

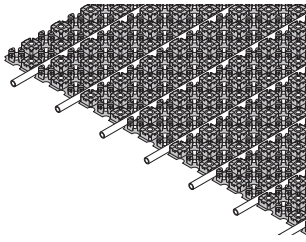
**Radiant heating & cooling,
plumbing and
local heat distribution**

Uponor

**Product Catalogue 03-2022
Indoor Climate**



Uponor Minitec



Uponor Minitec is the solution for underfloor heating on existing screed, timber or tiled floors. It has an installation height of only 15mm and consists of a self-adhesive foil element and PE-Xa pipe 9.9mm. Minitec

is optimised for near-surface heating in residential buildings.

Your benefits

- **Low height:** ideal for integration into renovations
- **Easy:** fast, efficient installation by one technician
- **Comfort:** short heat-up times, fast temperature control response
- **Energy saving:** low operating temperatures



Specification

- Minitec underfloor heating system for fixation on solid floors or specified insulation materials
- designed as sturdy pipe fixing system of minimum height, with integrated pipe laying channels for correct pipe laying distances
- for use with Uponor Minitec PE-Xa pipes 9.9 x 1.1 mm; allowing for straight and diagonal pipe laying
- EN 13501-1 fire classification: class E.
- standard flammability, building-material class B2, conforming to DIN 4102.
- Pipe spacing: Vz 5, 10, 15
- Net surface with overlapping nubs: 0,77m²

Application

- radiant underfloor heating and cooling
- very low construction height
- for use with qualified filler materials

Certification

- DIN CERTCO: 7F170-F

Uponor Comfort Pipe

Specification

- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- Application class 4 - Underfloor heating and low temperature radiators
- Fire classification E according to DIN EN 13501-1.

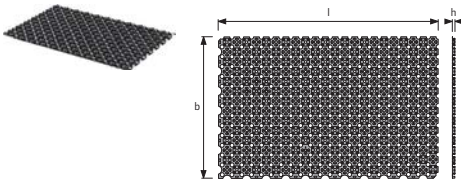
Application

- Underfloor heating and low temperature radiators
- Max design temperature: 90°C
- Malfunction temperature 100°C
- Design pressure 6 Bar at 70°C

Uponor Minitec

Uponor Minitec nubfoil self-adh

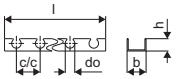
- Pipe fixation panel made of polystyrol, with overlap on both sides with triangular studs; perforated panel for installation between levelling compound and substructure; with self-adhesive back for proper fixture to screed and tiled floors.



| Item no. | Dimension | ND | l mm | b mm | h mm | A mm ² | colour | Area | Qty 2 | Qty 1 | UOM |
|----------------|----------------------------|---------------|---------|---------|---------|----------------------|---------------|-------|-------|-------|----------------|
| 1005261 | 15,4m ² 9,9x1,1 | 1100x700x12mm | 15 | 1120 | 720 | 12 | 0,77 RAL 9017 | 0,806 | 123,2 | 15,4 | m ² |

Uponor Fix clamp track

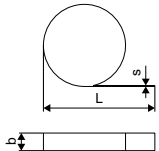
- clamp track for pipe 9.9mm
- c-c 20mm



| Item no. | Dimension | l mm | do mm | c/c1 mm | b mm | colour | Qty 2 | Qty 1 | UOM |
|----------------|---------------|---------|----------|------------|---------|---------|-------|-------|-----|
| 1005274 | 9,9mm c/c20mm | 2,5m | 2500 | 10 | 20 | 24 grey | 25 | 2,5 | m |

Uponor Minitec edging strip, self-adh.

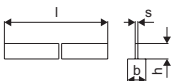
- Edging strip for Minitec system, conforming to DIN 18560, made of polyethylene with self-adhesive backing, self-adhesive strip on outer face provides tight seal between edging strip and insulation.



| Item no. | Dimension | colour | Qty 2 | Qty 1 | UOM |
|----------------|------------|--------|-------|-------|-----|
| 1005267 | 20m 80x8mm | blue | 200 | 20 | m |

Uponor Minitec expansion joint profile

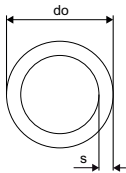
- Self-adhesive profile of polyethylene foam expansion strip and hard-PVC body, for separation of screed sections (e.g. in doorways), and to absorb expansion of screed. For expansion joints as per DIN 18560-2.



| Item no. | Dimension | l mm | s mm | b mm | h mm | colour | Qty 2 | Qty 1 | UOM |
|----------------|--------------|---------|---------|---------|---------|--------|-------|-------|-----|
| 1085980 | 0,9m 40x10mm | 900 | 10,0 | 50 | 40 | blue | 600 | 10 | pce |
| 1085981 | 1,3m 40x10mm | 1300 | 10 | 50 | 40 | blue | 600 | 10 | pce |

Uponor Minitec

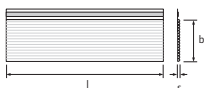
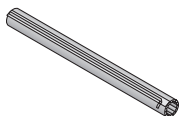
Uponor Minitec Comfort Pipe



| Item no. | Dimension | L m | do mm | do1 mm | s mm | p bar | colour | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|----------|-----------|---------|----------|---------|-------|-------|-----|
| 1063288 | 9,9x1,1 | 120m | 120 | 9,9 | 1,1 | 6 | natural | 1680 | 120 | m |
| 1063289 | 9,9x1,1 | 240m | 240 | 9,9 | 1,1 | 6 | natural | 2640 | 240 | m |
| 1063381 | 9,9x1,1 | 480m | 480 | 9,9 | 1,1 | 6 | natural | 2880 | 480 | m |

Uponor Minitec joint protection tube

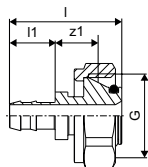
- Made of PE-LD, with slit opening, for protection of UFH pipes up to 9.9 mm in areas of expansion joints.



| Item no. | Dimension | s mm | l mm | b mm | Qty 2 | Qty 1 | UOM | |
|----------------|-----------|---------|---------|---------|-------|-------|-----|-----|
| 1005269 | 9,9mm | 300x2mm | 2,0 | 300 | 35 | 3600 | 30 | pce |

Uponor Vario adapter Minitec

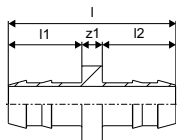
- Eurocone
- Brass



| Item no. | Dimension | l mm | l1 mm | G inch | z1 mm | Qty 2 | Qty 1 | UOM | |
|----------------|-----------|-----------------------|----------|-----------|---------------|-------|-------|-----|-----|
| 1005266 | 9,9x1,1 | G $\frac{3}{4}$ "Euro | 35 | 14 | $\frac{3}{4}$ | 14 | 100 | 10 | pce |

Uponor Minitec coupling, rings

- Q&E
- Brass
- With Q&E rings

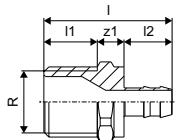


| Item no. | Dimension | l mm | l1 mm | l2 mm | z1 mm | p bar | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|----------|----------|----------|----------|-------|-------|-----|
| 1005264 | 9,9x1,1 | 33 | 14 | 14 | 4 | 6 | 100 | 10 | pce |

Uponor Minitec

Uponor Minitec adapter male thread, ring

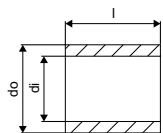
- Q&E
- Brass
- With Q&E ring



| Item no. | Dimension | l | l1 | l2 | R | z1 | p | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|----|----|------|----|-----|-------|-------|-----|
| | | mm | mm | mm | inch | mm | bar | | | |
| 1005265 | 9,9-R½"MT | 38 | 16 | 14 | ½ | 8 | 6 | 100 | 10 | pce |

Uponor Minitec ring natural

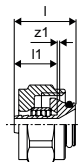
- PE-Xa



| Item no. | Dimension | l | di | do | p | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|------|------|-----|-------|-------|-----|
| | | mm | mm | mm | bar | | | |
| 1005263 | 9,9x1,1 | 15 | 10,3 | 13,9 | 6 | 1600 | 10 | pce |

Uponor Minitec compression adapter fem

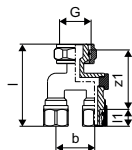
- ¾ Euro



| Item no. | Dimension | l | l1 | G | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-------------|----|----|------|----|-------|-------|-----|
| | | mm | mm | inch | mm | | | |
| 1013426 | 9,9-¾" Euro | 26 | 18 | ¾ | 1 | 120 | 12 | pce |

Uponor Minitec Y compression adapter

- ¾ Euro
- For 2 loops



| Item no. | Dimension | l | l1 | G | z1 | b | Qty 1 | UOM |
|----------------|---------------|----|----|------|----|----|-------|-----|
| | | mm | mm | inch | mm | mm | | |
| 1016692 | 2x9,9-¾" Euro | 64 | 13 | ¾ | 46 | 30 | 50 | pce |

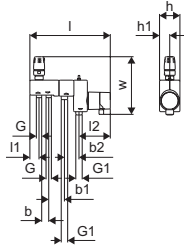
Uponor Minitec

Uponor Fluvia T pumpgroup Push-12 TH-G

- Pumpgroup with thermostat 12-28°C
- Secondary max. temperature limiter by 50°C
- Room sensor head with capillary sensor



| Item no. | Dimension | l | l1 | l2 | G | G1 | b | b1 | b2 | h | h1 | w | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-----|----|-----|------|------|----|----|----|----|----|-----|-------|-------|-----|
| | | mm | mm | mm | inch | inch | mm | mm | mm | mm | mm | mm | | | |
| 1095127 | | 332 | 38 | 129 | CU15 | ¾ | 40 | 65 | 65 | 84 | 42 | 240 | 60 | 1 | pce |

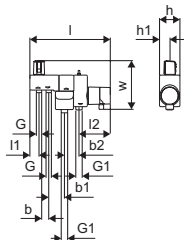


Uponor Fluvia T pumpgroup Push-12 CH-G

- With cartridge heater for UFH in summer mode
- Room temperature control by controller X-161
- Compatible to Uponor Smatrix Wave thermostats T-166, T-168 , T-169
- With safety sensor against overheating
- Secondary max. temperature limiter by 50°C



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1095131 | | 30 | 1 | pce |

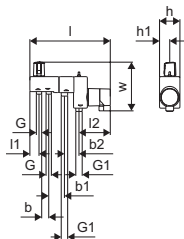


Uponor Fluvia T pumpgroup Push-12 AC-G

- Pumpgroup with actuator 230 V and cable room sensor
- Secondary max. temperature limiter by 50°C



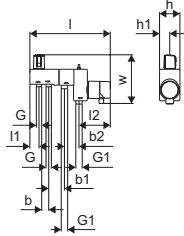
| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1095128 | | 60 | 1 | pce |



Uponor Minitec

Uponor Fluvia T pumpgroup Push-12 WL-G

- Pumpgroup with actuator 230 V, wireless thermostat and wireless receiver
- Secondary max. temperature limiter by 60°C



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1095130 | | 60 | 1 | pce |

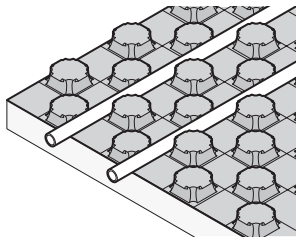
Uponor Vario fill and drain valve

- For Pumpgroup Push 12
- With rotatable hose connection



| Item no. | Dimension | AG inch | IG inch | Qty 2 | Qty 1 | UOM |
|----------------|-------------|------------|------------|-------|-------|-----|
| 1061802 | 3/4" - 3/4" | 3/4 | 3/4 | 10 | 1 | set |

Uponor Tecto



Uponor Tecto pipe positioning panels serve to install underfloor heating/cooling systems in residential and non-residential buildings. They are installed in the floor below the cement or anhydrite screed load

distribution layer, and are available in two thicknesses (ND 30-2 and ND 11) for various floor constructions and load-bearing requirements.



Specification

- Tecto nub panel underfloor heating system, consists of nub panels for fixation of pipe dimensions 14-17mm.
- for pipe spacing in cm: 10, 15, 20, 25, 30
- EN 13501-1 fire classification: class E
- standard flammability, building-material class B2, conforming to DIN 4102

Application

- radiant underfloor heating and cooling
- for use with cement- and anhydrite-based screeds

Certification

- DIN CERTCO: 7F010-F; 7F037-F

Uponor Comfort Pipe PLUS

Specification

- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- 5layer
- Outside white PE layer designed to protect against mechanical damages
- Application class 4/5 - Underfloor heating and low temperature radiators
- Fire classification E according to DIN EN 13501-1.

Application

- Underfloor heating and low temperature radiators
- Heating
- Max design temperature: 90°C
- Malfunction temperature 100°C
- Design pressure 6 Bar at 70°C

Your benefits

- Easy: optimally matched system components
- Choose between multilayer composite pipe or PE-Xa pipe
- Profit from long-term, proven Uponor quality

Uponor Tecto

Uponor Uni Pipe PLUS

Specification

- Oxygen diffusion resistant multi-layer composite pipe (PE-RT - adhesive – seamless aluminium/longitudinally welded aluminium - adhesive - PE-RT) produced using SACP and OWC-technology.
- Fire classification E according to EN 13501-1.
- With pipe end caps as hygienic seal according to EN 806.

Application

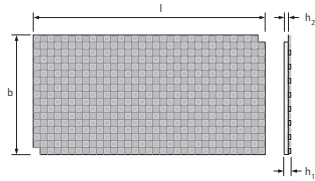
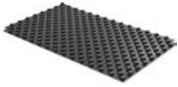
- Tested/Approved according to EN ISO 21003 Multilayer piping systems for hot and cold water installations inside buildings for application class 1,2,4,5/10bar
- Tap water: The permanent operating temperature ranges from 0°C to 70°C at a maximum permanent operating pressure of 10 bar. The short-term malfunction temperature is 95°C for a period of 100 hours in the operating life time.
- Heating: The permanent operating temperature ranges up to 80°C at a maximum permanent operating pressure of 10 bar. The short-term malfunction temperature is 100°C for a period of 100 hours in the operating life time.

Certification

- Approvals by local OM.
- E.g.
- DVGW
- AENOR

Uponor Tecto nub panel

- EPS (HBCD free) thermal insulation panel



| Item no. | Dimension | s | l | R-value | b | h2 | A | Area | Qty 2 | Qty 1 | UOM |
|----------|-----------------------------------|-------------------|------|---------------------|-----|------|----------------|------|-------|-------|----------------|
| | | MN/m ² | mm | m ² /K/W | mm | mm | m ² | | | | |
| 1005478 | EPS DES 30-2mm 14-17mm 1450x850mm | 20 | 1450 | 0,750 | 850 | 30-2 | 1,12 | 1,23 | 53,76 | 8,96 | m ² |
| 1005477 | EPS 11mm 14-17mm 1450x850mm | - | 1450 | 0,275 | 850 | 11 | 1,12 | 1,23 | 94,08 | 15,68 | m ² |

Uponor Tecto diagonal pipe fixation

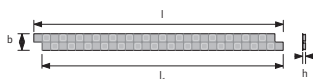
- single pipe fixation for use with Tecto panels
- consists 3 single fixations



| Item no. | Dimension | b | Qty 2 | Qty 1 | UOM |
|----------|-----------|----|-------|-------|-----|
| | | mm | | | |
| 1005482 | 45 75mm | 75 | 420 | 10 | pce |

Uponor Tecto double strip element, foil

- for jointing of butt-joint Tecto panels

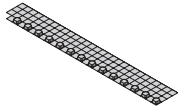


| Item no. | Dimension | l | l1 | b | h | Qty 2 | Qty 1 | UOM |
|----------|------------|------|------|-----|----|-------|-------|-----|
| | | mm | mm | mm | mm | | | |
| 1005484 | 1,4m 100mm | 1400 | 1350 | 100 | 22 | 742,5 | 33,75 | m |

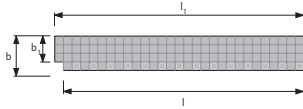
Uponor Tecto

Uponor Tecto expansion element foil

- expansion element to cover passages
- Tecto nub design

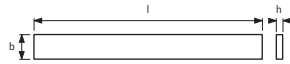
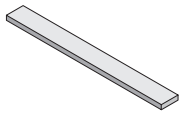


| Item no. | Dimension | l mm | l1 mm | b mm | b1 mm | A m ² | Qty 2 | Qty 1 | UOM |
|----------------|-------------|---------|----------|---------|----------|---------------------|-------|-------|-----|
| 1005481 | 1,45m 200mm | 1400 | 1450 | 200 | 150 | 0,21 | 504 | 28 | m |



Uponor Tecto expansion element

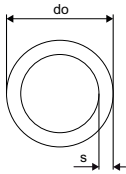
- Heat-/sound insulation for use with the expansion element foil in door or wall area.
- EPS (HBCD free) acc. to EN 13163



| Item no. | Dimension | ND | l mm | R-value m ² K/W | b mm | h mm | A m ² | Qty 2 | Qty 1 | UOM |
|----------------|---------------------------|------|---------|-------------------------------|---------|---------|---------------------|-------|-------|-----|
| 1005480 | EPS DES 30-2mm 150x1400mm | 30-2 | 1400 | 0,750 | 150 | 30-2 | 0,21 | 268,8 | 8,4 | m |
| 1005479 | EPS 11mm 150x1400mm | 11 | 1400 | 0,275 | 150 | 11 | 0,21 | 716,8 | 22,4 | m |

Uponor Comfort Pipe PLUS

- UFH pipe made of PEX-a
- Complying with ISO 22391 and fulfils oxygen diffusion resistance as per DIN 4726
- Application class 4
- Design pressure 6 Bar at 70°C

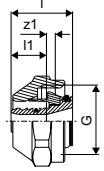


| Item no. | Dimension | L m | do mm | s mm | p bar | colour | Qty 2 | Qty 1 | UOM |
|----------------|-------------|--------|----------|---------|----------|--------|-------|-------|-----|
| 1062883 | 14x2,0 120m | 120 | 14 | 2 | 6 | white | 1320 | 120 | m |
| 1062884 | 14x2,0 240m | 240 | 14 | 2 | 6 | white | 1680 | 240 | m |
| 1062885 | 14x2,0 960m | 960 | 14 | 2 | 6 | white | 1920 | 960 | m |
| 1062044 | 16x2,0 120m | 120 | 16 | 2 | 6 | white | 1080 | 120 | m |
| 1062045 | 16x2,0 240m | 240 | 16 | 2 | 6 | white | 1440 | 240 | m |
| 1062046 | 16x2,0 640m | 640 | 16 | 2 | 6 | white | 1280 | 640 | m |
| 1034535 | 17x2,0 120m | 120 | 17 | 2 | 6 | white | 840 | 120 | m |
| 1009226 | 17x2,0 240m | 240 | 17 | 2 | 6 | white | 1200 | 240 | m |
| 1009227 | 17x2,0 640m | 640 | 17 | 2 | 6 | white | 1280 | 640 | m |

Uponor Tecto

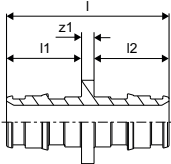
Uponor Vario compression adapter PEX

- Eurocone
- Brass



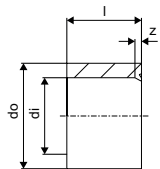
| Item no. | Dimension | l mm | l1 mm | G inch | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|-------------------------------------|---------|----------|---------------|----------|-------|-------|-----|
| 1065283 | 14x2,0-G $\frac{3}{4}$ "FT Euro | 23 | 13 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |
| 1065284 | 16x1,8/2,0-G $\frac{3}{4}$ "FT Euro | 23 | 13 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |
| 1065286 | 17x2,0-G $\frac{3}{4}$ "FT Euro | 23 | 13 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |

Uponor Q&E coupling, rings DR



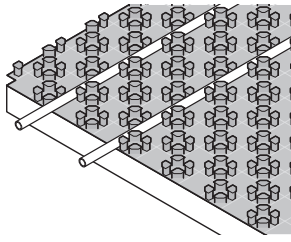
| Item no. | Dimension | l mm | l1 mm | l2 mm | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------------------|---------|----------|----------|----------|-------|-------|-----|
| 1058659 | 14-14 | 39 | 18 | 18 | 3 | 100 | 10 | pce |
| 1058660 | 16x1,8/2,0-16x1,8/2,0 | 39 | 18 | 18 | 3 | 100 | 10 | pce |
| 1058661 | 17-17 | 43 | 20 | 20 | 3 | 100 | 10 | pce |

Uponor Q&E ring natural, eval



| Item no. | Dimension | l mm | di mm | s mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|----------|---------|-------|-------|-----|
| 1058428 | 14 | 14 | 14,3 | 3,0 | 900 | 20 | pce |

Uponor Nubos



Uponor Nubos is specially designed for underfloor heating/cooling systems in residential and non-residential buildings. The panels are installed in the floor below the cement or anhydrite screed load

distribution layer. They are available in three different thicknesses (ND 30-2, ND 11 and nubfoil without insulation) for various floor constructions and load-bearing requirements.

Your benefits

- **Easy:** very few, optimally matched system components
- **Choose between multilayer composite pipe or PE-Xa pipe (DIM 14/16)**
- **Profit from long-term, proven Uponor quality**



Specification

- Nubos nub panel underfloor heating system, consists of nub panels for fixation of pipe dimensions 14-16mm.
- for pipe spacing in cm: 5,5, 11, 16,5, 22, 27,5 33
- EN 13501-1 fire classification: class E
- standard flammability, building-material class B2, conforming to DIN 4102

Application

- radiant underfloor heating and cooling
- for use with cement- and anhydrite-based screeds

Certification

- DIN CERTCO: 7F335-F, 7F336-F, 7F337-F, 7F338-F

Uponor Comfort Pipe PLUS

Specification

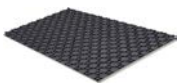
- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- 5layer
- Outside white PE layer designed to protect against mechanical damages
- Application class 4/5 - Underfloor heating and low temperature radiators
- Fire classification E according to DIN EN 13501-1.

Application

- Underfloor heating and low temperature radiators
- Heating
- Max design temperature: 90°C
- Malfunction temperature 100°C
- Design pressure 6 Bar at 70°C

Uponor Nubos panel

- EPS (HBCD free) thermal insulation panel



| Item no. | Dimension | s | l | R-value | b | h2 | A | colour | Area | Qty 2 | Qty 1 | UOM |
|----------|--------------------------------|-------------------|------|--------------------|-----|------|----------------|----------|-------|-------|-------|----------------|
| | | MN/m ² | mm | m ² K/W | mm | mm | m ² | | | | | |
| 1016699 | EPS 30-2 14-16mm 1447x900x48mm | 20 | 1447 | 0,750 | 900 | 30-2 | 1,25 | RAL 9017 | 1,302 | 60 | 10 | m ² |
| 1016700 | EPS 11 14-16mm 1447x900x29mm | - | 1447 | 0,275 | 900 | 11 | 1,25 | RAL 9017 | 1,302 | 100 | 10 | m ² |

Uponor Nubos

Uponor Nubos foil

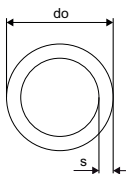
- Pipe fixation panel for installation on existing insulation



| Item no. | Dimension | s MN/m ² | l mm | b mm | h1 mm | A m ² | colour | Area | Qty 2 | Qty 1 | UOM |
|----------------|-----------|------------------------|---------|---------|----------|---------------------|----------|-------|-------|-------|----------------|
| 1016703 | 14-16mm | - | 1447 | 900 | 18 | 1,25 | RAL 9017 | 1,302 | 140 | 10 | m ² |
| 1061880 | 14-16mm | | 1447 | 900 | 18 | 1,25 | RAL 9017 | 1,302 | | 200 | m ² |

Uponor Comfort Pipe PLUS

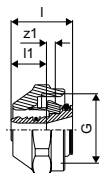
- UFH pipe made of PEX-a
- Complying with ISO 22391 and fulfils oxygen diffusion resistance as per DIN 4726
- Application class 4
- Design pressure 6 Bar at 70°C



| Item no. | Dimension | L m | do mm | s mm | p bar | colour | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|----------|---------|----------|---------|-------|-------|-----|
| 1062883 | 14x2,0 | 120m | 120 | 14 | 2 | 6 white | 1320 | 120 | m |
| 1062884 | 14x2,0 | 240m | 240 | 14 | 2 | 6 white | 1680 | 240 | m |
| 1062885 | 14x2,0 | 960m | 960 | 14 | 2 | 6 white | 1920 | 960 | m |
| 1062044 | 16x2,0 | 120m | 120 | 16 | 2 | 6 white | 1080 | 120 | m |
| 1062045 | 16x2,0 | 240m | 240 | 16 | 2 | 6 white | 1440 | 240 | m |
| 1062046 | 16x2,0 | 640m | 640 | 16 | 2 | 6 white | 1280 | 640 | m |

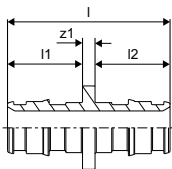
Uponor Vario compression adapter PEX

- Eurocone
- Brass



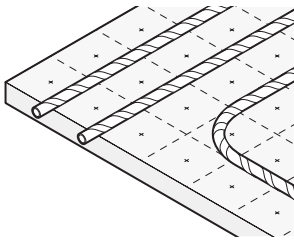
| Item no. | Dimension | l mm | l1 mm | G inch | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|---|---------|----------|-----------------------------|----------|-------|-------|-----|
| 1065283 | 14x2,0-G ³ / ₄ "FT Euro | 23 | 13 | ³ / ₄ | 3 | 25 | 1 | pce |
| 1065284 | 16x1,8/2,0-G ³ / ₄ "FT Euro | 23 | 13 | ³ / ₄ | 3 | 25 | 1 | pce |

Uponor Q&E coupling, rings DR



| Item no. | Dimension | l mm | l1 mm | l2 mm | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------------------|---------|----------|----------|----------|-------|-------|-----|
| 1058660 | 16x1,8/2,0-16x1,8/2,0 | 39 | 18 | 18 | 3 | 100 | 10 | pce |

Uponor Klett



Innovative pipe-laying system for underfloor heating and cooling. Pipes have hook fastening tape wound around them; the insulating panel is covered with matching laminated loop foil. When the pipes are pressed into the

correct position against the laminated panel, the hooks catch the foil loops and secure the pipe, guaranteeing maximum fixture.

Your benefits

- **Reliable and fast:** micro-interlocking fixation
- **Easy:** no special tools needed
- **Flexible:** repositioning of pipes at any time
- **Choose between multilayer composite pipe or PE-Xa pipe (DIM 14/16)**
- **Profit from long-term, proven Uponor quality**



Specification

- Klett underfloor heating panel system, consists of Klett-foil for hook- and loop fixation laminated onto EPS according to EN 13163 and DIN 4108-10.
- based on hook- and loop fixation of Klett-pipes to insulation panels
- EN 13501-1 fire classification: class E
- standard flammability, building-material class B2, conforming to DIN 4102
- with self-adhesive tape at long side
- foil on the panel is printed with 100x100mm grid pattern

Application

- radiant underfloor heating and cooling
- for use with cement- and anhydrite-based screeds

Certification

- DIN CERTCO: 3V372 PE-Xa; 7F235-F; 7F236-F; 7F342-F

Uponor Klett MLCP RED

Specification

- Diffusion-tight multi layer composite pipe (PE-RT - adhesive agent - longitudinally welded aluminium - adhesive agent - PE-RT)

Application

- for radiant heating / cooling applications
- Normally inflammable, materials classification B2 according to DIN 4102
- Max. continuous operation pressure: 4 bar at continuous operating temperature 60°C.

Uponor Klett

Uponor Klett Comfort Pipe PLUS

Specification

- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- 5layer
- Outside white PE layer designed to protect against mechanical damages
- Application class 4 - Underfloor heating and low temperature radiators
- Fire classification E according to DIN EN 13501-1.

