-plated with Male 3/4" adjustable connection

Dimension	Pcs. pack	Code	Price €
1/2"	4	01306824	13,46
1"	2	01300002	21,83



Couple of T-terminal with adjustable drain valve and manual vent valve

Dimension	Pcs. pack	Code	Price €
1"	1	01306158	44,58

With O-ring. Complete with 1/2" manual air vent valve and 1/2" water fill / drain tap with adjustable 3/4" connection. Thread UNI EN ISO 228-1



Kit thermostatic shutter for 24x19

Dimension	Pcs. pack	Code	Price €
For manifold 1"	4	01306114	7,90
For manifold 1"1/4	4	01306118	9,94



Kit thermostatic shutter for 3/4" Eurocone

Dimension	Pcs. pack	Code	Price €
For manifold 1"	4	01306290	10,09
For manifold 1"1/4	4	01306292	11,89

Accessories for Topway manifolds



Blue cap for valves

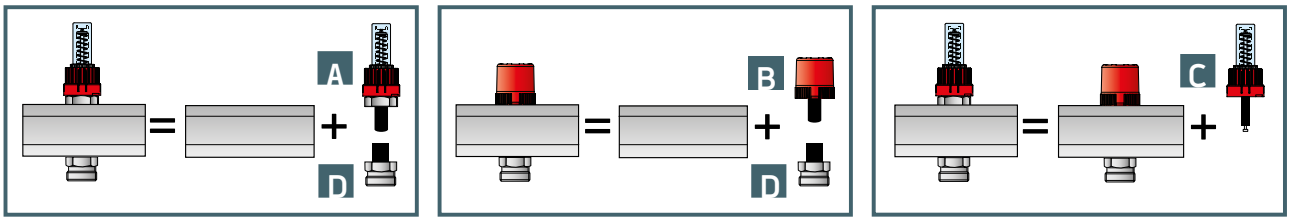
Dimension	Pcs. pack	Code	Price €
	1	90067510	0,43



Red cap for manifolds

Dimension	Pcs. pack	Code	Price €
	1	90023360	0,52

Instructions for the selection of lockshields/flow meter with a capacity on the basis of the manifold installed





Kit lockshield with incorporated flow meter 0÷4 l/min

Dimension	Pcs. pack	Code	Price €
0÷4 l/min	4	01306302	9,30



Kit lockshield

Dimension	Pcs. pack	Code	Price €
	4	01306300	6,69



Kit flow meter

Dimension	Pcs. pack	Code	Price €
0÷2,5 l/min (*)	4	01306828	5,56
0÷4 l/min (*)	4	01306830	4,70
0÷6 l/min (*)	4	01306832	4,71

(*) For manifolds produced from the 31st week of 2017



Lockshield / flow meter seat

Dimension	Pcs. pack	Code	Price €
For manifold 1" - 24x19	4	01306312	4,04
For manifold 1" - 3/4" eurocone	4	01306314	4,91
For manifold 1"1/4 - 24x19	4	01306316	4,75
For manifold 1"1/4 - 3/4" eurocone	4	01306318	5,13

Accessories for Topway manifolds



Nickel-plated blind plug

Dimension	Pcs. pack	Code	Price €
1/2" M with O-ring	30	90004930	1,95
3/4" M with O-ring	30	90004820	2,70
1" M with O-ring	15	90004830	3,95
1"1/4 M with O-ring	10	90005070	6,30
3/4" F	30	01291536	2,58
1" F	15	01291538	3,95
24 x 19 F blind monoblocco with O-ring	20	01321462	3,07

Thread UNI EN ISO 228-1



Nickel plated reduction

Dimension	Pcs. pack	Code	Price €
3/4" M x 3/8" F	30	90005050	2,70
3/4" M x 1/2" F	30	90004840	2,85
1" M x 3/8" F	15	90005060	6,30
1" M x 1/2" F	15	90004850	6,30
1" M x 3/4" F	15	90006870	4,04
1"1/4 M x 1/2" F	10	90005080	7,90
1"1/4 M x 1" F	10	90005084	6,37

With o-ring
Thread UNI EN ISO 228-1



Key for nipples CH 37 - 48

Dimension	Pcs. pack	Code	Price €
	1	01306044	11,92



Nickel-plated nipple, O-Ring seal

Dimension	Pcs. pack	Code	Price €
1" M x 1" M	2	01306872	8,46
1"1/4 M x 1"1/4 M	2	01306874	15,00

With o-ring.
Thread UNI EN ISO 228-1



Swivel nipple

Dimension	Pcs. pack	Code	Price €
1" M x 1" M	2	01306426	18,66
1"1/4 M x 1"1/4 M	2	01306430	31,12
1" M x 1" F (**)	6	01306428	16,65
1"1/4 M x 1" M (*)	2	01306432	20,93
3/4" M x 3/4" M	2	01306434	18,66

Thread UNI EN ISO 228-1
(*) Reduction
(**) Item to be out of stock



Thermometer Ø 40

Dimension	Pcs. pack	Code	Price €
0-80 °C	1	90006866	7,90

Accessories for Topway manifolds



Tee union with pipe union for thermometer

Dimension	Pcs. pack	Code	Price €
24x19	1	90011760	11,89

24 mm gas thread adn 19 screw threads for inch.



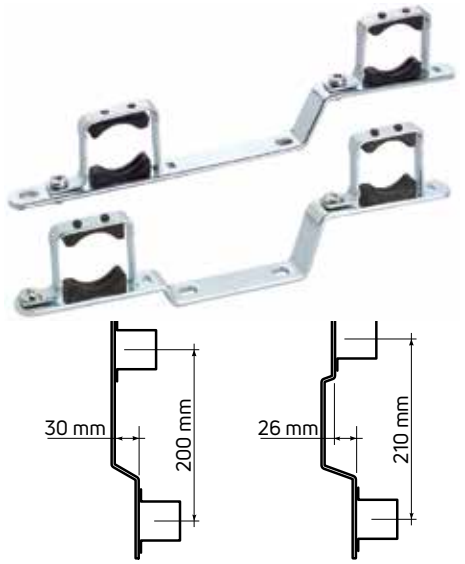
Hand wheel for manual control

Dimension	Pcs. pack	Code	Price €
	6	01306112	2,13



Couple single metal holder

Dimension	Pcs. pack	Code	Price €
3/4"	1	90011500	7,90
1"	1	90011510	8,72
1"1/4	1	90011520	10,07



Pair of double metal holder

Dimension	Take off	Pcs. pack	Code	Price €
3/4"	200 mm	1	90011530	14,61
1"	200 mm	1	90011540	14,61
1"1/4	200 mm	1	90011550	14,61
3/4" (*)	210 mm	1	90011560	14,54
1" (*)	210 mm	1	90011570	14,54
1"1/4 (*)	210 mm	1	90011580	14,61

(*) For wall fixing



Pair of single holder

Dimension	Pcs. Pack	Code	Price €
3/4"	1	01306600	7,09
1"	1	01306602	7,24
1"1/4	1	01306604	7,37



Pair of double adjustable holder

Dimension	Take off	Pcs. pack	Code	Price €
1" (*)	200 - 210 mm	1	01306554	12,32
3/4"	200 - 210 mm	1	01306596	10,37
1"1/4 (**)	200 - 210 mm	1	01306598	10,68

(*) When installing the cassette partition from 80 mm to move the collars of the brackets on the B-B references.
(**) Do not install in boxes for the partition of 80 mm.

Dimensions: see section Technical Attachments.

Accessories for Topway manifolds



Insulating shells with metal adjustable holders for Topway manifolds

Dimension	Pcs. pack	Code	Price €
1"	1	90062280	34,23

In extruded polyethylene. No. of branch holes: 13, interval 50 mm.
To be cut to size according to the number of ways of the collector to be insulated.



Insulating shells for Topway manifolds with metal brackets

Dimension	Pcs. pack	Code	Price €
1"1/4	1	01306502	39,56

In extruded polyethylene. No. of branch holes: 12, interval 50 mm.
To be cut to size according to the number of ways of the collector to be insulated.



Kit expansion vessel for connection to the distribution manifold Topway in boxes Metalbox

Dimension	Pcs. pack	Code	Price €
8 liters	1	07245370	117,10
10 liters	1	07245380	121,20

Complete with:
Expansion vessel 8 or 10 liters; mounting plate with screws for installation in box Metalbox; copper pipe Ø 18x1 prepared for connection tap loading / unloading 1/2" diameter copper pipe 10x1 derivation with nut 3/8" connection for expansion vessel; sealing block for copper pipe Ø 18x1; shank 1/2 "- 24x19 with o-ring for connection manifold Topway 1" or 1"1/4; gasket 3/8".
Note: Kit expansion vessel 10 liter can only be installed in boxes for partition of 120 mm.
Width 260 mm x height 490 mm

Dimensions: see section Technical Attachments.

Control T

Electro-thermic head



WEB

SCAN

Construction

1. Polycarbonate case
2. Stainless steel spring
3. Indicator PPA (35% FV)
4. Steel radial stop ring
5. Shutter support in polycarbonate
6. Polycarbonate base
7. Ring nut M30x1.5 in PA 66 (50% FV) or in nickel-plated UNI EN 12164 CW614N brass
8. PVC cable
9. Microswitch 1A 250 V
10. Wax expansion electrothermal actuator

Dimensions: see section Technical Attachments.



Control T - Electro-thermic head normally closed

The valve opens upon receiving the command from the thermostat or any similar control device - Absorption 3,45 VA (230 V) 3 VA (24 V) - Protection: IP 40 (IP 44 vertical position) - Cable length: 1 m - Breakaway current: 0,35 A (model 24 V) - 0,25 A (model 230 V) - Closing/opening time: 5-6 min

Dimension	Ring nut	Pcs. pack	Code	Price €
230 V (AC/DC)	Plastic ring nut	1	01213242	25,04
24 V (AC/DC)	Plastic ring nut	1	01213202	25,34
230 V (AC/DC)	Metal ring nut	1	01213245	25,71

Note: The electro-thermic heads can be used in conjunction with: Topway and Topway S bar manifolds with valves, Thermostatic Tris 3 valves, Full and Poker thermostatic and thermostatizables valves. For the use with differents type of Emmeti manifold, it can be necessary the adaptor code 90039364.



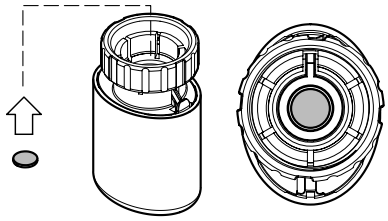
Control T - Electro-thermic head normally closed with end switch (1 A 250 V)

The valve opens upon receiving the command from the thermostat or any similar control device - Absorption 3,45 VA (230 V) 3 VA (24 V) - Protection IP 40 (IP 44 vertical position) - Cable length: 1 m - End switch: 1 A 250 V - Breakaway current: 0,35 A (model 24 V) - 0,25 A (model 230 V) - Closing/opening time: 5-6 min

Dimension	Ring nut	Pcs. pack	Code	Price €
230 V (AC/DC) with micro	Plastic ring nut	1	01213252	30,32
24 V (AC/DC) with micro	Plastic ring nut	1	01213212	30,64
230 V (AC/DC) with micro	Metal ring nut	1	01213255	31,01

Note: The electro-thermic heads can be used in conjunction with: Topway and Topway S bar manifolds with valves, Thermostatic Tris 3 valves, Full and Poker thermostatic and thermostatizables valves. For the use with differents type of Emmeti manifold, it can be necessary the adaptor code 90039364.

Electro-thermic head



Adapter for Control T - electro-thermic heads

Dimension	Pcs. pack	Code	Price €
	12	90039364	2,85

Apply in the case of incomplete closure on manifolds not produced by Emmeti.



Control T - Electro-thermic head normally open

The valve closes upon receiving the command from the thermostat or any similar control device - Absorption - protection 3,45 VA (230 V) 3 VA (24 V) - Protection: IP 40 (IP 44 vertical position) - Cable length: 1 m - Breakaway current: 0,35 A (model 24 V) - 0,25 A (model 230 V) - Closing/opening time: 5-6 min

Dimension	Pcs. pack	Code	Price €
230 V (AC/DC)	1	01213280	24,38
24 V (AC/DC)	1	01213260	24,69

Note: The electro-thermic heads can be used in conjunction with: Topway and Topway S bar manifolds with valves, Thermostatic Tris 3 valves, Full and Poker thermostatic and thermostatizables valves.

Electronic system for electro-thermic actuators



Basic wiring box 6T

Electronic system for electrothermic heads, comprised af a basic junction box and additional extension;
Power supply 230 V or 24 V;
Direct power supply to the normally closed electrothermal heads (at the same power supply voltage as the junction box);
Direct connection to the environment thermostats (at the same power supply voltage as the junction box);
Connection of up to six electrothermal heads (configured at high or low temperature);
Connection of up to six environment thermostats;
Connection for low temperature circulating pump;
Connection for heat source activation;
Adjustable safety thermostat (30÷60 °C);
Safety thermostat contact;
Circulating pump anti-blocage function.

Dimension	Pcs. pack	Code	Price €
Basic wiring box 6T	1	28130616	271,00

Electric boxes



Electric box with safety thermostat for pump cable low temperature

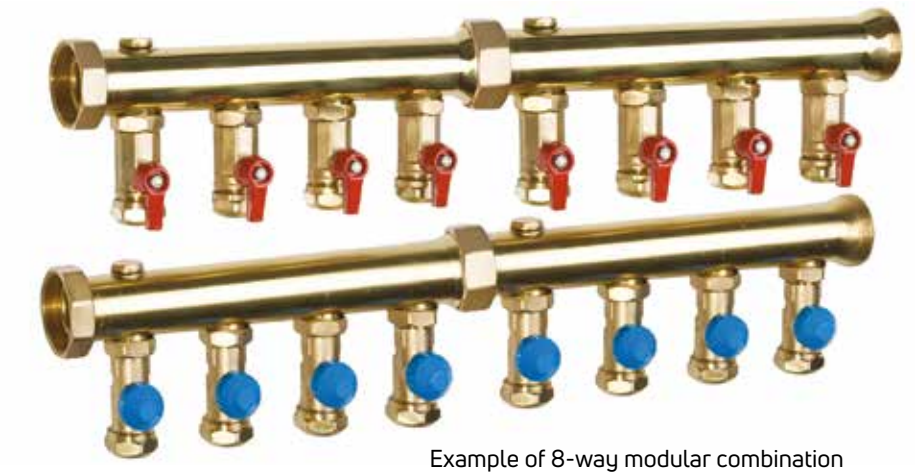
Bulb lenght: 65 mm - Bulb diameter: 7 mm - Setting: 0÷60 °C ± 3 - Contacts: 400 V 16(4) A - Differential: 4 °C

Dimension	Pcs. pack	Code	Price €
	1	28130632	70,34

Industrial manifold

Modular distribution manifold

SCAN



Example of 8-way modular combination

Modular brass manifold, for the construction of systems up to a maximum of 24 circuits (24 ways). Comes complete with:
- ball valves on the individual ways of the delivery manifold;
- lockshields for regulation on the individual ways of the return manifold;
- fittings to be tightened for PEX pipe 25x2.3 on each single way of the manifolds;
- pair of head gaskets for joining the different modules;
- pair of 1/2" M caps for connecting the fill / drain cocks.

The valves and lockshields are already installed on the manifold and sealed with an O-ring and locknut.
The manifold is designed for connection on the left side to the main pipes of the system; to reverse the arrangement, allowing the connection on the right side, it is necessary to unscrew the valves and lockshields from the respective locknuts, replace the O-rings with the spare set supplied, and screw them back on.

Application
Thermal installations (not suitable for sanitary installations)

Materials
- Manifold: CW508L brass
- Fittings to tighten: CW614N
- Head gaskets: AFM 34
- O-Ring: EPDM

Technical data
- Maximum operating temperature: 90 ° C
- Maximum working pressure: 6 bar
- Head threads: male side: G 2" (UNI EN ISO 228-1); side with swivel nut: G 2" (UNI EN ISO 228-1).
- Center line between ports: 80 mm



Industrial Floor modular distribution manifold

Dimension	Way	Pcs. pack	Code	Price €
1"1/2	3+3	1	07401100	827,60
1"1/2	4+4	1	07401102	951,90
1"1/2	5+5	1	07401104	1.132,00
1"1/2	6+6	1	07401106	1.196,00

Dimensions and technical data: see section Technical Attachments.



Pair of fixing brackets for Industrial Floor manifold

Model	Pcs. pack	Code	Price €
Pair of fixing brackets	1	07401120	219,70

Material: Galvanized Steel
Screws/dowels and isophonic collars supplied.