Application

- Underfloor heating and low temperature radiators
- Heating
- Max design temperature: 90°C
- Malfunction temperature 100°C
- Design pressure 6 Bar at 70°C

Uponor Klett panel roll extra

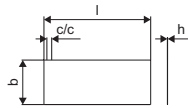
- thermal insulation panel, consists of Klett-foil for hook- and loop fixation laminated onto EPS (HBCD free) according to EN 13163 and DIN 4108-10.
- with self-adhesive tape at long side
- panel roll
- with step-sound reduction



| Item no. | Dimension | s MN/m ³ | ND | R-value A m ² K/W | m ² | Qty 2 | Qty 1 | UOM |
|----------------|----------------------|------------------------|------|------------------------------------|----------------|-------|-------|----------------|
| 1063402 | EPS DES 25-2mm 10x1m | 30 | 25-2 | 0,600 | 10 | 80 | 10 | m ² |
| 1063323 | EPS DES 30-3mm 10x1m | 20 | 30-3 | 0,65 | 10 | 80 | 10 | m ² |

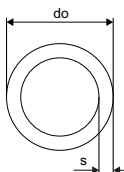
Uponor Klett Twinboard

- underfloor fixation panel 2.400 x 1.000 x 3mm, folded, consists of loop layer, laminated onto plastic 3-layer structured-core panel
- fire classification acc. DIN EN 13501-1: class E
- for live loads up to 5kN/m² in application areas acc. DIN EN 1991-1-1:2010-12 table 6.1: A1-A3; B1-B3, C1-C5, D1-D2 and T1-T2
- tested and evaluated by expertise of KIWA TBU for lifetime of 50 years



| Item no. | Dimension | l mm | c/c mm | b mm | h mm | R-value m ² K/W | Qty 2 | Qty 1 | UOM |
|----------------|---------------|---------|-----------|---------|---------|-------------------------------|-------|-------|----------------|
| 1086854 | 2400x1000x3mm | 2400 | 100 | 1000 | 3 | 0,014 | 360 | 24 | m ² |

Uponor Klett Comfort Pipe PLUS

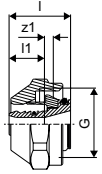


| Item no. | Dimension | L m | do mm | s mm | p bar | colour | Qty 2 | Qty 1 | UOM |
|-----------------|-------------|--------|----------|---------|----------|--------|-------|-------|-----|
| 1087302* | 16x2,0 240m | 240 | 16 | 2 | 6 | white | 1200 | 240 | m |
| 1087303* | 16x2,0 640m | 640 | 16 | 2 | 6 | white | 1280 | 640 | m |

Uponor Klett

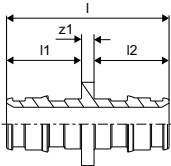
Uponor Vario compression adapter PEX

- Eurocone
- Brass



| Item no. | Dimension | l mm | l1 mm | G inch | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|-------------------------------------|---------|----------|---------------|----------|-------|-------|-----|
| 1065284 | 16x1,8/2,0-G $\frac{3}{4}$ "FT Euro | 23 | 13 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |

Uponor Q&E coupling, rings DR



| Item no. | Dimension | l mm | l1 mm | l2 mm | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------------------|---------|----------|----------|----------|-------|-------|-----|
| 1058660 | 16x1,8/2,0-16x1,8/2,0 | 39 | 18 | 18 | 3 | 100 | 10 | pce |

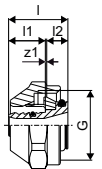
Uponor Klett MLCP red pipe



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-------------|-------|-------|-----|
| 1096014 | 16X2,0 240M | 1920 | 240 | m |
| 1096015 | 16X2,0 480M | 2400 | 480 | m |

Uponor Uni-X compression adapter MLC

- Compression adapter, union nut and inner sleeve
- made of brass
- For connection of Uponor Uni Pipe PLUS and MLC pipes to manifolds (eg. Uponor manifold H).
- Female thread $\frac{3}{4}$ " eurocone according to EN ISO 228-1



| Item no. | Dimension | l mm | l1 mm | G inch | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|----------------------------|---------|----------|---------------|----------|-------|-------|-----|
| 1058090 | 16- $\frac{3}{4}$ "FT Euro | 23 | 13 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |

Uponor Klett

Uponor Multi tape roll

- self-adhesive tape for fixation of Tacker and Klett panels
- to result in screed-tightness acc DIN 18560



| Item no. | Dimension | L m | b mm | Qty 2 | Qty 1 | UOM |
|---------------|-----------|--------|---------|-------|-------|-----|
| 100012 | 66m 50mm | 66 | 50 | 36 | 1 | pce |

Uponor Multi UFHC roller manual

- or sticking down of insulation sections and edges, takes a roll of tape.



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1000142 | | 20 | 1 | pce |

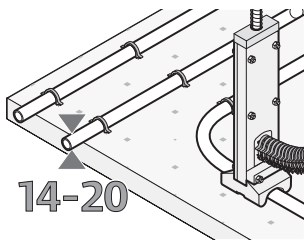
Uponor Multi pipe support

- multifunctional tool for fixation and use inside building for easy uncoiling and guidance of Uponor underfloor heating pipes



| Item no. | Dimension | Qty 1 | UOM |
|----------------|-----------|-------|-----|
| 1088066 | | 1 | pce |

Uponor Tacker



All components of the Uponor Tacker system are designed to perfectly match each other. The panels with thermal and step sound insulation are equipped with tear-proof surface and printed installation grid. They

enable easy installation of system pipes. All components are designed to ensure optimum safety and reliable operation.

Your benefits

- Flexible: composite panels or rolls, different thermal & step sound insulation layers
- Suitable for all types of screeds
- Fast to install: integrated insulation layer and cover
- Universal pipe clips for pipe thickness 14 – 20mm
- Easy installation: ergonomically designed stapler



Specification

- Tacker underfloor heating panel system, consists of tear-resistant fabric foil laminated onto EPS according to EN 13163 and DIN 4108-10.
- EN 13501-1 fire classification: class E
- standard flammability, building-material class B2, conforming to DIN 4102
- foil on the panel is printed with 100x100mm grid pattern

Application

- radiant underfloor heating and cooling
- for use with cement- and anhydrite-based screeds

Certification

- DIN CERTCO: 7F077-F, 7F185-F, 7F216-F, 7F278-F

Uponor Comfort Pipe PLUS

Specification

- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- 5layer
- Outside white PE layer designed to protect against mechanical damages
- Application class 4/5 - Underfloor heating and low temperature radiators
- Fire classification E according to DIN EN 13501-1.

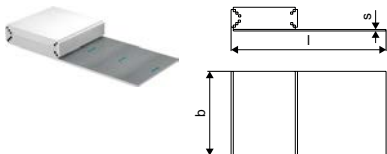
Application

- Underfloor heating and low temperature radiators
- Heating
- Max design temperature: 90°C
- Malfunction temperature 100°C
- Design pressure 6 Bar at 70°C

Uponor Tacker

Uponor Tacker roll

- EPS thermal insulation panel roll
- Grid marking 100x100mm on textile



| Item no. | Dimension | l mm | b mm | b1 mm | b2 mm | h mm | s mm | R-value MN/m ³ | colour m ² K/W | Qty 2 | Qty 1 | UOM |
|----------|----------------------|---------|---------|----------|----------|---------|---------|------------------------------|------------------------------|-------|-------|----------------|
| 1090921 | EPS DES 20-2mm 10x1m | 10000 | 1030 | 1000 | 1000 | 20 | 30 | 0,500 | white | 100 | 10 | m ² |
| 1090924 | EPS DES 30-2mm 10x1m | 10000 | 1030 | 1000 | 1000 | 30 | 20 | 0,750 | white | 80 | 10 | m ² |
| 1090925 | EPS DES 30-3mm 10x1m | 10000 | 1030 | 1000 | 1000 | 30 | 20 | 0,650 | white | 80 | 10 | m ² |
| 1090926 | EPS DES 35-3mm 10x1m | 10000 | 1030 | 1000 | 1000 | 35 | 15 | 0,750 | white | 70 | 10 | m ² |

Uponor Multi tape roll

- self-adhesive tape for fixation of Tacker and Klett panels
- to result in screed-tightness acc DIN 18560



| Item no. | Dimension | L m | b mm | Qty 2 | Qty 1 | UOM |
|----------|-----------|--------|---------|-------|-------|-----|
| 1000012 | 66m 50mm | 66 | 50 | 36 | 1 | pce |

Uponor Multi UFHC roller manual

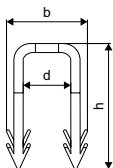
- or sticking down of insulation sections and edges, takes a roll of tape.



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------|-----------|-------|-------|-----|
| 1000142 | | 20 | 1 | pce |

Uponor Fix clamp track fixer

- clamp track fixation clip
- for pipes 14-20mm

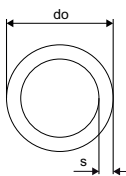


| Item no. | Dimension | d _i mm | b mm | h mm | Qty 2 | Qty 1 | UOM |
|----------|-----------|----------------------|---------|---------|-------|-------|-----|
| 1086533 | | 15,8 | 27 | 42 | 5000 | 500 | pce |

Uponor Tacker

Uponor Comfort Pipe PLUS

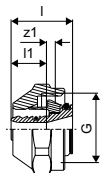
- UFH pipe made of PEX-a
- Complying with ISO 22391 and fulfils oxygen diffusion resistance as per DIN 4726
- Application class 4
- Design pressure 6 Bar at 70°C



| Item no. | Dimension | L m | do mm | s mm | p bar | colour | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|----------|---------|----------|---------|-------|-------|-----|
| 1062883 | 14x2,0 | 120m | 120 | 14 | 2 | 6 white | 1320 | 120 | m |
| 1062884 | 14x2,0 | 240m | 240 | 14 | 2 | 6 white | 1680 | 240 | m |
| 1062885 | 14x2,0 | 960m | 960 | 14 | 2 | 6 white | 1920 | 960 | m |
| 1062044 | 16x2,0 | 120m | 120 | 16 | 2 | 6 white | 1080 | 120 | m |
| 1062045 | 16x2,0 | 240m | 240 | 16 | 2 | 6 white | 1440 | 240 | m |
| 1062046 | 16x2,0 | 640m | 640 | 16 | 2 | 6 white | 1280 | 640 | m |
| 1034535 | 17x2,0 | 120m | 120 | 17 | 2 | 6 white | 840 | 120 | m |
| 1009226 | 17x2,0 | 240m | 240 | 17 | 2 | 6 white | 1200 | 240 | m |
| 1009227 | 17x2,0 | 640m | 640 | 17 | 2 | 6 white | 1280 | 640 | m |
| 1009228 | 20x2,0 | 120m | 120 | 20 | 2 | 6 white | 840 | 120 | m |
| 1009230 | 20x2,0 | 240m | 240 | 20 | 2 | 6 white | 960 | 240 | m |
| 1009231 | 20x2,0 | 480m | 480 | 20 | 2 | 6 white | 960 | 480 | m |

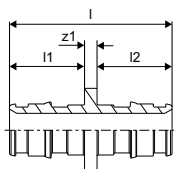
Uponor Vario compression adapter PEX

- Eurocone
- Brass



| Item no. | Dimension | l mm | l1 mm | G inch | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|-------------------------------------|---------|----------|---------------|----------|-------|-------|-----|
| 1065283 | 14x2,0-G $\frac{3}{4}$ "FT Euro | 23 | 13 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |
| 1065284 | 16x1,8/2,0-G $\frac{3}{4}$ "FT Euro | 23 | 13 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |
| 1065286 | 17x2,0-G $\frac{3}{4}$ "FT Euro | 23 | 13 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |
| 1065290 | 20x1,9/2,0-G $\frac{3}{4}$ "FT Euro | 24 | 14 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |

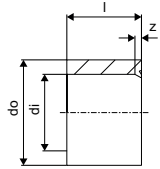
Uponor Q&E coupling, rings DR



| Item no. | Dimension | l mm | l1 mm | l2 mm | z1 mm | Qty 2 | Qty 1 | UOM |
|-----------------|-----------------------|---------|----------|----------|----------|-------|-------|-----|
| 1058659 | 14-14 | 39 | 18 | 18 | 3 | 100 | 10 | pce |
| 1058660* | 16x1,8/2,0-16x1,8/2,0 | 39 | 18 | 18 | 3 | 100 | 10 | pce |
| 1058661 | 17-17 | 43 | 20 | 20 | 3 | 100 | 10 | pce |
| 1058668 | 20-20 | 47 | 22 | 22 | 3 | 80 | 10 | pce |

Uponor Tacker

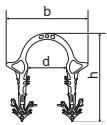
Uponor Q&E ring natural, eval



| Item no. | Dimension | l mm | di mm | s mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|----------|---------|-------|-------|-----|
| 1058428 | 14 | 14 | 14,3 | 3,0 | 900 | 20 | pce |

Uponor Tacker pipe clip standard

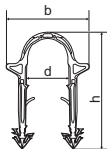
- Tacker fixation clips
- for use with Uponor Tacker clip stapler



| Item no. | Dimension | di mm | b mm | h mm | Qty 2 | Qty 1 | UOM |
|----------------|----------------|----------|---------|---------|-------|-------|-----|
| 1086529 | 14-20mm h=40mm | 19 | 38 | 40 | 75000 | 1000 | pce |

Uponor Tacker pipe clip long

- Tacker fixation clips
- for use with Uponor Tacker clip stapler

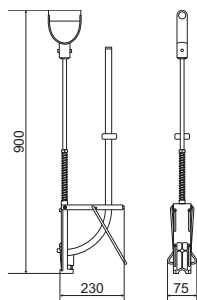


| Item no. | Dimension | do mm | b mm | h mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----------|---------|---------|-------|-------|-----|
| 1086530 | 55mm | 18,4 | 38 | 55 | 4800 | 300 | pce |

Uponor Tacker

Uponor Tacker stapling tool

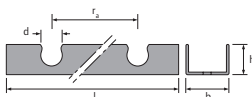
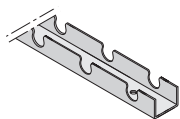
- full metal
- lightweight
- for max 125 clips



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1119039 | 14-20mm | 50 | 1 | pce |

Uponor Fix clamp track U-profile

- clamp track for pipes 14mm
- c-c 50mm



| Item no. | Dimension | d | l | b | h | c/c | colour | Qty 1 | UOM |
|----------------|-------------------|----|------|----|----|-----|--------|-------|-----|
| | | mm | mm | mm | mm | mm | | | |
| 1005498 | 14mm c/c50mm 2,5m | 14 | 2500 | 38 | 17 | 50 | grey | 25 | m |

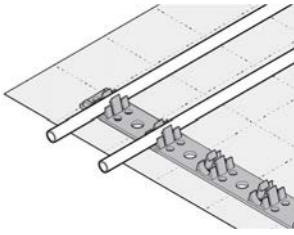
Uponor Fix clamp track with glue

- clamp track for pipes 14-20mm
- c-c 50mm
- with self-adhesive fixation



| Item no. | Dimension | l | b | h | c/c | Qty 2 | Qty 1 | UOM |
|----------------|--------------------|------|----|----|-----|-------|-------|-----|
| | | mm | mm | mm | mm | | | |
| 1000018 | 14-20mm c/c50mm 1m | 1000 | 50 | 27 | 50 | 600 | 100 | m |

Uponor Fix



Uponor radiant heating and cooling system for ceiling, wall and underfloor installation. Installation is possible with additional thermal and impact noise insulation. Clamp tracks can be fixed by tape or integrated pins to enable easy installation of system pipes.

Your benefits

- **Universal:** one system for ceiling, wall and underfloor heating
- **Flexible:** available for pipe dimensions 9.9, 12, 14, 16, 17, 20mm
- **Comfort:** short heat-up times, quickly adjustable
- **Energy saving:** low operating temperatures



Specification

- Fix system for pipe fixations in walls, ceiling and underfloor installations, consists of clamp tracks for pipe fixation.

Application

- Radiant underfloor heating and cooling
- Radiant wall and ceiling heating and cooling
- For use with plaster, cement- and anhydrite-based screeds

Certification

- DIN CERTCO: 7F277-W, 7F347-DW

Uponor Fix clamp track with glue

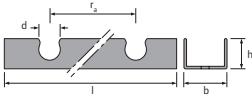
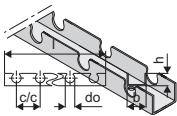
- clamp track for pipes 14-20mm
- c-c 50mm
- with self-adhesive fixation



| Item no. | Dimension | l mm | b mm | h mm | c/c mm | Qty 2 | Qty 1 | UOM | |
|-----------------|-----------------|---------|---------|---------|-----------|-------|-------|-----|---|
| 1000018* | 14-20mm c/c50mm | 1m | 1000 | 50 | 27 | 50 | 600 | 100 | m |

Uponor Fix clamp track U-profile

- clamp track for pipes 14mm
- c-c 50mm



| Item no. | Dimension | d mm | l mm | b mm | h mm | c/c mm | colour | Qty 1 | UOM | |
|----------------|--------------|---------|---------|---------|---------|-----------|--------|-------|-----|---|
| 1005498 | 14mm c/c50mm | 2,5m | 14 | 2500 | 38 | 17 | 50 | grey | 25 | m |

Uponor Fix clamp track

- clamp track for pipe 9.9mm
- c-c 20mm

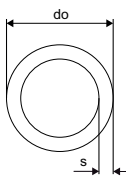


| Item no. | Dimension | l mm | do mm | c/c1 mm | b mm | colour | Qty 2 | Qty 1 | UOM | |
|----------------|---------------|---------|----------|------------|---------|--------|-------|-------|-----|---|
| 1005274 | 9,9mm c/c20mm | 2,5m | 2500 | 10 | 20 | 24 | grey | 25 | 2,5 | m |

Uponor Fix

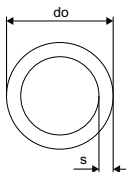
Uponor Comfort Pipe PLUS

- UFH pipe made of PEX-a
- Complying with ISO 22391 and fulfils oxygen diffusion resistance as per DIN 4726
- Application class 4
- Design pressure 6 Bar at 70°C



| Item no. | Dimension | L m | do mm | s mm | p mm | colour | Qty 2 | Qty 1 | UOM | |
|-----------------|-----------|--------|----------|---------|---------|--------|-------|-------|-----|---|
| 1062883 | 14x2,0 | 120m | 120 | 14 | 2 | 6 | white | 1320 | 120 | m |
| 1062884 | 14x2,0 | 240m | 240 | 14 | 2 | 6 | white | 1680 | 240 | m |
| 1062885 | 14x2,0 | 960m | 960 | 14 | 2 | 6 | white | 1920 | 960 | m |
| 1062045* | 16x2,0 | 240m | 240 | 16 | 2 | 6 | white | 1440 | 240 | m |
| 1062046* | 16x2,0 | 640m | 640 | 16 | 2 | 6 | white | 1280 | 640 | m |
| 1034535 | 17x2,0 | 120m | 120 | 17 | 2 | 6 | white | 840 | 120 | m |
| 1009226 | 17x2,0 | 240m | 240 | 17 | 2 | 6 | white | 1200 | 240 | m |
| 1009227 | 17x2,0 | 640m | 640 | 17 | 2 | 6 | white | 1280 | 640 | m |
| 1009228* | 20x2,0 | 120m | 120 | 20 | 2 | 6 | white | 840 | 120 | m |
| 1009230 | 20x2,0 | 240m | 240 | 20 | 2 | 6 | white | 960 | 240 | m |
| 1009231 | 20x2,0 | 480m | 480 | 20 | 2 | 6 | white | 960 | 480 | m |

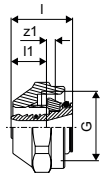
Uponor Minitec Comfort Pipe



| Item no. | Dimension | L m | do mm | s mm | p mm | colour | Qty 2 | Qty 1 | UOM | |
|----------------|-----------|--------|----------|---------|---------|--------|---------|-------|-----|---|
| 1063288 | 9,9x1,1 | 120m | 120 | 9,9 | 1,1 | 6 | natural | 1680 | 120 | m |
| 1063289 | 9,9x1,1 | 240m | 240 | 9,9 | 1,1 | 6 | natural | 2640 | 240 | m |
| 1063381 | 9,9x1,1 | 480m | 480 | 9,9 | 1,1 | 6 | natural | 2880 | 480 | m |

Uponor Vario compression adapter PEX

- Eurocone
- Brass



| Item no. | Dimension | l mm | l1 mm | G inch | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|-------------------------------------|---------|----------|---------------|----------|-------|-------|-----|
| 1065283 | 14x2,0-G $\frac{3}{4}$ "FT Euro | 23 | 13 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |
| 1065284 | 16x1,8/2,0-G $\frac{3}{4}$ "FT Euro | 23 | 13 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |
| 1065286 | 17x2,0-G $\frac{3}{4}$ "FT Euro | 23 | 13 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |
| 1065290 | 20x1,9/2,0-G $\frac{3}{4}$ "FT Euro | 24 | 14 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |

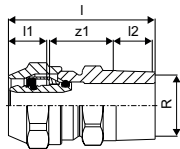
Uponor Fix

Uponor Fit compression adapter male PEX

- Brass



| Item no. | Dimension | l | l1 | l2 | R | z1 | Qty 2 | Qty 1 | UOM |
|----------------|--------------|----|----|----|------|----|-------|-------|-----|
| | | mm | mm | mm | inch | mm | | | |
| 1065294 | 14x2,0-R½"MT | 51 | 19 | 14 | ½ | 18 | 25 | 1 | pce |

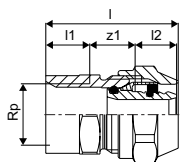


Uponor Fit compression adapter female PEX

- Brass



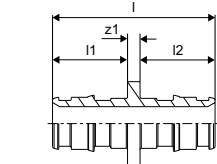
| Item no. | Dimension | l | l1 | l2 | Rp | z1 | Qty 2 | Qty 1 | UOM |
|----------------|---------------|----|----|----|------|----|-------|-------|-----|
| | | mm | mm | mm | inch | mm | | | |
| 1065295 | 14x2,0-Rp½"FT | 43 | 15 | 13 | ½ | 13 | 25 | 1 | pce |



Uponor Q&E coupling, rings DR



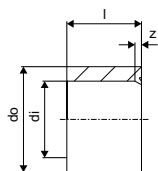
| Item no. | Dimension | l | l1 | l2 | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-----------------------|----|----|----|----|-------|-------|-----|
| | | mm | mm | mm | mm | | | |
| 1058659 | 14-14 | 39 | 18 | 18 | 3 | 100 | 10 | pce |
| 1058660 | 16x1,8/2,0-16x1,8/2,0 | 39 | 18 | 18 | 3 | 100 | 10 | pce |
| 1058668 | 20-20 | 47 | 22 | 22 | 3 | 80 | 10 | pce |



Uponor Q&E ring natural, eval



| Item no. | Dimension | l | di | s | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|------|-----|-------|-------|-----|
| | | mm | mm | mm | | | |
| 1058428 | 14 | 14 | 14,3 | 3,0 | 900 | 20 | pce |



Uponor Fix

Uponor MLC

Specification

- Oxygen diffusion resistant multi-layer composite pipe (PE-RT - adhesive - longitudinally welded aluminium - adhesive - PE-RT)
- Fire classification E according to EN 13501-1.
- With pipe end caps as hygienic seal according to EN 806.

Application

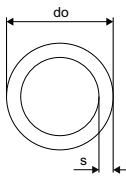
- Tap water: The permanent operating temperature ranges from 0°C to 70°C at a maximum permanent operating pressure of 10 bar. The short-term malfunction temperature is 95°C for a period of 100 hours in the operating life time.
- Heating: The permanent operating temperature ranges up to 80°C at a maximum permanent operating pressure of 10 bar. The short-term malfunction temperature is 100°C for a period of 100 hours in the operating life time.

Certification

- Approvals by local OM.
- E.g.
- DVGW
- AENOR

Uponor MLC pipe white

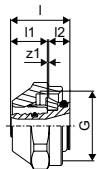
- coil



| Item no. | Dimension | L m | do mm | s mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|----------|---------|-------|-------|-------|
| 1013366 | 14x2,0 | 200m | 200 | 14 | 2 | 2600 | 200 m |

Uponor Uni-X compression adapter MLC

- Compression adapter, union nut and inner sleeve
- made of brass
- For connection of Uponor Uni Pipe PLUS and MLC pipes to manifolds (eg. Uponor manifold H).
- Female thread 3/4" eurocone according to EN ISO 228-1



| Item no. | Dimension | l mm | l1 mm | G inch | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|----------------|---------|----------|-----------|----------|-------|-------|-----|
| 1058089 | 14-3/4"FT Euro | 23 | 13 | 3/4 | 3 | 25 | 1 | pce |

Uponor Fix

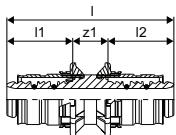
Uponor S-Press coupling

Made of tin-plated brass

Contoured Aluminium-sleeve

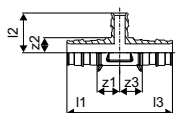
Fast 3-step installation (press without bevel)

Colour code



| Item no. | Dimension | l | l1 | l2 | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|----|----|----|-------|-------|-----|
| | | mm | mm | mm | mm | | | |
| 1015154 | 14-14 | 54 | 21 | 21 | 11 | 80 | 10 | pce |

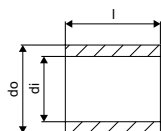
Uponor Q&E tee



| Item no. | Dimension | l | l1 | l2 | z1 | z2 | z3 | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|----|----|----|----|----|----|-------|-------|-----|
| | | mm | mm | mm | mm | mm | mm | | | |
| 1063932* | 20-14-20 | 39 | 29 | 39 | 17 | 11 | 17 | 6 | 2 | pce |

Uponor Minitec ring natural

- PE-Xa

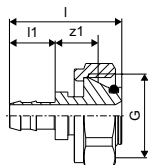


| Item no. | Dimension | l | di | do | p | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|------|------|-----|-------|-------|-----|
| | | mm | mm | mm | bar | | | |
| 1005263 | 9,9x1,1 | 15 | 10,3 | 13,9 | 6 | 1600 | 10 | pce |

Uponor Vario adapter Minitec

- Eurocone

- Brass

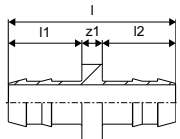


| Item no. | Dimension | l | l1 | G | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-------------------------------|----|----|---------------|----|-------|-------|-----|
| | | mm | mm | inch | mm | | | |
| 1005266 | 9,9x1,1-G $\frac{3}{4}$ "Euro | 35 | 14 | $\frac{3}{4}$ | 14 | 100 | 10 | pce |

Uponor Fix

Uponor Minitec coupling, rings

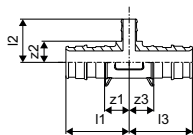
- Q&E
- Brass
- With Q&E rings



| Item no. | Dimension | l | l1 | l2 | z1 | p | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|----|----|----|--------|-------|-------|-----|
| | | mm | mm | mm | mm | mm bar | | | |
| 1005264 | 9,9x1,1 | 33 | 14 | 14 | 4 | 6 | 100 | 10 | pce |

Uponor Minitec tee reduced, rings Q&E

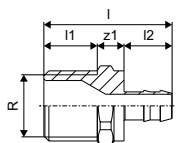
- Q&E
- Brass
- With Q&E rings



| Item no. | Dimension | l1 | l2 | l3 | z1 | z2 | z3 | Qty 2 | Qty 1 | UOM |
|----------------|---------------------|----|----|----|----|----|----|-------|-------|-----|
| | | mm | mm | mm | mm | mm | mm | | | |
| 1020524 | 20xMinitec9,9xQ&E20 | 36 | 25 | 36 | 14 | 12 | 14 | 75 | 5 | pce |

Uponor Minitec adapter male thread, ring

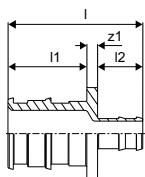
- Q&E
- Brass
- With Q&E ring



| Item no. | Dimension | l | l1 | l2 | R | z1 | p | Qty 2 | Qty 1 | UOM |
|----------------|-------------|----|----|----|------|----|--------|-------|-------|-----|
| | | mm | mm | mm | inch | mm | mm bar | | | |
| 1005265 | 9,9-R1/2"MT | 38 | 16 | 14 | 1/2 | 8 | 6 | 100 | 10 | pce |

Uponor Minitec reducer, rings Q&E

- Q&E
- Brass
- With Q&E rings

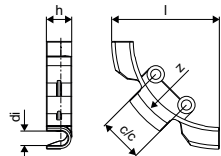


| Item no. | Dimension | l | l1 | l2 | z1 | Qty 2 | Qty 1 | UOM |
|----------------|---------------|----|----|----|----|-------|-------|-----|
| | | mm | mm | mm | mm | | | |
| 1020518 | 20xMinitec9,9 | 38 | 22 | 13 | 3 | 150 | 5 | pce |

Uponor Fix

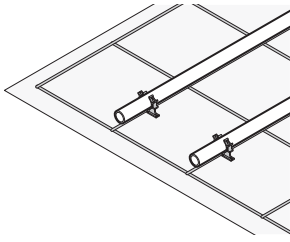
Uponor Multi bend support plastic

- Impact resistant plastic
- Bend support 90°



| Item no. | Dimension | l | di | c/c | z | h | r | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|----|-----|----|----|----|-------|-------|-----|
| | | mm | mm | mm | mm | mm | mm | | | |
| 1063781 | 12 | 73 | 10 | 30 | 65 | 18 | 65 | 500 | 50 | pce |

Uponor Classic



Uponor Classic is the ideal solution for underfloor heating/cooling systems in new residential and commercial buildings. Available in three grid sizes, it enables optimisation of pipe spacing to meet heating

needs. Combined with high-payload insulation, it is also suited for areas such as garage showrooms, production halls, retail outlets, etc.