Pair of taps and end caps for Industrial Floor manifold

Dimension	Pcs. pack	Code	Price €
Set of 2" plugs and 1/2" fill / drain cocks	1	07401122	99,88



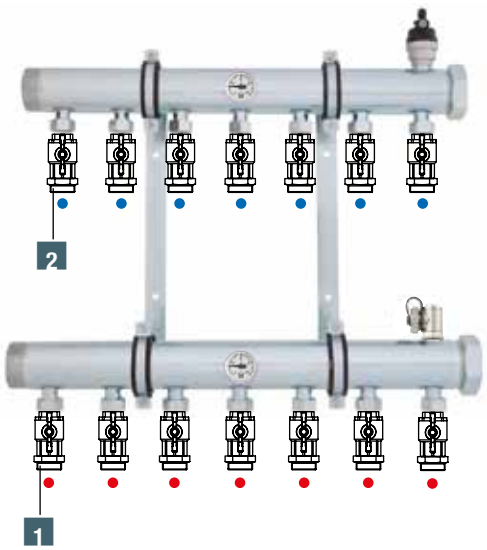
2" M-F Export ball valve with red plasticized steel lever for Industrial Floor manifold

Dimension	Pcs. pack	Code	Price €
2"	1	09811350	64,54

Dimensions: see section Technical Attachments.

Industrial manifold

Steel industrial distribution manifold



Steel industrial manifold prepared for ball valves

Manifolds and branches in drawn steel Fe 306B UNI EN 10305
Braze welding in continuous oven at 1080 °C with copper welding material 99.9%
Surface treatment: white zinc plating

Technical Data

Maximum operating temperature 110 °C
Maximum operating pressure 10 bar
Head thread Male in confirm to UNI EN ISO 228-1 (G 2)
Derivation takeoff thread 80 mm with swivel nut in confirm to UNI EN ISO 228-1 (G 3/4)
Distance between connections: 80 mm

Supplied together with:
Nr. 2 blins nipples G 2" F
Nr. 1 water drain/discharge valve G 1/2" M
Nr. 1 automatic + manual air vent valve G 1/2" M
Nr. 2 thermometers Ø 40 (80 °C)
Nr. 2 dual metal holders

Application of steel industrial manifold for ball valves

1 Kit valve 3/4" red butterfly + fitting
2 Kit valve 3/4" blue butterfly + fitting

Dimension	Ways	Pcs. pack	Code	Price €
2"	5 + 5	1	07400460	590,60
2"	6 + 6	1	07400462	640,70
2"	7 + 7	1	07400464	685,50
2"	8 + 8	1	07400466	710,10
2"	9 + 9	1	07400468	769,00
2"	10 + 10	1	07400470	818,10
2"	11 + 11	1	07400472	865,50
2"	12 + 12	1	07400474	904,70
2"	13 + 13	1	07400476	959,20
2"	14 + 14	1	07400478	1.019,00
2"	15 + 15	1	07400480	1.085,00

Note: manifold supplied NOT assembled

Dimensions: see section Technical Attachments.

Acessories for Industrial manifolds



Kit valve 3/4" red butterfly + fitting

Dimension	Pcs. pack	Code	Price €
24x19	1	01306196	16,83
M32x1,5	1	01306192	17,66

The valves must be used fully open or closed



Kit valve 3/4" blue butterfly + fitting

Dimension	Pcs. pack	Code	Price €
24x19	1	01306198	16,83
M32x1,5	1	01306194	17,66

The valves must be used fully open or closed



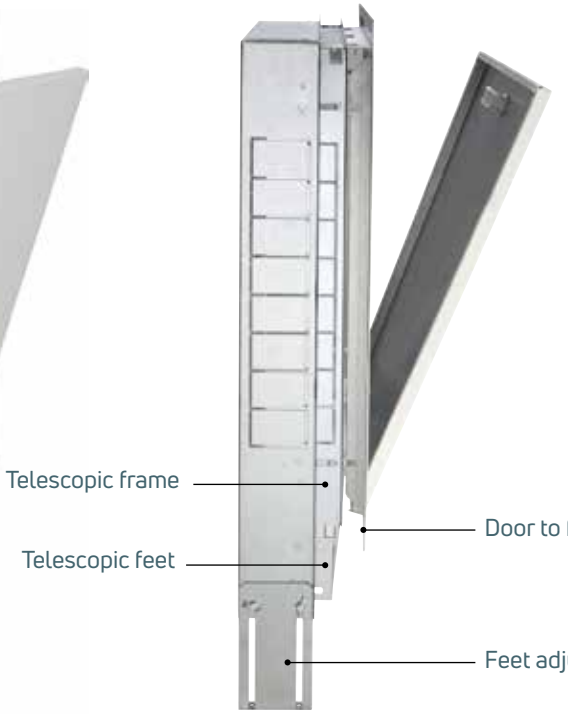
Vertical male union joint, nickel plated

Dimension	Thread	Pcs. pack	Code	Price €
3/4"	24x19	14	28103050	3,51
3/4"	M32x1,5	10	28103060	4,05

Metalbox Plus

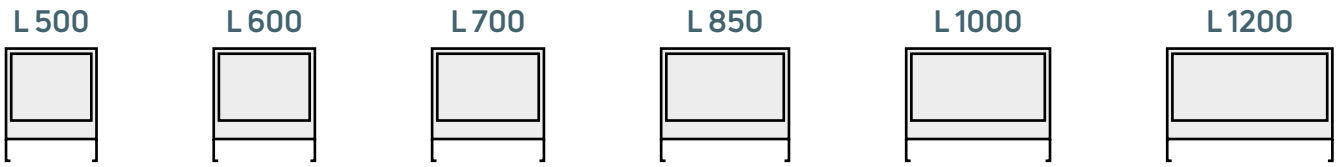
Manifold cabinet for manifolds and distribution groups





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Dimensions: see section Technical Attachments.



Casing in galvanized sheet and plastic door frame, white color RAL 9010.

Suitable for flush installation with adjustable depth for the partition 80 and 120 mm.
Suitable for:
- Collectors Topway from 1" to 1"1/4
- Mixing groups: Floor Control Unit HE, TM3-R and Firstbox
- Metering modules of thermal energy consumption, with a key lock purchased separately.

Dimension	Pcs. pack	Code	Price €
L 500	1	01301450	132,80
L 600	1	01301452	149,70
L 700	1	01301454	166,00
L 850	1	01301456	205,90
L 1000	1	01301458	239,30
L 1200	1	01301460	269,30

It is supplied complete with closure of screwdriver cut, adjustable feet in height from 0 to 100 mm and in sheet construction site protection.
Wire frame plaster 3 mm.



Key lock

Dimension	Pcs. pack	Code	Price €
	1	90067980	48,47

Metalbox

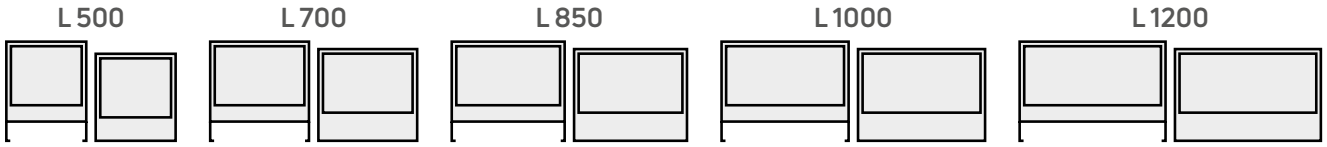
Manifold cabinet for manifolds and distribution groups





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Dimensions: see section Technical Attachments .



Cabinet in galvanized steel with plastified door, white colour RAL 9010, for 120 mm brick thickness. Suitable for Modular Firstbox

Box for Modular Firstbox, flush fitting with adjustable depth. Supplied complete with keylocking catch, feet adjustable for height from 0 to 100 mm and cover for protection during site work.

Dimension	Pcs. pack	Code	Price €
L 500	1	01301470	169,20
L 700	1	01301472	216,60
L 850	1	01301474	271,70
L 1000	1	01301476	296,00
L 1200	1	01301478	342,80

Frame and door to fit flush with wall 3 mm



External cabinet in galvanized steel with plastified door, white colour RAL 9010. Suitable for 1"1/4 Topway manifolds.

External box for manifolds, supplied complete with locking catch.

Dimension	Pcs. pack	Code	Price €
L 500	1	01301480	175,90
L 700	1	01301482	216,20
L 850	1	01301484	262,50
L 1000	1	01301486	282,70
L 1200	1	01301488	374,80

Mixer

Coplanar steel manifold

NEW



Uses
The Mixer manifold is used in closed-circuit heating systems for distribution to radiators, thermo-convectors, fan coils, using Emmeti sealing systems with 24x19 thread, inserted in the special Termobox manifold box.

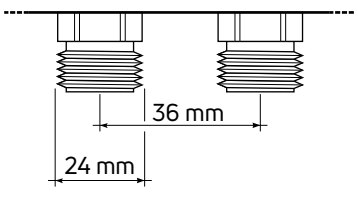
Construction
Head threads: 3/4" Female ISO 228, steel AVP
Columns in 35x2 steel tube Fe 360 B UNI EN 10204
Threaded connections 24x19 Male in AVP steel with indication flow/return
Stems in 14x1,5 tube in steel Fe 360 B UNI EN 10204
Brazing in a continuous furnace at 1080 °C with copper 99.9% added
Surface treatment of nickel-plating and subsequent chrome-plating.

Technical data
Maximum operating pressure 10 bar
Maximum operating temperature 110 °C
100% tested

Note:
Lime ruins the coating and compromises the durability of the product.

Dimensions: see section Technical Attachments.





24x19

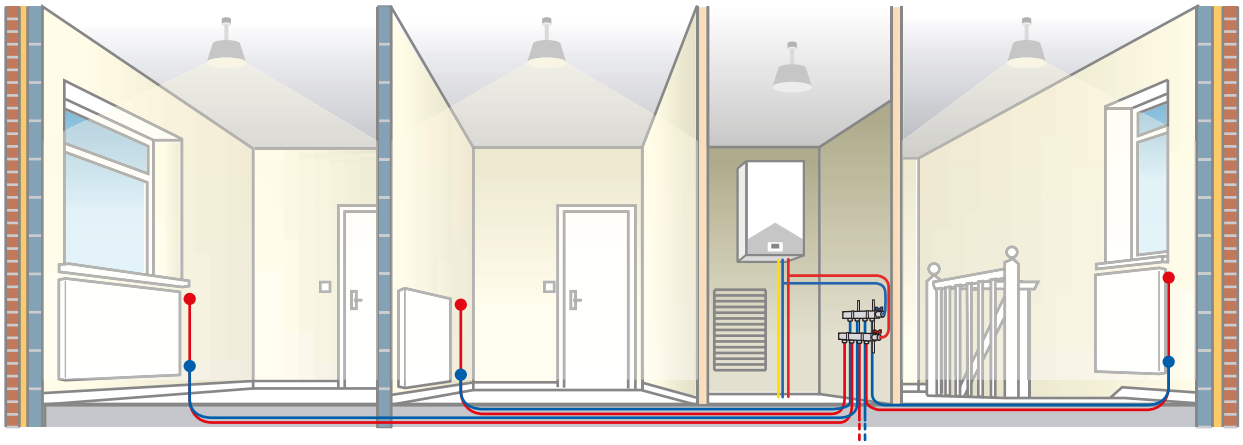
Mixer coplanar steel manifold

NEW

Size	Ways	Pcs. pack	Code	Price €
3/4"	4x4	1	01300810	133,64
3/4"	6x6	1	01300820	166,76
3/4"	8x8	1	01300830	207,70

Emmeti seals 24x19: see section 8

Brass manifold



SCAN

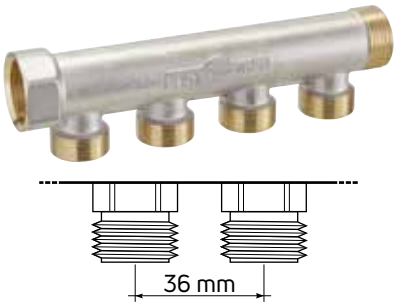


Construction
Body made of brass UNI EN 12165 CW617N with nickel finish
24x9 threaded outlets with Ø 14 mm passage

Compliant with 4MS Common Composition List requirements

Technical data
Head thread: Male - Female UNI EN ISO 228-1
Maximum operating pressure: 10 bar
Maximum operating temperature range: 110 °C

Dimensions: see section Technical Attachments.



Modular nichel-plated manifold
for copper pipe, multi-layer, Pex, PP, PB takeoffs centers 36 mm

Dimension	Ways	Pcs. pack	Code	Price €
3/4"	2	10	01303150	10,70
3/4"	3	6	01303152	15,19
3/4"	4	10	01303154	18,81
1"	2	8	01303160	13,97
1"	3	10	01303162	19,40
1"	4	8	01303164	23,33

Emmeti seals 24x19: see section 8



Metallic support takeoffs 50 mm

Dimension	Pcs. pack	Code	Price €
Couple single x 3/4"	1	01306370	7,90
Couple double x 3/4"	1	01306374	14,54
Couple single x 1"	1	01306372	7,90
Couple double x 1"	1	01306376	14,61

NOT suitable for distribution manifolds takeoffs 36 mm

Hydrobox Basic

Built-in box for water with ball valves and retractable knobs





Uses
Box for sanitary distribution manifolds, equipped with a ball shut-off valve, suitable for built-in wall-mounting.

Features
- Box designed for Modular manifolds 3/4" up to 4 ways in the model 310x310 mm, up to 8 ways in the model 460x310 mm;
- Shut-off handles located behind elegant chrome plated or white doors (included) or anthracite (optional);
- Shut-off valves replaceable without demolition;
- Reversibility of the input lines (Right or Left);
- Compact size (110 mm) for drilling thickness 80 mm and plaster with a minimum thickness of 15 + 15 mm

Box materials
Box in ABS
Cover in ABS
Doors in ABS
Supports for valves and manifolds in PA 6

Compliant with 4MS Common Composition List requirements

Dimensions: see section Technical Attachments.

Technical data
DN15 valves with threaded connections UNI EN 10226-1 (R 3/4)
Opening and closing with 90 ° knob rotation
Flow direction: in both directions
Minimum and maximum working temperature: - 20 ° C / + 90 ° C **
Maximum pressure (T = 90 ° C): 10 bar
Nominal pressure (T = 20 ° C): 10 bar
** In the absence of steam for temperatures below 0 ° C, use water and glycol solutions.

The valves must be used in the fully open or closed position.

O-Ring shaft seal in EPDM Peroxide 70 Sh A (ASTM D2240)

These valves must be used at the pressures indicated in the catalog and are suitable for domestic hot and cold water distribution systems (Ref. Directive 2014/68 / EU Art. 13).
For particular uses (in compliance with the pressures established for these valves and the compatibility of the different fluids with the materials making up the valve) see the chemical compatibility table in the technical annexes of the current catalog.
The CW617N-DW brass, Teflon (P.T.F.E.), and the O-Rings in EPDM Peroxide in contact with the fluid, comply with the Italian Ministerial Decree 174 (of 06/04/2004)

Note: the Modular manifolds are supplied separately



Built-in box for water with ball valves and retractable knobs

Dimension	Ways	Pcs. pack	Code	Price €
310 x 310	up to 4 ways	1	01308100	128,40
460 x 310	up to 8 ways	1	01308120	135,20

To be combined with Modular brass manifolds.
Modular manifolds are supplied separately

Accessories for Hydrobox Basic



White door

Model	Pcs. pack	Code	Price €
White door	1	90033762	3,37



Chromed door

Model	Pcs. pack	Code	Price €
Chromed door	1	90033764	5,18



Anthracite

Model	Pcs. pack	Code	Price €
Anthracite door	1	90033766	4,93



Straight with swivel nut, flat seal

Dimension	Profile	Pcs. pack	Code	Price €
16 x 3/4"	B (KSP1) / TH (KSP11)	1	28102598	7,54
20 x 3/4"	B (KSP1) / TH (KSP11)	1	28102606	7,55
26 x 3/4"	B (KSP1) / TH (KSP11)	1	28102612	7,78

Thread UNI EN ISO 228-1

Multiplex

Brass manifold with bibcocks





SCAN

WRAS

Construction
Body made of brass UNI EN 12165 CW617N with nickel finish
Thread 24x19
ABS white knobs
Copuling in EPDM
Plate indicating the supporting services
Distance between connections: 36 mm

Technical data
Head thread: Male-Female UNI EN ISO 228-1
24x19 gas thread outlets, 24 mm in diameter and 19 threads per inch
Maximum operating pressure: 10 bar
Maximum operating temperature: 110 °C

Compliant with 4MS Common Composition List requirements

Note: not suitable for the way regulating, only open or closed

Dimensions: see section Technical Attachments.

Brass manifold with bibcocks



24x19

Multiplex brass manifold with isolating taps , sectional with union nipple

Dimension	Ways	Pcs. pack	Code	Price €
3/4"	2	12	01307260	27,51
3/4"	3	8	01307265	38,88
3/4"	4	6	01307270	50,48
1"	2	8	01307280	28,56
1"	3	6	01307285	41,00
1"	4	4	01307290	54,37

Emmeti seals 24x19: see section 8



Multiplex manifold bridging piece

Dimension	Pcs. pack	Code	Price €
3/4"	10	01307200	6,38
1"	10	01307210	6,30

Thread UNI EN ISO 228-1

Accessories for Modular and Multiplex manifolds

WEB

SCAN



Nickel-plated plug

Dimension	Pcs. pack	Code	Price €
3/4" M	30	90004820	2,70
1" M	15	90004830	3,95
3/4" F	30	01291536	2,58
1" F	15	01291538	3,95

Thread UNI EN ISO 228-1



Nickel-plated adapter

Dimension	Pcs. pack	Code	Price €
3/4" M x 3/8" F	30	90005050	2,70
1" M x 3/8" F	15	90005060	6,30

With o-ring
Thread UNI EN ISO 228-1



Right-angle Progress ball valves with pipe union

Dimension	Pcs. pack	Code	Price €
3/4"	1	01306180	54,60
1"	1	01306266	77,01

Thread of body valve UNI EN 10226-1;
thread of pipe union UNI EN ISO 228-1.

Technical data: refer to the section "Accessories for Topway manifolds"

Termobox

Plastic manifold box





SCAN

L 310 L 460 L 610

Uses
Plastic box for manifolds, flush fitting with adjustable depth.
Supplied complete with plastic netting and cover for protection during site work.

Construction
Made of plastic material for toughness and durability
Box in ABS
Cover in PS shock-resistant polystyrene supports in PA6



TermoBox universal white plastic box for manifolds

Dimension	Pcs. pack	Code	Price €
310 x 310 x 90	5	01302092	28,21
460 x 310 x 90	3	01302102	36,26
610 x 310 x 90	2	01302112	43,25



Kit supports for Topway bar manifolds without mechanics and Topway M

Type	Dimension	Pcs. pack	Code	Price €
Kit 10 couple supports Topway - Topway M	3/4"	1	01302120	14,54
Kit 10 couple supports Topway - Topway M	1"	1	01302130	14,54



Kit supports for Modular and Multiplex manifolds

Type	Dimension	Pcs. pack	Code	Price €
10 couples supports kit for Modular - Multiplex	3/4"	1	01302140	12,64
10 couples supports kit for Modular - Multiplex	1"	1	01302150	12,64



Kit supports for Mixer manifolds

Type	Dimension	Pcs. pack	Code	Price €
10 couples supports kit for Mixer manifolds	3/4" - 1"	1	01302160	12,64

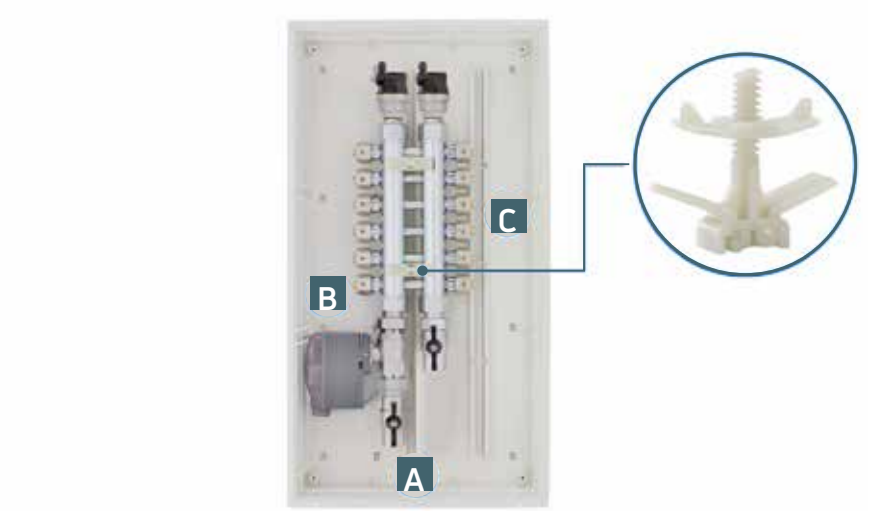
Plastic manifold box



Aluminium profilers for supports manifold

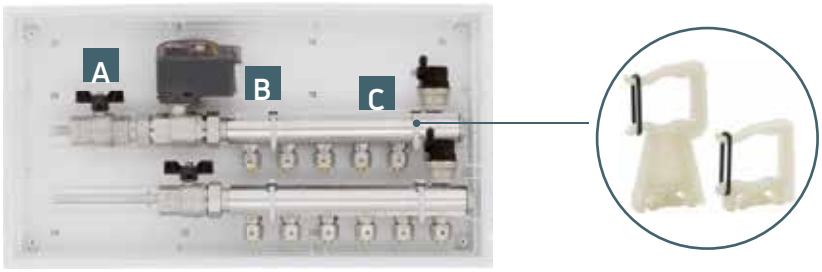
Dimension	Pcs. pack	Code	Price €
400 mm	1	01306400	18,23
200 mm	1	01306398	13,25

Termobox with Mixer: manifolds: maximum number of ways



Termobox	3/4" A+C	3/4" B+C	3/4" A+B+C
310 x 310	-	-	-
460 x 310	4 ways	4 ways	2 ways
610 x 310	8 ways	8 ways	6 ways

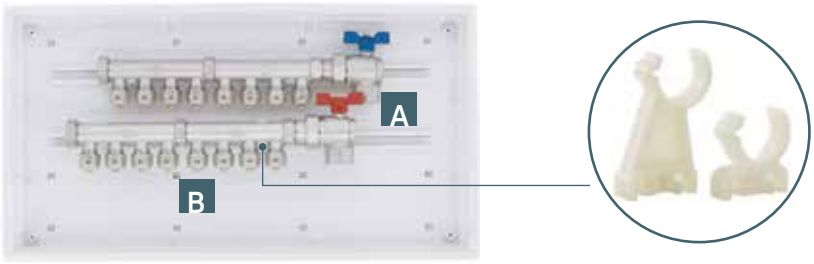
Termobox with Topway manifolds: maximum number of ways



Termobox	1" A+C	3/4" A+C takeoff 50 mm	3/4" A+C takeoff 36 mm	1" B+C	3/4" B+C takeoff 50 mm	3/4" B+C takeoff 36 mm	1" A+B+C	3/4" A+B+C takeoff 50 mm	3/4" A+B+C takeoff 36 mm
310 x 310	2 ways	3 ways	4 ways	-	2 ways	2 ways	-	-	-
460 x 310	5 ways	6 ways	8 ways	4 ways	5 ways	6 ways	3 ways	4 ways	5 ways
610 x 310	8 ways	9 ways	12 ways	7 ways	8 ways	11 ways	6 ways	7 ways	9 ways

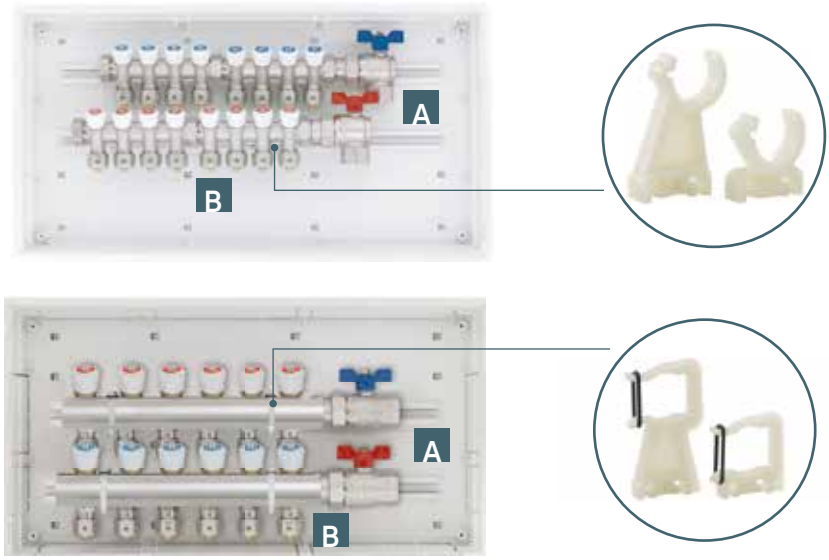
Plastic manifold box

Termobox with Modular manifold: maximum number of ways



Termobox	1" A+B	3/4" A+B
310 x 310	3 ways	4 ways
460 x 310	7 ways	8 ways
610 x 310	12 ways	12 ways

Termobox with Multiplex or Topway M manifold: maximum number of ways



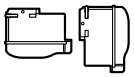
Termobox	1" A+B takeoffs 36 mm	3/4" A+B takeoffs 36 mm
310 x 310	3 ways	4 ways
460 x 310	7 ways	8 ways
610 x 310	12 ways	12 ways

Modulo Compact

Motor driven ball-valve

IP 43 | IP 40





WEB

SCAN





Valve technical data
Valve body made brass UNI EN 12165 CW617N with nickel finish
Ball made brass UNI EN 12165 CW617N chromium plated
Operating temperature range from -40 to 100 °C (circulating fluid)
Operating pressure PN 40
Maximum differential pressure 6 bar
Seals PTFE
Fittings for operating rod HNBR
Threads UNI EN ISO 228-1

Note: in the 3-way type is granted the flow port during the running operations.

Servomotor technical data
Power supply 230 V / 50 Hz or 24 Vac in function of model
Absorption 4 VA
Rotation angle 90° (2 ways) - 180° (3 ways) - 90/270° (4 ways)
Rotation time 60" (2 ways) - 120" (3 ways) - 60/180" (4 ways)
Torque: 8 Nm
Auxiliary contact 1-free 3 A / 230 V (on-off)
Protection class IP 43 IP 40
Insulating class: II
Indicator open valve (2 ways) diverted flux c-sx c-dx (3 ways)



Modulo Compact 230 Vac 2 ways with pipe union connection with thread

Dimension	Ways	Pcs. pack	Code	Price €
1/2"	2	1	01425800	140,50
3/4"	2	1	01425802	206,90
1"	2	1	01425804	213,30



Modulo Compact 230 Vac three ways diverter with pipe union connection with thread

Dimension	Ways	Pcs. pack	Code	Price €
1/2"	3	1	01425806	206,90
3/4"	3	1	01425808	213,30
1"	3	1	01425810	253,10



Modulo Compact 230 Vac 2 ways, Female Female thread

Dimension	Ways	Pcs. pack	Code	Price €
1/2"	2	1	01425820	136,50
3/4"	2	1	01425822	140,50
1"	2	1	01425824	206,90

Motor driven ball-valve



Modulo Compact 230 Vac 3 ways diverter, Female Female thread

Dimension	Ways	Pcs. pack	Code	Price €
1/2"	3	1	01425826	173,50
3/4"	3	1	01425828	206,90
1"	3	1	01425830	219,60



Body for Modulo Compact 4 ways take-off 190÷210 mm for by-pass

For Topway manifolds

Dimension		Pcs. pack	Code	Price €
3/4"	for Topway manifold	1	01425848	290,60
1"	for Topway manifold	1	01425850	336,30



Differential valve for by-pass

Dimension	Pz. conf.	Code	Price €
	1	01306360	11,89

Overpressure valve from 0,2 to 0,5 bar for the T fitting of 4 ways Modulo Compact



Servomotor for motorised ball valve Modulo Compact

Dimension	Pcs. pack	Code	Price €
2 ways - 230 Vac	1	01425860	136,50
3 ways - 230 Vac	1	01425862	136,50
4 ways - 230 Vac	1	01425864	136,30
4 ways - 24 Vac (*)	1	01425870	134,90

(*) Items to be out of range

Modulo Plus

Motor driven ball-valve

IP 43



IP 40





WEB

SCAN





Valve technical data
Valve body made brass UNI EN 12165 CW617N with nickel finish
Ball made brass UNI EN 12165 CW617N chromium plated
Operating temperature range from -40 to 100 °C (circulating fluid)
Operating pressure PN 40
Maximum differential pressure 6 bar
Seals PTFE
Fittings for operating rod HNBR
Threads UNI EN ISO 228-1

Note: in the 3-way type is granted the flow port during the running operations.

Servomotor technical data
Power supply 230 V / 50 Hz
Absorption 4 VA
Rotation angle 90° (2 ways) - 180° (3 ways)
Rotation time 60" (2 ways) - 120" (3 ways)
Moximum torque 28 Nm (230 V)
Auxiliary contact 1-free 3 A / 230 V (on-off)
Protection class IP 43 IP 40
Insulating class: II
Indicator open valve (2 ways) diverted flux c-sx c-dx (3 ways)



Modulo Plus 230 Vac 2 ways with pipe union connection with thread

Dimension	Ways	Pcs. pack	Code	Price €
1"1/4	2	1	01425700	381,00
1"1/2	2	1	01425702	461,30
2"	2	1	01425704	549,50



Modulo Plus 230 Vac three ways diverter with pipe union connection with thread

Dimension	Ways	Pcs. pack	Code	Price €
1"1/4	3	1	01425710	461,30
1"1/2	3	1	01425712	549,50
2"	3	1	01425714	708,50

Motor driven ball-valve



Modulo Plus 230 Vac 2 ways, Female Female thread

Dimension	Ways	Pcs. pack	Code	Price €
1"1/4	2	1	01425730	344,00
1"1/2	2	1	01425732	381,00
2"	2	1	01425734	461,20



Modulo Plus 230 Vac 3 ways diverter, Female Female thread

Dimension	Ways	Pcs. pack	Code	Price €
1"1/4	3	1	01425740	381,00
1"1/2	3	1	01425742	461,20
2"	3	1	01425744	549,40



Servomotor for motorised ball valve Modulo Plus

Dimension	Pcs. pack	Code	Price €
2 ways - 230 Vac	1	01420170	266,00
3 ways - 230 Vac	1	01420172	255,00

Bodies for motorized ball valves

Bodies for Modulo Compact and Modulo Plus motorized valves

WEB

SCAN



Body for Modulo 2 ways with pipe union connection with thread

Dimension	Ways	Pcs. pach	Code	Price €
1/2" (*)	2	1	90021400	51,46
3/4" (*)	2	1	90021410	68,76
1" (*)	2	1	90021420	103,10
1"1/4 (**)	2	1	90021430	135,50
1"1/2 (**)	2	1	90021440	232,90
2" (**)	2	1	90021450	361,10

(*) Recommended for Modulo Compact
(**) Recommended for Modulo Plus
Thread UNI EN ISO 228-1



Body for Modulo 3 ways with pipe union connection with thread

Dimension	Ways	Pcs. pack	Code	Price €
1/2" (*)	3	1	90021320	68,76
3/4" (*)	3	1	90021460	97,79
1" (*)	3	1	90021470	143,60
1"1/4 (**)	3	1	90021480	197,20
1"1/2 (**)	3	1	90021490	329,40
2" (**)	3	1	90021500	533,20

(*) Recommended for Modulo Compact
(**) Recommended for Modulo Plus
Thread UNI EN ISO 228-1



Body for Modulo 2 ways Female Female thread

Dimension	Ways	Pcs. pack	Code	Price €
1/2" (*)	2	1	90021200	43,01
3/4" (*)	2	1	90021210	51,46
1" (*)	2	1	90021220	78,82
1"1/4 (**)	2	1	90021230	95,42
1"1/2 (**)	2	1	90021240	156,20
2" (**)	2	1	90021250	210,50

(*) Recommended for Modulo Compact
(**) Recommended for Modulo Plus
Thread UNI EN ISO 228-1

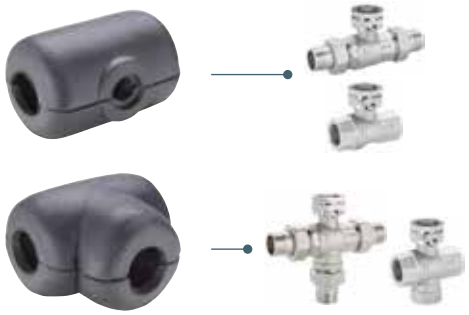


Body for Modulo 3 ways Female Female thread

Dimension	Ways	Pcs. pack	Code	Price €
1/2" (*)	3	1	90021310	51,46
3/4" (*)	3	1	90021260	71,43
1" (*)	3	1	90021270	103,10
1"1/4 (**)	3	1	90021280	128,80
1"1/2 (**)	3	1	90021290	218,30
2" (**)	3	1	90021300	329,40

(*) Recommended for Modulo Compact
(**) Recommended for Modulo Plus
Thread UNI EN ISO 228-1