Your benefits

- **Cost efficient:** flexible, fast and easy to install
- **Flexible:** choice of insulation material
- **Security:** no damage to insulation covering
- **Reliable:** long-term, proven system



Specification

- Classic underfloor heating system for installation on top of thermal/step-sound insulation provided by the customer.
- designed as steel-mesh supported fixation using single pipe clips

Application

- radiant underfloor heating and cooling
- for use with cement- and anhydrite-based screeds

Certification

- DIN CERTCO: 7F004-F; 7F371-F; 7F421-F

Uponor Comfort Pipe PLUS

Specification

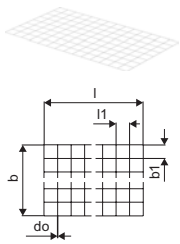
- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- 5layer
- Outside white PE layer designed to protect against mechanical damages
- Application class 4/5 - Underfloor heating and low temperature radiators
- Fire classification E according to DIN EN 13501-1.

Application

- Underfloor heating and low temperature radiators
- Heating
- Max design temperature: 90°C
- Malfunction temperature 100°C
- Design pressure 6 Bar at 70°C

Uponor Classic steel mesh, coated

- steel mesh for mounting of pipe fixations of underfloor heating pipes
- material: coated steel

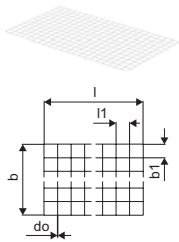


| Item no. | Dimension | l mm | l1 mm | do mm | b mm | b1 mm | r mm | A m ² | Qty 2 | Qty 1 | UOM |
|----------------|---------------------|---------|----------|----------|---------|----------|---------|---------------------|-------|-------|----------------|
| 1005084 | 100mm 2100x1200x3mm | 2100 | 100 | 3 | 1200 | 100 | 100 | 2.5 | 750 | 25 | m ² |
| 1005087 | 150mm 2100x1200x3mm | 2100 | 150 | 3 | 1200 | 150 | 150 | 2.5 | 750 | 25 | m ² |

Uponor Classic

Uponor Classic steel mesh

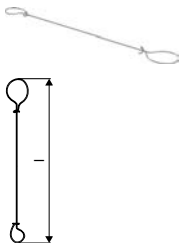
- steel mesh for mounting of pipe fixations of underfloor heating pipes
- material: steel



| Item no. | Dimension | l mm | l1 mm | do mm | b mm | b1 mm | r mm | A m ² | Qty 2 | Qty 1 | UOM |
|----------------|---------------------|---------|----------|----------|---------|----------|---------|---------------------|-------|-------|----------------|
| 1063406 | 100mm 2100x1200x3mm | 2100 | 100 | 3 | 1200 | 100 | 100 | 2.5 | 750 | 25 | m ² |
| 1063407 | 150mm 2100x1200x3mm | 2100 | 150 | 3 | 1200 | 150 | 150 | 2.5 | 750 | 25 | m ² |

Uponor Classic tying wire

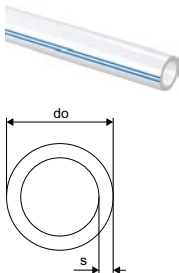
- steel clip usable to fix pipe to steel mesh
- for use with Uponor tool for metallic clip



| Item no. | Dimension | l mm | Qty 2 | Qty 1 | UOM |
|----------------|-------------------|---------|-------|-------|-----|
| 1009222 | 150x1,25mm 250pcs | 150 | 250 | 1 | pce |

Uponor Comfort Pipe PLUS

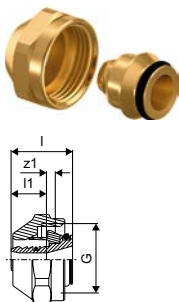
- UFH pipe made of PEX-a
- Complying with ISO 22391 and fulfils oxygen diffusion resistance as per DIN 4726
- Application class 4
- Design pressure 6 Bar at 70°C



| Item no. | Dimension | L m | do mm | s mm | p bar | colour | Qty 2 | Qty 1 | UOM |
|----------------|-------------|--------|----------|---------|----------|--------|-------|-------|-----|
| 1062044 | 16x2,0 120m | 120 | 16 | 2 | 6 | white | 1080 | 120 | m |
| 1062045 | 16x2,0 240m | 240 | 16 | 2 | 6 | white | 1440 | 240 | m |
| 1062046 | 16x2,0 640m | 640 | 16 | 2 | 6 | white | 1280 | 640 | m |
| 1034535 | 17x2,0 120m | 120 | 17 | 2 | 6 | white | 840 | 120 | m |
| 1009226 | 17x2,0 240m | 240 | 17 | 2 | 6 | white | 1200 | 240 | m |
| 1009227 | 17x2,0 640m | 640 | 17 | 2 | 6 | white | 1280 | 640 | m |
| 1009228 | 20x2,0 120m | 120 | 20 | 2 | 6 | white | 840 | 120 | m |
| 1009230 | 20x2,0 240m | 240 | 20 | 2 | 6 | white | 960 | 240 | m |
| 1009231 | 20x2,0 480m | 480 | 20 | 2 | 6 | white | 960 | 480 | m |

Uponor Vario compression adapter PEX

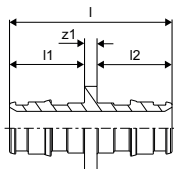
- Eurocone
- Brass



| Item no. | Dimension | l mm | l1 mm | G inch | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|---|---------|----------|-----------------------------|----------|-------|-------|-----|
| 1065284 | 16x1,8/2,0-G ³ / ₄ "FT Euro | 23 | 13 | ³ / ₄ | 3 | 25 | 1 | pce |
| 1065286 | 17x2,0-G ³ / ₄ "FT Euro | 23 | 13 | ³ / ₄ | 3 | 25 | 1 | pce |
| 1065290 | 20x1,9/2,0-G ³ / ₄ "FT Euro | 24 | 14 | ³ / ₄ | 3 | 25 | 1 | pce |

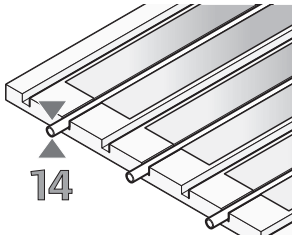
Uponor Classic

Uponor Q&E coupling, rings DR



| Item no. | Dimension | l mm | l1 mm | l2 mm | z1 mm | Qty 2 | Qty 1 | UOM |
|-----------------|-----------------------|---------|----------|----------|----------|-------|-------|-----|
| 1058660* | 16x1,8/2,0-16x1,8/2,0 | 39 | 18 | 18 | 3 | 100 | 10 | pce |
| 1058661 | 17-17 | 43 | 20 | 20 | 3 | 100 | 10 | pce |
| 1058668 | 20-20 | 47 | 22 | 22 | 3 | 80 | 10 | pce |

Uponor Siccus 14



The universal Uponor Siccus 14 provides underfloor heating for new constructions as well as renovation projects, and is suitable for multiple construction styles. It is flexible and easy to apply in a variety of building

constructions.



Specification

- Siccus underfloor heating panel system, consists of EPS (HBCD-free) boards acc. EN 13163 with Aluminium heat spreaders.
- EN 13501-1 fire classification: class E.
- flame retardant class B1 acc. DIN 4102
- Application type acc to DIN 4108-10: DEO dh, WI
- life load acc. EN 1991-1-1 = 7,5kN/m²
- for installations with pipe c-c 150mm
- for pipe dim 14mm

Application

- radiant underfloor heating and cooling
- for dry-build installations
- for sports floors

Certification

- DIN CERTCO: 7F008-F, 7F009-F, 7F332-F

Uponor Comfort Pipe PLUS

Specification

- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- 5layer
- Outside white PE layer designed to protect against mechanical damages
- Application class 4/5 - Underfloor heating and low temperature radiators
- Fire classification E according to DIN EN 13501-1.

Application

- Underfloor heating and low temperature radiators
- Heating
- Max design temperature: 90°C
- Malfunction temperature 100°C
- Design pressure 6 Bar at 70°C

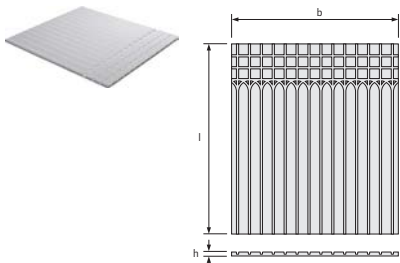
Your benefits

- Low height and lightweight floor construction
- Fast to install: gypsum top layer makes it immediately accessible
- Quick and dry: no water, no drying time
- Universal: use with Dim 14mm MLC or PE-Xa pipe

Uponor Siccus 14

Uponor Siccus 14 panel

- installation panel with grooves
- EPS compressive strength: = 150 kPa
- R=0.622 m²K/W



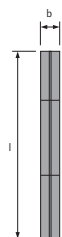
| Item no. | Dimension | ND | l | R-value | b | h | A | Qty 2 | Qty 1 | UOM |
|----------------|-----------------|------|------|--------------------|------|----|-----------------|-------|-------|----------------|
| | | mm | mm | m ² K/W | mm | mm | mm ² | | | |
| 1005485 | EPS 150kPa 14mm | 1197 | 1050 | 0,622 | 1050 | 25 | 1,25 | 100 | 12,5 | m ² |

Uponor Siccus 14 heat emission plate

- aluminium heat spreader for use in Uponor dry UFH systems using pipe 14mm
- pre-cut equipped for easy size to measure
- material consumption = 5.6 pcs/m² (c-c150mm)



| Item no. | Dimension | l | b | Qty 2 | Qty 1 | UOM |
|----------------|----------------------|------|-----|-------|-------|-----|
| | | mm | mm | | | |
| 1005486 | 14mm 1180x120x0,45mm | 1180 | 120 | 768 | 48 | pce |

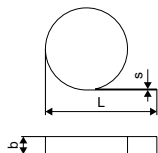


Uponor Multi PE edging strip with foil

- edging strip, conforming to DIN 18560, made of polyethylene.



| Item no. | Dimension | L | s | b | colour | Qty 1 | UOM |
|----------------|-----------|----|----|-----|--------|-------|-----|
| | | m | mm | mm | | | |
| 1000079 | 150x8mm | 50 | 8 | 150 | blue | 200 | m |



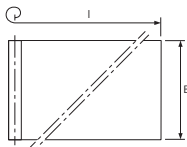
Uponor Siccus 14

Uponor Multi foil PE

- PE-foil for installation on top of existing thermal insulation
- transparent



| Item no. | Dimension | s mm | ND m | L m | B m | A m ² | colour | Qty 2 | Qty 1 | UOM |
|----------------|----------------|---------|---------|--------|--------|---------------------|-------------|-------|-------|----------------|
| 1065049 | 0,2mm 60x1,25m | 0,2 | 0,2 | 60 | 1,25 | 75 | transparent | 3375 | 75 | m ² |

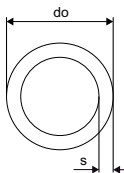


Uponor Comfort Pipe PLUS

- UFH pipe made of PEX-a
- Complying with ISO 22391 and fulfils oxygen diffusion resistance as per DIN 4726
- Application class 4
- Design pressure 6 Bar at 70°C



| Item no. | Dimension | L m | do mm | s mm | p bar | colour | Qty 2 | Qty 1 | UOM |
|----------------|-------------|--------|----------|---------|----------|--------|-------|-------|-----|
| 1062883 | 14x2,0 120m | 120 | 14 | 2 | 6 | white | 1320 | 120 | m |
| 1062884 | 14x2,0 240m | 240 | 14 | 2 | 6 | white | 1680 | 240 | m |
| 1062885 | 14x2,0 960m | 960 | 14 | 2 | 6 | white | 1920 | 960 | m |

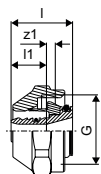


Uponor Vario compression adapter PEX

- Eurocone
- Brass



| Item no. | Dimension | l mm | l1 mm | G inch | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|---|---------|----------|-----------------------------|----------|-------|-------|-----|
| 1065283 | 14x2,0-G ³ / ₄ "FT Euro | 23 | 13 | ³ / ₄ | 3 | 25 | 1 | pce |

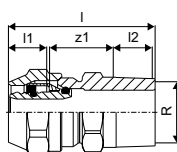


Uponor Fit compression adapter male PEX

- Brass



| Item no. | Dimension | l mm | l1 mm | l2 mm | R inch | z1 mm | Qty 2 | Qty 1 | UOM |
|----------------|--|---------|----------|----------|-----------------------------|----------|-------|-------|-----|
| 1065294 | 14x2,0-R ¹ / ₂ "MT | 51 | 19 | 14 | ¹ / ₂ | 18 | 25 | 1 | pce |



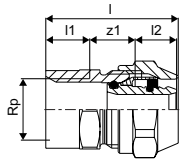
Uponor Siccus 14

Uponor Fit compression adapter female PEX

- Brass



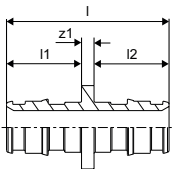
| Item no. | Dimension | l | l1 | l2 | Rp | z1 | Qty 2 | Qty 1 | UOM |
|----------------|---------------|----|----|----|------|----|-------|-------|-----|
| | | mm | mm | mm | inch | mm | | | |
| 1065295 | 14x2,0-Rp½"FT | 43 | 15 | 13 | ½ | 13 | 25 | 1 | pce |



Uponor Q&E coupling, rings DR



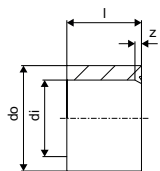
| Item no. | Dimension | l | l1 | l2 | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|----|----|----|-------|-------|-----|
| | | mm | mm | mm | mm | | | |
| 1058659 | 14-14 | 39 | 18 | 18 | 3 | 100 | 10 | pce |



Uponor Q&E ring natural, eval



| Item no. | Dimension | l | di | s | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|------|-----|-------|-------|-----|
| | | mm | mm | mm | | | |
| 1058428 | 14 | 14 | 14,3 | 3,0 | 900 | 20 | pce |



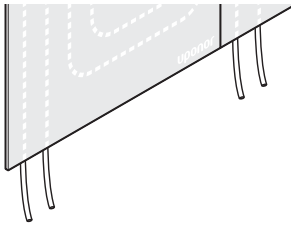
Uponor Siccus 14 PS cutter, groove

- thermal cutting tool for EPS
- 230V, 50/60Hz
- with tool to cut grooves for 14mm pipes



| Item no. | Dimension | OV | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-----|-------|-------|-----|
| | | V | | | |
| 1006290 | 14mm 230V | 230 | 20 | 1 | pce |

Uponor Renovis



Uponor Renovis for radiant heating and cooling consists of gypsum plasterboard into which Uponor PE-Xa pipes are pre-integrated ex-works. Ideal for renovation, it enables thermal conditioning

of rooms via walls and ceilings by use of dry build constructions. For professional installation, the Tichelmann principle with complete Uponor portfolio is recommended.

Your benefits

- **Quick and dry: professional installation time of about 3 rooms/day**
- **Energy efficient: low operating temperatures**
- **All-in-one solution: radiant heating/cooling and dry construction**



Specification

- Renovis prefab heating and cooling panel system, with embedded pipes 9.9mm.
- based on fibre-reinforced gypsum panel 15mm
- EN 13501-1 fire classification: class E
- for mounting on defined dry-build sub constructions

Application

- radiant wall and ceiling heating and cooling
- for dry-build installations

Uponor Uni Pipe PLUS

Specification

- Oxygen diffusion resistant multi-layer composite pipe (PE-RT - adhesive – seamless aluminium/longitudinally welded aluminium - adhesive - PE-RT) produced using SACP and OWC-technology.
- Fire classification E according to EN 13501-1.
- With pipe end caps as hygienic seal according EN 806.

Application

- Tested/Approved according EN ISO 21003 Multilayer piping systems for hot and cold water installations inside buildings for application class 1,2,4,5/10bar
- Tap water: The permanent operating temperature ranges from 0°C to 70°C at a maximum permanent operating pressure of 10 bar. The short-term malfunction temperature is 95°C for a period of 100 hours in the operating life time.
- Heating: The permanent operating temperature ranges up to 80°C at a maximum permanent operating pressure of 10 bar. The short-term malfunction temperature is 100°C for a period of 100 hours in the operating life time.

Certification

- Approvals by local OM.
- E.g.
- DVGW
- AENOR

Uponor Renovis

Uponor Comfort Pipe PLUS

Specification

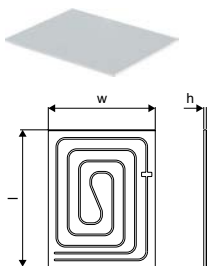
- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- 5layer
- Outside white PE layer designed to protect against mechanical damages
- Application class 4/5 - Underfloor heating and low temperature radiators
- Fire classification E according to DIN EN 13501-1.

Application

- Underfloor heating and low temperature radiators
- Heating
- Max design temperature: 90°C
- Malfunction temperature 100°C
- Design pressure 6 Bar at 70°C

Uponor Renovis panel

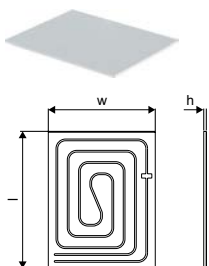
- panel with embedded piping
- active surface of Renovis system



| Item no. | Dimension | l mm | h mm | w mm | ND mm | p bar | A m ² | colour | Qty 1 | UOM |
|----------|------------|---------|---------|---------|----------|----------|---------------------|----------|-------|-----|
| 1061173 | 800x625mm | 800 | 15 | 625 | 15 | 6 | 0,5 | RAL 7040 | 24 | pce |
| 1061172 | 1200x625mm | 1200 | 15 | 625 | 15 | 6 | 0,75 | RAL 7040 | 24 | pce |
| 1061171 | 2000x625mm | 2000 | 15 | 625 | 15 | 6 | 1,25 | RAL 7040 | 24 | pce |

Uponor Renovis panel extra

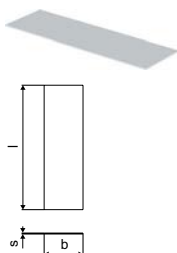
- panel with embedded piping
- active surface of Renovis system
- single packed panel



| Item no. | Dimension | l mm | h mm | w mm | ND mm | p bar | A m ² | colour | Qty 2 | Qty 1 | UOM |
|----------|---------------|---------|---------|---------|----------|----------|---------------------|----------|-------|-------|-----|
| 1063923 | 800x625x15mm | 800 | 15 | 625 | 15 | 6 | 0,5 | RAL 7040 | 24 | 1 | pce |
| 1063924 | 1200x625x15mm | 1200 | 15 | 625 | 15 | 6 | 0,75 | RAL 7040 | 24 | 1 | pce |
| 1063925 | 2000x625x15mm | 2000 | 15 | 625 | 15 | 6 | 1,25 | RAL 7040 | 24 | 1 | pce |

Uponor Renovis panel passive

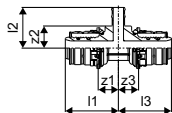
- panel with no piping
- for closing non-active surfaces of Renovis system



| Item no. | Dimension | l mm | s mm | b mm | ND mm | A m ² | colour | Qty 1 | UOM |
|----------|---------------|---------|---------|---------|----------|---------------------|----------|-------|-----|
| 1063926 | 2000x625x15mm | 2000 | 15 | 625 | 15 | 1,25 | RAL 7040 | 24 | pce |

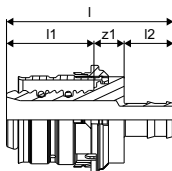
Uponor Renovis

Uponor Q&E tee adapter S-Press



| Item no. | Dimension | l1 | l2 | l3 | z1 | z2 | z3 | Qty 2 | Qty 1 | UOM |
|----------------|-------------------|----|----|----|----|----|----|-------|-------|-----|
| | | mm | mm | mm | mm | mm | mm | | | |
| 1063938 | 20-Q&E9,9-Press20 | 36 | 28 | 36 | 14 | 15 | 14 | 6 | 2 | pce |

Uponor Q&E adapter S-Press



| Item no. | Dimension | l | l1 | l2 | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|----|----|----|-------|-------|-----|
| | | mm | mm | mm | mm | | | |
| 1063939 | 20-Q&E9,9 | 43 | 22 | 13 | 8 | 12 | 2 | pce |

Uponor Multi insulation for pipe

- Insulation made of Polyethylene for 9,9x1,1 mm pipe
- Density: 35Kg/m³.
- Thermal conductivity $\lambda=0.040$ W/mK.
- Water permeability $\mu=6500$.



| Item no. | Dimension | d | s | L | Qty 1 | UOM |
|----------------|-----------|-----|-----|----|-------|-----|
| | | mm | mm | m | | |
| 1020475 | 10x6 10m | 9,9 | 6,0 | 10 | 10 | m |

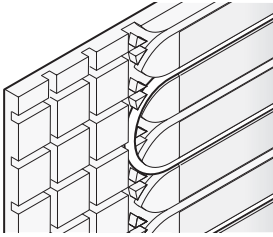
Uponor Q&E Expansion head M12/Rapid Seal

- Suitable for Q&E expanding tool M12 / M12 FUEL



| Item no. | Dimension | Qty 1 | UOM |
|----------------|-----------|-------|-----|
| 1119380 | 9,9x1.1 | 1 | pce |

Uponor Siccus wall



Siccus wall is the ideal solution for walls that are used for heating or cooling. It integrates smoothly with renovation and lightweight construction requirements.

Your benefits

- **Wall heating:** in addition or as alternative to floor radiant heating
- **Fast:** short installation time, high flexibility for lightweight constructions
- **Dry:** no drying time, no heat-up process necessary
- **Universal:** for use with Dim 14mm MLC or PE-Xa pipe



Specification

- Siccus wall heating panel system, consists of EPS (HBCD-free) boards acc. EN 13163 with Aluminium heat spreaders.
- EN 13501-1 fire classification: class E
- flame retardant class B1 acc. DIN 4102
- application type acc to DIN 4108-10: DEO dh, WI
- life load acc. EN 1991-1-1 = 7,5kN/m²
- for installations with pipe c-c 150mm
- for pipe dim 14mm

Application

- radiant wall heating and cooling
- for dry-build installations
- for sports floors

Certification

- DIN CERTCO: 7F008-F, 7F009-F, 7F332-F

Uponor Comfort Pipe PLUS

Specification

- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- 5layer
- Outside white PE layer designed to protect against mechanical damages
- Application class 4/5 - Underfloor heating and low temperature radiators
- Fire classification E according to DIN EN 13501-1.

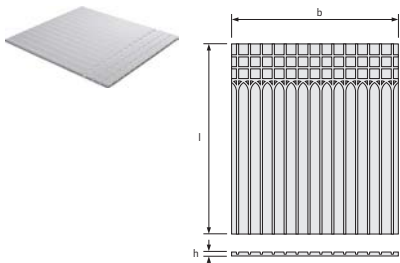
Application

- Underfloor heating and low temperature radiators
- Heating
- Max design temperature: 90°C
- Malfunction temperature 100°C
- Design pressure 6 Bar at 70°C

Uponor Siccus wall

Uponor Siccus 14 panel

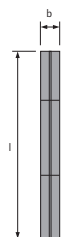
- installation panel with grooves
- EPS compressive strength: = 150 kPa
- $R=0.622 \text{ m}^2\text{K/W}$



| Item no. | Dimension | ND | l | R-value | b | h | A | Qty 2 | Qty 1 | UOM |
|----------------|-----------------|------|------|------------------------|------|----|--------------|-------|-------|--------------|
| | | mm | mm | $\text{m}^2\text{K/W}$ | mm | mm | m^2 | | | |
| 1005485 | EPS 150kPa 14mm | 1197 | 1050 | 0,622 | 1050 | 25 | 1,25 | 100 | 12,5 | m^2 |

Uponor Siccus 14 heat emission plate

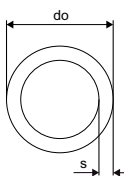
- aluminium heat spreader for use in Uponor dry UFH systems using pipe 14mm
- pre-cut equipped for easy size to measure
- material consumption = 5.6 pcs/m^2 (c-c150mm)



| Item no. | Dimension | l | b | Qty 2 | Qty 1 | UOM |
|----------------|----------------------|------|-----|-------|-------|-----|
| | | mm | mm | | | |
| 1005486 | 14mm 1180x120x0,45mm | 1180 | 120 | 768 | 48 | pce |

Uponor Comfort Pipe PLUS

- UFH pipe made of PEX-a
- Complying with ISO 22391 and fulfils oxygen diffusion resistance as per DIN 4726
- Application class 4
- Design pressure 6 Bar at 70°C



| Item no. | Dimension | L | do | s | p | colour | Qty 2 | Qty 1 | UOM |
|----------------|-------------|-----|----|----|-----|--------|-------|-------|-----|
| | | m | mm | mm | bar | | | | |
| 1062883 | 14x2,0 120m | 120 | 14 | 2 | 6 | white | 1320 | 120 | m |
| 1062884 | 14x2,0 240m | 240 | 14 | 2 | 6 | white | 1680 | 240 | m |
| 1062885 | 14x2,0 960m | 960 | 14 | 2 | 6 | white | 1920 | 960 | m |

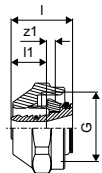
Uponor Siccus wall

Uponor Vario compression adapter PEX

- Eurocone
- Brass



| Item no. | Dimension | l | l1 | G | z1 | Qty 2 | Qty 1 | UOM |
|----------------|---------------------------------|----|----|---------------|----|-------|-------|-----|
| | | mm | mm | inch | mm | | | |
| 1065283 | 14x2,0-G $\frac{3}{4}$ "FT Euro | 23 | 13 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |

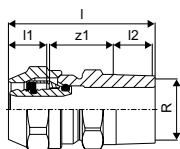


Uponor Fit compression adapter male PEX

- Brass



| Item no. | Dimension | l | l1 | l2 | R | z1 | Qty 2 | Qty 1 | UOM |
|----------------|----------------------------|----|----|----|---------------|----|-------|-------|-----|
| | | mm | mm | mm | inch | mm | | | |
| 1065294 | 14x2,0-R $\frac{1}{2}$ "MT | 51 | 19 | 14 | $\frac{1}{2}$ | 18 | 25 | 1 | pce |

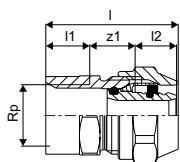


Uponor Fit compression adapter female PEX

- Brass



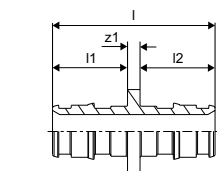
| Item no. | Dimension | l | l1 | l2 | Rp | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-----------------------------|----|----|----|---------------|----|-------|-------|-----|
| | | mm | mm | mm | inch | mm | | | |
| 1065295 | 14x2,0-Rp $\frac{1}{2}$ "FT | 43 | 15 | 13 | $\frac{1}{2}$ | 13 | 25 | 1 | pce |



Uponor Q&E coupling, rings DR

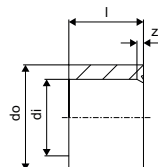


| Item no. | Dimension | l | l1 | l2 | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|----|----|----|-------|-------|-----|
| | | mm | mm | mm | mm | | | |
| 1058659 | 14-14 | 39 | 18 | 18 | 3 | 100 | 10 | pce |



Uponor Siccus wall

Uponor Q&E ring natural, eval



| Item no. | Dimension | l mm | di mm | s mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|----------|---------|-------|-------|-----|
| 1058428 | 14 | 14 | 14,3 | 3,0 | 900 | 20 | pce |

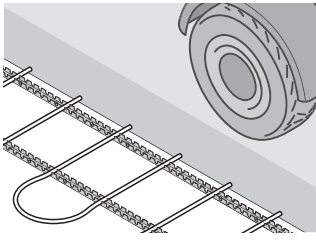
Uponor Siccus 14 PS cutter, groove

- thermal cutting tool for EPS
- 230V, 50/60Hz
- with tool to cut grooves for 14mm pipes



| Item no. | Dimension | OV V | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|-------|-------|-----|
| 1006290 | 14mm 230V | 230 | 20 | 1 | pce |

Uponor Magna



Uponor Magna is built directly into the basement concrete. The standard steel mats are used for pipe fixation. Any warm water heating system can be used.