Modulo ball valves bodies



Insulating shells for Modulo ball valves

Dimension	Pcs. pack	Code	Price €
Insulating shell for ball valve 2 ways 1/2"	1	90045150	7,90
Insulating shell for ball valve 2 ways 3/4"	1	90045160	11,89
Insulating shell for ball valve 2 ways 1"	1	90045170	14,61
Insulating shell for ball valve 2 ways 1" 1/4	1	90045180	18,23
Insulating shell for ball valve 2 ways 1" 1/2	1	90045190	18,23
Insulating shell for ball valve 2 ways 2"	1	90045200	20,81
Insulating shell for ball valve 3 ways 1/2"	1	90045210	11,89
Insulating shell for ball valve 3 ways 3/4"	1	90045220	13,51
Insulating shell for ball valve 3 ways 1"	1	90045230	18,23
Insulating shell for ball valve 3 ways 1" 1/4	1	90045240	18,23
Insulating shell for ball valve 3 ways 1" 1/2	1	90045250	23,82
Insulating shell for ball valve 3 ways 2"	1	90045260	39,34

In close-cell expanded polyehtylene



Insulating shells for servomotor for Modulo Compact

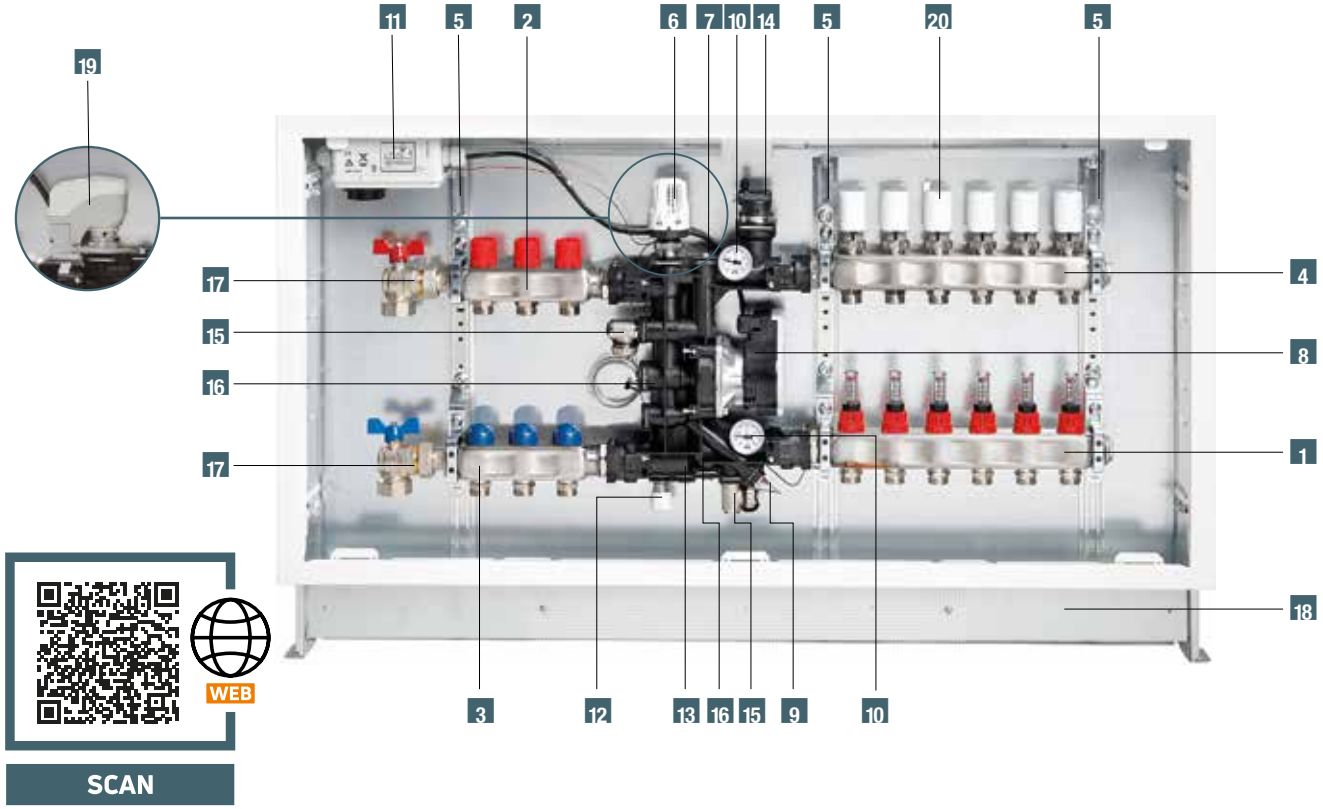
Dimension	Pcs. pack	Code	Price €
Insulating shell for servomotor for 4-ways Modulo Compact	1	90045270	18,23

In close-cell expanded polyehtylene

Floor Control Unit S

NEW

Pre-assembled regulation group (fixed point or electronic climate) and distribution, for low temperature heating systems and mixed systems with two temperature levels (high + low), with stainless steel manifolds



Construction

1. nr. 1 flow bar for floor system with flow meters
2. nr. 1 flow bar for radiator system with regulation lockshields
3. nr. 1 return bar for radiator system prepared for mounting electrothermal heads
4. nr. 1 return bar for underfloor system prepared for mounting electrothermal heads
5. nr. 3 bar fixing brackets
6. nr. 1 mixing valve with thermostatic head and immersion probe from 20 to 65 °C (fixed-point versions, to be purchased separately)
7. nr. 1 calibration and by-pass valve
8. nr. 1 wired circulator pump Wilo Para HU 15/7 (three-core cable L = 1000 mm)
9. nr. 1 flow probe
10. nr. 2 control thermometers from 0 to 80 °C
11. nr. 1 box with safety thermostat for low-temperature circulator wiring (optional) or no. 1 basic control unit 6T for electrothermal heads (optional)
12. nr. 1 overpressure valve (0.1 to 0.6 bar) for high temperature zone
13. nr. 1 intercepting and balancing lockshield
14. nr. 1 automatic air vent valve 1/2"
15. nr. 2 filling taps with swivel connection and safety cap
16. nr. 2 circulator shut-off lockshields
17. nr. 1 valve kit (optional)
18. nr. 1 Metalbox Plus metal box (to be purchased separately)
19. nr. 1 mixing valve with 3-point electric servomotor or 0-10 V DC (climate versions, to be purchased separately)
20. Electrothermal head (optional)

Mixing kit materials

PPA resin (35% PV)
Brass UNI EN 12164 CW 614N
O-rings EPDM 70 Sh
AISI 304 stainless steel elements

Manifold materials

AISI 304 stainless steel manifolds
EPDM peroxide O-ring seals

Floor Control Unit S - Regulation group

The range
Floor Control Unit S B
Low-temperature control and distribution unit (3 to 13-way) and ErP-compliant circulator

Floor Control Unit S 2A + B
Control and distribution unit with 2-way high temperature + low temperature (3 to 13-way) and ErP-compliant circulator

Floor Control Unit S 3A + B
Control and distribution unit with 3-way high temperature + low temperature (3 to 12-way) and ErP-compliant circulator

Mixing Unit M3V: regulating unit with ErP-compliant circulator

Topway S manifolds
Size 1"
Head threads UNI EN ISO 228-1 G 1
24 x 19 Male, centre distance 50 mm

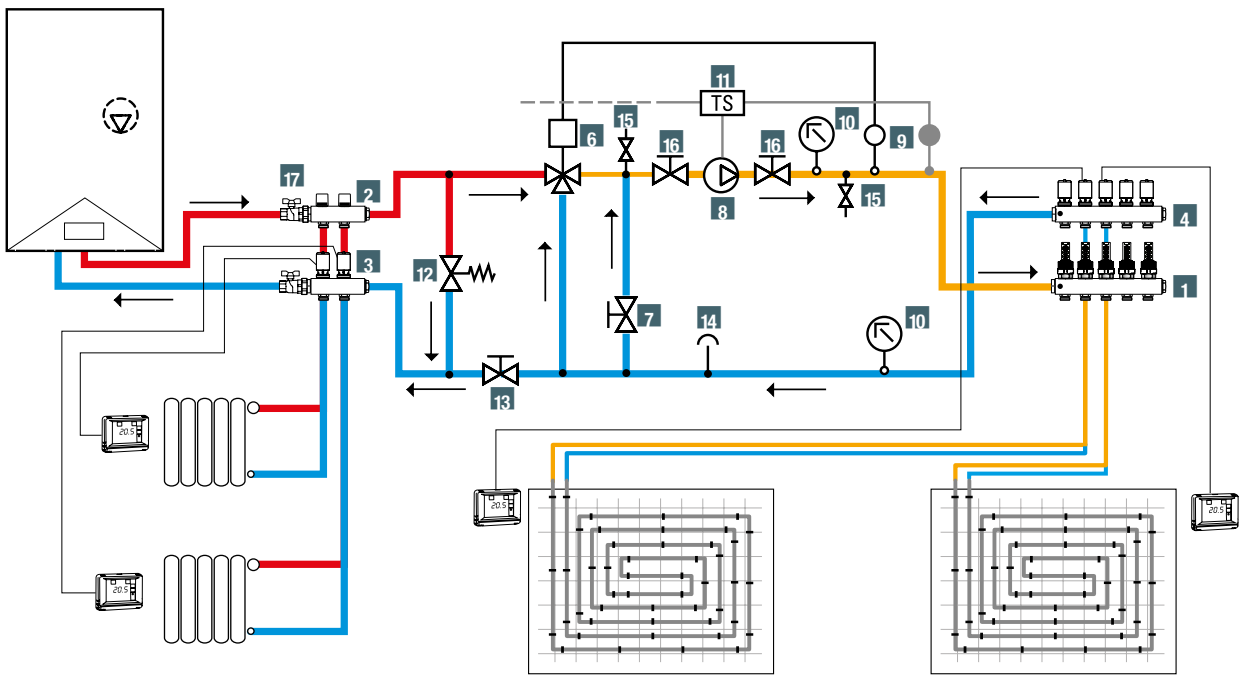
Regulation group
Maximum primary circuit temperature: 90°C
Maximum pressure: 6 bar
Maximum Δp primary circuit: 1 bar
Secondary control range (fixed point control): 20÷65 °C
Exchangable heat output with ΔT = 7°C and Δp usable = 0.25 bar
- fixed point adjustment: 11 kW with by-pass pos. 0
- fixed point adjustment: 14 kW with by-pass pos. 5
Pressure loss with mixing valve: Kv 2.5
Pressure loss with open by-pass valve: Kv max 6
Manifold head threads (where applicable): 1" F
Manifold branch threads: 24x19, centre distance 50 mm
Thermometer scale: 0 ÷ 80 °C

Wilo Para HU 15/7 circulator pump
Rotational speed: 2580 to 4700 rpm.
Maximum head: 7 m
Maximum flow rate: 2.0 m^3/h
Electrical connection: 1~230V + 10% / - 15%, 50/60 Hz
Protection class: IPX 4D
Insulation class: F
Power consumption from 1-230 V: 8.2÷50 W
Absorbed current from 1-230 V: 0.07÷0.44 A
EEI ≤ 0.20
Usable fluids
- cooling and heating water
- water and glycol: max 1:1

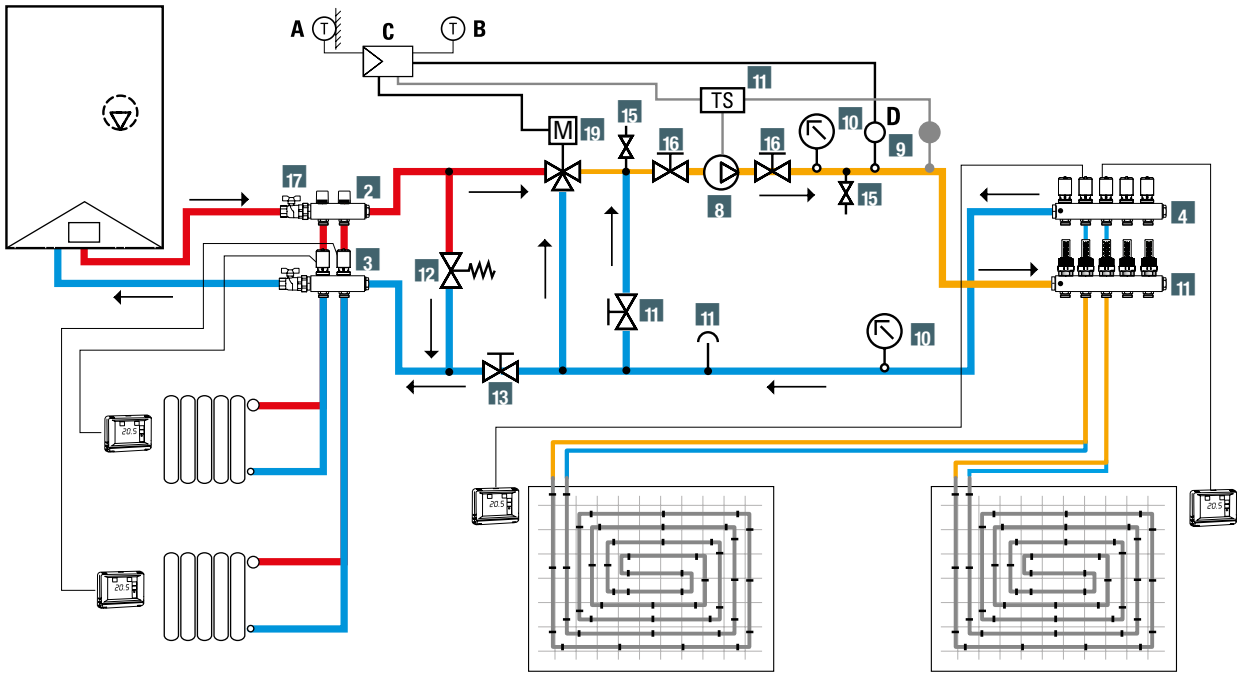
Compliance
ErP Directive
EN 61800-3
EN 61000-6-1
EN 61000-6-2
EN 61000-6-3
EN 61000-6-4
2014/35/UE (low voltage)
2014/30/UE (electromagnetic compatibility)

Dimensions and diagrams: see section technical attachments

Hydraulic diagram fixed point unit

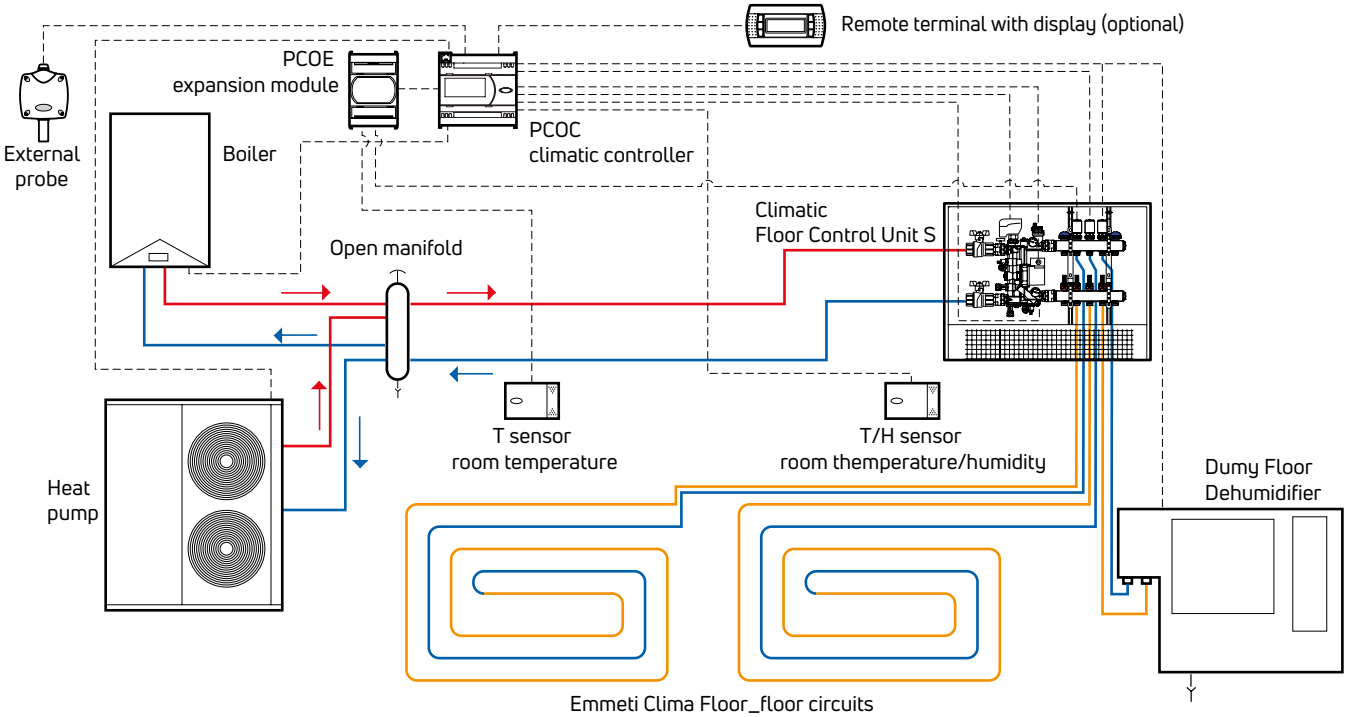


Hydraulic diagram with climatic control - heating only



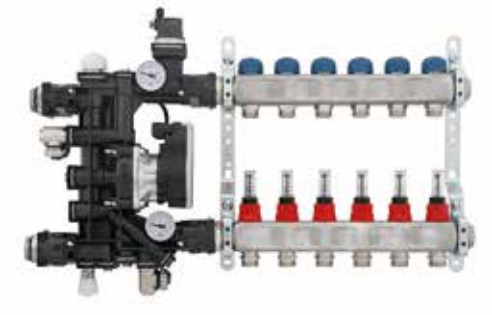
A external probe - **B** room sensor - **C** climatic regulator - **D** flow probe

Hydraulic diagram with climate control - heating and cooling



Note:
the volume of the open manifold/ storage tank must be defined according to the capacity of the chiller/heat pump.