Your benefits

- **Easy and flexible:** optimal use of space, few components
- **Cost efficient:** rapid return on investment, no maintenance costs
- **Reliable:** long-life, proven technology
- **Comfortable:** constant temperature, no dust



Specification

- Magna industrial heating system
- Loops 2-5 6-9 10-14 15-19 20
- Bracket 2 3 4 5 6
- Spacing outlet 100 mm

Application

- industrial and commercial large surface heating
- for use inside concrete
- max. 20 loops
- max. pressure: 6 bar at 60°C

Uponor Comfort Pipe PLUS

Specification

- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- 5layer
- Outside white PE layer designed to protect against mechanical damages
- Application class 4/5 - Underfloor heating and low temperature radiators
- Fire classification E according to DIN EN 13501-1.

Application

- Underfloor heating and low temperature radiators
- Heating
- Max design temperature: 90°C
- Malfunction temperature 100°C
- Design pressure 6 Bar at 70°C

Uponor Radi Pipe

Specification

- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- Application class 5 - high temperature radiators
- Fire classification E according to DIN EN 13501-1.

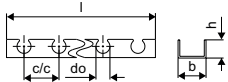
Application

- Heating: The permanent operating temperature ranges up to 90°C. The short-term malfunction temperature is 100°C for a period of 100 hours in the operating life time.

Uponor Magna

Uponor Multi clamp track U-profile

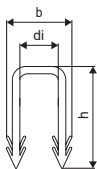
- clamp track for pipes 20 / 25mm
- c-c 50mm



| Item no. | Dimension | l mm | do mm | c/c1 mm | b mm | ND colour | Qty 2 | Qty 1 | UOM |
|-----------------|-----------------|---------|----------|------------|---------|-------------|-------|-------|-----|
| 1005358 | 20mm c/c50mm 3m | 3000 | 20 | 50 | 40 | 26 RAL 7042 | 30 | 3 | m |
| 1005290* | 25mm c/c50mm 3m | 3000 | 25 | 50 | 60 | | 1320 | 30 | m |

Uponor Magna clamp track nail

- clamp track fixation clip
- for pipes 25 mm



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|-------|-------|-----|
| 1005291* | 25mm | 5000 | 500 | pce |

Uponor Classic tying wire

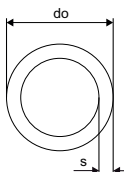
- steel clip usable to fix pipe to steel mesh
- for use with Uponor tool for metallic clip



| Item no. | Dimension | l mm | Qty 2 | Qty 1 | UOM |
|----------------|-------------------|---------|-------|-------|-----|
| 1009222 | 150x1,25mm 250pcs | 150 | 250 | 1 | pce |

Uponor Comfort Pipe PLUS

- UFH pipe made of PEX-a
- Complying with ISO 22391 and fulfils oxygen diffusion resistance as per DIN 4726
- Application class 4
- Design pressure 6 Bar at 70°C

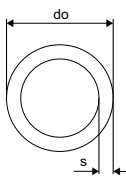


| Item no. | Dimension | L m | do mm | s mm | p bar | colour | Qty 2 | Qty 1 | UOM |
|----------------|-------------|--------|----------|---------|----------|--------|-------|-------|-----|
| 1009230 | 20x2,0 240m | 240 | 20 | 2 | 6 | white | 960 | 240 | m |
| 1009231 | 20x2,0 480m | 480 | 20 | 2 | 6 | white | 960 | 480 | m |

Uponor Magna

Uponor Comfort Pipe PLUS

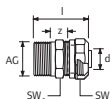
- 6 bar at 90°C



| Item no. | Dimension | L m | do mm | s mm | p mm | colour | Qty 2 | Qty 1 | UOM |
|----------------|-------------|--------|----------|---------|---------|--------|-------|-------|-----|
| 1062888 | 25x2,3 220m | 220 | 25 | 2,3 | 6 | white | 440 | 220 | m |
| 1062889 | 25x2,3 300m | 300 | 25 | 2,3 | 6 | white | 600 | 300 | m |
| 1063907 | 25x2,3 640m | 640 | 25 | 2,3 | 6 | white | | 640 | m |

Uponor Fit compression adapter male

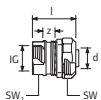
- Brass



| Item no. | Dimension | d mm | AG inch | l mm | SW mm | z mm | Qty 2 | Qty 1 | UOM |
|----------------|----------------------------|---------|-----------------|---------|----------|---------|-------|-------|-----|
| 1005295 | 25x2,3-R $\frac{3}{4}$ "MT | 25 | R $\frac{3}{4}$ | 50 | 37/27 | 15 | 100 | 10 | pce |
| 1020064 | 25xR $\frac{3}{4}$ "MT | 25 | R $\frac{3}{4}$ | 50 | 37/27 | 15 | | 2 | pce |
| 1005298 | 25x2,3-R1"MT | 25 | R 1 | 53 | 37/34 | 20 | 100 | 10 | pce |

Uponor Fit compression adapter female

- Brass

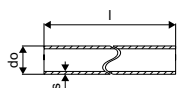


| Item no. | Dimension | d mm | IG inch | l mm | SW mm | z mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------------------------|---------|------------------|---------|----------|---------|-------|-------|-----|
| 1005297 | 25x2,3-Rp $\frac{3}{4}$ "FT | 25 | Rp $\frac{3}{4}$ | 35 | 37/31 | 8 | 100 | 10 | pce |

Uponor Radi Pipe natural PN6 S

- Operating pressure 6 bar

- 6 m bars



| Item no. | Dimension | L m | do mm | s mm | p mm | colour | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|----------|---------|---------|---------|-------|-------|-----|
| 1008939 | 40x3,7 6m | 6 | 40 | 3,7 | 6 | natural | 840 | 6 | m |

Uponor Magna expansion protective pipe

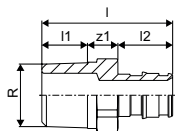
- made of PE-LD, for protection of UFH pipes 25mm in areas of expansion joints



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-------------|-------|-------|-----|
| 1030631 | 34/28mm 25m | 1250 | 25 | m |

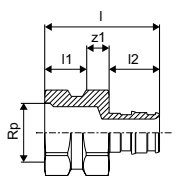
Uponor Magna

Uponor Q&E adapter male thread PL



| Item no. | Dimension | l | l1 | l2 | R | z1 | p | Qty 2 | Qty 1 | UOM |
|----------------|------------------------|----|----|----|---------------|----|------|-------|-------|-----|
| | | mm | mm | mm | inch | mm | bar | | | |
| 1023007 | 25-R $\frac{3}{4}$ "MT | 55 | 17 | 27 | $\frac{1}{2}$ | 11 | 6+10 | 70 | 5 | pce |
| 1023008 | 25-R1"MT | 58 | 20 | 27 | $\frac{3}{4}$ | 11 | 6+10 | 40 | 5 | pce |

Uponor Q&E adapter female thread PL



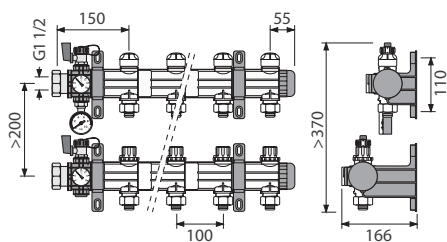
| Item no. | Dimension | l | l1 | l2 | Rp | z1 | p | Qty 2 | Qty 1 | UOM |
|----------------|-------------------------|----|----|----|---------------|----|------|-------|-------|-----|
| | | mm | mm | mm | inch | mm | bar | | | |
| 1023012 | 25-Rp $\frac{3}{4}$ "FT | 51 | 18 | 27 | $\frac{3}{4}$ | 6 | 6+10 | 40 | 5 | pce |
| 1023013 | 25-Rp1"FT | 55 | 22 | 27 | 1 | 6 | 6+10 | 35 | 5 | pce |

Uponor Magna manifold kit K1

- Includes: 2x brackets short, 2x brackets long, 2x filling valve brass, 2x thermometer 0 - 60°C, 1x manometer, 2x endcap, 2x flat sealing screw connection piece with swivel nut, 1x mounting material: 8x screws 6x60mm, 8x plastic anchor 8x40mm, 2x flat sealing 44x32x2



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1045815 | | 1 | 1 | pce |



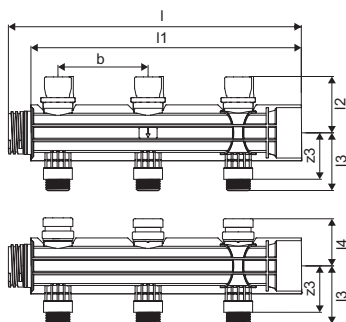
Uponor Magna

Uponor Magna manifold segment w. valve

- For connection with additional segments and basic kit
- Supply-segment with control valves for preadjustment and heating loop connection for G^{3/4} eurocone
- Return-segment with thermostat upper section incl. cap for locking
- Uponor actuator can be mounted directly on the return
- Heating loop connection for G^{3/4} eurocone



| Item no. | Dimension | p bar | Qty 2 | Qty 1 | UOM |
|----------------|------------------------|----------|-------|-------|-----|
| 1121532 | 1x ^{3/4} Euro | | 10 | 1 | pce |
| 1121533 | 2x ^{3/4} Euro | | 90 | 1 | pce |
| 1121534 | 3x ^{3/4} Euro | | 60 | 1 | pce |

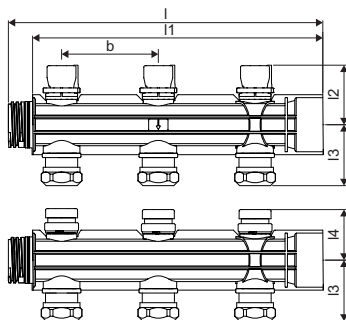


Uponor Magna manifold segment w. valve

- For connection with additional segments and basic kit
- Supply-segment with control valves for preadjustment
- Return-segment with thermostat upper section incl. cap for locking
- Uponor actuator can be mounted directly on the return
- Heating loop connection for PE-Xa Pipe 25x2,3 with compression adapter



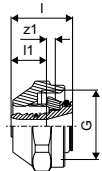
| Item no. | Dimension | p bar | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----------|-------|-------|-----|
| 1121535 | 1x25 | | 10 | 1 | pce |
| 1121536 | 2x25 | | 90 | 1 | pce |
| 1121537 | 3x25 | | 60 | 1 | pce |



Uponor Magna

Uponor Vario compression adapter PEX

- Eurocone
- Brass



| Item no. | Dimension | l | l1 | G | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-------------------------------------|----|----|---------------|----|-------|-------|-----|
| | | mm | mm | inch | mm | | | |
| 1065290 | 20x1,9/2,0-G $\frac{3}{4}$ "FT Euro | 24 | 14 | $\frac{3}{4}$ | 3 | 25 | 1 | pce |
| 1065291 | 25x2,3-G $\frac{3}{4}$ "FT Euro | 27 | 14 | $\frac{3}{4}$ | 7 | 25 | 1 | pce |

Uponor Magna ball valve, set

- Made of brass



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|----------------------|-------|-------|-----|
| 1030135 | 2x G 1 $\frac{1}{2}$ | 1 | 1 | pce |

Uponor Magna manifold bracket kit

- Includes: 2x brackets short, 2x brackets long, 1x mounting material: 8x screws 6x60mm, 8x plastic anchor, 8x40mm



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1045816 | | 1 | 1 | pce |

Uponor Magna manifold flowmeter

- With shut-off function
- Made of fibreglass reinforced Polyamid



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1030134 | | 20 | 1 | pce |

Uponor Vario PLUS valve tool

- Tool for mounting and de-mounting the valves

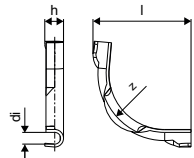


| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1009216 | | 10 | 1 | pce |

Uponor Magna

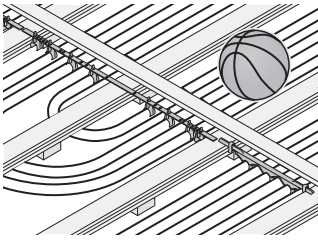
Uponor Multi bend support plastic

- Impact resistant plastic
- Bend support 90°



| Item no. | Dimension | l mm | di mm | z mm | h mm | r mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|----------|---------|---------|---------|-------|-------|-----|
| 1001229 | 20 | 150 | 22 | 115 | 31 | 115 | 2300 | 50 | pce |
| 1001230 | 28 | 175 | 27 | 145 | 40 | 145 | 900 | 50 | pce |

Uponor Sport



Uponor Sport is a radiant heating and cooling system for surface-elastic floors. These floors are a synthesis of wooden swing floors with an elastic layer made of PVC or linoleum. Heating registers run in pipe fixations

(Uponor patent) directly under the blind floor. Emitter pipes are connected to premanufactured Tichelmann distribution / collector pipes.

Your benefits

- **Comfort:** no blow-up dust with radiant heating
- **Safety:** no system components in action area, all components integrated in floor
- **Efficient and flexible:** free choice of insulation



Specification

- Sprung floor heating system, for installation between joists of sprung-floor constructions for sports.
- for installations with pipe c-c 100mm
- for pipe dim 25mm

- Sport tichelmann manifold
- Material: Uponor eval PE-Xa pipes + Uponor PPSU fittings

Application

- radiant underfloor heating
- for sports floors
- for connection of Uponor PE-Xa pipes 25x2.3mm with Uponor Q&E connection technology for sportsfloor
- for the use in sportsfloor UFH systems according to the Tichelmann principle

Certification

- DIN CERTCO: 7F134-F, 7F465-F, 7F466-F

Uponor Comfort Pipe PLUS

Specification

- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- 5layer
- Outside white PE layer designed to protect against mechanical damages
- Application class 4/5 - Underfloor heating and low temperature radiators
- Fire classification E according to DIN EN 13501-1.

Application

- Underfloor heating and low temperature radiators
- Heating
- Max design temperature: 90°C
- Malfunction temperature 100°C
- Design pressure 6 Bar at 70°C

Uponor Sport

Uponor Radi Pipe

Specification

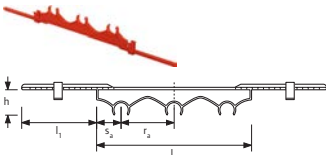
- Pipes manufactured from peroxide cross-linked polyethylene (PE-Xa) acc. EN ISO 15875
- EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance as per DIN 4726
- Application class 5 - high temperature radiators
- Fire classification E according to DIN EN 13501-1.

Application

- Heating: The permanent operating temperature ranges up to 90°C. The short-term malfunction temperature is 100°C for a period of 100 hours in the operating life time.

Uponor Sport pipe clip, plastic

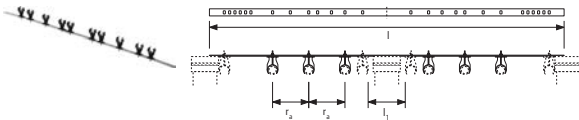
- pipes fixation for sprung floors
- polyamide



| Item no. | Dimension | sa mm | l mm | l1 mm | h mm | c/c mm | colour | Qty 2 | Qty 1 | UOM |
|----------|-----------|----------|---------|----------|---------|-----------|--------|-------|-------|-----|
| 1005286* | 25mm PA | 45,00 | 290 | 145 | 50 | 100 | red | 150 | 25 | pce |

Uponor Sport double clip

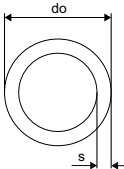
- pipes fixation for sprung floors
- galvanized steel



| Item no. | Dimension | l mm | l1 mm | c/c mm | Qty 2 | Qty 1 | UOM |
|----------|------------|---------|----------|-----------|-------|-------|-----|
| 1005284* | 25mm Steel | 975 | 105 | 100 | 250 | 1 | pce |

Uponor Comfort Pipe PLUS

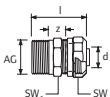
- 6 bar at 90°C



| Item no. | Dimension | L m | do mm | s mm | p bar | colour | Qty 2 | Qty 1 | UOM | |
|----------|-----------|--------|----------|---------|----------|--------|-------|-------|-----|---|
| 1062888 | 25x2,3 | 220m | 220 | 25 | 2,3 | 6 | white | 440 | 220 | m |
| 1062889 | 25x2,3 | 300m | 300 | 25 | 2,3 | 6 | white | 600 | 300 | m |
| 1063907 | 25x2,3 | 640m | 640 | 25 | 2,3 | 6 | white | | 640 | m |

Uponor Fit compression adapter male

- Brass

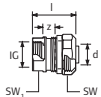


| Item no. | Dimension | d mm | AG inch | l mm | SW mm | z mm | Qty 2 | Qty 1 | UOM |
|----------|----------------------------|---------|-----------------|---------|----------|---------|-------|-------|-----|
| 1005295 | 25x2,3-R $\frac{3}{4}$ "MT | 25 | R $\frac{3}{4}$ | 50 | 37/27 | 15 | 100 | 10 | pce |
| 1005298 | 25x2,3-R1"MT | 25 | R 1 | 53 | 37/34 | 20 | 100 | 10 | pce |

Uponor Sport

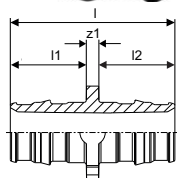
Uponor Fit compression adapter female

- Brass



| Item no. | Dimension | d mm | IG inch | l mm | SW mm | z mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------------------------|---------|------------------|---------|----------|---------|-------|-------|-----|
| 1005297 | 25x2,3-Rp $\frac{3}{4}$ "FT | 25 | Rp $\frac{3}{4}$ | 35 | 37/31 | 8 | 100 | 10 | pce |

Uponor Q&E coupling PPSU

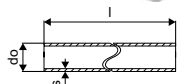


| Item no. | Dimension | l mm | l1 mm | l2 mm | z1 mm | p bar | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|----------|----------|----------|----------|-------|-------|-----|
| 1008671 | 25-25 | 58 | 28 | 28 | 3 | 6+10 | 50 | 5 | pce |

Uponor Radi Pipe natural PN6 S

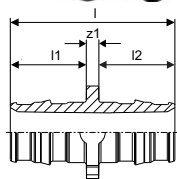
- Operating pressure 6 bar

- 6 m bars



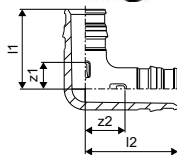
| Item no. | Dimension | L m | do mm | s mm | p bar | colour | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|----------|---------|----------|---------|-------|-------|-----|
| 1008939 | 40x3,7 6m | 6 | 40 | 3,7 | 6 | natural | 840 | 6 | m |

Uponor Q&E coupling PPSU



| Item no. | Dimension | l mm | l1 mm | l2 mm | z1 mm | p bar | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|----------|----------|----------|----------|-------|-------|-----|
| 1008673 | 40-40 | 90 | 44 | 44 | 3 | 6+10 | 10 | 1 | pce |

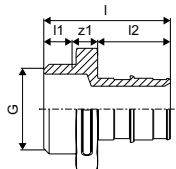
Uponor Q&E elbow PPSU



| Item no. | Dimension | l1 mm | l2 mm | z1 mm | z2 mm | p bar | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----------|----------|----------|----------|----------|-------|-------|-----|
| 1008683 | 40-40 | 65 | 74 | 21 | 29 | 6+10 | 10 | 1 | pce |

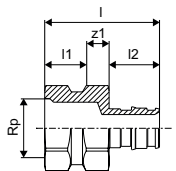
Uponor Sport

Uponor Q&E adapter male thread PL W



| Item no. | Dimension | l | l1 | l2 | G | z1 | p | Qty 2 | Qty 1 | UOM |
|----------|--------------|----|----|----|-------|----|------|-------|-------|-----|
| | | mm | mm | mm | inch | mm | bar | | | |
| 1008732 | 40-G1 1/4"MT | 68 | 14 | 42 | 1 1/4 | 12 | 6+10 | 8 | 1 | pce |

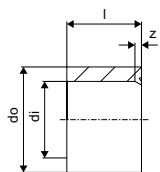
Uponor Q&E adapter female thread PL



| Item no. | Dimension | l | l1 | l2 | G | z1 | p | Qty 2 | Qty 1 | UOM |
|----------|--------------|----|----|----|-------|----|------|-------|-------|-----|
| | | mm | mm | mm | inch | mm | bar | | | |
| 1047867 | 40-G1 1/4"FT | 68 | 16 | 42 | 1 1/4 | 10 | 6+10 | 20 | 1 | pce |

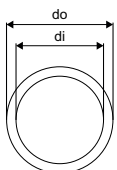
Uponor Q&E ring with stop edge natural

- With stop edge
- Pex material



| Item no. | Dimension | l | di | do | z | p | colour | Qty 2 | Qty 1 | UOM |
|----------|-----------|----|------|------|----|------|---------|-------|-------|-----|
| | | mm | mm | mm | mm | bar | | | | |
| 1045464 | 40 | 41 | 40,8 | 50,2 | 3 | 6+10 | natural | 80 | 5 | pce |

Uponor Teck conduit black

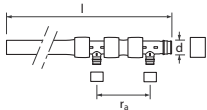


| Item no. | Dimension | L | di | do | colour | Qty 2 | Qty 1 | UOM |
|----------|-----------|----|----|----|--------|-------|-------|-----|
| | | m | mm | mm | | | | |
| 1012869 | 35/29 50m | 50 | 29 | 35 | black | 1400 | 50 | m |

Uponor Sport

Uponor Sport tichelmann manifold Q&E

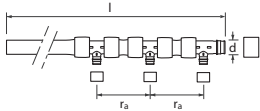
- 4 Q&E rings 25
- 2 Q&E rings 40



| Item no. | Dimension | d mm | l mm | c/c mm | Qty 1 | UOM |
|----------------|-----------|---------|---------|-----------|-------|-----|
| 1046747 | 2X 25 | 40 | 2084 | 150 | 1 | set |

Uponor Sport tichelmann manifold Q&E

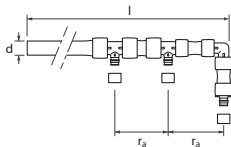
- 6 Q&E rings 25
- 2 Q&E rings 40



| Item no. | Dimension | d mm | l mm | c/c mm | Qty 1 | UOM |
|----------------|-----------|---------|---------|-----------|-------|-----|
| 1046748 | 3X 25 | 40 | 2084 | 150 | 1 | set |

Uponor Sport tichelmann endsegment Q&E

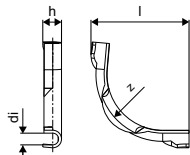
- 6 Q&E rings 25



| Item no. | Dimension | d mm | l mm | c/c mm | Qty 1 | UOM |
|----------------|-----------|---------|---------|-----------|-------|-----|
| 1046749 | 3X 25 | 40 | 2036 | 150 | 1 | set |

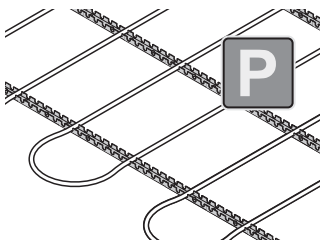
Uponor Multi bend support plastic

- Impact resistant plastic
- Bend support 90°



| Item no. | Dimension | l mm | di mm | z mm | h mm | r mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|----------|---------|---------|---------|-------|-------|-----|
| 1001230 | 28 | 175 | 27 | 145 | 40 | 145 | 900 | 50 | pce |

Uponor Meltaway



Uponor snow and ice melting system is ideal for all outdoor surfaces with a solid covering. It is especially designed for use with driveways, ramps, fire department or hospital approach roads, helicopter

landing zones, sidewalks, football pitches, etc.

Your benefits

- **Safe:** prevents injuries and accident liabilities
- **Year-round operation**
- **Efficient:** less maintenance costs, more security
- **Automatic de-icing:** no more shovelling of snow
- **Ecological:** avoids damage caused by de-icing salt



Specification

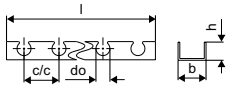
- snow- and ice melting system for areas with solid ground covering
- Made of high density polyethylene (HDPE) pipe
- Equipped with compact-welded couplings oriented in two directions with an angle of 120° between them

Application

- outdoor surface warming
- snow and ice melting

Uponor Magna clamp track U-profile

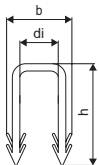
- clamp track for pipes 20 / 25mm
- c-c 50mm



| Item no. | Dimension | l mm | do mm | c/c1 mm | b mm | Qty 2 | Qty 1 | UOM |
|----------|-----------------|---------|----------|------------|---------|-------|-------|-----|
| 1005290* | 25mm c/c50mm 3m | 3000 | 25 | 50 | 60 | 1320 | 30 | m |

Uponor Magna clamp track nail

- clamp track fixation clip
- for pipes 25 mm



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------|-----------|-------|-------|-----|
| 1005291* | 25mm | 5000 | 500 | pce |

Uponor Meltaway

Uponor Classic tying wire

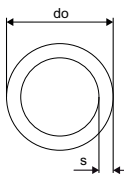
- steel clip usable to fix pipe to steel mesh
- for use with Uponor tool for metallic clip



| Item no. | Dimension | l mm | Qty 2 | Qty 1 | UOM |
|----------------|------------|---------|-------|-------|-------|
| 1009222 | 150x1,25mm | 250pcs | 150 | 250 | 1 pce |

Uponor Meltaway PLUS PE-Xa orange

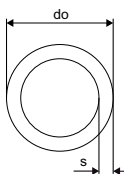
- PE-Xa
- Orange
- Snow melting and surface heating.
- Max design temperature: 50°C
- Design pressure: 4,5 Bar at 50°C



| Item no. | Dimension | L m | do mm | s mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|----------|---------|-------|-------|-----|
| 1087526 | 25x2,3 | 640m | 25 | 2,3 | 1 | 640 | m |

Uponor Meltaway PEX Pipe

- PE-Xb
- Snow melting and surface heating.
- Max design temperature: 50°C
- Design pressure: 4,5 Bar at 50°C

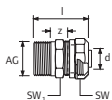


| Item no. | Dimension | L m | do mm | s mm | p bar | colour | Qty 1 | UOM |
|----------------|-----------|-------------|----------|---------|----------|--------|--------|--------|
| 1033625 | 25x2,3 | 1020m | 1020 | 25 | 2,3 | 4,5 | orange | 1020 m |
| 1033626 | 25x2,3 | custom made | 1 | 25 | 2,3 | 4,5 | orange | 1020 m |

Note: Ask delivery time for the custom-made items

Uponor Fit compression adapter male

- Brass



| Item no. | Dimension | d mm | AG inch | l mm | SW mm | z mm | Qty 2 | Qty 1 | UOM |
|----------------|--------------|---------|------------|---------|----------|---------|-------|-------|-----|
| 1005295 | 25x2,3-R¾"MT | 25 | R ¾ | 50 | 37/27 | 15 | 100 | 10 | pce |
| 1005298 | 25x2,3-R1"MT | 25 | R 1 | 53 | 37/34 | 20 | 100 | 10 | pce |

Uponor Meltaway

Uponor Fit compression adapter female

- Brass



| Item no. | Dimension | d mm | IG inch | l mm | SW mm | z mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------------------------|---------|------------------|---------|----------|---------|-------|-------|-----|
| 1005297 | 25x2,3-Rp $\frac{3}{4}$ "FT | 25 | Rp $\frac{3}{4}$ | 35 | 37/31 | 8 | 100 | 10 | pce |

Uponor Meltaway single manifold

- Single manifold



| Item no. | Dimension | outlets | d mm | c/c mm | Qty 1 | UOM |
|-----------------|---------------------|---------|---------|-----------|-------|-----|
| 1033639* | 160 1x10 c/c600 6m | 10 | 160 | 600 | 1 | pce |
| 1033640 | 75 1x40 c/c150 6m | 40 | 75 | 150 | 1 | pce |
| 1033645 | 110 1x40 c/c150 6m | 40 | 110 | 150 | 1 | pce |
| 1033631 | 75mm 1x12 c/c500 6m | 12 | 75 | 500 | 1 | pce |
| 1033632 | 110 1x12 c/c500 6m | 12 | 110 | 500 | 1 | pce |
| 1033633 | 160 1x12 c/c500 6m | 12 | 160 | 500 | 1 | pce |

Uponor Meltaway double manifold

- Double manifold



| Item no. | Dimension | outlets | d mm | c/c mm | Qty 1 | UOM |
|----------------|-------------------|---------|---------|-----------|-------|-----|
| 1033634 | 75 2x12 c/c500 6m | 24 | 75 | 500 | 1 | pce |

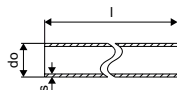
Uponor Meltaway coupling



| Item no. | Dimension | d mm | s mm | Qty 1 | UOM |
|----------------|--------------|---------|---------|-------|-----|
| 1033672 | 25x2,3 156mm | 25 | 2,3 | 1 | pce |
| 1033678 | 25x2,3 290mm | 25 | 2,3 | 1 | pce |

Uponor Meltaway feeder tubes

- Made of HDPE

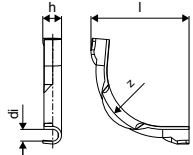


| Item no. | Dimension | L m | do mm | s mm | Qty 1 | UOM |
|----------------|------------|--------|----------|---------|-------|-----|
| 1033628 | 75x6,8 6m | 6 | 75 | 6,8 | 6 | m |
| 1033629 | 110x6,8 6m | 6 | 110 | 6,6 | 6 | m |

Uponor Meltaway

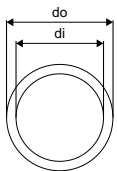
Uponor Multi bend support plastic

- Impact resistant plastic
- Bend support 90°



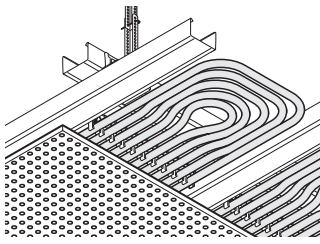
| Item no. | Dimension | l mm | di mm | z mm | h mm | r mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|----------|---------|---------|---------|-------|-------|-----|
| 1001230 | 28 | 175 | 27 | 145 | 40 | 145 | 900 | 50 | pce |

Uponor Teck conduit black



| Item no. | Dimension | L m | di mm | do mm | colour | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|----------|----------|--------|-------|-------|-----|
| 1012869 | 35/29 50m | 50 | 29 | 35 | black | 1400 | 50 | m |

Uponor Thermatop



CD profiles of the ceiling substructure.

Uponor Thermatop are water-based radiant heating and cooling ceiling systems for integration into seamless plasterboard ceilings. Quick and tool-free installation of the standardized prefab emitters by clicking into the

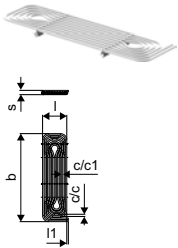
Your benefits

- Seamless and directionless ceiling surfaces for special architectural requirements
- High heating and cooling capacities with high efficiency due to good contact with gypsum board
- Clear separation of trades between dry construction and radiant installation.
- No draughts and no noise



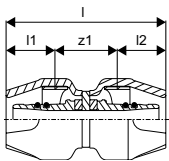
Uponor Thermatop M

- Emitter made of 16 x 2,0 mm Uni Pipe PLUS with 10 pipe rows and up to 37,3 m per m² module.
- For grid distances of CD-profiles of 333mm
- The pipe is 100% diffusion-resistant according to DIN 4726.
- Cooling capacity according to EN 14240 (8K) up to 67 W/m²
- Heating capacity according to EN 14037 (15K) up to 105 W/m².
- Sound absorption according to DIN EN ISO 354 with α_w between 0,60 to 0,65.
- Capacity and acoustic values depending on gypsum board.



| Item no. | Dimension | l mm | l1 mm | s mm | c/c mm | c/c1 mm | b mm | Area | QC W/m ² | QH W/m ² | Qty 2 | Qty 1 | UOM |
|----------|------------|---------|----------|---------|-----------|------------|---------|------|------------------------|------------------------|-------|-------|-----|
| 1090933 | 950x277mm | 277 | 17 | 47,0 | 24 | 28 | 950 | 0,26 | 65 | 103 | 200 | 10 | pce |
| 1090934 | 1350x277mm | 277 | 17 | 47 | 24 | 28 | 1350 | 0,37 | 65 | 103 | 200 | 10 | pce |
| 1090935 | 1750x277mm | 277 | 17 | 47 | 24 | 28 | 1750 | 0,48 | 65 | 103 | 200 | 10 | pce |
| 1090936 | 2150x277mm | 277 | 17 | 47 | 24 | 28 | 2150 | 0,60 | 65 | 103 | 200 | 10 | pce |
| 1090937 | 2550x277mm | 277 | 17 | 47 | 24 | 28 | 2550 | 0,71 | 65 | 103 | 200 | 10 | pce |

Uponor RTM coupling PPSU



| Item no. | Dimension | l mm | l1 mm | l2 mm | z1 mm | Qty 2 | Qty 1 | UOM |
|----------|-----------|---------|----------|----------|----------|-------|-------|-----|
| 1048542 | 16-16 | 60 | 18 | 18 | 24 | 40 | 1 | pce |

Uponor Q&E Expansion head M12/Rapid Seal

- Suitable for Q&E expanding tool M12 / M12 FUEL



| Item no. | Dimension | Qty 1 | UOM |
|----------|-----------|-------|-----|
| 1119380 | 9,9x1.1 | 1 | pce |

Uponor Multi

Uponor Multi

Specification

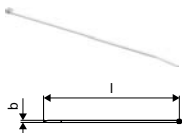
- UFH installation accessories and components for multiple systems

Application

- radiant heating and cooling systems

Uponor Multi cable ties PA

- cable ties for pipe fixation

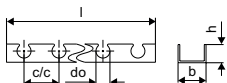


| Item no. | Dimension | l mm | b mm | colour | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|--------|-------|-------|-----|
| 1005372 | 300mm | 300 | 7 | | 5000 | 100 | pce |

Uponor Multi clamp track U-profile

- clamp track for pipes 20 / 25mm

- c-c 50mm

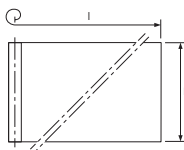


| Item no. | Dimension | l mm | do mm | c/c1 mm | b mm | ND mm | colour | Qty 2 | Qty 1 | UOM |
|----------------|-----------------|---------|----------|------------|---------|----------|----------|-------|-------|-----|
| 1005358 | 20mm c/c50mm 3m | 3000 | 20 | 50 | 40 | 26 | RAL 7042 | 30 | 3 | m |

Uponor Multi foil PE

- PE-foil for installation on top of existing thermal insulation

- transparent



| Item no. | Dimension | s mm | ND mm | L m | B m | A m ² | colour | Qty 2 | Qty 1 | UOM |
|----------------|----------------|---------|----------|--------|--------|---------------------|-------------|-------|-------|----------------|
| 1005049 | 0,2mm 60x1,25m | 0,2 | 0,2 | 60 | 1,25 | 75 | transparent | 3375 | 75 | m ² |

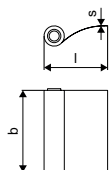
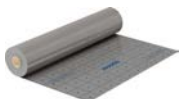
Uponor Multi texture foil with raster

- PE-foil for installation on top of existing thermal insulation

- recommended for Uponor Fix clamp track installations

- grey colour

- with printed pattern 100x100 mm

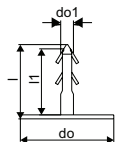


| Item no. | Dimension | Area m ² | A m ² | colour | Qty 2 | Qty 1 | UOM |
|----------------|------------------|------------------------|---------------------|--------|-------|-------|----------------|
| 1000015 | 0,25mm 100x1,03m | 103 | 100 | grey | 2472 | 103 | m ² |

Uponor Multi

Uponor Multi foil nail

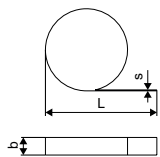
- fixation of foil to insulation boards



| Item no. | Dimension | l mm | l1 mm | do mm | do1 mm | colour | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|----------|----------|-----------|--------|-------|-------|-----|
| 1000016 | l=25mm | 28 | 25 | 35 | 4,8 | red | 5000 | 100 | pce |

Uponor Multi PE edging strip with foil

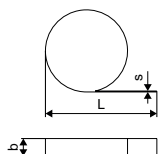
- edging strip, conforming to DIN 18560, made of polyethylene with self-adhesive backing, self-adhesive strip on outer face provides tight seal between edging strip and insulation



| Item no. | Dimension | L m | s mm | b mm | colour | Qty 1 | UOM |
|----------------|-----------|--------|---------|---------|--------|-------|-----|
| 1000080 | 150x10mm | 50 | 10 | 150 | blue | 200 | m |

Uponor Multi PE edging strip with foil

- edging strip, conforming to DIN 18560, made of polyethylene.



| Item no. | Dimension | L m | s mm | b mm | colour | Qty 1 | UOM |
|----------------|-----------|--------|---------|---------|--------|-------|-----|
| 1000079 | 150x8mm | 50 | 8 | 150 | blue | 200 | m |

Uponor Multi joint profile PP

- self-adhesive profile of polyethylene foam expansion strip and hard-PVC body, for separation of screed sections (e.g. in doorways), and to absorb expansion of screed

- for expansion joints as per DIN 18560-2



| Item no. | Dimension | s mm | L m | h mm | Qty 2 | Qty 1 | UOM |
|----------------|---------------|---------|--------|---------|-------|-------|-----|
| 1090229 | 1800x100x10mm | 10,0 | 1,8 | 100 | 720 | 18 | m |

Uponor Multi

Uponor Multi joint protection tube

- Made of PE-LD, with slit opening, for protection of UFH pipes up to 20mm in areas of expansion joints.



| Item no. | Dimension | s mm | l mm | b mm | Qty 2 | Qty 1 | UOM |
|----------------|--------------|---------|---------|---------|-------|-------|-----|
| 1000082 | 20mm 300x5mm | 5,0 | 300 | 80 | 10800 | 30 | pce |

Uponor Multi screed additive VD 450

- screed additive; improves screed quality
- for use with cementitious screed only
- enhances plastification and water retention
- Material consumption for 7 cm screed thickness: 0.2 l/m²
- Minimum screed covering: 30 mm at 2 kN/m² or 45 mm at 5 kN/m² if installed with Uponor insulation/system board for 5 kN/m²
- Curing time: 21 days



| Item no. | Dimension | Vol. l | DT d | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-----------|---------|-------|-------|-----|
| 1000084 | 20L | 20,00 | 21 | 480 | 20 | l |

Uponor Multi screed additive, fast dry VD 550 N

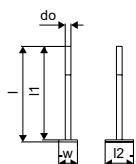
- screed additive; improves screed quality
- improves fast drying and early hardening
- for use with cementitious screed only
- Material consumption for 7 cm screed thickness: 0.2 l/m²
- Minimum screed covering: 30 mm at 2 kN/m² or 45 mm at 5 kN/m² if installed with Uponor insulation/system board for 5 kN/m²
- Curing time: 8 days



| Item no. | Dimension | Vol. l | DT d | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-----------|---------|-------|-------|-----|
| 1000085 | 25L | 25,00 | 8 | 600 | 25 | l |

Uponor Multi marking set

- markers for dampness measuring point in screeds
- 1pc per room
- self-adhesive, re mark



| Item no. | Dimension | l mm | l1 mm | l2 mm | do mm | w mm | Qty 1 | UOM |
|----------------|-----------|---------|----------|----------|----------|---------|-------|-----|
| 1000083 | 100mm | 102 | 100 | 30 | 6,1 | 20 | 10 | pce |

Uponor Multi

Uponor Multi anti-freeze agent ethylen

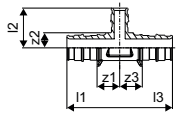
- ethylene glycol-based anti-freeze agent, for use as additive in radiant heating systems with Uponor pipes



| Item no. | Dimension | Vol. l | Qty 2 | Qty 1 | UOM |
|----------------|-------------|-----------|-------|-------|-----|
| 1005066 | ≥ -30°C 20l | 20,00 | 480 | 20 | l |

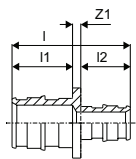
Uponor Q&E Supply = 20

Uponor Q&E tee



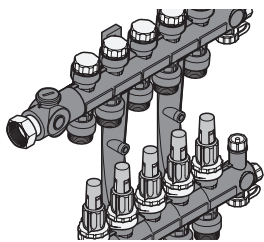
| Item no. | Dimension | l | l1 | l2 | z1 | z2 | z3 | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|----|----|----|----|----|-------|-------|-----|
| 1063932 | 20-14-20 | 39 | 29 | 39 | 17 | 11 | 17 | 6 | 2 | pce |

Uponor Q&E reducer



| Item no. | Dimension | l | l1 | l2 | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|----|----|----|-------|-------|-----|
| 1063933 | 20-14 | 43 | 22 | 18 | 3 | 12 | 2 | pce |

Uponor Vario PLUS



Uponor Vario PLUS is a high quality manifold made of glass fiber reinforced polyamide. It is created for underfloor heating and cooling applications for easy installation and highest reliability.

It is deliverable in flexible modules of 1, 3, 4 and 6 loops and corresponding fill/drain/ventilation sets or primary connection sets.

The secondary connectors allow the connection of all Uponor pipe dimensions which makes the manifold universal for Uponor underfloor heating and cooling systems.

Your benefits

- Modular manifold segments 1, 3, 4 and 6 loops available for assembling of flexible size of manifold circuits
- Also suitable for large heating / cooling surfaces in residential and commercial areas
- Compact installation combined with pump groups, Uponor control units and heat meter connection sets in Uponor cabinets
- Optional available with or without flow indicator



Specification

- Modular fibre glass reinforced polyamide manifold with 1,3,4,6 loops for connection with basic kit
- connection right or left with flat sealing or connection from below with optional elbowset
- supply with lockshield (LS) valve for balancing with adjusting ring or supply with Flowmeter (FM) for balancing
- shut-off and flow view
- adjusting ring for balancing without tools
- prepared places for room name labels
- return with valves and caps, prepared for actuators
- loop connection G $\frac{3}{4}$ " eurocone
- loop pitch 50 mm
- header pitch 225 mm

Actuator:

- NC (normally closed) = closes without power

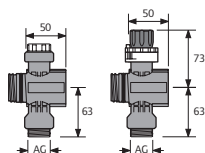
Application

- for underfloor heating and cooling
- combineable with actuators No. 1000138 (24V male) No. 1005605 (230V male)

Certification

- CE

Uponor Vario PLUS manifold w. valve



| Item no. | Dimension | outlets | | Qty 2 | Qty 1 | UOM |
|----------|--------------------------|---------|-------|-------|-------|------|
| | | p | l | | | |
| 1042420* | LS 1X $\frac{3}{4}$ Euro | 1 | 6 50 | 10 | 1 | pair |
| 1030580* | LS 3X $\frac{3}{4}$ Euro | 3 | 6 150 | 290 | 1 | pair |
| 1030581* | LS 4X $\frac{3}{4}$ Euro | 4 | 6 200 | 225 | 1 | pair |
| 1030582* | LS 6X $\frac{3}{4}$ Euro | 6 | 6 300 | 155 | 1 | pair |

Uponor Vario PLUS

Uponor Vario PLUS manifold flowmeter



| Item no. | Dimension | outlets | p | l | Qty 2 | Qty 1 | UOM |
|-----------------|--------------|---------|-----|-----|-------|-------|------|
| | | | bar | mm | | | |
| 1042471* | FM 1X ¾ Euro | 1 | 6 | 50 | 10 | 1 | pair |
| 1030583* | FM 3X ¾ Euro | 3 | 6 | 150 | 174 | 1 | pair |
| 1030584* | FM 4X ¾ Euro | 4 | 6 | 200 | 135 | 1 | pair |
| 1030585* | FM 6X ¾ Euro | 6 | 6 | 300 | 93 | 1 | pair |

Uponor Vario PLUS manifold kit

- Including brackets, flat sealing screw connection pieces with swivel nut, thermometer and end pieces with air vent, filling and draining tap and a by-pass



| Item no. | Dimension | l | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|-----|-------|-------|-----|
| | | mm | | | |
| 1009209* | K1 | 150 | 248 | 1 | pce |

Uponor Vario PLUS actuator NC

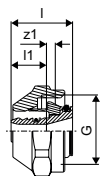
- open/closed indicator
 - operation at ambient temperature of up to +60°C
 - protection class: IP54



| Item no. | Dimension | d | AG | OV | P | h | Qty 2 | Qty 1 | UOM |
|----------------|---------------|----|--------|-----|------|----|-------|-------|-----|
| | | mm | mm | V | W | mm | | | |
| 1000138 | 24V MT30x1,5 | 40 | 30x1,5 | 24 | ~2 | 54 | 10 | 1 | pce |
| 1005605 | 230V MT30x1,5 | 40 | 30x1,5 | 230 | ~1,5 | 54 | 10 | 1 | pce |

Uponor Vario compression adapter PEX

- Eurocone
 - Brass



| Item no. | Dimension | l | l1 | G | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-----------------------|----|----|------|----|-------|-------|-----|
| | | mm | mm | inch | mm | | | |
| 1065283 | 14x2,0-G¾"FT Euro | 23 | 13 | ¾ | 3 | 25 | 1 | pce |
| 1065284 | 16x1,8/2,0-G¾"FT Euro | 23 | 13 | ¾ | 3 | 25 | 1 | pce |
| 1065286 | 17x2,0-G¾"FT Euro | 23 | 13 | ¾ | 3 | 25 | 1 | pce |
| 1065290 | 20x1,9/2,0-G¾"FT Euro | 24 | 14 | ¾ | 3 | 25 | 1 | pce |

Uponor Vario PLUS elbow connection



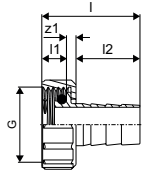
| Item no. | Dimension | AG | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|------|-------|-------|------|
| | | inch | | | |
| 1032702* | 122/42 | 1 | 5 | 1 | pair |

Uponor Vario PLUS

Uponor Vario PLUS hose connection



| Item no. | Dimension | l | l1 | l2 | z1 | Qty 2 | Qty 1 | UOM |
|----------------|---------------------------------|----|----|----|----|-------|-------|-----|
| | | mm | mm | mm | mm | | | |
| 1009214 | G $\frac{3}{4}$ x $\frac{1}{2}$ | 35 | 9 | 23 | 3 | 10 | 1 | pce |



Uponor Vario PLUS overflow valve

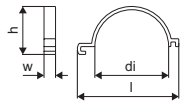
- Adjustable difference pressure regulation



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1046884 | 225mm | 640 | 1 | pce |

Uponor Vario PLUS distance set

- Manifold single segments for mixed loop connection from top and bottom



| Item no. | Dimension | l | h | w1 | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|-----|-----|----|-------|-------|-----|
| | | mm | mm | mm | | | |
| 1009215* | | 220 | 104 | 25 | 10 | 1 | pce |

Uponor Vario PLUS insulation kit

- Insulation thickness 19 mm, 0,038 W/mK
- Length 665 mm
- Fire classification BL-s3,do (EN 13501-1)



| Item no. | Dimension | Qty 1 | UOM |
|----------------|-----------|-------|-----|
| 1063207 | | 1 | set |

Uponor Vario PLUS valve tool

- Tool for mounting and de-mounting the valves



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1009216 | | 10 | 1 | pce |

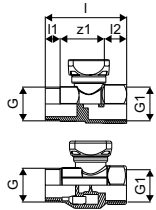
Uponor Vario PLUS

Uponor Vario balancing valve

- Balancing and shut-off of manifolds
- For zone control with Uponor actuator M³0x1.5mm MT
- Housing - brass
- Hand wheels - polyamide
- Max. test pressure 10 bar



| Item no. | Dimension | l | l1 | l2 | G | G1 | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|----|----|------|------|----|-------|-------|-----|
| | | mm | mm | mm | inch | inch | mm | | | |
| 1005100 | G1 - Rp1 | 80 | 15 | 22 | 1 | 1 | 44 | 10 | 1 | set |



Uponor Vario ball valve

- Made of brass nickel-plated
- For flat sealing vertical connection G1
- 60 mm + length of the manifold



| Item no. | Dimension | AG | IG | Qty 2 | Qty 1 | UOM |
|----------------|-----------|------|------|-------|-------|-----|
| | | inch | inch | | | |
| 1059132 | NP G1-G1 | 1 | 1 | 10 | 1 | set |

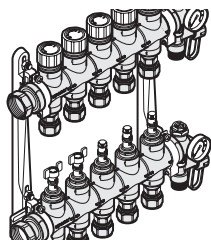
Uponor Vario PLUS flowmeter

- With shut-off function



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|-------|-------|-----|
| 1009217* | 4 l/min | 20 | 1 | pce |

Uponor Vario M



Uponor Vario M is a high quality manifold made of glass fiber reinforced polyamide. It is created for underfloor heating and cooling applications for easy installation and highest reliability.

The secondary G 3/4 euro cone connectors allow the connection of all Uponor pipe dimensions which makes the manifold universal for Uponor underfloor heating and cooling systems.

Your benefits

- Ready to install - pre-assembled bars with 2-15 circuits
- Easy to mount - flow and return 1/2 port offset against each other
- Flow indicators resistant against contamination, with interchangeable glass inserts
- Also suitable for large heating/cooling surfaces in residential and commercial areas
- Compact installation combined with pump groups, Uponor control units and heat meter connection sets in Uponor cabinets



Specification

- Made of fibre glass reinforced polyamid
- With integrated valves
- Connection right or left G1 with flat sealing
- Supply bar with flowmeter for balancing and shut-off
- Return bar with return valves and caps
- Integrated airvents and fill&drain points in supply and return
- Loop connection: G3/4" eurocone
- Loop pitch: 50 mm

Application

- For underfloor heating and cooling
- Max. pressure: 6 bar at 60°C
- Combineable with actuators No. 1013008 (24V) No. 1013006 (230 V)

Uponor Vario M manifold with flowmeter FM



| Item no. | Dimension | outlets | p | l | Qty 2 | Qty 1 | UOM |
|----------|---------------|---------|-----|-----|-------|-------|-----|
| | | | bar | mm | | | |
| 1085944 | 2X G3/4 Euro | 2 | 6 | 210 | 80 | 1 | pce |
| 1085945 | 3X G3/4 Euro | 3 | 6 | 260 | 80 | 1 | pce |
| 1085946 | 4X G3/4 Euro | 4 | 6 | 310 | 80 | 1 | pce |
| 1085947 | 5X G3/4 Euro | 5 | 6 | 360 | 80 | 1 | pce |
| 1085948 | 6X G3/4 Euro | 6 | 6 | 410 | 80 | 1 | pce |
| 1085949 | 7X G3/4 Euro | 7 | 6 | 460 | 80 | 1 | pce |
| 1085950 | 8X G3/4 Euro | 8 | 6 | 510 | 80 | 1 | pce |
| 1085951 | 9X G3/4 Euro | 9 | 6 | 560 | 80 | 1 | pce |
| 1085952 | 10X G3/4 Euro | 10 | 6 | 610 | 80 | 1 | pce |
| 1086250 | 11X G3/4 Euro | 11 | 6 | 700 | 108 | 1 | pce |
| 1086251 | 12X G3/4 Euro | 12 | 6 | 750 | 108 | 1 | pce |
| 1087129 | 13X G3/4 Euro | 13 | 6 | 800 | 30 | 1 | pce |
| 1087130 | 14X G3/4 Euro | 14 | 6 | 850 | 30 | 1 | pce |
| 1087131 | 15X G3/4 Euro | 15 | 6 | 900 | 30 | 1 | pce |

Uponor Vario M

Uponor Vario M manifold flowmeter

- Flowmeter for plastic manifold Vario M
- 0-5 l/min.
- with mechanical stop during opening/closing position



NEW

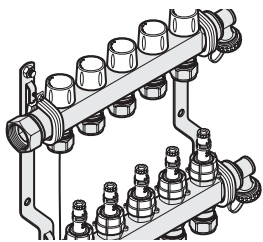
| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------|-----------|-------|-------|-----|
| 1121531 | 0-5l/min | 10 | 1 | pce |

Uponor Vario M bracket set



| Item no. | Dimension | Qty 1 | UOM |
|----------|-----------|-------|-----|
| 1087531 | | 1 | set |

Uponor Vario S



Uponor Vario S is a stainless steel manifold for underfloor heating in residential applications that provides easy installation with high reliability.

The secondary G 3/4 euro cone connectors allow the

connection of all Uponor pipe dimensions which makes the manifold universal for Uponor underfloor heating and cooling systems.