Floor Control Unit S - Regulation group



Floor Control Unit S only Low Temperature

NEW

Dimension	Box	Pcs. pack	Code	Price €
3B	L 600	1	28158504	1.140,00
4B	L 700 (*)	1	28158506	1.137,00
5B	L 850	1	28158508	1.186,00
6B	L 850	1	28158510	1.226,00
7B	L 850	1	28158512	1.266,00
8B	L 1000	1	28158514	1.309,00
9B	L 1000	1	28158516	1.347,00
10B	L 1000 (*)	1	28158518	1.409,00
11B	L 1200	1	28158520	1.449,00
12B	L 1200	1	28158522	1.495,00
13B	L 1200	1	28158524	1.534,00

Complete with:
- thermostatic head with iimmersion probe code 90046750
or
- 3 point electric servomotor code 28157212
or
- 0-10 V DC electric servomotor code 28157222
If an electric servomotor is installed, combine RCE or PCOC electronic climate control kit for heating and/or cooling.

(*) Only compatible with Progress 1" angle valve kit



Floor Control Unit S High and Low Temperature

NEW

Dimension	Box	Pcs. pack	Code	Price €
2A + 3B	L 850	1	28158526	1.249,00
2A + 4B	L 850	1	28158528	1.288,00
2A + 5B	L 850	1	28158530	1.331,00
2A + 6B	L 1000	1	28158532	1.376,00
2A + 7B	L 1000 (*)	1	28158534	1.416,00
2A + 8B	L 1200	1	28158536	1.460,00
2A + 9B	L 1200	1	28158538	1.498,00
2A + 10B	L 1200	1	28158540	1.559,00
2A + 11B	L 1200	1	28158542	1.600,00
2A + 12B	L 1200	1	28158544	1.641,00
2A + 13B	L 1200 (*)	1	28158546	1.682,00
3A + 3B	L 850	1	28158548	1.283,00
3A + 4B	L 850	1	28158550	1.325,00
3A + 5B	L 1000	1	28158552	1.371,00
3A + 6B	L 1000 (*)	1	28158554	1.412,00
3A + 7B	L 1200	1	28158556	1.457,00
3A + 8B	L 1200	1	28158558	1.496,00
3A + 9B	L 1200	1	28158560	1.540,00
3A + 10B	L 1200	1	28158562	1.598,00
3A + 11B	L 1200	1	28158564	1.639,00
3A + 12B	L 1200 (*)	1	28158566	1.680,00

Complete with:
- thermostatic head with iimmersion probe code 90046750
or
- 3 point electric servomotor code 28157212
or
- 0-10 V DC electric servomotor code 28157222
If an electric servomotor is installed, combine RCE or PCOC electronic climate control kit for heating and/or cooling.

(*) Only compatible with Progress 1" angle valve kit



Mixing Unit M3V

Dimension	Pcs. pack	Code	Price €
NEW 1" (*)	1	28158340	703,95
1"1/4 (**)	1	28158330	717,20

(*) Size of threaded connections: G 1" Male.
Also compatible with Topway brass manifolds, by replacing the 4 red O-Rings fitted as standard with the 4 black O-Rings supplied in the pack.

(**) Threaded connections size: G 1"1/4 Male.

Complete with:
- thermostatic head with iimmersion probe code 90046750
or
- 3 point electric servomotor code 28157212
or
- 0-10 V DC electric servomotor code 28157222
If an electric servomotor is installed, combine RCE or PCOC electronic climate control kit for heating and/or cooling.

Accessories for Floor Control Unit S



Galvanised sheet metal box for concealed installation, with plastic-coated frame and door, colour white RAL 9010.

Dimension	Pcs. pack	Code	Price €
L 500	1	01301450	132,80
L 600	1	01301452	149,70
L 700	1	01301454	166,00
L 850	1	01301456	205,90
L 1000	1	01301458	239,30
L 1200	1	01301460	269,30

Comes complete with screwdriver cut-out, feet adjustable in height from 0 to 100 mm and sheet metal site protection.
Frame flush with plaster 3 mm.

Dimensions: see section technical attachments

Floor Control Unit S - Regulation group

Guide to choosing the metal box to match Floor Control Units S

Floor Control Unit S		Metalbox Plus	
Size	**Code**	**Size**	**Code**
3L	28158504	L600	01301452
4L	28158506	L700 (*)	01301454
5L	28158508	L850	01301456
6L	28158510	L850	01301456
7L	28158512	L850	01301456
8L	28158514	L1000	01301458
9L	28158516	L1000	01301458
10L	28158518	L1000 (*)	01301458
11L	28158520	L1200	01301460
12L	28158522	L1200	01301460
13L	28158524	L1200	01301460
2H+3L	28158526	L850	01301456
2H+4L	28158528	L850	01301456
2H+5L	28158530	L850	01301456
2H+6L	28158532	L1000	01301458
2H+7L	28158534	L1000 (*)	01301458
2H+8L	28158536	L1200	01301460
2H+9L	28158538	L1200	01301460
2H+10L	28158540	L1200	01301460
2H+11L	28158542	L1200	01301460
2H+12L	28158544	L1200	01301460
2H+13L	28158546	L1200 (*)	01301460
3H+3L	28158548	L850	01301456
3H+4L	28158550	L850	01301456
3H+5L	28158552	L1000	01301458
3H+6L	20158554	L1000 (*)	01301458
3H+7L	28158556	L1200	01301460
3H+8L	28158558	L1200	01301460
3H+9L	28158560	L1200	01301460
3H+10L	28158562	L1200	01301460
3H+11L	28158564	L1200	01301460
3H+12L	28158566	L1200 (*)	01301460

(*) Only compatible with Progress 1" angle valve kit

Floor Control Unit S - Regulation group



Progress angle valve kit 1" with union for Floor Control Unit S

Dimension	Pcs. pack	Code	Price €
F 1" - F 1" dado girevole	1	01306270	80,35

Kit suitable for installation on Floor Control Unit S **low temperature mixing units only**, if high temperature manifolds are not present.
Complete with 2 gaskets.

Technical data: refer to section "Accessories for Topway Manifolds".



Straight Progress 1" valve kit with spout for Floor Control Unit S

Dimension	Pcs. pack	Code	Price €
F 1" - F 1" dado girevole	1	01306272	70,50

Kit suitable for installation on Floor Control Unit S **low temperature mixing units only**, if high temperature manifolds are not present.
Complete with 2 gaskets.
Valve body threading UNI EN 10226-1
Pipe union threading UNI EN ISO 228-1

Technical data: refer to section "Accessories for Topway Manifolds".



Progress angle valve kit with pipe union

Dimension	Pcs. pack	Code	Price €
1"	1	01306856	54,39

Kit suitable for installation in Floor Control Unit S mixing units equipped with high temperature manifolds.

Technical data: refer to section "Accessories for Topway Manifolds".



Straight Progress Valve Kit with pipe union

Dimension	Pcs. pack	Code	Price €
1"	1	01306708	42,80

Kit suitable for installation in Floor Control Unit S mixing units equipped with high temperature manifolds.

Technical data: refer to section "Accessories for Topway Manifolds".



High-temperature accessory kit

NEW

Dimension	Pcs. pack	Code	Price €
(2+2)H	1	01285502	141,60
(3+3)H	1	01285503	170,70
(4+4)H	1	01285504	202,20

Complete with bracket for fixing the manifolds in the metal box.

Dimensions: section Technical attachments



Steel manifold bracket kit for Mixing Unit M3V

NEW

Dimension	Pcs. pack	Code	Price €
1"	1	01307176	9,20

To be provided **ONLY** when combining Topway S steel manifolds with Mixing Unit M3V 1" code 28158340



Insulating shell for Floor Control Unit S, Mixing Unit M3V

Dimension	Pcs. pack	Code	Price €
	1	01306510	89,52

In closed-cell crosslinked expanded polyethylene.
For installation of the insulating shell, it's necessary to first remove the hydraulic assembly from the box (thus do not make the hydraulic and electrical connections before having installed the insulating shell). If the shell is being installed on an assembly inside a Metalbox metal box, it's recommended that the assembly be installed maintaining a distance of 135 mm between the back of the box and the wall.



Thermostatic head with immersion probe for thermostatic regulation group

Setting: 20 ÷ 65 °C
Size thread connection: M30x1,5

Dimension	Pcs. pack	Code	Price €
M30 x 1,5	1	90046750	38,34



Electric servomotor

3-Point Servomotor technical data
Type of operation: 3-position control - Nominal voltage: 230 Vac (± 15%)
Nominal frequency: 50/60 Hz - Maximum consumption: 6 VA
Permissible room temperature: 0÷55 °C
Maximum permissible fluid temperature: 110 °C
Nominal stroke: 2.5 mm (maximum 5.5 mm)
Stroke time (at 50/60 Hz, regarding a stroke of 2.5 mm): 150 s
Nominal force: 100 N - Degree of protection: IP40 according to EN 60529
Insulation class: II according to EN 60730 - Threaded fitting size: M30x1.5

0-10 V Servomotor technical data
Type of operation: 0-10 V DC control
Nominal voltage: AC/DC 24 V (±20% / ±25%)
Nominal frequency: 50/60 Hz - Maximum consumption: 2 VA
Permissible room temperature: 1÷50 °C
Maximum permissible fluid temperature: 110 °C
Nominal stroke: 2.5 mm (maximum 5.5 mm)
Stroke time (at 50/60 Hz, regarding a stroke of 2.5 mm): 150 s
Nominal force: 100 N - Degree of protection: IP40 according to EN 60529
Insulation class: III according to EN 60730 - Threaded fitting size: M30x1.5

Dimension	Pcs. pack	Code	Price €
3 points	1	28157212	289,40
0-10 V DC	1	28157222	366,00

Complete with adapter for installation of the flow probe (for climatic temperature control) inside the regulation group.
To be combined with RCE or PCOC climatic regulators for heating and cooling.

Electronic system for electro-thermic actuators



Basic wiring box 6T

Electronic system for electrothermic heads, comprised af a basic junction box and additional extension;
Power supply 230 V or 24 V;
Direct power supply to the normally closed electrothermal heads (at the same power supply voltage as the junction box);
Direct connection to the environment thermostats (at the same power supply voltage as the junction box);
Connection of up to six electrothermal heads (configured at high or low temperature);
Connection of up to six environment thermostats;
Connection for low temperature circulating pump;
Connection for heat source activation;
Adjustable safety thermostat (30÷60 °C);
Safety thermostat contact;
Circulating pump anti-blocage function.

Model	Pcs. pack	Code	Price €
Basic wiring 6T	1	28130616	271,00

Electric boxes



Electric box with safety thermostat for pump cable low temperature

Bulb lenght: 65 mm
Bulb diameter: 7 mm
Setting: 0÷60 °C ± 3
Contacts: 400 V 16(4) A
Differential: 4 °C

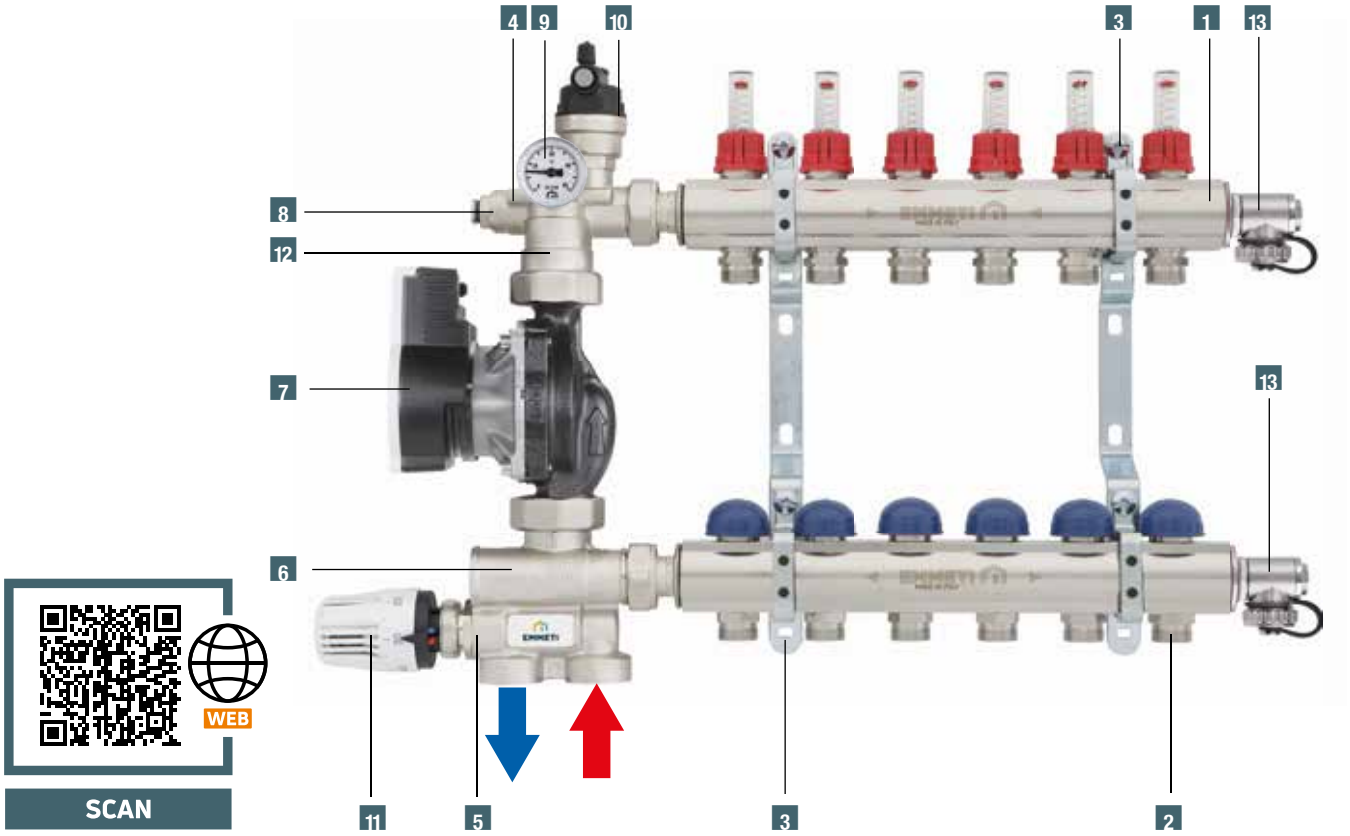
Dimension	Pcs. pack	Code	Price €
	1	28130632	70,34

Component selection guide for pre-assembled Floor Control Units S.