Your benefits

- Ready to install – pre-assembled bars with 2-16 heating circuits
- Also suitable for large heating surfaces in residential and commercial areas
- Compact installation combined with pump groups, Uponor control units and heat meter connection sets in Uponor cabinets
- Optional available with or without flow indicator



Specification

- Made of stainless steel
- With integrated valves
- Connection right or left with flat sealing supply
- With lockshield valve or flowmeter for balancing and shutoff
- Integrated airvents and fill&drain points in supply and return
- Loop connection G 3/4" eurocone
- Loop pitch 50 mm
- Header pitch 215 mm

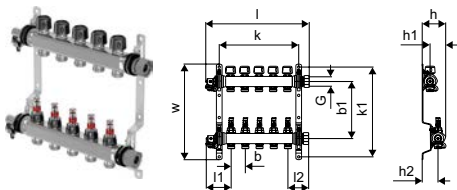
Application

- For underfloor heating and cooling
- Combineable with actuators 1013006 230V FT and 1013008 24V FT)
- Max. pressure: 6 bar at 60°C

Uponor Vario S

Uponor Vario S manifold FM

- Supply with flow meter for balancing and shutoff
- Return with valves and caps

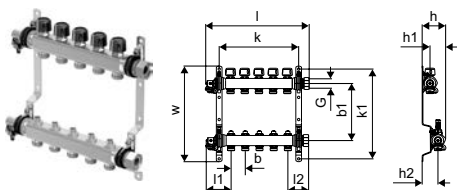


| Item no. | Dimension | outlets | l | l1 | l2 | G | G1 | b | b1 | h | h1 | h2 | k | k1 | w | p | Qty 2 | Qty 1 | UOM |
|----------|-----------|---------|-----|----|----|------|------|----|-----|----|----|----|-----|-----|-----|-----|-------|-------|-----|
| | | | mm | mm | mm | inch | inch | mm | mm | mm | mm | mm | mm | mm | mm | bar | | | |
| 1086538 | 2X¾ Euro | 2 | 210 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 135 | 336 | 357 | 6 | 108 | 1 | pce |
| 1086539 | 3x¾ Euro | 3 | 260 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 185 | 336 | 357 | 6 | 108 | 1 | pce |
| 1086540 | 4x¾ Euro | 4 | 310 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 235 | 336 | 357 | 6 | 108 | 1 | pce |
| 1086541 | 5x¾ Euro | 5 | 360 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 285 | 336 | 357 | 6 | 108 | 1 | pce |
| 1086542 | 6x¾ Euro | 6 | 410 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 335 | 336 | 357 | 6 | 72 | 1 | pce |
| 1086543 | 7X¾ Euro | 7 | 460 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 385 | 336 | 357 | 6 | 72 | 1 | pce |
| 1086544 | 8x¾ Euro | 8 | 510 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 435 | 336 | 357 | 6 | 72 | 1 | pce |
| 1086545 | 9x¾ Euro | 9 | 560 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 485 | 336 | 357 | 6 | 72 | 1 | pce |
| 1086546 | 10x¾ Euro | 10 | 610 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 535 | 336 | 357 | 6 | 48 | 1 | pce |
| 1086547 | 11x¾ Euro | 11 | 660 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 585 | 336 | 357 | 6 | 48 | 1 | pce |
| 1086548 | 12x¾ Euro | 12 | 710 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 635 | 336 | 357 | 6 | 48 | 1 | pce |
| 1088864 | 13x¾ Euro | 13 | 760 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 780 | 336 | 357 | 6 | 48 | 1 | pce |
| 1088865 | 14X¾ Euro | 14 | 810 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 830 | 336 | 357 | 6 | 36 | 1 | pce |
| 1088866 | 15x¾ Euro | 15 | 860 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 880 | 336 | 357 | 6 | 36 | 1 | pce |
| 1088867 | 16x¾ Euro | 16 | 910 | 87 | 73 | 1 | ¾ | 50 | 215 | 75 | 30 | 50 | 930 | 336 | 357 | 6 | 36 | 1 | pce |

Uponor Vario S

Uponor Vario S manifold LS

- Supply with lock shield valves for shutoff
- Return with valves for balancing and caps



| Item no. | Dimension | outlets | l | l1 | l2 | G | G1 | b | b1 | b2 | h | h1 | h2 | k | k1 | w | p | Qty 2 | Qty 1 | UOM |
|----------|------------------------|---------|-----|----|----|------|---------------|----|-----|-----|----|----|----|-----|-----|-----|-----|-------|-------|-----|
| | | | mm | mm | mm | inch | inch | mm | mm | mm | mm | mm | mm | mm | mm | mm | bar | | | |
| 1088045 | 2X $\frac{3}{4}$ Euro | 2 | 210 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 135 | 336 | 357 | 6 | 108 | 1 | pce |
| 1088046 | 3X $\frac{3}{4}$ Euro | 3 | 260 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 185 | 336 | 357 | 6 | 108 | 1 | pce |
| 1088047 | 4X $\frac{3}{4}$ Euro | 4 | 310 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 235 | 336 | 357 | 6 | 108 | 1 | pce |
| 1088048 | 5X $\frac{3}{4}$ Euro | 5 | 360 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 285 | 336 | 357 | 6 | 108 | 1 | pce |
| 1088049 | 6X $\frac{3}{4}$ Euro | 6 | 410 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 335 | 336 | 357 | 6 | 72 | 1 | pce |
| 1088050 | 7X $\frac{3}{4}$ Euro | 7 | 460 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 385 | 336 | 357 | 6 | 72 | 1 | pce |
| 1088051 | 8X $\frac{3}{4}$ Euro | 8 | 510 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 435 | 336 | 357 | 6 | 72 | 1 | pce |
| 1088052 | 9X $\frac{3}{4}$ Euro | 9 | 560 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 485 | 336 | 357 | 6 | 72 | 1 | pce |
| 1088053 | 10X $\frac{3}{4}$ Euro | 10 | 610 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 535 | 336 | 357 | 6 | 48 | 1 | pce |
| 1088054 | 11X $\frac{3}{4}$ Euro | 11 | 660 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 585 | 336 | 357 | 6 | 48 | 1 | pce |
| 1088055 | 12x $\frac{3}{4}$ Euro | 12 | 710 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 635 | 336 | 357 | 6 | 48 | 1 | pce |
| 1088868 | 13x $\frac{3}{4}$ Euro | 13 | 760 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 685 | 336 | 357 | 6 | 48 | 1 | pce |
| 1088869 | 14x $\frac{3}{4}$ Euro | 14 | 810 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 735 | 336 | 357 | 6 | 36 | 1 | pce |
| 1088870 | 15X $\frac{3}{4}$ Euro | 15 | 860 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 785 | 336 | 357 | 6 | 36 | 1 | pce |
| 1088871 | 16X $\frac{3}{4}$ Euro | 16 | 910 | 87 | 73 | 1 | $\frac{3}{4}$ | 50 | 215 | 215 | 75 | 30 | 50 | 835 | 336 | 357 | 6 | 36 | 1 | pce |

Uponor Vario S actuator NC

- open/closed indicator
- operation at ambient temperature of up to +60°C
- protection class: IP54
- compatible with both Vario S and Vario M



| Item no. | Dimension | d | IG | OV | P | h | Qty 2 | Qty 1 | UOM |
|----------|---------------|----|--------|-----|-------|----|-------|-------|-----|
| | | mm | mm | V | W | mm | | | |
| 1013008 | 24V FT30x1,5 | 40 | 30x1,5 | 24 | ~ 2 | 56 | 10 | 1 | pce |
| 1013006 | 230V FT30x1,5 | 40 | 30x1,5 | 230 | ~ 1,5 | 56 | 10 | 1 | pce |

Uponor Vario ball valve

- Made of brass nickel-plated
- For flat sealing vertical connection G1
- 60 mm + length of the manifold

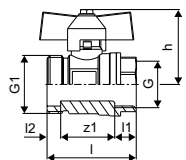


| Item no. | Dimension | AG | IG | Qty 2 | Qty 1 | UOM |
|----------|-----------|------|------|-------|-------|-----|
| | | inch | inch | | | |
| 1059132 | NP G1-G1 | 1 | 1 | 10 | 1 | set |

Uponor Vario S

Uponor Vario ball valve

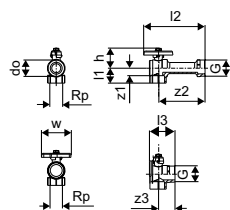
- Made of brass, nickel-plated



| Item no. | Dimension | l | l1 | l2 | l3 | G | G1 | z1 | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|----|----|----|------|------|----|-------|-------|-----|
| | | mm | mm | mm | mm | inch | inch | mm | | | |
| 1086558 | ¾-G1 | 51 | 12 | 8 | 43 | ¾ | 1 | 31 | 10 | 1 | set |

Uponor Vario ball valve elbow

- Made of brass, nickel-plated



| Item no. | Dimension | l1 | l2 | l3 | do | G | Rp | z1 | z2 | z3 | h | w | Qty 1 | UOM |
|----------------|-------------|----|----|----|----|------|------|----|----|----|----|----|-------|-----|
| | | mm | mm | mm | mm | inch | inch | mm | mm | mm | mm | mm | | |
| 1086559 | Rp ¾" - G1" | 31 | 95 | 94 | 33 | 1 | ¾ | 22 | 88 | 27 | 43 | 60 | 1 | set |

Uponor Vario S thermometer

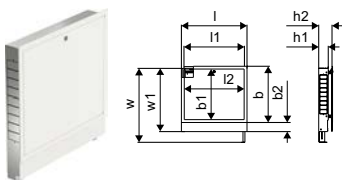


| Item no. | Dimension | di | do | h | Qty 2 | Qty 1 | UOM |
|----------------|-----------|----|----|----|-------|-------|-----|
| | | mm | mm | mm | | | |
| 1086537 | | 5 | 64 | 5 | 10 | 1 | set |

Uponor Vario Cabinets

Uponor Vario cabinet IW

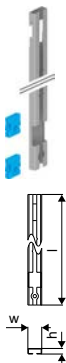
- Complete cabinet with frame and door for in-wall installation
- Depth: 110mm, extendable to 150mm
- Height adjustable: 730 - 930mm
- Floor construction height: max. 200mm
- Material: galvanized steel
- White powder coated frame and door (RAL 9016)
- Lockable door



| Item no. | Dimension | l mm | l1 mm | l2 mm | b mm | b1 mm | b2 mm | h1 mm | h2 mm | w mm | w1 mm | Qty 2 | Qty 1 | UOM |
|----------|----------------|---------|----------|----------|---------|----------|----------|----------|----------|---------|----------|-------|-------|-----|
| 1093473 | 550x730x110mm | 605 | 550 | 539 | 650 | 572 | 108 | 110 | 150 | 930 | 730 | 18 | 1 | pce |
| 1093474 | 700x730x110mm | 755 | 700 | 689 | 650 | 572 | 108 | 110 | 150 | 930 | 730 | 16 | 1 | pce |
| 1093475 | 850x730x110mm | 905 | 850 | 839 | 650 | 572 | 108 | 110 | 150 | 930 | 730 | 13 | 1 | pce |
| 1093476 | 1000x730x110mm | 1055 | 1000 | 989 | 650 | 572 | 108 | 110 | 150 | 930 | 730 | 12 | 1 | pce |
| 1093478 | 1300x730x110mm | 1355 | 1300 | 1289 | 650 | 572 | 108 | 110 | 150 | 930 | 730 | 8 | 1 | pce |

Uponor Vario rail with 5 dominos

- C-Rail for fixation of manifold
- with 5 dominos
- with bolts 6mm, screws, nuts and washers



| Item no. | Dimension | l mm | h mm | w mm | Qty 2 | Qty 1 | UOM |
|----------|-----------|---------|---------|---------|-------|-------|-----|
| 1093555 | | 577 | 10 | 25 | 200 | 1 | pce |

Uponor Vario dominos set

- For Vario Cabinets IW an OW

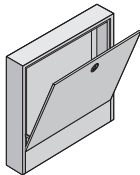


| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------|-----------|-------|-------|-----|
| 1093522 | (5pcs) | 200 | 1 | pce |

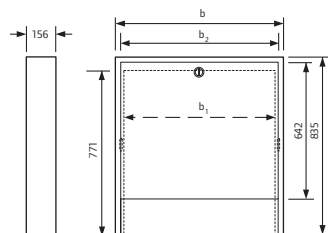
Uponor Vario Cabinets

Uponor Vario cabinet on-wall AP

- Made of galvanised steel
- Height-adjustable to floor construction: +/- 15 mm.
- Without rear board



| Item no. | Dimension | b mm | b1 mm | b2 mm | colour | Qty 2 | Qty 1 | UOM |
|----------------|------------|---------|----------|----------|----------|-------|-------|-----|
| 1045478 | 600x156mm | 600 | 532 | 540 | RAL 9016 | 11 | 1 | pce |
| 1045479 | 800x156mm | 800 | 732 | 740 | RAL 9016 | 10 | 1 | pce |
| 1045480 | 1000x156mm | 1000 | 932 | 940 | RAL 9016 | 9 | 1 | pce |
| 1045481 | 1350x156mm | 1350 | 1232 | 1290 | RAL 9016 | 8 | 1 | pce |

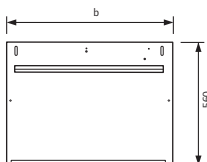


Uponor Vario cabinet rear board AP

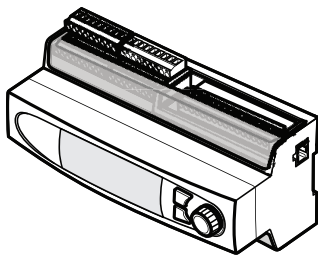
- Made of galvanised steel



| Item no. | Dimension | b mm | Qty 1 | UOM |
|----------------|-----------|---------|-------|-----|
| 1045485 | 1330mm | 1330 | 1 | pce |



Uponor Smatrix Move PRO



Uponor Smatrix Move PRO
It's a flexible, "installer-friendly" and versatile multi-zone supply water controller. Fits different scenarios covering indoor and outdoor applications, radiant heating and cooling, domestic hot

water, etc. with one single controller.

Two different applications available, depending on SD card inserted: Heating only or Heating and Cooling.

Integration with Smatrix Base PRO room controls possible.

BMS ready, via Modbus interface or R-147 KNX Gateway (together with Smatrix Base PRO only)



Specification

- multi-zone supply water temperature controls
- control up to 4 different supply water temperatures simultaneously
- intelligent auto heating/cooling changeover
- control snow/ice melting systems as well as turf heating
- integration with Smatrix Base PRO room controls possible
- optional connection to BMS via Modbus interface or R-147 KNX gateway (in combination with Smatrix Base PRO only)

Application

- supply water
- commercial buildings
- indoor and outdoor
- radiant heating and cooling
- domestic hot water
- heating only mode
- heating and cooling

Certification

- CE

Your benefits

- Multi application supply water temperature controller
- Control up to 4 different supply water temperatures simultaneously
- Intelligent auto heating/cooling switchover
- Selection of compensation modes
- Control snow/ice melting systems as well as turf heating

Uponor Smatrix Move PRO

Uponor Smatrix Move PRO supply cont. X-159

- multi-zone supply water controller
- managing indoor climate in commercial buildings
- radiant heating and cooling
- domestic hot water

Functions:

- heating, cooling and domestic hot water
- up to 4 heating zones or 3 heating and 1 cooling zones
- up to 2 snowmelt zones
- stand-alone operation (with wired sensors) or integrated in a Uponor Smatrix Base PRO system
- integrable in a BMS via ModBus or KNX interface
- easy installation and configuration
- micro SD card allows backups and setting cloning

Content:

- Uponor Smatrix Move PRO controller X-159
- heating only application package (micro SD card, stickers, instructions)
- heating and cooling application package (micro SD card, stickers, instructions)
- quick start and mounting instructions
- additional conformity: EAC
- communication protocols: Modbus-RTU (slave), Uponor Smatrix Base PRO bus
- operational voltage: 230V 50Hz / 125mA
- operating temperature: 0°C ... +50°C
- protection class: IP20
- ERP class: III (1.5%) / VII (3.5%) if room sensor used



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1087155* | | 230 | 213,5 | 93,3 | 90 | 10 | 1 | pce |

Uponor Smatrix Move PRO snowmelt set S-152 + S-158

- snowmelt set for Uponor Smatrix Move PRO controller X-159
- compatible with hydronic systems (0-10V modulating 3-way valve or 2-way valve heat exchanger)
- 3 operation states: stop, idle, meltaway
- 1 protection mode: security (avoid damage on heat exchanger)

Content:

- 3x Uponor Smatrix Move Sensor Supply/Return S-152
- 2x Uponor Smatrix Move PRO Sensor Snow&Ice S-158 (ground sensor and mounting socket)
- short instructions incl. wiring diagrams



| Item no. | Dimension | d mm | L m | h mm | Qty 1 | UOM |
|-----------------|-----------|---------|--------|---------|-------|-------|
| 1087158* | | | | | 1 | set |
| 1087156 | | 63 | 25 | 78 | 5 | 1 pce |

Uponor Smatrix Move PRO

Uponor Smatrix Move PRO room sensor S-155

- room sensor
- measures room temperature
- for indoor heating and cooling zones with indoor compensation
- 2-wire connection to Uponor Smatrix Move PRO controller X-159

- sensor type: NTC10
- temperature range: 0°C ... +60°C
- protection class: IP20



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1087159* | | 24 | 80 | 85 | 30 | 10 | 1 | pce |

Uponor Smatrix Move PRO humidity sensor S-157

- room sensor + RH
- measures relative humidity for dew point calculations
- for cooling only and heating and cooling zones
- 3-wire connection to Uponor Smatrix Move PRO controller X-159

- humidity range: 0-100% non-condensing
- accuracy: < 2% RH
- operating voltage: 24V / 50-60 Hz
- operating temperature: -10°C ... +50°C
- protection class: IP20



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1087160* | | 24 | 80 | 85 | 30 | 75 | 1 | pce |

Uponor Smatrix Move PRO condensation set S-159

- protects radiant cooling installations from condensation
- stops cooling functionality temporarily if dew-point control is insufficient
- needs to be connected to a Uponor Smatrix Move PRO controller X-159

Content:

- pipe-mounting moisture sensor
- converter
- short instruction incl. wiring diagrams

- operating voltage: 24V / 50-60 Hz
- protection class: IP20



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1087165* | | 24 | 85 | 60 | 36 | 10 | 1 | set |

Uponor Smatrix Move PRO

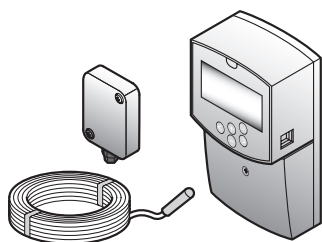
Uponor Smatrix Move actuator pro

- control signal: 0-10V
- compatible with 24V transformer (1048762) if 24V power supply is not available



| Item no. | Dimension | OV V | Qty 1 | UOM |
|----------|------------------|---------|-------|-----|
| 1002356 | A-15X 24V 0-10 V | 24 | 1 | pce |

Uponor Smatrix Move



Uponor Smatrix Move is an intelligent supply water temperature controller for heating systems. It optimises supply water temperature by adjusting the setpoint based on measured outdoor or indoor temperatures. A

choice of compensation modes is available to provide optimal performance and energy efficiency.

Your benefits

- Comfort and Eco programming schedule
- Real time status information
- Pump logic for both stand alone and in combination with Uponor room controls
- Optional secondary heating/hot water circuit control



Specification

- comfort and Eco programming schedule
- real time status information
- pump logic for both stand alone and in combination with Uponor room temperature controls
- multiple compensation modes
- optional: secondary heating/hot water circuit control
- optional: snowmelt add-on
- optional: condensation protection

Application

- supply water temperature control

Certification

- CE

Uponor Smatrix Move

Uponor Smatrix Move supply cont. X-157 Wired

- supply water temperature controller
- control mode: heating only
- control principle: outdoor temperature compensation

Functions:

- mixing valve activation
- weekly program with 9 pre-programmed schedules
- 4 freely programmable schedules
- pump logic as stand alone
- pump logic in combination with Uponor Smatrix Base or Wave controller
- real time information of supply, outdoor and room temperature
- real time information of mixing valve status
- real time information of current day shown in a graph (comfort and reduced temperature)

Options:

- DHW production and boiler control
- HW heating circuit
- up to 100°C supply water control
- 2 powered general purpose outputs
- 2 general purpose inputs
- security contact thermostat
- 230V mixer motor

Content:

- Uponor Smatrix Move controller H
- supply/return sensor
- outdoor sensor
- protection class: IP30 II
- color: dark grey



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1071693 | | 160 | 86 | 53 | 4 | 1 | set |

Uponor Smatrix Move PLUS antenna A-155 Radio

- sparepart antenna for Uponor Smatrix Move controller
- allows wireless connection to Uponor Smatrix Wave thermostats

Content:

- Uponor Smatrix Move antenna
- connection cable
- mounting material
- additional conformity: EAC



| Item no. | Dimension | Frequency MHz | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|------------------|---------|---------|---------|-------|-------|-----|
| 1071676* | | 868 | 200 | 23 | 15 | 21 | 1 | pce |

Uponor Smatrix Move

Uponor Smatrix Move supply/return sensor S-152

- supply/return sensor
- measures supply or return temperature
- sensor type: NTC 10 kΩ at 25 °C
- length: 3m
- protection class: IP68 II



| Item no. | Dimension | L m | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|-------|-------|-----|
| 1071661 | 3m | 3 | 63 | 1 | pce |

Uponor Smatrix outdoor sensor S-1XX

- measures outdoor temperature
- incl. mounting material
- can be combined with Uponor Smatrix Wave/Move controller
- optional wireless connection, if combined with Uponor Smatrix Wave Thermostat Public
- protection class: IP55
- sensor type: NTC 10kOhm at 25°C
- color: light grey



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|-------|-------|-----|
| 1071671* | | 45 | 1 | pce |

Uponor Smatrix relay module H/C M-1XX

- interface to a heating/cooling source
- switch over H/C between Uponor Smatrix and H/C source
- incl. socket for DIN rail mounting, manual, mounting material
- contact: 2 change-over (CO)
- Ucoil: 24VDC
- test voltage: 5kV
- protection class: IP40
- switching voltage: 380VAC, 125VDC
- switching current: 5A@250VAC, 5A@30VDC
- contact material: Ag+Au plated
- temperature range: -40°C...+70°C



| Item no. | Dimension | OV V | I mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1083576* | 24V | 24 | 85,5 | 16 | 70,5 | 84 | 1 | pce |

Uponor Smatrix Move

Uponor Smatrix relay module H/C M-1XX

- interface to a heating/cooling source
- switch over H/C between Uponor Smatrix and H/C source
- incl. socket for DIN rail mounting, manual, mounting material, wall box
- contact: 2 change-over (CO)
- Ucoil: 230VAC
- test voltage: 5kV
- protection class: IP40
- switching voltage: 380VAC, 125VDC
- switching current: 5A@250VAC, 5A@30VDC
- contact material: Ag+Au plated
- temperature range: -40°C...+70°C



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1083577* | 230V | 230 | 85,5 | 16 | 70,5 | 16 | 1 | pce |

Uponor Fluvia Move PLUS actuator 230V

- for pump groups MPG and CPG



| Item no. | Dimension | OV V | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|-------|-------|-----|
| 1119812 | | 230 | 10 | 1 | pce |

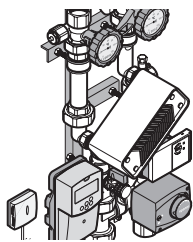
Uponor Smatrix Move mixer motor 3 point 230V

- 3-point control
- for Uponor Smatrix Move controller



| Item no. | Dimension | OV V | Qty 1 | UOM |
|----------------|-----------|---------|-------|-----|
| 1002357 | | 230 | 1 | pce |

Uponor Fluvia



Uponor Fluvia pump groups are complete preassembled and full proved units to be used as part of the supply system which supports UFH installations in residential and commercial buildings.

Fluvia pump groups includes

all components necessary for connection in to the pipe network. The functional control setting of the unit: weather compensated control of supply hot water temperature and optional control of supply cooling water temperature.

Your benefits

- Complete preassembled units: hydraulically full proved pipe network, electrically wired and full proved
- Well designed pump group include all necessary components
- Supply water control function by Uponor Smatrix Move control units
- With fixing brackets for mounting on the wall or in Uponor cabinets
- Fluvia Move pump groups can be easily operated via the Smatrix menu



Specification

- Pre-mounted
- Fluvia Move pump groups with supply temperature controller Uponor Smatrix Move
- Fluvia T can be installed with brackets left or right on the installation

Application

- Max. primary temperature: 90°C
- Max. secondary temperature: 55 - 60°C

Uponor Fluvia Push 12

Specification

- Integrated pump: Q: 0,1 – 0,4 m³/h, H: 0,2 – 1,1 m, Phyd< 1W
- Air bleed screw
- Balancing valve
- Secondary loop ¾" eurocone
- Primary valves with clamp connection for CU-pipe 15 mm

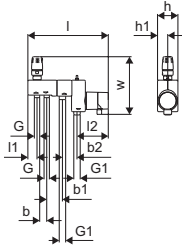
Application

- For control of UFH in small zones up to 35 m²
- Max. primary temperature: 90°C
- Max. secondary temperature: 55°C

Uponor Fluvia

Uponor Fluvia T pumpgroup Push-12 TH-G

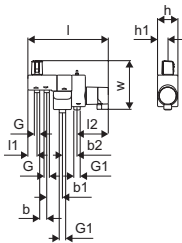
- Pumpgroup with thermostat 12-28°C
- Secondary max. temperature limiter by 50°C
- Room sensor head with capillary sensor



| Item no. | Dimension | l | l1 | l2 | G | G1 | b | b1 | b2 | h | h1 | w | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-----|----|-----|------|----|----|----|----|----|----|-----|-------|-------|-----|
| 1095127 | | 332 | 38 | 129 | CU15 | ¾ | 40 | 65 | 65 | 84 | 42 | 240 | 60 | 1 | pce |

Uponor Fluvia T pumpgroup Push-12 CH-G

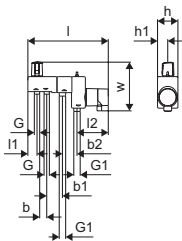
- With cartridge heater for UFH in summer mode
- Room temperature control by controller X-161
- Compatible to Uponor Smatrix Wave thermostats T-166, T-168 , T-169
- With safety sensor against overheating
- Secondary max. temperature limiter by 50°C



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1095131 | | 30 | 1 | pce |

Uponor Fluvia T pumpgroup Push-12 AC-G

- Pumpgroup with actuator 230 V and cable room sensor
- Secondary max. temperature limiter by 50°C

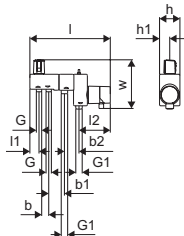


| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1095128 | | 60 | 1 | pce |

Uponor Fluvia

Uponor Fluvia T pumpgroup Push-12 WL-G

- Pumpgroup with actuator 230 V, wireless thermostat and wireless receiver
- Secondary max. temperature limiter by 60°C



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1095130 | | 60 | 1 | pce |

Uponor Fluvia Push 23

Specification

- Pump Grundfos: Q: 0,1 – 2,5 m³/h, H: 7 – 1,2m EEI ≤ 0.20
- Constant flow temperature control: 20-55°C
- with Thermometer
- with venting valve
- Easy filling by non-return valve
- In version Push-23-A-AC Uponor Smatrix Move flow temperature controller is installed

Application

- For connection to Uponor manifolds, installation with manifolds on-wall or in cabinets
- Max. primary temperature: 90°C
- Max. secondary temperature: 55°C

Uponor Fluvia T pumpgroup Push-23-B-W

- Maximal heat load: 10 kW
- kvs flow valve: 1,2 m³/h
- Water temperature and flow rates controlled by thermostat with capillary sensor



| Item no. | Dimension | Flow Rate | | OV V | P W | p bar | Q kW | b mm | b1 mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------------------------|-------------------|---------|--------|----------|---------|---------|----------|-------|-------|-----|
| | | kvs m ³ /h | m ³ /h | | | | | | | | | |
| 1078304 | | 0,1-2,5 | S 1,2 / R 2,7 | 230 | 52 | 6 | 10 | 70 | 225/215 | 55 | 1 | pce |

Uponor Fluvia

Uponor Fluvia MPG

Specification

- Pump Grundfos: Q: 0,1 – 2,5 m³/h, H: 7 – 1,2m EEI ≤ 0.20
- Can be connected directly to the Vario manifolds
- In version MPG-10-A-W Uponor Smatrix Move flow temperature controller and a 230V mixer motor is installed

Application

- Max. primary temperature: 90°C
- Max. secondary temperature: 60°C

Uponor Fluvia Move pumpgroup MPG-10-A-W

- Ball valve + balancing valve primary
- Secondary connection G1 (MT)
- For installation left or right of manifold



| Item no. | Dimension | Flow Rate m ³ /h | kvs m ³ /h | OV V | P W | p bar | b mm | b1 mm | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|--------------------------------|--------------------------|---------|--------|----------|---------|----------|-------|-------|-----|
| 1078306* | | 0,1-2,5 | 4,3 | 230 | 52 | 6 | 70 | 225/215 | 30 | 1 | pce |

Uponor Fluvia pumpgroup MPG-10-B-W

- Connection G1 (MT) secondary
- Ball valve+balancing valve primary
- For installation left or right of manifold



| Item no. | Dimension | Flow Rate m ³ /h | kvs m ³ /h | OV V | P W | p bar | b mm | b1 mm | Qty 2 | Qty 1 | UOM |
|-----------------|-----------|--------------------------------|--------------------------|---------|--------|----------|---------|----------|-------|-------|-----|
| 1078307* | | 0,1-2,5 | 4,3 | 230 | 52 | 6 | 70 | 225/215 | 30 | 1 | pce |

Uponor Fluvia

Uponor Fluvia Push CPG

Specification

- Central flow temperature control
- Insulation shells to minimize heat loss
- Optionally with integrated Smatrix Move flow temperature controller for the smooth adjustment of the flow temperature

Application

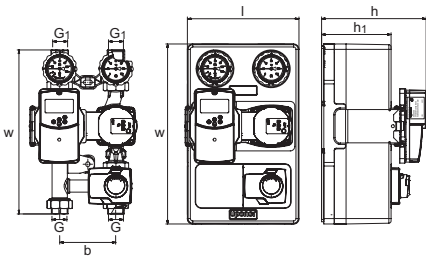
- Max. primary temperature: 90°C
- Max. secondary temperature: 60°C

Uponor Fluvia Move pumpgroup CPG-15-C-W

- For installation in central distribution room
- Nominal heat output: 15 kW
- Smatrix Move, 3-w-mixer and motor 230V
- Pump Wilo Para: Q: 0,1-2,5 m³/h, H: 6-2,4 m, EEI 0,17
- Primary connection Rp1 (FT)
- Secondary ball valves with thermometer, connection Rp1 (FT)



| Item no. | Dimension | l mm | G inch | G1 inch | b mm | h mm | h1 mm | w mm | w1 mm | kvs m³/h | p bar | Qty 2 | Qty 1 | UOM | |
|----------|-----------|---------|-----------|------------|---------|---------|----------|---------|----------|-------------|----------|-------|-------|-----|-----|
| 1119445 | | 248 | 1 | 1 | 125 | 232 | 154 | 365 | 400 | 2,5 | - 12 | 6 | 18 | 1 | pce |

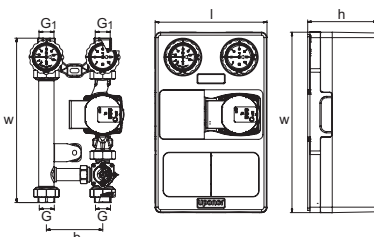


Uponor Fluvia pumpgroup CPG-15-D-W

- For installation in central distribution room
- Nominal heat output: 15 kW
- Pump Wilo Para: Q: 0,1-2,5 m³/h, H: 6-2,4 m, EEI 0,17
- Primary connection Rp1 (FT)
- Secondary ball valves with thermometer, connection Rp1 (FT)
- Uponor 3-way-mixer and Uponor Smatrix move controller can be adapted



| Item no. | Dimension | l mm | G inch | G1 inch | b mm | h mm | w mm | w1 mm | kvs m³/h | p bar | Qty 2 | Qty 1 | UOM | |
|----------|-----------|---------|-----------|------------|---------|---------|---------|----------|-------------|----------|-------|-------|-----|-----|
| 1119448 | | 248 | 1 | 1 | 125 | 154 | 365 | 400 | 2,5 | - 12 | 6 | 18 | 1 | pce |



Uponor Fluvia

Uponor Fluvia Move PLUS actuator 230V

- for pump groups MPG and CPG



| Item no. | Dimension | OV V | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|-------|-------|-----|
| 1119812 | | 230 | 10 | 1 | pce |

Uponor Fluvia Move PLUS pumpgroup EPG-6-A-W

- Necessary control accessories:
- Uponor Smatrix Thermostat T-168 (1071689)
- Uponor Smatrix Antenna (1071676)



| Item no. | Dimension | Flow Rate m ³ /h | kvs m ³ /h | OV V | P W | p bar | Q kW | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------------------------------|--------------------------|---------|--------|----------|---------|-------|-------|-----|
| 1078310 | | 0,1-2,5 | 7 | 230 | 45 | 6 | 1-6 | 8 | 1 | pce |

Uponor Smatrix Move actuator pro

- control signal: 0-10V
- compatible with 24V transformer (1048762) if 24V power supply is not available



| Item no. | Dimension | OV V | Qty 1 | UOM |
|----------------|------------------|---------|-------|-----|
| 1002356 | A-15X 24V 0-10 V | 24 | 1 | pce |

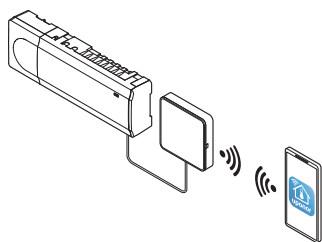
Uponor Smatrix Move mixer motor 3 point 230V

- 3-point control
- for Uponor Smatrix Move controller



| Item no. | Dimension | OV V | Qty 1 | UOM |
|----------------|-----------|---------|-------|-----|
| 1002357 | | 230 | 1 | pce |

Uponor Smatrix Wave / Style



The Smatrix Wave radio control system includes autobalancing technology as well as other energy-efficient features for radiant heating and cooling systems. Wave also enables remote control through the Smatrix App. The

end user has the ability to make changes remotely.

Your benefits

- Remote access possibility via Smatrix App
- No manual balancing required
- Fast installation, minimal wiring
- Simple intuitive end user control
- Wide range of energy efficiency features



Specification

- up to 4 controller in one system
- operating voltage: 230V
- autobalancing optimises energy use and comfort
- electric control
- supports up to 6 room thermostats and 8 actuators (24V) per controller
- pump and boiler relays
- valve and pump exercise
- relative humidity control
- combines underfloor heating/cooling and ceiling cooling control
- max. power input per actuator: 24VAC / 0.2A (0.4A peak)
- integrated heat pump module (only X-165)
- data cloning, logging, backup and updates via micro SD card (only X-165)

Smatrix Wave Pulse:

- local access (Wi-Fi) or remote access (internet connection required) via Uponor Smatrix Pulse App (with R-208)
- temporary wi-fi access point for direct access (if local wi-fi is not available) (with R-208)
- smart home ecosystem integration (Amazon Alexa, Google Home) (with R-208)
- multi-home control (with R-208)
- third-party access for remote support (user allowance required) (with R-208)
- history trend analysis via Uponor Smatrix Pulse app (with R-208)
- timer programming (with R-208)
- comfort settings (with R-208)
- supply diagnostics (with R-208)

Smatrix Wave:

- displays controller information and settings (with I-167)
- temperature setback programs for each channel (with I-167)
- max/min temperature limitations (with I-167)
- holiday settings (with I-167)
- automatic summer/winter change (with I-167)
- room bypass function (with I-167)
- system diagnostic (with I-167)
- trend visualization (set point vs. room temperature, etc.) (with I-167)
- accessories configuration (with I-167)
- local access (Wi-Fi) or remote access (internet connection required) via Uponor Smatrix App (with R-167)
- status and energy efficiency level information (with R-167)
- data logging for energy optimization or system maintenance (with R-167)

Application

- wireless room temperature control for radiant heating and cooling
- set point range: +5°C ... +35°C

Certification

- CE / EAC

Uponor Smatrix Wave / Style

Uponor Smatrix Wave starter set Pulse S

- ready-to-use carefree package with basic system setup for apartments
- extendable on demand
- compatible to Uponor Smatrix Wave controller Pulse X-265 6X
- protection class: Class II IP20
- color: white

Consisting of:

- 1x Uponor Smatrix Pulse com R-208
- 1x Uponor Smatrix Wave controller Pulse X-265 6X
- 3x Uponor Smatrix Wave thermostat D+RH Style T-169
- first step instructions, safety instructions
- mounting material



| Item no. | Dimension | OV V | Frequency MHz | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|------------------|-------|-------|-----|
| 1093284 | | 230 | 868 | 3 | 1 | set |

Uponor Smatrix Wave starter set Pulse L

- ready-to-use carefree package with basic system setup for single family homes
- extendable on demand
- compatible to Uponor Smatrix Wave controller Pulse X-265 6X
- protection class: Class II IP20
- color: white

Consisting of:

- 1x Uponor Smatrix Pulse com R-208
- 2x Uponor Smatrix Wave controller Pulse X-265 6X
- 5x Uponor Smatrix Wave thermostat D+RH Style T-169
- first step instructions, safety instructions
- mounting material



| Item no. | Dimension | OV V | Frequency MHz | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|------------------|-------|-------|-----|
| 1093287 | | 230 | 868 | 2 | 1 | set |

Uponor Smatrix Wave / Style

Uponor Smatrix Wave control set Pulse X-265+R-208 6X

- ready-to-use control set
- extendable on demand
- compatible to Uponor Smatrix Wave controller Pulse X-265 6X
- protection class: Class II IP20
- color: white

Consisting of:

- 1x Uponor Smatrix Pulse com R-208
- 1x Uponor Smatrix Wave controller Pulse X-265 6X
- first step instructions, safety instructions
- mounting material



| Item no. | Dimension | OV V | Frequency MHz | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|------------------|-------|-------|-----|
| 1093024 | | 230 | 868 | 3 | 1 | set |

Uponor Smatrix Pulse com R-208

- establishes connection between Uponor Smatrix Pulse system, Uponor Smatrix Pulse app and the Uponor cloud

compatible to:

- Uponor Smatrix Base controller Pulse X-245 Bus 6X
- Uponor Smatrix Wave controller Pulse X-265 6X
- power supply: RJ45 cable to Uponor Wave or Base controller Pulse
- ethernet interface: 10/100 Mbps (RJ45)
- ethernet protocols: Ethernet II
- protection class: Class II IP20
- color: white

Consisting of:

- Uponor Smatrix Pulse com R-208
- adaptor for DIN rail installations
- RJ45 connection cable (2m)
- first step instructions, safety instructions
- mounting material



| Item no. | Dimension | Frequency MHz | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|------------------|---------|---------|---------|-------|-------|-----|
| 1093030 | | 868 | 110 | 21 | 110 | 16 | 1 | pce |

Uponor Smatrix Wave / Style

Uponor Smatrix Wave controller Pulse X-265 6X

- compatible to Uponor Smatrix Wave controller Pulse X-265 6X
- protection class: Class II IP20
- color: white

Consisting of:

- Uponor Smatrix Wave controller Pulse X-265 6X
- Uponor Smatrix Wave antenna Pulse A-265
- first step instructions, safety instructions
- mounting material



| Item no. | Dimension | OV V | Frequency MHz | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|------------------|---------|---------|---------|-------|-------|-----|
| 1093021 | | 230 | 868 | 340 | 110 | 55 | 4 | 1 | pce |

Uponor Smatrix Wave slave module Pulse M-262 6X

- 6 channel slave module for Uponor Smatrix Wave controller Pulse X-265 6X
- supports up to 6 room thermostats and 6 actuators
- click-in installation
- protection class: IP20
- color: white



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1093133 | | 141 | 110 | 55 | 16 | 1 | pce |

Uponor Smatrix Wave antenna Pulse A-265

- sparepart antenna for Uponor Smatrix Wave controller Pulse X-265 6X
- cable length: 3m
- plug: RJ45
- color: white

Consisting of:

- Uponor SPI Smatrix Wave antenna Pulse A-265 (incl. fixed connection cable)
- mounting material



| Item no. | Dimension | Frequency MHz | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|------------------|---------|---------|---------|-------|-------|-----|
| 1093028 | | 868 | 30 | 110 | 9 | 16 | 1 | pce |

Uponor Smatrix Wave / Style

Uponor Smatrix Wave relay module M-161

- dual output receiver for Uponor Smatrix Wave controller or Uponor Smatrix Wave controller Pulse
- 2 potential free or live 230V 5A outputs
- pump / dehumidifier mode
- pump / H/C changeover mode
- boiler / chiller mode
- operating distance: max. 30m
- protection class: Class II IP30
- color: white

Consisting of:

- Uponor Smatrix Wave relay module M-161 2X
- power supply
- mounting material



| Item no. | Dimension | Frequency MHz | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------------|------|--------|-------|-------|-------|-----|
| 1071673 | 2X | 868 | 50 | 170,35 | 27,50 | 16 | 1 | pce |

Uponor Smatrix Wave thermostat D+RH Style T-169

- measures and displays the perceived room temperature and relative humidity
- color: white RAL 9016

Functions:

- heating or cooling demand indication
- RH measured value
- comfort / ECO indication
- ECO setback modification
- manual H/C switchover function
- cooling allowed function (room by room)
- displays celsius or fahrenheit
- operating modes: room temperature (RT), internal with floor max/min (RFT), remote sensor (RS), remote outdoor (RO)
- low battery indication
- temperature calibration
- optional: floor, remote or outdoor sensor can be connected

Consisting of:

- Uponor Smatrix Wave thermostat D+RH Style T-169
- 1x CR2032 battery
- mounting material



| Item no. | Dimension | Frequency MHz | l mm | b mm | d mm | uPoints | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------------|------|------|------|---|-------|-------|-----|
| 1087816 | | 868 | 80 | 80 | 9 |  100 | 180 | 1 | pce |

Uponor Smatrix Wave / Style

Uponor Smatrix Wave thermostat D+RH Style T-169

- measures and displays the perceived room temperature and relative humidity
- color: black

Functions:

- heating or cooling demand indication
- RH measured value
- comfort / ECO indication
- ECO setback modification
- manual H/C switchover function
- cooling allowed function (room by room)
- displays celsius or fahrenheit
- operating modes: room temperature (RT), internal with floor max/min (RFT), remote sensor (RS), remote outdoor (RO)
- low battery indication
- temperature calibration
- optional: floor, remote or outdoor sensor can be connected

Consisting of:

- Uponor Smatrix Wave thermostat D+RH Style T-169
- 1x CR2032 battery
- mounting material



| Item no. | Dimension | Frequency MHz | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------------|------|------|------|-------|-------|-----|
| 1087817 | BLACK | 868 | 80 | 80 | 9 | 180 | 1 | pce |

Uponor Smatrix Wave room sensor RH Style T-161

- room temperature and relative humidity sensor (flush mounted)
- operating distance: max. 30m
- protection class: IP30
- color: white RAL9016

Content:

- Uponor Smatrix Wave room sensor+RH Style T-161
- 1x CR2032 battery
- mounting material



| Item no. | Dimension | Frequency MHz | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------------|------|------|------|-------|-------|-----|
| 1087815 | | 868 | 55 | 55 | 9 | 180 | 1 | pce |

Uponor Smatrix Wave / Style

Uponor Smatrix Wave thermostat P+RH T-168

- measures and displays the perceived room temperature and relative humidity
- color: white glossy

Functions:

- heating or cooling demand indication
- RH limit indication
- individual night setback
- set time start up wizard
- 6 pre-programmed schedules
- 1 freely programmable schedule
- manual H/C changeover function (available with Uponor Smatrix Move only)
- cooling allowed function (room by room)
- displays celsius or fahrenheit
- operating modes: room temperature (RT), internal with floor max/min (RFT), remote sensor (RS), remote outdoor (RO)
- backlight (dims 10 seconds after last button event)
- displays software version (on power-up)
- low battery indication
- compatibility with Smatrix Move Controller H/C Radio C-157
- optional: floor or outdoor sensor can be connected

Consisting of:

- Uponor Smatrix Wave thermostat prog.+RH T-168
- 2x AAA batteries
- mounting material



| Item no. | Dimension | Frequency MHz | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|------------------|---------|---------|---------|-------|-------|-----|
| 1086984 | RAL9016 | 868 | 80 | 80 | 26,5 | 75 | 1 | pce |

Uponor Smatrix Wave / Style

Uponor Smatrix Wave thermostat D T-166

- measures and displays the perceived room temperature
- operating distance: max. 30m
- protection class: IP30
- color: white glossy

Functions:

- heating or cooling demand indication
- manual H/C changeover function (available with Uponor Smatrix Move only)
- cooling allowed function (room by room)
- displays celsius or fahrenheit
- operating modes: room temperature (RT), internal with floor max/min (RFT), remote sensor (RS), remote outdoor (RO)
- low battery indication
- mode reception from timer
- night set back
- display with backlight (dims 10 seconds after last button event)
- displays software version (on power-up)
- compatibility with Uponor Smatrix Move controller H/C Radio C-157
- optional: floor sensor can be connected

Consisting of:

- Uponor Smatrix Wave thermostat digital T-166
- 2x AAA batteries
- mounting material



| Item no. | Dimension | Frequency MHz | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------------|------|------|------|-------|-------|-----|
| 1086982 | RAL9016 | 868 | 80 | 80 | 26,5 | 75 | 1 | pce |

Uponor Smatrix Wave thermostat standard T-165 POD

- measures perceived room temperature
- protection class: IP30
- color: white glossy

Functions:

- light indication behind dial after changing the set point
- heating/cooling demand indication
- dip switch to enable/disable timer function if timer installed
- optional: enable/disable timer function

Consisting of:

- Uponor Smatrix Wave thermostat standard T-165 POD
- 2x AAA batteries
- mounting material



| Item no. | Dimension | Frequency MHz | l mm | b mm | h mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------------|------|------|------|-------|-------|-----|
| 1086981 | RAL9016 | 868 | 80 | 80 | 26,5 | 75 | 1 | pce |

Uponor Smatrix Wave / Style

Uponor Smatrix Wave thermostat public T-163

- measures perceived room temperature
- operating distance: max. 30m
- color: white glossy

Functions:

- potentiometer on rear side to adjust setpoint temperature
- tamper detector
- dry contact input for forced ECO via e.g. SMS module or BMS
- dry contact input for heating/cooling changeover
- dip switch for function/sensor selection
- optional: floor, outdoor or remote sensor can be connected

Consisting of:

- Uponor Smatrix Wave thermostat public T-163
- 2x AAA batteries
- mounting material



| Item no. | Dimension | Frequency MHz | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------------|------|------|------|-------|-------|-----|
| 1086979 | RAL9016 | 868 | 80 | 80 | 26,5 | 75 | 1 | pce |

Uponor Smatrix wallframe T-X A-1XX

- wallframe for Uponor Smatrix thermostats
- color: white glossy (RAL9016)



| Item no. | Dimension | l mm | h mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|------|------|------|-------|-------|-----|
| 1086986 | RAL9016 | 90 | 90 | 2,1 | 250 | 1 | pce |

Uponor Smatrix floor/remote sensor S-1XX

- Can be combined with Uponor Smatrix Wave/Base (Pro) thermostats
- Can be combined with T-27 thermostat 1120075
- Can be used as floor or remote sensor
- Length: 3m
- Sensor type: NTC 10kOhm at 25oC



| Item no. | Dimension | L m | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-----|-------|-------|-----|
| 1071684 | | 3 | 63 | 1 | pce |

Uponor Smatrix Wave / Style

Uponor Smatrix relay module H/C M-1XX

- interface to a heating/cooling source
- switch over H/C between Uponor Smatrix and H/C source
- incl. socket for DIN rail mounting, manual, mounting material
- contact: 2 change-over (CO)
- Ucoil: 24VDC
- test voltage: 5kV
- protection class: IP40
- switching voltage: 380VAC, 125VDC
- switching current: 5A@250VAC, 5A@30VDC
- contact material: Ag+Au plated
- temperature range: -40°C...+70°C



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1083576 | 24V | 24 | 85,5 | 16 | 70,5 | 84 | 1 | pce |

Uponor Smatrix relay module H/C M-1XX

- interface to a heating/cooling source
- switch over H/C between Uponor Smatrix and H/C source
- incl. socket for DIN rail mounting, manual, mounting material, wall box
- contact: 2 change-over (CO)
- Ucoil: 230VAC
- test voltage: 5kV
- protection class: IP40
- switching voltage: 380VAC, 125VDC
- switching current: 5A@250VAC, 5A@30VDC
- contact material: Ag+Au plated
- temperature range: -40°C...+70°C



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1083577 | 230V | 230 | 85,5 | 16 | 70,5 | 16 | 1 | pce |

Uponor Smatrix Wave / Style

Uponor Smatrix actuator retrofit set A-XXX

- 24V actuator retrofit set
 - incl. 3 bayonet manifold valve adaptor rings, mounting instructions
 - interface between existing third-party manifolds and Uponor Smatrix control system
 - compatible to 80% of existing third-party manifolds
 - open/closed indicator
 - NC (normally closed) = closes without power
 - first open function
 - Autobalancing functionality for new and retrofit installations
 - temperature range: 0°C...60°C
 - height: 58mm + adaptor ring
 - color: blue
- adaption list can be found at: www.uponor.com/download-centre
- stroke length: 5mm
 - connection cable: 2x 0.75mm² x 1m
 - Ucoil: 24V/50Hz
 - Pcoil: 1W
 - diameter: 44.3mm



| Item no. | Dimension | d mm | OV V | P W | h mm | Qty 2 | Qty 1 | UOM |
|----------------|-------------|---------|---------|--------|---------|-------|-------|-----|
| 1083575 | 24V, NC, 1W | 44 | 24 | ~ 1 | 58 | 100 | 1 | set |

Uponor Vario PLUS actuator NC

- open/closed indicator
- operation at ambient temperature of up to +60°C
- protection class: IP54



| Item no. | Dimension | d mm | AG mm | OV V | P W | h mm | Qty 2 | Qty 1 | UOM |
|----------------|--------------|---------|----------|---------|--------|---------|-------|-------|-----|
| 1000138 | 24V MT30x1,5 | 40 | 30x1,5 | 24 | ~2 | 54 | 10 | 1 | pce |

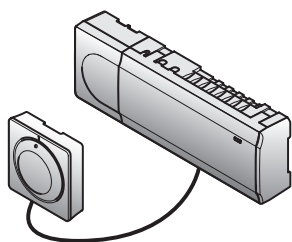
Uponor Vario S actuator NC

- open/closed indicator
- operation at ambient temperature of up to +60°C
- protection class: IP54
- compatible with both Vario S and Vario M



| Item no. | Dimension | d mm | IG mm | OV V | P W | h mm | Qty 2 | Qty 1 | UOM |
|----------------|--------------|---------|----------|---------|--------|---------|-------|-------|-----|
| 1013008 | 24V FT30x1,5 | 40 | 30x1,5 | 24 | ~ 2 | 56 | 10 | 1 | pce |

Uponor Smatrix Base / Style



Uponor Smatrix Base, featuring autobalancing technology, is an easy to use, intelligent room control system. Autobalancing optimises energy use and comfort by constantly monitoring and adapting

the system to changing demands. A further advantage is the choice of wiring options adding flexibility and speed to an installation.

Your benefits

- Can be used for both radiant heating and cooling
- No manual balancing required
- Fast installation
- Simple end user control
- Low maintenance



Specification

- up to 4 controller in one system
- operating voltage: 230V
- autobalancing optimises energy use and comfort
- electric control
- supports up to 6 room thermostats and 8 actuators (24V) per controller
- pump and boiler relays
- valve and pump exercise
- relative humidity control
- different wiring options (daisy chain / star)
- 4-wire Bus installation
- communication protocol: RS485 serial bus
- max. power input per actuator: 24VAC / 0.2A (0.4A peak)

Smatrix Base Pulse:

- local access (Wi-Fi) or remote access (internet connection required) via Uponor Smatrix Pulse App (with R-208)
- temporary wi-fi access point for direct access (if local wi-fi is not available) (with R-208)
- smart home ecosystem integration (Amazon Alexa, Google Home) (with R-208)
- multi-home control (with R-208)
- third-party access for remote support (user allowance required) (with R-208)
- history trend analysis via Uponor Smatrix Pulse app (with R-208)
- timer programming (with R-208)
- comfort settings (with R-208)
- supply diagnostics (with R-208)

Application

- wired room temperature control for radiant heating and cooling
- set point range: +5°C ... +35°C

Certification

- CE / EAC

Uponor Smatrix Base / Style

Uponor Smatrix Base starter set Pulse S

- ready-to-use carefree package with basic system setup for apartments
- extendable on demand
- compatible to Uponor Smatrix Base controller Pulse X-245 Bus 6X
- protection class: Class II IP20
- color: white

Consisting of:

- 1x Uponor Smatrix com Pulse R-208
- 1x Uponor Smatrix Base controller Pulse X-245 Bus 6X
- 3x Uponor Smatrix Base thermostat D+RH Style T-149 Bus
- first step instructions, safety instructions
- mounting material



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1093280 | | 3 | 1 | set |

Uponor Smatrix Base starter set Pulse L

- ready-to-use carefree package with basic system setup for single family homes
- extendable on demand
- compatible to Uponor Smatrix Base controller Pulse X-245 Bus 6X
- protection class: Class II IP20
- color: white

Consisting of:

- 1x Uponor Smatrix com Pulse R-208
- 2x Uponor Smatrix Base controller Pulse X-245 Bus 6X
- 5x Uponor Smatrix Base thermostat D+RH Style T-149 Bus
- first step instructions, safety instructions
- mounting material



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1093282 | | 2 | 1 | set |

Uponor Smatrix Base / Style

Uponor Smatrix Base control set Pulse X-245+R-208 6X

- ready-to-use control set
- extendable on demand
- compatible to Uponor Smatrix Base controller Pulse X-245 Bus 6X
- protection class: Class II IP20
- color: white

Consisting of:

- 1x Uponor Smatrix Pulse com R-208
- 1x Uponor Smatrix Base controller Pulse X-245 Bus 6X
- first step instructions, safety instructions
- mounting material



| Item no. | Dimension | OV V | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|-------|-------|-----|
| 1093019 | | 230 | 3 | 1 | set |

Uponor Smatrix Pulse com R-208

- establishes connection between Uponor Smatrix Pulse system, Uponor Smatrix Pulse app and the Uponor cloud

compatible to:

- Uponor Smatrix Base controller Pulse X-245 Bus 6X
- Uponor Smatrix Wave controller Pulse X-265 6X
- power supply: RJ45 cable to Uponor Wave or Base controller Pulse
- ethernet interface: 10/100 Mbps (RJ45)
- ethernet protocols: Ethernet II
- protection class: Class II IP20
- color: white

Consisting of:

- Uponor Smatrix Pulse com R-208
- adaptor for DIN rail installations
- RJ45 connection cable (2m)
- first step instructions, safety instructions
- mounting material



| Item no. | Dimension | Frequency MHz | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|------------------|---------|---------|---------|-------|-------|-----|
| 1093030 | | 868 | 110 | 21 | 110 | 16 | 1 | pce |

Uponor Smatrix Base / Style

Uponor Smatrix Base controller Pulse X-245 BUS 6X

- compatible to Uponor Smatrix Base controller Pulse X-245 Bus 6X
- protection class: Class II IP20
- color: white

Consisting of:

- Uponor Smatrix Base controller Pulse X-245 Bus 6X
- first step instructions, safety instructions
- mounting material



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1093017 | | 230 | 340 | 110 | 55 | 4 | 1 | pce |

Uponor Smatrix Base slave module Pulse M-242 BUS 6X

- 6 channel slave module for Uponor Smatrix Base controller Pulse X-245 Bus 6X
- supports up to 6 room thermostats and 6 actuators
- click-in installation
- protection class: IP20
- color: white



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1093134 | | 141 | 110 | 55 | 16 | 1 | pce |

Uponor Smatrix Base star module Pulse M-243 BUS 6X

- 6 channel star module for Uponor Smatrix Base controller Pulse X-245 Bus 6X
- flexible wiring approaches possible (star topology)
- supports up to 6 room thermostats
- protection class: IP20
- color: white



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1093135 | | 141 | 110 | 55 | 16 | 1 | pce |

Uponor Smatrix Base / Style

Uponor Smatrix Base thermostat D+RH Style T-149 Bus

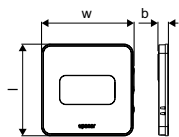
- measures and displays the perceived room temperature and relative humidity
- protection class: IP30
- color: white RAL9016

Functions:

- heating or cooling demand indication
- RH measured value
- comfort / ECO indication
- ECO setback modification
- manual H/C switchover function
- cooling allowed function (room by room)
- displays celsius or fahrenheit
- operating modes: room temperature (RT), internal with floor max/min (RFT), remote sensor (RS), remote outdoor (RO)
- temperature calibration
- optional: floor sensor can be connected

Consisting of:

- Uponor Smatrix Base thermostat D+RH Style T-149 Bus
- mounting material



| Item no. | Dimension | l mm | b mm | w mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1087813 | | 80 | 9 | 81 | 180 | 1 | pce |

Uponor Smatrix Base / Style

Uponor Smatrix Base thermostat D+RH Style T-149 Bus

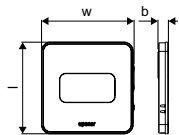
- measures and displays the perceived room temperature and relative humidity
- protection class: IP30
- color: black

Functions:

- heating or cooling demand indication
- RH measured value
- comfort / ECO indication
- ECO setback modification
- manual H/C switchover function
- cooling allowed function (room by room)
- displays celsius or fahrenheit
- operating modes: room temperature (RT), internal with floor max/min (RFT), remote sensor (RS), remote outdoor (RO)
- temperature calibration
- optional: floor sensor can be connected

Consisting of:

- Uponor Smatrix Base thermostat D+RH T-149 Bus
- mounting material



| Item no. | Dimension | l mm | w mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|-------|-------|-----|
| 1087814 | BLACK | 80 | 81 | 180 | 1 | pce |

Uponor Smatrix Base PRO room sensor RH Style T-141 Bus

- room temperature and relative humidity sensor (flush mounted)
- protection class: IP30
- color: white RAL9016

Consisting of:

- Uponor Smatrix Base PRO room sensor+RH Style T-141 Bus
- mounting material



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1087812 | FLUSH | 55 | 55 | 9 | 180 | 1 | pce |

Uponor Smatrix Base / Style

Uponor Smatrix Base wallframe T-141

- Wallframe for Sensor RH Style T-141 1087812
- Wallframe for Thermostat T-144 1086973
- Color: white RAL9016



NEW

| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1122237 | | 81,5 | 81,5 | 10,6 | 20 | 1 | pce |

Uponor Smatrix Base thermostat P+RH T-148 Bus

- measures and displays the perceived room temperature and relative humidity
- protection class: IP30
- color: white glossy

Functions:

- heating or cooling demand indication
- RH limit indication
- individual night setback
- set time start up wizard
- 6 pre-programmed schedules
- 1 freely programmable schedule
- cooling allowed function (room by room)
- displays celsius or fahrenheit
- operating modes: room temperature (RT), internal with floor max/min (RFT), remote sensor (RS), remote outdoor (RO)
- display with backlight (dims 10 seconds after last button event)
- displays software version (on power-up)
- optional: floor or outdoor sensor can be connected

Consisting of:

- Uponor Smatrix Base thermostat Prog.+RH T-148 Bus
- mounting material



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1086977 | RAL9016 | 80 | 80 | 26,5 | 75 | 1 | pce |

Uponor Smatrix Base / Style

Uponor Smatrix Base thermostat D T-146 Bus

- measures and displays the perceived room temperature
- protection class: IP30
- color: white glossy