Components	Type of application			
	Heating / Cooling with 3-points servomotor		Heating / Cooling with 0-10 Vdc servomotor	
 28139070 - Section 5	1		1	
 PCOC - Section 5		1		1
 28157212 Section 4	1	1		
 28157222 Section 4			1	1
 28130632 - Section 4	1	1	1	1

TM3-R Mixing Unit

Pre-assembled regulation group (thermostatic or climatic electronic), for low temperature heating systems complete with brackets for installation on wall or in Metalbox (for 120 mm brick thickness)



Construction

1 Nr. 1 flow bar for floor heating system with flow meter;
2 Nr. 1 return bar for floor heating system set up to take thermoelectric heads (where required);
3 Nr. 2 brackets for fixing manifolds;
4 Housing for thermostat safety probe;
5 Nr. 1 mixing valve thread M30x1,5 set up to thermoelectric head with immersion probe from 20 to 65 °C (where required) electric servomotor (not supplied);
6 Nr. 1 adjusting valve and by-pass (fixed-point adjustment)
7 Nr. 1 Wilo Para 25/7 circulator pump with cable (tripolar cable L = 1000 mm)
8 Nr. 1 housing for temperature flow probe;
9 Nr. 1 control thermometer from 0 to 80 °C;
10 Nr. 1 automatic bleed valve 1/2"
11 Nr. 1 thermostatic head with immersion probe from 20 to 65 °C (fixed-point adjustment)
12 Nr. 1 check valve (not shown in the figure)
13 Nr. 2 fill and discharge adjustable bibcocks with safety plug

Circulator compliance

ErP Directive
EN 61800-3
EN 61000-6-3 / EN 61000-6-4
EN 61000-6-2 / EN 61000-6-1
2014/35/UE (low voltage)
2014/30/UE (electromagnetic compatibility)

Dimensions: see section Technical Attachments

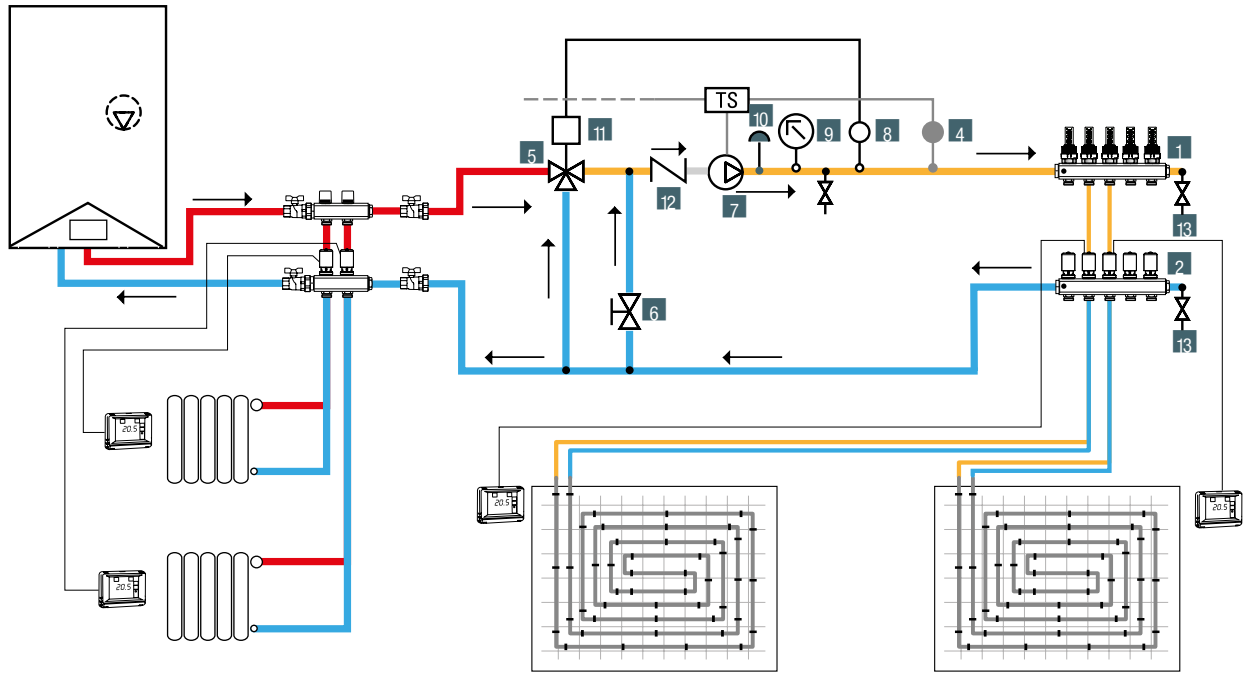
Technical data

Max temperature for primary circuit: 90 °C
Max operating pressure: 6 bar
Δp max for primary circuit: 1 bar
Secondary range: 20÷65 °C (fixed-point regulation)
Thermal power exchangeable ΔT 7°C, Δp useful 0,25 bar
- Fixed-point regulation: 10 kW by-pass position 0
- Fixed-point regulation: 12.5 kW by-pass position 5
Pressure drop with by-pass valve position 5: Kvmax=4,8
Thermometer scale: 0÷80 °C
Head threads of Mixing group: 1" Female
Head threads of Topway manifolds: G 1" Female
Topway manifolds takeoffs threads: 24x19 male, takeoffs 50 mm

Circulator Pump Wilo Para 25/7

Thread UNI EN ISO 228-1 (G 1 1/2)
Takeoff: 130 mm
Variable rotation speed: 2580÷4700 rpm
Maximum pressure head: 7 m
Maximum flow rate: 3,5 m^3/h
Fluids can be used:
- water cooling and heating
- water and glycol: max 1:1
Power absorbed: 1~230 V +10% / -15%, 50/60 Hz
Protection class: IPX 4D
Insulation class: F
Power absorbed from 1-230 V: 8.2÷50 W
Elecrical consumption from 1-230V: 0.07 ÷0,44 A
EEI ≤ 0,2

Hydraulic scheme of fixing regulation group and circulator pump





TM3-R thermostatic with manifolds with flow meters (4 l/min), low temperature

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2L	24x19	1	28132500	730,70
1"	3L	24x19	1	28132502	761,70
1"	4L	24x19	1	28132504	792,70
1"	5L	24x19	1	28132506	827,60
1"	6L	24x19	1	28132508	856,40
1"	7L	24x19	1	28132510	886,70
1"	8L	24x19	1	28132512	919,40
1"	9L	24x19	1	28132514	950,40
1"	10L	24x19	1	28132516	994,90
1"	11L	24x19	1	28132518	1.026,00
1"	12L	24x19	1	28132520	1.058,00

Complete with thermostatic head with immersion probe

Wilo Para RS 25/7
Connections - takeoffs: G1 1/2 - 130 mm



TM3-R thermostatic without circulator pump

Dimension	Pcs. pack	Code	Price €
	1	28132200	242,10

Complete with thermostatic head with immersion probe

TM3-R Mixing Unit - Regulation group



TM3-R thermostatic with Wilo Para RS 25/7 electronic circulator pump

Dimension	Pcs. pack	Code	Price €
	1	28132206	570,90

Complete with thermostatic head with immersion probe

Wilo Para RS 25/7
Connections - takeoffs: G11/2 - 130 mm

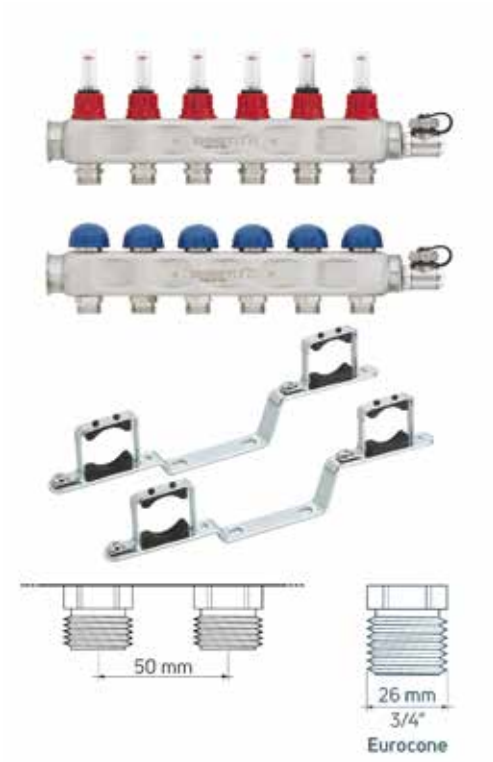


Pre-assembled distribution manifolds takeoffs 24x19 with lockshields with flow meters

Complete with:
Lockshields with built-in flow meters (0÷4 l/min)
Manual adjustment valves set up to take thermoelectric heads
Nr. 2 reductions 1" M - 1/2" F
Nr. 2 drain water valves 1/2"
Nr. 2 dual metal holders 1"
Use the black o-rings supplied with the TM3-R group to assemble the manifold.

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2	24x19	1	01297340	171,50
1"	3	24x19	1	01297342	204,30
1"	4	24x19	1	01297344	236,80
1"	5	24x19	1	01297346	276,60
1"	6	24x19	1	01297348	307,60
1"	7	24x19	1	01297350	342,20
1"	8	24x19	1	01297352	378,50
1"	9	24x19	1	01297354	413,30
1"	10	24x19	1	01297356	461,90
1"	11	24x19	1	01297358	501,00
1"	12	24x19	1	01297360	533,80

Items available on request



Topway S Compact - stainless steel distribution manifold 1"

Complete with:
Built-in flowmeters (0÷4 l/min)
Valves with manual adjustment predisposed for electrothermal heads
Nr. 2 water drain valve 1/2" with plug
Nr. 2 metal brackets for installation in metal box or wall

Dimension	Ways	Thread	Pcs. pack	Code	Price €
1"	2+2	3/4" Eurocone	1	01282320	154,70
1"	3+3	3/4" Eurocone	1	01282322	178,60
1"	4+4	3/4" Eurocone	1	01282324	208,60
1"	5+5	3/4" Eurocone	1	01282326	238,50
1"	6+6	3/4" Eurocone	1	01282328	268,50
1"	7+7	3/4" Eurocone	1	01282330	298,90
1"	8+8	3/4" Eurocone	1	01282332	329,20
1"	9+9	3/4" Eurocone	1	01282334	359,00
1"	10+10	3/4" Eurocone	1	01282336	389,00
1"	11+11	3/4" Eurocone	1	01282338	419,10
1"	12+12	3/4" Eurocone	1	01282340	449,40

Use the red o-rings supplied with the TM3-R group to assemble the manifold.

TM3-R Mixing Unit - Regulation group



Progress straight ball valves kit female-revolving nut with butterfly handle

Dimension	Pcs. pack	Code	Price €
1" x 1"	1	01306708	42,80



Mixing valve TM3-R

Dimension	Pcs. pack	Code	Price €
	1	90055552	30,33



Safety thermostat kit for mixing units

Dimension	Pcs. pack	Code	Price €
	1	90055734	103,50



Insulating shells for TM3-R

Dimension	Pcs. pack	Code	Price €
1"	1	01306860	41,01

In closed-cell crosslinked expanded polyethylene.

Electronic system for electro-thermic actuators



Basic wiring box 6T

Electronic system for electrothermic heads, comprised af a basic junction box and additional extension;
Power supply 230 V or 24 V;
Direct power supply to the normally closed electrothermal heads (at the same power supply voltage as the junction box);
Direct connection to the environment thermostats (at the same power supply voltage as the junction box);
Connection of up to six electrothermal heads (configured at high or low temperature);
Connection of up to six environment thermostats;
Connection for low temperature circulating pump;
Connection for heat source activation;
Adjustable safety thermostat (30÷60 °C);
Safety thermostat contact;
Circulating pump anti-blocage function.

Dimension	Pcs. pack	Code	Price €
Basic wiring box 6T	1	28130616	271,00

Electric boxes



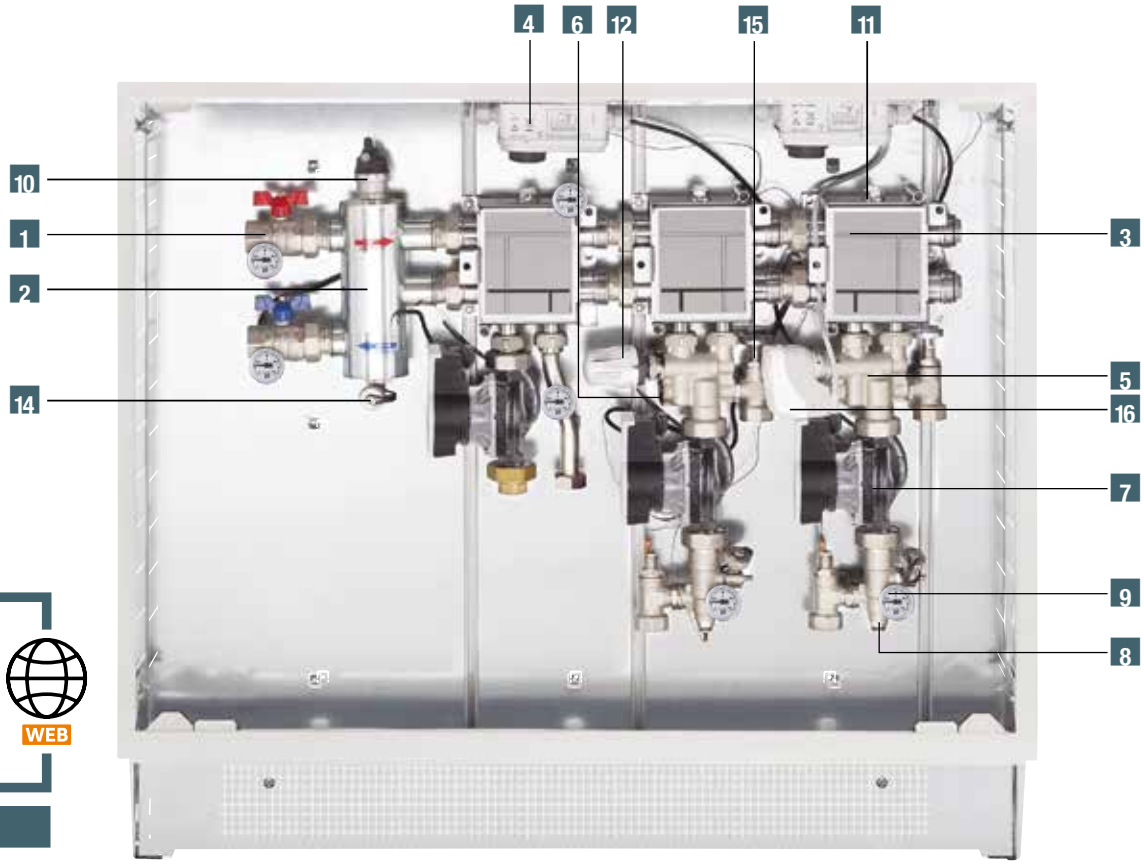
Electric box with safety thermostat for pump cable low temperature

Bulb lenght: 65 mm
Bulb diameter: 7 mm
Setting: 0÷60 °C ± 3
Contacts: 400 V 16(4) A
Differential: 4 °C

Dimension	Pcs. pack	Code	Price €
	1	28130632	70,34

Modular Firstbox high-low temperature systems

Distribution groups for high-low temperature systems, with electronic circulation pumps



SCAN WEB

Allows the creation of systems with high temperature zones (radiators, fan coils) and low temperature zones (floor systems) assembling one or more modules together as needed.
Besides the standard offer of preassembled boxed modules, individual modules are also available which can be used to build the distribution system that is most suited to your needs. The distribution manifold can be fed from both left and right and the branches can be directed either upwards or downwards.
The open manifold installed upstream from the zone distribution modules hydraulically separates the primary circuit from the secondary circuits. The nonreturn valves on the individual modules prevent recirculation and eddy currents that keep the terminals hot and the supply circuits to the pump floor systems nonfunctioning.
To exclude the individual circuits with stopped pumps, there must be electrothermal heads or zone valves directly connected to the distribution manifolds. In modules with electronic climate regulation, the automatic management of the individual low temperature zone is done by the climate regulator that is controlled by the thermostat and acts directly on the mixing valve servomotor and excludes the zone circuit with the circulator not running.
Through the use of electrical boxes for wiring the high and low temperature circulators (not included) controlled by zone thermostats, system operation can be automated.

Construction

1 Ball valve kit (not included)
2 Open manifold (if applicable)
3 Distribution manifold
4 Electrical Box with safety thermostat for wiring low temperature circulator (optional)
5 Threaded mixing valve M30x1.5 for installation of a thermostatic head with immersion probe from 20 to 65° C (where application) or an electric servomotor (not included);
6 Bypass and setting valve.
7 Wilo Para 25/7 electronic circulator wired with threepole cable L=1000 mm
8 Housing for output temperature probe;
9 Control thermometer from 0 to 80° C;
10 Automatic air vent valve, ½";
11 Manual air vent valve, ½";
12 Thermostatic head with immersion probe from 20 to 65° C (fixed point reg.)
13 Non return valve (not shown)
14 Load/unloading tap with adjustable attachment and safety cap (where applicable);
15 Shutoff lockshield with housing for thermometer or return probe (climate reg.)
16 3 point electric servomotor or 010 V DC (not shown)

Dimensions and diagrams: see section Technical Attachments

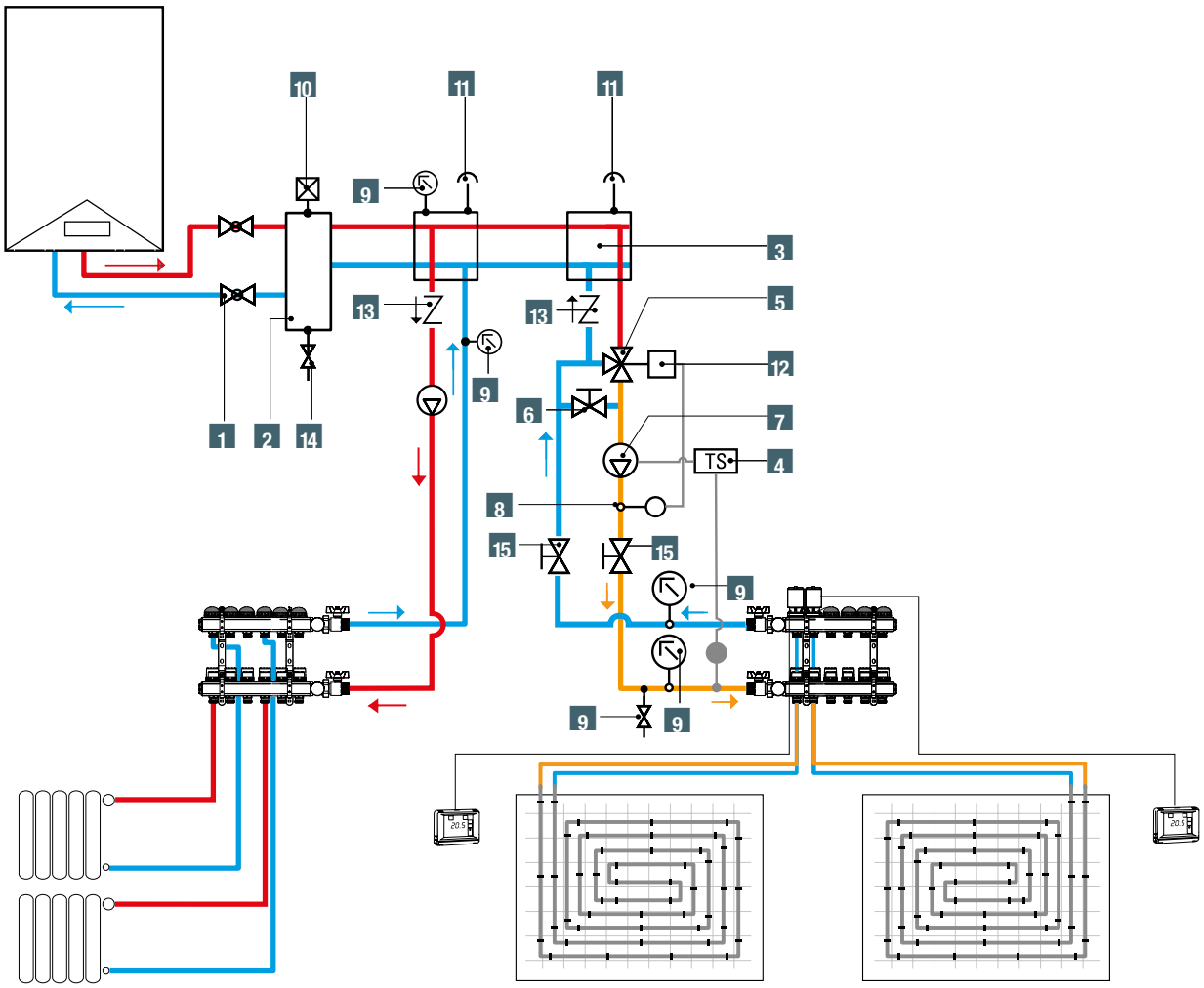
Technical data
Threads UNI EN ISO 228-1
Head threads of distribution manifold: 1"1/4 M - 1" F
Distribution manifold derivation threading: nut 1" F
Individual zone derivation threading: 1" F
Distribution manifold maximum temperature: 110 °C
Maximum pressure: 10 bars
Circulator connectors: pipe union 1" 1/2 spacing 130 mm

Low temperature mixing unit
Primary circuit maximum temperature: 90 °C
Maximum pressure: 10 bars
ΔP max, primary circuit: 1 bar
Mixing unit regulation field: 20÷65° C (fixed point reg.)
Exchangeable thermal power with ΔT 7°C and Δp useful = 0.25 bar
- fixed point regulation: 10 kW by-pass pos. 0
- fixed point regulation: 12.5 kW by-pass pos. 5
Mixing valve load loss (fixed point reg.) Kv 3
Load loss with bypass valve open (fixed point regulation)
Kv max 4.8

Wilo Para 25/7 circulator pump
Threads UNI EN ISO 228-1 (G 1/2)
Takeoff 130 mm.
Rotation speed: 2580÷4700 rpm
Maximum head: 7 m
Maximum flow: 3.5 m^3/h
Usable fluids:
- cooling and heating water
- water and glycol: max 1:1
Electrical connection: 1~230 V +10% / -15%, 50/60 Hz
Protection class: IPX 4D
Insulation class: F
Energy consumption: from 1~230 V: 8.2÷50 W
Current absorbed at 1~230 V: 0.07 ÷0.44 A
EEI ≤ 0,2

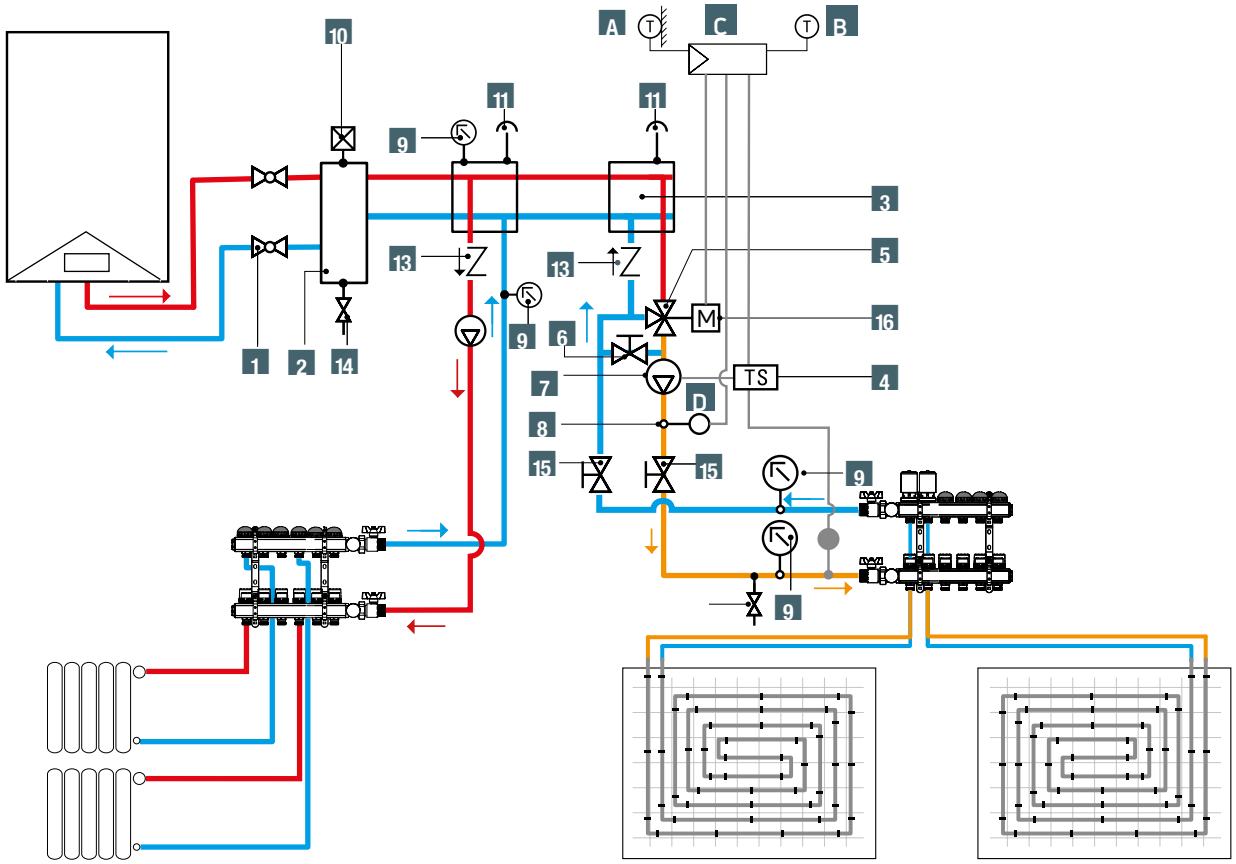
Circulatore compliance
ErP Directive
EN 61800-3
EN 61000-6-3 / EN 61000-6-4
EN 61000-6-2 / EN 61000-6-1
2014/35/UE (low voltage)
2014/30/UE (electromagnetic compatibility)

Hydraulic scheme - Modules with open manifold - Thermostatic regulation



Modular Firstbox - underboiler kit

Hydraulic scheme - Modules with open manifold - Climatic regulation



A external probe
B room sensor
C climatic regulator
D flow probe



Distribution modules for High-temperature with electronic circulation pumps and open manifold

Dimension	Box	Pcs. pack	Code	Price €
1H	L 500	1	28151736	1.024,00
2H	L 700	1	28151738	1.692,00
3H	L 1000	1	28151740	2.473,00

Note: for correct built-in installation, it's recommended that the module be installed maintaining a distance of 135 mm between the back of the cassette and the wall.

Modular Firstbox - underboiler kit



Distribution modules low temperature with mixing valve, pumps and electronic circulator pumps and open manifold.

Dimension	Box	Pcs. pack	Code	Price €
1L	L 500	1	28151742	1.164,00
2L	L 700	1	28151744	1.980,00
3L	L 1000	1	28151746	2.880,00

To be completed with:
- thermostatic head code 90046750
- 3-points electric servomotor code 28157222
or
- 0-10 V DC electric servomotor code 28157220
Combine with climatic regulator RCE or PCOC for heating and cooling.

Note: for correct built-in installation, it's recommended that the module be installed maintaining a distance of 135 mm between the back of the cassette and the wall.



Distribution modules high + low temperature with mixing valve, electronic circulation pumps and open manifold.

Dimension	Box	Pcs. pack	Code	Price €
1H + 1L	L 700	1	28151748	1.862,00
1H + 2L	L 1000	1	28151750	2.676,00
2H + 1L	L 1000	1	28151752	2.564,00

To be completed with:
- thermostatic head code 90046750
- 3-points electric servomotor code 28157212
or
- 0-10 V DC electric servomotor code 28157222
Combine with climatic regulator RCE or PCOC for heating and cooling.

Note: for correct built-in installation, it's recommended that the module be installed maintaining a distance of 135 mm between the back of the cassette and the wall.



Single distribution groups with electronic circulator pumps. High temperature

Dimension	Pcs. pack	Code	Price €
1H	1	28151730	616,90

Pivoting upwards or downwards. Delivered pre-assembled to bottom.

Dimensions: see section Technical Attachments page 481

Modular Firstbox - underboiler kit



Single distribution modules with electronic circulation pump.
Low temperature.

Dimension	Pcs. pack	Code	Price €
1L	1	28151732	765,90

To be completed with:
- thermostatic head code 90046750
- 3-points electric servomotor code 28157212
or
- 0-10 V DC electric servomotor code 28157222
Combine with climatic regulator RCE or PCOC for heating and cooling.

Pivoting upwards or downwards. Delivered pre-assembled to bottom.

Dimensions: see section Technical Attachments



Single distribution groups with predisposition for circulator pump.
High temperature.

Dimension	Pcs. pack	Code	Price €
1H	1	28151800	304,10

Supplied with pipe union to install below the circulator pump.
Connections for circulator pumps: 1"1/2 flat seal
Pivoting upwards or downwards.



Single distribution group with predisposition for circulator pump.
Low temperature.

Dimension	Pcs. pack	Code	Price €
1L	1	28151804	424,10

To be completed with:
- thermostatic head code 90046750
- 3-points electric servomotor code 28157212
or
- 0-10 V DC electric servomotor code 28157222
Complete with pipe union to be installed downstream of the circulation pump.
Connections for circulation pump: 1"1/2 F flat edge.
Combine with climatic regulator RCE or PCOC for heating and cooling.
Pivoting upwards or downwards. Delivered pre-assembled to bottom.

Modular Firstbox low temperature systems

Distributon groups for low temperature systems with auxiliary connections for high temperature terminals



SCAN WEB

The distribution system allows for the construction of systems with high temperature zones (radiators, fan coils) and low temperature zones (underfloor systems).
The distribution manifolds can be powered both from the right and from the left and the derivatons can face upwards or downwards by reversing the power supply.
The non-return valves present on the individual modules prevent recirculation and eddy currents that keep the terminals hot and the supply circuits of the underfloor pump systems not all working.
To exclude the individual circuits with the pumps not running, there must be electrothermic heads or zone valves directly connected to the distribution manifolds.
In the models with electronic climate control, an individual low temperature zone is automatically managed by the climate regulator which, controlled by the ambient thermostat, acts directly on the mixing valve servomotor and excludes the zone circuit with the pump not running.
By using electrical boxes for the wiring of the high and low temperature circulators (not supplied as standard) controlled by the ambient thermostats of the zone, it is possible to make the operation of the system automatic.

Construction

1. Ball valve kit (not included)
2. Flow bar for radiators systems
3. Return bar for radiators systems
4. Flow bar for floor heating systems
5. Return bar for floor heating systems
6. Electrical box with safety thermnostat for wiring low temperature circulator pump
7. Threaded mixing valve M30x1,5 for installation of a thermostatic head with immersion probe from 20 to 65 °C or an electric servomotor (not included)
8. By-pass and setting valve
9. Wilo Para 25/7 electronic circulator pump wired with threepole cable L=1000 mm
10. Housing for output temperature probe
11. Control thermometer from 0 to 80 °C
12. Manual air vent valve 1/2"
13. Nr. 1 thermostati head with immersion probe from 20 to 65 °C (fixed point adjustment, not included)
14. Thermo-electric actuator with auxiliary switch (optional) that isolates the area with circulator pump off
15. Fill and discharge bibcocks with adjustable connection and safety plug
16. Shutoff lockshield with housing for thermometer (or return probe with climatic regulation)
17. Electric servomotor 3 points or 0-10 V DC
18. Therminal kit with by-pass (not show in the picture and not supplied standard)

Dimensions: see section Technical Attachments

Modular Firstbox - Underboiler kit

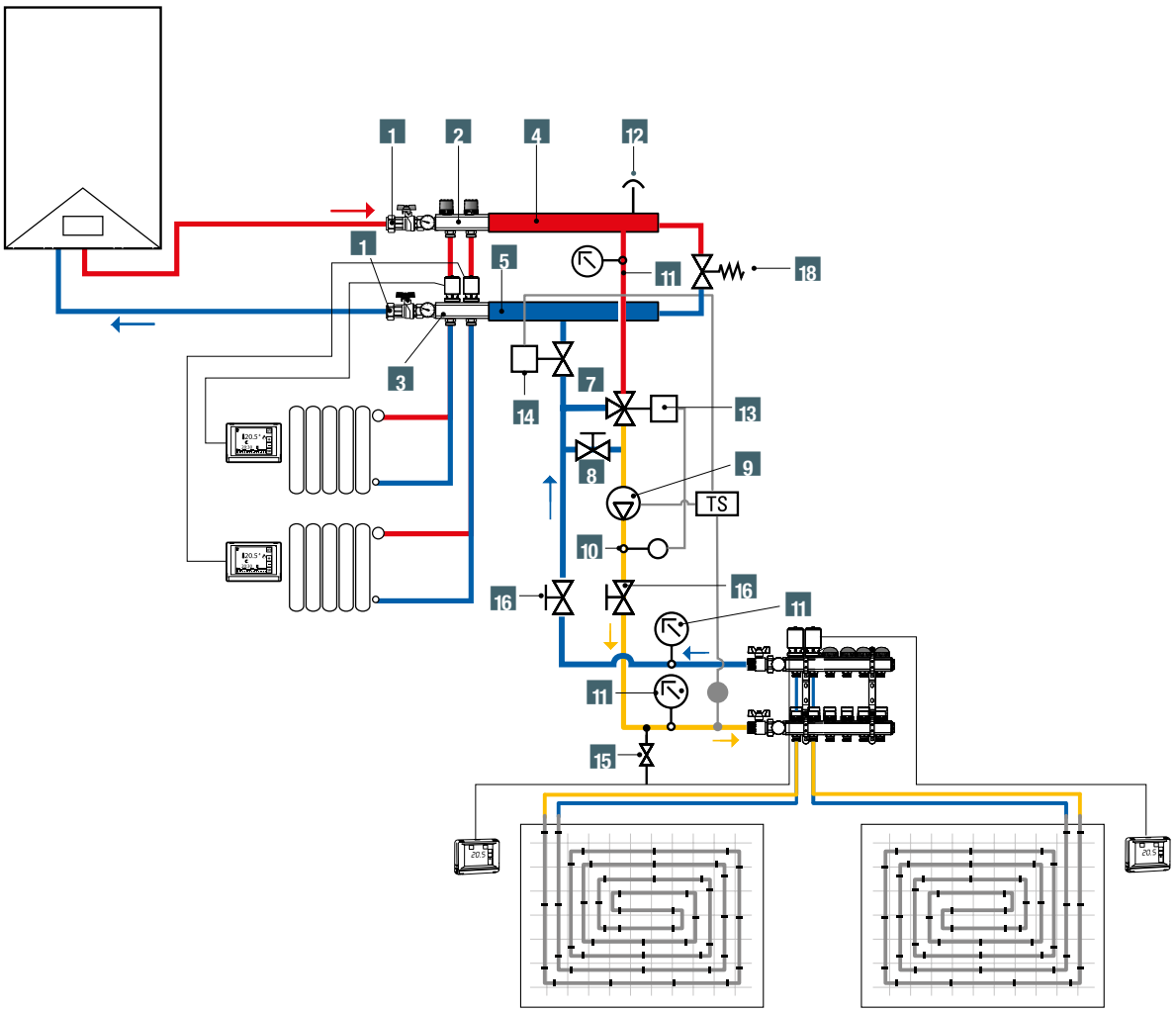
Technical data
Threads UNI EN ISO 228-1
Low temperature distribution manifold head threading: G 1"1/4 F
High temperature distribution manifold head thraading: G 1"F
Individual zone derivation threading low temperature: G 1" F
Individual zone derivation threading high temperature: 24x19
Distribution manifold maximum temperature: 110 °C
Maximum pressure: 10 bar
Circulator pump connections: pipe union 1"1/2 - take off 130 mm.

Low temperature mixing unit
Maximum temperature of primary circuit: 90 °C
Maximum pressure: 10 bar
Δp maximum primary circuit: 1 bar
Mixing unit regulation field: 20÷65 °C (fixed point regulation)
Exchangeable thermal power (ΔT 7°C, Δp useful 0,25 bar)
Fixed point regulation: 10 kW by-pass pos. 0
Fixed point regulation: 12.5 kW by-pass pos. 5
Mixing valve load loss (fixed point regulation) Kv 3
Load loss with bypass open valve (fixed point regulation) Kvmax 4,8
Mixing unit head threading: G 1" M

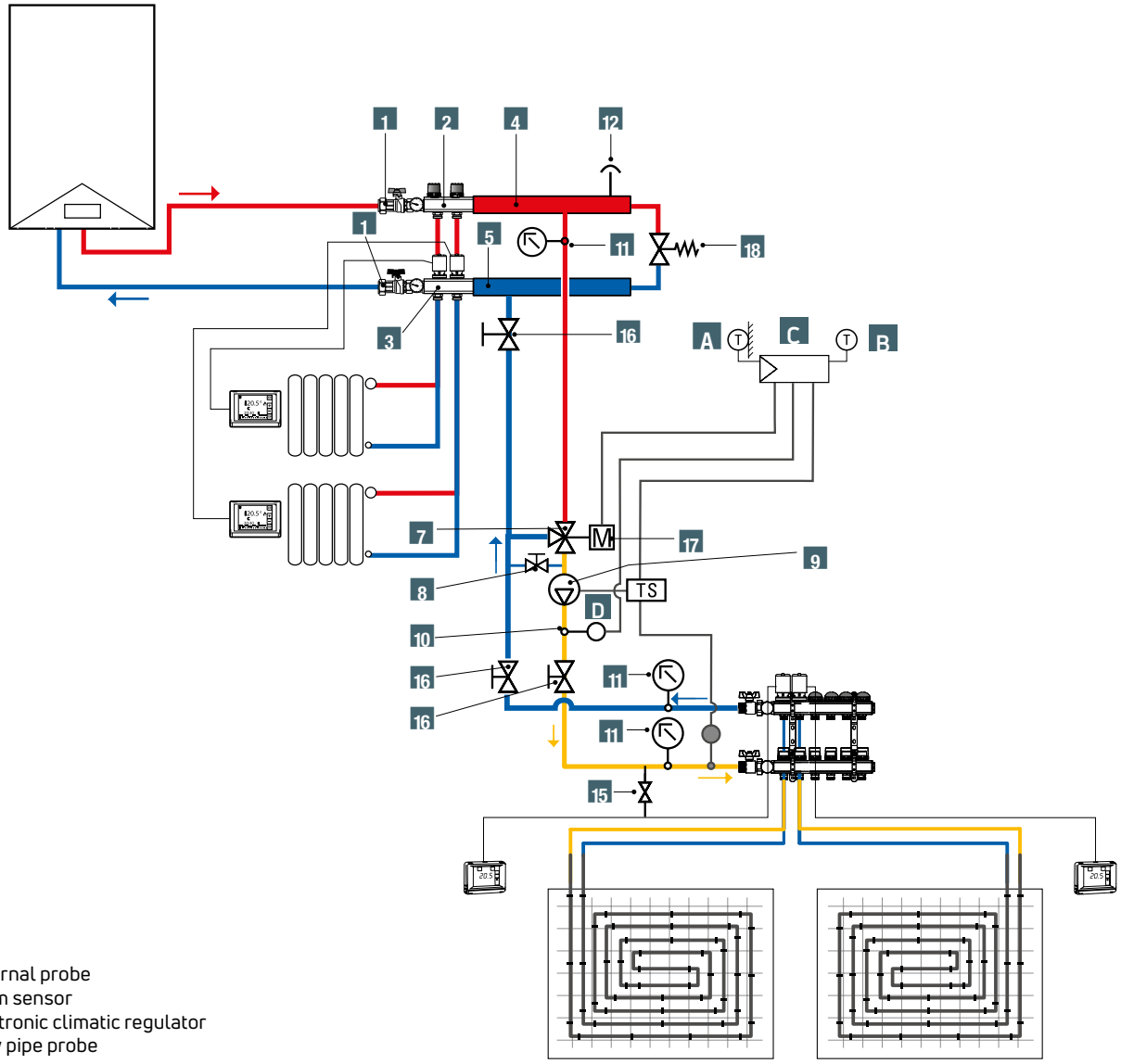
Wilo Para 25/7 circulator pump
Threads UNI EN ISO 228-1 (G 1/2)
Takeoff 130 mm.
Rotation speed: 2580÷4700 rpm
Maximum head: 7 m
Maximum flow: 3.5 m^3/h
Usable fluids:
Cooling and heating water
Water and glycol: max 1:1
Electrical connection: 1~230 V +10% / -15%, 50/60 Hz
Protection class: IPX 4D
Insulation class: F
Energy consumption: from 1~230 V: 8.2÷50 W
Current absorbed at 1~230 V: 0.07 ÷0.44 A
EEI ≤ 0,2

Circulatore compliance
ErP Directive
EN 61800-3
EN 61000-6-3 / EN 61000-6-4
EN 61000-6-2 / EN 61000-6-1
2014/35/UE (low voltage)
2014/30/UE (electromagnetic compatibility)

Hydraulic scheme - distribution system for low-temperature heating systems with auxiliary connections for high-temperature terminal. Fixed point adjustment.



Hydraulic scheme - distribution system for low-temperature heating systems with auxiliary connections for high-temperature terminal. Climatic regulation.



A external probe
B room sensor
C electronic climatic regulator
D flow pipe probe



Distribution modules for low-temperature heating systems with mixing valve, auxiliary connections 2 or 3 high temperature radiators, electronic circulation pumps.

Dimension	Box	Pcs. pack	Code	Price €
(2+2)H + 1L	L 500	1	28151754	1.089,00
(3+3)H + 1L	L 700	1	28151756	1.221,00
(2+2)H + 2L	L 850	1	28151758	1.927,00
(3+3)H + 2L	L 850	1	28151760	1.971,00

To be completed with:
- thermostatic head with immersion probe code 90046750
or
- electric servomotor/s 3 points code 28157212
or
- electric servomotor/s 0-10 V DC code 28157222
Combine with RCE or PCOC climatic regulator for heating and cooling.
Note: for correct built-in installation, it's reccomended that the module be installed maintaining a distance of 135 mm between the back of the cassette and the wall.

Modular Firstbox - Underboiler kit



Distribution module with auxiliary connections for high temperature radiators.

Dimension	Pcs. pack	Code	Price €
(2+2)H + 1L	1	28151860	334,40
(3+3)H + 1L	1	28151862	366,40
(2+2)H + 2L	1	28151864	507,70
(3+3)H + 2L	1	28151866	539,80

To complete with couple of blind plug code 90005070



Regulation group low temperature with electronic circulator pump

Dimension	Pcs. pack	Code	Price €
1L	1	28151734	486,00

To be completed with:
- thermostatic head with immersion probe code 90046750
or
- electric servomotor/s 3 points code 28157212
or
- electric servomotor/s 0-10 V DC code 28157222
Combine with RCE or PCOC climatic regulator for heating and cooling.

Accessories for Modular Firstbox



Right-angle valves kit

Dimension	Pcs. pack	Code	Price €
1"	1	01306190	91,41

Thread of body valve UNI EN 10226-1
Thread of pipe union UNI EN ISO 228-1

Technical data: see section "Accessories for Topway manifolds"

Dimensions: see section Technical Attachments



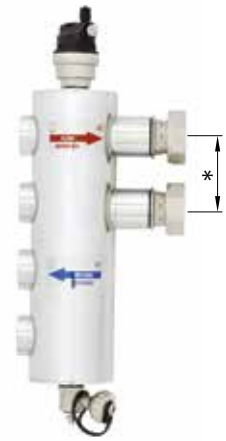
Open manifold 2+2

Dimension	Pcs. pack	Code	Price €
2"1/2	1	28151048	195,30

Complete with nr. 2 connection nipples 1" M - 1"1/4 F
(*) Takeoff for Modular Firstbox

Threads UNI EN ISO 228-1

Dimensions: see section Technical Attachments



Open manifold 4+2 for Modular Firstbox

Size	Pcs. pack	Code	Price €
2"1/2 - 4+2 for Modular Firstbox (**)	1	28151130	284,30

Complete with nr. 2 connection nipples 1" M - 1"1/4 F
(*) Takeoff for Modular Firstbox

Threads UNI EN ISO 228-1

(**) Item to be out of stock



Open manifold 4+2 for Modular Firstbox

NEW

Size	Pcs. pack	Code	Price €
2"1/2 - 4+2 for Modular Firstbox	1	28151140	298,40

Complete with nr. 2 connection nipples 1" M - 1"1/4 F.
UNI EN ISO 228-1 threads.
(*) Modular Firstbox centre distance.

Itam available subject to availability of code 28151130 in the catalogue Termoidraulica ed Ecoenergia 2023

Dimensions: see section Technical Attachments



Pair of connection pipe union for Modular Firstbox

Dimension	Pcs. pack	Code	Price €
M 1" - F 1"1/4	2	01301240	22,18

Threads UNI EN ISO 228-1

Accessories for Modular Firstbox



Nickel-plated blind plug

Dimension	Pcs. pack	Code	Price €
1" M	10	90004830	3,95

Threads UNI EN ISO 228-1



Terminal kit with by-pass for steel and brass manifolds

Maximum working temperature: 110 °C.
Maximum working pressure: 6 bar.

Dimension	Pcs. pack	Code	Price €
For manifolds size 1" (*)	1	01307010	224,70
For manifolds size 1"1/4	1	01307012	227,40

Thread UNI EN ISO 228-1

(*) Code 01307010 is equipped with a red O-ring on the upper union, to be combined with the Topway S steel manifolds; To use the item in combination with Topway brass manifolds, replace the red O-ring with the black one supplied in the package.

Dimensions and technical data: see section Technical Attachments



Insulating shell for Modular Firstbox distribution groups 1 zone of High

Dimension	Pcs. pack	Code	Price €
1H	1	01306566	34,92

In closed-cell crosslinked expanded polyethylene.
For installation of the insulating shell, it's necessary to first remove the hydraulic assembly from the box (thus do not make the hydraulic and electrical connections before having installed the insulating shell). If the shell is being installed on an assembly inside a Metalbox metal box, it's recommended that the assembly be installed maintaining a distance of 135 mm between the back of the box and the wall.
Not combinable with distribution groups with auxiliary connections for radiators high temperature



Insulating shell for Modular Firstbox distribution groups 1 zone of Low

Dimension	Pcs. pack	Code	Price €
1L	1	01306568	50,92

In closed-cell crosslinked expanded polyethylene.
For installation of the insulating shell, it's necessary to first remove the hydraulic assembly from the box (thus do not make the hydraulic and electrical connections before having installed the insulating shell). If the shell is being installed on an assembly inside a Metalbox metal box, it's recommended that the assembly be installed maintaining a distance of 135 mm between the back of the box and the wall.
Not combinable with distribution groups with auxiliary connections for radiators high temperature



Insulating shell for Modular Firstbox open manifold

Dimension	Pcs. pack	Code	Price €
	1	01306564	26,43

In closed-cell crosslinked expanded polyethylene.
For installation of the insulating shell, it's necessary to first remove the hydraulic assembly from the box (thus do not make the hydraulic and electrical connections before having installed the insulating shell). If the shell is being installed on an assembly inside a Metalbox metal box, it's recommended that the assembly be installed maintaining a distance of 135 mm between the back of the box and the wall.
Suitable for open manifolds code 28151048 and 28151046.

Accessories for regulation groups



Thermostatic head with immersion probe for thermostatic regulation group

Setting: 20 ÷ 65 °C - Size thread connection: M30x1,5

Dimension	Pcs. pack	Code	Price €
	1	90046750	38,34



Electric servomotor

3-Point Servomotor technical data

Type of operation: 3-position control - Nominal voltage: 230 Vac (± 15%) - Nominal frequency: 50/60 Hz - Maximum consumption: 6 VA - Permissible room temperature: 0÷55 °C - Maximum permissible fluid temperature: 110 °C - Nominal stroke: 2.5 mm (maximum 5.5 mm) - Stroke time (at 50/60 Hz, regarding a stroke of 2.5 mm): 150 s - Nominal force: 100 N - Degree of protection: IP40 according to EN 60529 - Insulation class: II according to EN 60730 - Threaded fitting size: M30x1.5

0-10 V Servomotor technical data

Type of operation: 0-10 V DC control - Nominal voltage: AC/DC 24 V (±20% / ±25%) - Nominal frequency: 50/60 Hz - Maximum consumption: 2 VA - Permissible room temperature: 1÷50 °C - Maximum permissible fluid - emperature: 110 °C - Nominal stroke: 2.5 mm (maximum 5.5 mm) - Stroke time (at 50/60 Hz, regarding a stroke of 2.5 mm): 150 s - Nominal force: 100 N - Degree of protection: IP40 according to EN 60529 - Insulation class: III according to EN 60730 - Threaded fitting size: M30x1.5

Dimension	Pcs. pack	Code	Price €
3 points	1	28157212	289,40
0-10 V DC	1	28157222	366,00

Complete with adapter for installation of the flow probe (for climatic temperature control) inside the regulation group.
To be combined with RCE or PCOC climatic regulators for heating and cooling.

Electronic system for electro-thermic actuators



Basic wiring box 6T

Electronic system for electrothermic heads, comprised af a basic junction box and additional extension;
Power supply 230 V or 24 V;
Direct power supply to the normally closed electrothermal heads (at the same power supply voltage as the junction box);
Direct connection to the environment thermostats (at the same power supply voltage as the junction box);
Connection of up to six electrothermal heads (configured at high or low temperature);
Connection of up to six environment thermostats;
Connection for low temperature circulating pump;
Connection for heat source activation;
Adjustable safety thermostat (30÷60 °C);
Safety thermostat contact;
Circulating pump anti-blocage function.

Dimension	Pcs. pack	Code	Price €
Basic wiring box 6T	1	28130616	271,00

Electric boxes



Electric box with safety thermostat for pump cable low temperature

Bulb lenght: 65 mm - Bulb diameter: 7 mm - Setting: 0÷60 °C ± 3
Contacts: 400 V 16(4) A - Differential: 4 °C

Dimension	Pcs. pack	Code	Price €
	1	28130632	70,34

Guidelines for choosing the climatic regulation components to be combined with the pre-assembled groups Modular Firstbox.

Components	Type of application			
	Heating / Cooling with 3-points servomotor		Heating / Cooling with 0-10 Vdc servomotor	
 28139070 - Section 5	1		1	
 PCOC - Section 5		1		1
 28157212 Section 4	1	1		
 28157222 Section 4			1	1
 28130632 - Section 4	1	1	1	1