Functions:

- heating or cooling demand indication
- cooling allowed function (room by room)
- displays celsius or fahrenheit
- operating modes: room temperature (RT), internal with floor max/min (RFT), remote sensor (RS), remote outdoor (RO)
- mode reception from timer
- night set back
- backlight (dims 10 seconds after last button event)
- displays software version (on power-up)
- optional: floor sensor can be connected

Consisting of:

- Uponor Smatrix Base thermostat digital T-146 Bus
- mounting material



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1086976 | RAL9016 | 80 | 80 | 26,5 | 75 | 1 | pce |

Uponor Smatrix Base thermostat standard T-145 Bus POD

- measures perceived room temperature
- protection class: IP30
- color: white glossy

Functions:

- light indication behind dial after changing the set point
- heating/cooling demand indication
- dip switch to enable/disable timer function if timer installed
- optional: enable/disable timer function

Consisting of:

- Uponor Smatrix Base thermostat standard T-145 Bus POD
- mounting material



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1086975 | RAL9016 | 80 | 80 | 26,5 | 75 | 1 | pce |

Uponor Smatrix Base / Style

Uponor Smatrix Base thermostat flush T-144 Bus

- measures perceived room temperature
- designed for in-wall box installation including frame
- different frames can be used for installation in a switch rail frame
- protection class: IP30
- color: white glossy

Functions:

- heating/cooling demand indication
- dip switch to enable/disable timer function if timer installed

Consisting of:

- Uponor Smatrix Base thermostat flush T-144 Bus
- mounting material
- outer frame



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1086973 | RAL9016 | 81,5 | 81,5 | 41,7 | 60 | 1 | pce |

Uponor Smatrix Base thermostat public T-143 Bus

- measures perceived room temperature
- protection class: IP30
- color: white glossy

Functions:

- potentiometer on rear side to adjust setpoint temperature
- tamper detector
- dry contact input for forced ECO via e.g. SMS module or BMS
- dry contact input for heating/cooling changeover
- dip switch for function/sensor selection
- optional: floor, outdoor or remote sensor can be connected

Consisting of:

- Uponor Smatrix Base thermostat public T-143 Bus
- mounting material



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1086972 | RAL9016 | 80 | 80 | 26,5 | 75 | 1 | pce |

Uponor Smatrix Base / Style

Uponor Smatrix floor/remote sensor S-1XX

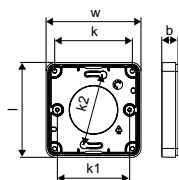
- Can be combined with Uponor Smatrix Wave/Base (Pro) thermostats
- Can be combined with T-27 thermostat 1120075
- Can be used as floor or remote sensor
- Length: 3m
- Sensor type: NTC 10kOhm at 25oC



| Item no. | Dimension | L m | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|-------|-------|-----|
| 1071684 | | 3 | 63 | 1 | pce |

Uponor Smatrix Base wallframe Style T-149 A-14X

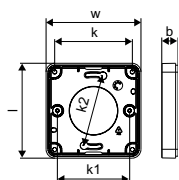
- T-149 surface adaptor for on-wall installation
- incl. mounting material
- color: white RAL9016



| Item no. | Dimension | l mm | b mm | k mm | k1 mm | k2 mm | w mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|----------|----------|---------|-------|-------|-----|
| 1087821 | | 79 | 14 | 65 | 60 | 60 | 79 | 90 | 1 | pce |

Uponor Smatrix Base wallframe Style T-149 A-14X

- T-149 surface adaptor for on-wall installation
- incl. mounting material
- color: black



| Item no. | Dimension | l mm | b mm | k mm | k1 mm | k2 mm | w mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|----------|----------|---------|-------|-------|-----|
| 1087822 | BLACK | 79 | 14 | 65 | 60 | 60 | 79 | 90 | 1 | pce |

Uponor Smatrix wallframe T-X A-1XX

- wallframe for Uponor Smatrix thermostats
- color: white glossy (RAL9016)



| Item no. | Dimension | l mm | h mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1086986 | RAL9016 | 90 | 90 | 2,1 | 250 | 1 | pce |

Uponor Smatrix Base / Style

Uponor Smatrix Base bus cable A-145

- 4-wire bus cable allows to connect Uponor Smatrix Base / Base PRO devices
- 2 wires for power supply / 2 wires for data transmission
- shielding: aluminium/polyester foil with tracer strand
- temperature range: -20°C ... +80°C
- cross section: AWG22
- sheath: PVC
- rated voltage: 400VAC/DC



| Item no. | Dimension | L m | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|-------|-------|-----|
| 1071670 | 50m | 50 | 2 | 1 | pce |

Uponor Smatrix relay module H/C M-1XX

- interface to a heating/cooling source
- switch over H/C between Uponor Smatrix and H/C source
- incl. socket for DIN rail mounting, manual, mounting material
- contact: 2 change-over (CO)
- Ucoil: 24VDC
- test voltage: 5kV
- protection class: IP40
- switching voltage: 380VAC, 125VDC
- switching current: 5A@250VAC, 5A@30VDC
- contact material: Ag+Au plated
- temperature range: -40°C...+70°C



| Item no. | Dimension | OV V | I mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1083576 | 24V | 24 | 85,5 | 16 | 70,5 | 84 | 1 | pce |

Uponor Smatrix relay module H/C M-1XX

- interface to a heating/cooling source
- switch over H/C between Uponor Smatrix and H/C source
- incl. socket for DIN rail mounting, manual, mounting material, wall box
- contact: 2 change-over (CO)
- Ucoil: 230VAC
- test voltage: 5kV
- protection class: IP40
- switching voltage: 380VAC, 125VDC
- switching current: 5A@250VAC, 5A@30VDC
- contact material: Ag+Au plated
- temperature range: -40°C...+70°C



| Item no. | Dimension | OV V | I mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1083577 | 230V | 230 | 85,5 | 16 | 70,5 | 16 | 1 | pce |

Uponor Smatrix Base / Style

Uponor Smatrix actuator retrofit set A-XXX

- 24V actuator retrofit set
 - incl. 3 bayonet manifold valve adaptor rings, mounting instructions
 - interface between existing third-party manifolds and Uponor Smatrix control system
 - compatible to 80% of existing third-party manifolds
 - open/closed indicator
 - NC (normally closed) = closes without power
 - first open function
 - Autobalancing functionality for new and retrofit installations
 - temperature range: 0°C...60°C
 - height: 58mm + adaptor ring
 - color: blue
- adaption list can be found at: www.uponor.com/download-centre
- stroke length: 5mm
 - connection cable: 2x 0.75mm² x 1m
 - Ucoil: 24V/50Hz
 - Pcoil: 1W
 - diameter: 44.3mm



| Item no. | Dimension | d mm | OV V | P W | h mm | Qty 2 | Qty 1 | UOM |
|----------------|-------------|---------|---------|--------|---------|-------|-------|-----|
| 1083575 | 24V, NC, 1W | 44 | 24 | ~ 1 | 58 | 100 | 1 | set |

Uponor Vario PLUS actuator NC

- open/closed indicator
- operation at ambient temperature of up to +60°C
- protection class: IP54



| Item no. | Dimension | d mm | AG mm | OV V | P W | h mm | Qty 2 | Qty 1 | UOM |
|----------------|--------------|---------|----------|---------|--------|---------|-------|-------|-----|
| 1000138 | 24V MT30x1,5 | 40 | 30x1,5 | 24 | ~ 2 | 54 | 10 | 1 | pce |

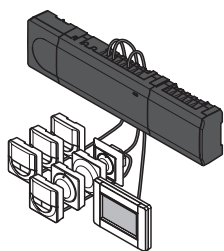
Uponor Vario S actuator NC

- open/closed indicator
- operation at ambient temperature of up to +60°C
- protection class: IP54
- compatible with both Vario S and Vario M



| Item no. | Dimension | d mm | IG mm | OV V | P W | h mm | Qty 2 | Qty 1 | UOM |
|----------------|--------------|---------|----------|---------|--------|---------|-------|-------|-----|
| 1013008 | 24V FT30x1,5 | 40 | 30x1,5 | 24 | ~ 2 | 56 | 10 | 1 | pce |

Uponor Smatrix Base PRO / Style



Uponor Smatrix Base PRO, featuring autobalancing technology, is an easy to use, intelligent room control system.

Smatrix Base Pro is available for integration into KNX or

BMS Modbus RTU, but also as stand-alone solution with user friendly touch screen.

Your benefits

- Can be used for both radiant heating and cooling
- No manual balancing required
- Fast installation
- Simple end user control
- Stand alone, Modbus and KNX integration



Specification

- autobalancing optimizing energy use and comfort
- up to 6 room thermostats and 8 actuators (24V) per controller; 6 channel expansion module option (with M-140)
- pump and boiler relays
- valve and pump exercise

Smatrix Base Pro controller X-147 with optional touch screen I-147 and KNX option

- up to 16 controller in one system
- daisy chain wiring or star wiring (with M-141)
- optional: display of controller information and settings (with I-147)
- optional: BMS integration via KNX interface (with R-147 and I-147)

Comfort settings comprises (with I-147)

- temperature setback programs for each channel
- max/min temperature limitations and relative humidity control
- holiday settings and automatic summer/winter change
- room bypass function
- advance cooling settings and automatic summer/winter change
- trend visualization (set point vs. room temperature, etc.)
- accessories configuration
- room check function and system diagnostic

Smatrix Base Pro controller X-148 ModBus RTU

Read data points

- temperature: outdoor / room / floor
- humidity level
- status of: actuator / pump / boiler / general purpose input (GPI)
- connection status of thermostat
- dynamic heat curve offset in integrated heat pump

Read and write data points

- room setpoint
- min/max levels for: setpoint / floor temperature
- settings: comfort/eco and autobalancing on/off
- heating/cooling: state / offset
- cooling not allowed for a room
- integrated heat pump defrost state

Application

- wired room temperature control for radiant heating and cooling
- set point range: +5°C ... +35°C

Certification

- CE, EAC

Uponor Smatrix Base PRO / Style

Uponor Smatrix Base PRO controller X-147 Bus

- supports up to 6 room thermostats and 8 actuators
- option to extend up to 12 room thermostats and 14 actuators with 1071686
- max. power input per actuator: 24VAC / 0.2A (0.4A peak)
- protection class: Class II IP20
- color: grey RAL7015

Consisting of:

- Uponor Smatrix Base PRO controller X-147 Bus 6X
- quick guide, security instructions
- micro SD card (pre-inserted)
- DIN rail (length: 37cm)
- mounting material



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1087162 | 6X | 230 | 336 | 110 | 55 | 4 | 1 | pce |

Uponor Smatrix Base slave module M-140 Bus

- 6 channel slave module for Uponor Smatrix Base controller X-145 Bus 6X and Uponor Smatrix Base PRO controller X-147 Bus 6X and Uponor Smatrix Base pro controller X-148 Modbus RTU
- supports up to 6 room thermostats and 6 actuators
- click-in installation
- protection class: IP20
- color: grey



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1071686 | 6X | 141 | 110 | 55 | 16 | 1 | pce |

Uponor Smatrix Base star module M-141 Bus

- 6 channel star module for Uponor Smatrix Base controller X-145 Bus 6X and Uponor Smatrix Base PRO controller X-147 Bus 6X
- flexible wiring approaches possible (star topology)
- supports up to 6 room thermostats
- protection class: IP20
- color: grey



| Item no. | Dimension | l mm | h mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1071651 | 8X | 141 | 110 | 55 | 16 | 1 | pce |

Uponor Smatrix Base PRO / Style

Uponor Smatrix Base PRO interface I-147 Bus

- sparepart touchpanel for Uponor Smatrix Base controller X-147 Bus 6X
- protection class: Class II IP20
- color: white RAL9016

Consisting of:

- Uponor Smatrix Base PRO interface I-147
- power supply
- mounting material
- wall bracket
- instruction leaflet



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1087161 | | 7 | 1 | pce |

Uponor Smatrix Base PRO room sensor RH Style T-141 Bus

- room temperature and relative humidity sensor (flush mounted)
- protection class: IP30
- color: white RAL9016

Consisting of:

- Uponor Smatrix Base PRO room sensor+RH Style T-141 Bus
- mounting material



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1087812 | FLUSH | 55 | 55 | 9 | 180 | 1 | pce |

Uponor Smatrix Base wallframe T-141

- Wallframe for Sensor RH Style T-141 1087812
- Wallframe for Thermostat T-144 1086973
- Color: white RAL9016



NEW

| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1122237 | | 81,5 | 81,5 | 10,6 | 20 | 1 | pce |

Uponor Smatrix Base PRO / Style

Uponor Smatrix Base timer I-143 Bus

- set time start up wizard
- holiday mode
- comfort/ECO indication
- manual H/C switchover function
- 6 pre-programmed schedules
- 1 freely programmable schedule
- ECO setback value setting
- clock reset
- timer functions
- Autobalancing de-/activation
- backlight
- displays software version on start-up
- protection class: IP30
- color: white glossy

Consisting of:

- Uponor Smatrix Base timer I-143 Bus
- mounting material



| Item no. | Dimension | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1086978 | RAL9016 | 80 | 80 | 26,5 | 75 | 1 | pce |

Uponor Smatrix Base PRO / Style

Uponor Smatrix Base PRO gateway module R-147 KNX

- connects a Uponor Smatrix Base PRO controller X-147 with a BMS or third-party KNX devices
- power supply: 230VAC (+10%/-15%) / 50/60Hz
- internal fuse: T5 F3.15AL 250V, 5x20 3.15A quick acting
- operating temperature: 0°C ... +45°C
- storage temperature: -20°C ... +70°C
- max. consumption: 45W
- power connection: 1m cable with europlug
- connection terminals for system bus: 0.2mm² ... 1.5mm²
- protection class: IP20 II

Functions:

- room temperatur from Uponor Base or third-party KNX thermostats
- room setpoint from Uponor Base or third-party KNX thermostats
- room relative humidity from Uponor Base or third-party KNX thermostats
- room floor temperatur from Uponor Base or third-party KNX thermostats
- actuator status from Uponor Base or third-party KNX system
- forced ECO from Uponor Base PRO or third-party KNX system
- pump output from Uponor Base or third-party KNX system
- boiler output from Uponor Base or third-party KNX system
- heating/cooling curve settings/circuit from Uponor Move PRO to BMS or vice versa
- heating/cooling modes from Uponor Base PRO to BMS or vice versa

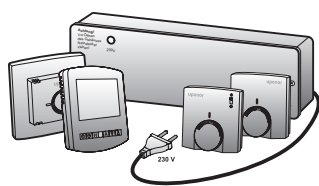
Consisting of:

- gateway module R-147 KNX
- power supply
- mounting material (2 screws and 2 wall plugs)
- quick guide



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-----|
| 1087164 | | 230 | 90 | 17,5 | 60 | 1 | pce |

Uponor Base



An economical 230V room controls system for radiant heating that is simple to install and use. A common wiring method and controls logic that is familiar and easy to work with.

Your benefits

- Standard 230V wiring
- Wide selection of thermostats
- Easy to install and use
- Common wiring method and controls logic
- Easy integration to standard on/off time control



Specification

- 230V standard wiring
- common wiring method and controls logic
- easy integration to standard on/off time control
- optional: pump logic

Application

- wired room temperature control for radiant heating

Certification

- CE

Uponor Base controller X-23

- supports up to 6 thermostats (230V)
- supports up to 14 actuators (230V)
- overload protection
- power: 10VA
- protection class: IP40

Consisting of:

- Uponor Base controller X-23
- mounting material



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1058426 | 6X 230V | 230 | 310 | 90 | 65 | 200 | 1 | pce |

Uponor Base flexiboard X-24

- supports up to 6 thermostats (230V)
- supports up to 12 actuators (230V)
- rotary channel selector switch for quick actuator assignment
- overload protection
- power: 10VA
- protection class: IP40

Consisting of:

- Uponor Base flexiboard X-24
- mounting material



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-----|
| 1088331 | 6X 230V | 230 | 368 | 90 | 65 | 1 | pce |

Uponor Base

Uponor Base flexiboard with pump logic X-25

- supports up to 6 thermostats (230V)
- supports up to 12 actuators (230V)
- rotary channel selector switch for quick actuator assignment
- pump relay 2A (230V)
- overload protection
- power: 10VA
- protection class: IP40

Consisting of:

- Uponor Base flexiboard with pump logic X-25 6X
- mounting material



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-----|
| 1089086 | 6X 230V | 230 | 368 | 90 | 65 | 1 | pce |

Uponor Base flexiboard X-26

- supports up to 8 thermostats (230V)
- supports up to 12 actuators (230V)
- rotary channel selector switch for quick actuator assignment
- overload protection
- power: 10VA
- protection class: IP40

Consisting of:

- Uponor Base flexiboard X-26 8X
- mounting material



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-----|
| 1089087 | 8X 230V | 230 | 368 | 90 | 65 | 1 | pce |

Uponor Base flexiboard with pump logic X-27

- supports up to 8 thermostats (230V)
- supports up to 12 actuators (230V)
- rotary channel selector switch for quick actuator assignment
- pump relay 2A (230V)
- overload protection
- power: 10VA
- protection class: IP40

Consisting of:

- Uponor Base flexiboard with pump logic X-27 8X
- mounting material



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-----|
| 1089088 | 8X 230V | 230 | 368 | 90 | 65 | 1 | pce |

Uponor Base

Uponor Base thermostat standard T-23

- printed scale on dial thermostat
- simple on/off control (bimetall)
- setting range can be limited mechanically by moving pins under the dial
- powered by base unit (Uponor Base controller X-23)
- setpoint range: +5°C ... +30°C
- wire: 4x 1.5mm²
- max. cable length: 100m
- protection class: IP30
- color: RAL 9010



| Item no. | Dimension | OV V | l mm | b mm | d mm | colour | Qty 2 | Qty 1 | UOM |
|----------------|--------------|---------|---------|---------|---------|----------|-------|-------|-----|
| 1058422 | 230V RAL9010 | 230 | 78 | 78,5 | 13,9 | RAL 9010 | 160 | 1 | pce |

Uponor Base thermostat flush T-24

- printed scale on dial thermostat for flush installation
- simple on/off control (bimetall)
- setting range can be limited mechanically by moving pins under the dial
- powered by base unit (Uponor Base controller X-23)
- setpoint range: +5°C ... +30°C
- wire: 4x 1.5mm²
- max. cable length: 100m
- protection class: IP30
- color: pure white, glossy

Consisting of:

- Uponor Base thermostat flush T-24 230V
- outer frame 81x85x44.5mm
- cover 50x50mm



| Item no. | Dimension | OV V | l mm | b mm | d mm | | Qty 1 | UOM |
|-----------------|-----------|---------|---------|---------|---------|--|-------|-----|
| 1058423* | 230V | 230 | 81 | 85 | 44,5 | | 1 | pce |

Uponor Base

Uponor Base thermostat H/C T-25

- printed scale on dial thermostat
- simple on/off control (bimetall)
- heating/cooling changeover (2-pipe installation)
- setting range can be limited mechanically by moving pins under the dial
- powered by base unit (Uponor Base controller X-23)
- wire: 4x 1.5mm²
- max. cable length: 100m
- protection class: IP30
- color: ~RAL9010

Consisting of:

- Uponor Base thermostat H/C T-25 230V
- DIP switch for changeover contact heating/cooling



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 1 | UOM |
|-----------------|-----------|---------|---------|---------|---------|-------|-----|
| 1058424* | 230V | 230 | 78 | 78,5 | 13,9 | 1 | pce |

Uponor Base wallframe T-23/25

| Item no. | Dimension | Qty 1 | UOM |
|----------------|-----------|-------|-----|
| 1087268 | | 1 | pce |

Uponor Base thermostat display T-27

- LCD display presents temperature in big sized digits
- Noisless operation due to triac electronics
- Capacitive keys on the front and full display glass for easy cleaning
- Comfort / Eco mode
- Valve exercise
- Option to connect remote sensor (to be ordered separately 1071684)
- Floor sensor modes: internal, external, internal + external
- Mounting: on wall and on standard European flush mounting box
- Neat and easy wiring with Uponor Base X-23 and Uponor Base flexiboard X-24, X-25, X-26, X-27
- Protection class : IP30



| Item no. | Dimension | OV V | colour | Qty 2 | Qty 1 | UOM |
|----------------|--------------|---------|----------|-------|-------|-----|
| 1120075 | 230V RAL9016 | 230V | RAL 9016 | 75 | 1 | pce |

Uponor Smatrix floor/remote sensor S-1XX

- Can be combined with Uponor Smatrix Wave/Base (Pro) thermostats
- Can be combined with T-27 thermostat 1120075
- Can be used as floor or remote sensor
- Length: 3m
- Sensor type: NTC 10kOhm at 25oC



| Item no. | Dimension | L m | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|-------|-------|-----|
| 1071684 | | 3 | 63 | 1 | pce |

Uponor Base

Uponor Base thermostat dig. prog. T-26

- in-side port for floor/remote sensor connection
- fully programmable - 5/2 or 7 day with four heat levels per day
- multiple regulation control choice - air only, floor only, air and floor
- holiday mode with override feature
- optimised start
- lock facility - tamper proof setting
- status display on current thermostat mode
- powered by base unit (Uponor Base controller X-23)
- optional: remote sensor (sold separately 1047459)
- setpoint range: +5°C ... +35°C
- protection class: IP20
- color: ~RAL9010



| Item no. | Dimension | OV V | l mm | b mm | d mm | colour | Qty 1 | UOM |
|----------------|--------------|---------|---------|---------|---------|----------|-------|-----|
| 1058425 | 230V RAL9010 | 230 | 85 | 98 | 13 | RAL 9010 | 1 | pce |

Uponor Base sensor remote

- remote sensor for T-26 or thermostat 1047457
- for min/max floor temperature
- length: 3m



| Item no. | Dimension | L m | Qty 1 | UOM |
|----------------|-----------|--------|-------|-----|
| 1047459 | 230V | 3 | 1 | pce |

Uponor Vario PLUS actuator NC

- open/closed indicator
- operation at ambient temperature of up to +60°C
- protection class: IP54



| Item no. | Dimension | d mm | AG mm | OV V | P W | h mm | Qty 2 | Qty 1 | UOM |
|----------------|---------------|---------|----------|---------|--------|---------|-------|-------|-----|
| 1005605 | 230V MT30x1,5 | 40 | 30x1,5 | 230 | ~1,5 | 54 | 10 | 1 | pce |

Uponor Vario S actuator NC

- open/closed indicator
- operation at ambient temperature of up to +60°C
- protection class: IP54
- compatible with both Vario S and Vario M



| Item no. | Dimension | d mm | IG mm | OV V | P W | h mm | Qty 2 | Qty 1 | UOM |
|----------------|---------------|---------|----------|---------|--------|---------|-------|-------|-----|
| 1013006 | 230V FT30x1,5 | 40 | 30x1,5 | 230 | ~1,5 | 56 | 10 | 1 | pce |

Uponor Smatrix

Uponor Smatrix actuator retrofit set A-XXX

- 24V actuator retrofit set
 - incl. 3 bayonet manifold valve adaptor rings, mounting instructions
 - interface between existing third-party manifolds and Uponor Smatrix control system
 - compatible to 80% of existing third-party manifolds
 - open/closed indicator
 - NC (normally closed) = closes without power
 - first open function
 - Autobalancing functionality for new and retrofit installations
 - temperature range: 0°C...60°C
 - height: 58mm + adaptor ring
 - color: blue
- adaption list can be found at: www.uponor.com/download-centre
- stroke length: 5mm
 - connection cable: 2x 0.75mm² x 1m
 - Ucoil: 24V/50Hz
 - Pcoil: 1W
 - diameter: 44.3mm



| Item no. | Dimension | d mm | OV V | P W | h mm | Qty 2 | Qty 1 | UOM |
|----------------|-------------|---------|---------|--------|---------|-------|-------|-----|
| 1083575 | 24V, NC, 1W | 44 | 24 | ~ 1 | 58 | 100 | 1 | set |

Uponor Smatrix relay module H/C M-1XX

- interface to a heating/cooling source
- switch over H/C between Uponor Smatrix and H/C source
- incl. socket for DIN rail mounting, manual, mounting material
- contact: 2 change-over (CO)
- Ucoil: 24VDC
- test voltage: 5kV
- protection class: IP40
- switching voltage: 380VAC, 125VDC
- switching current: 5A@250VAC, 5A@30VDC
- contact material: Ag+Au plated
- temperature range: -40°C...+70°C



| Item no. | Dimension | OV V | I mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1083576 | 24V | 24 | 85,5 | 16 | 70,5 | 84 | 1 | pce |

Uponor Smatrix

Uponor Smatrix relay module H/C M-1XX

- interface to a heating/cooling source
- switch over H/C between Uponor Smatrix and H/C source
- incl. socket for DIN rail mounting, manual, mounting material, wall box
- contact: 2 change-over (CO)
- Ucoil: 230VAC
- test voltage: 5kV
- protection class: IP40
- switching voltage: 380VAC, 125VDC
- switching current: 5A@250VAC, 5A@30VDC
- contact material: Ag+Au plated
- temperature range: -40°C...+70°C



| Item no. | Dimension | OV V | l mm | b mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|---------|-------|-------|-----|
| 1083577 | 230V | 230 | 85,5 | 16 | 70,5 | 16 | 1 | pce |

Uponor Smatrix floor/remote sensor S-1XX

- Can be combined with Uponor Smatrix Wave/Base (Pro) thermostats
- Can be combined with T-27 thermostat 1120075
- Can be used as floor or remote sensor
- Length: 3m
- Sensor type: NTC 10kOhm at 25oC



| Item no. | Dimension | L m | Qty 2 | Qty 1 | UOM |
|----------------|-----------|--------|-------|-------|-----|
| 1071684 | | 3 | 63 | 1 | pce |

Uponor Smatrix wallframe T-X A-1XX

- wallframe for Uponor Smatrix thermostats
- color: white glossy (RAL9016)



| Item no. | Dimension | l mm | h mm | d mm | Qty 2 | Qty 1 | UOM |
|----------------|-----------|---------|---------|---------|-------|-------|-----|
| 1086986 | RAL9016 | 90 | 90 | 2,1 | 250 | 1 | pce |

Uponor Comfort E



Low installation heights and fast response times are the biggest advantages of Comfort E. It adds maintenance-free operation and the pleasant feel-good warmth that the heating system brings into every

room via the floor. Easy to realize with Comfort E flat sew-up 3mm Cable Mat under tiles and Comfort E flat Aluminum-Foil Mat under laminate or parquet with Uponor AL-Foil Insulation below. Uponor Comfort E Thermostats keep track of your heating time and cost.

Your benefits

- Ideal for renovation and new build
- Fits for tiles, laminate, parquet or vinyl covering in dry and wet floor constructions
- Easy to installation for low floor height
- Highest comfort with short reaction time
- Keep track of your heating costs with programmable control units



Specification

- thermostat with floor sensor

Application

- Electrical radiant direct reacting floor heating
- embedded in leveling compound or tile adhesive under tiles or
- to be laid directly on an insulation layer under suitable floorings like parquet, laminate or carpet

Thermostats:

- temperature range: +5°C ... +30°C
- 230V

Certification

- CE, EAC
- VDE 40046886 Cable Mat

Uponor Comfort E WET-cable mat

Specification

- Electrical radiant roll out cable heating mats
- embedded in leveling compound or tile adhesive under tiles
- fully surfaced self-adhesive mats
- 0,5m wide
- sew up 3mm cable
- shielded double core heating cable
- 4m connecting cable
- FEP electrical isolated heating conductor
- incl. protection tube for the floor sensor

Application

- Electrical radiant direct reacting floor heating
- embedded in leveling compound or tile adhesive under tiles

Certification

- CE, EAC
- VDE 40046886
- IPX7

Uponor Comfort E

Uponor Comfort E cable mat

- heating capacity 160 W/m²



| Item no. | Dimension | Resistance Ohm | Q W | L m | B m | A m ² | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------------------|--------|--------|--------|---------------------|-------|-------|-----|
| 1088656 | 160-1 | 326 | 160 | 2 | 0,5 | 1 | 50 | 1 | set |
| 1088657 | 160-1,5 | 224 | 240 | 3 | 0,5 | 1,5 | 50 | 1 | set |
| 1088658 | 160-2 | 163 | 320 | 4 | 0,5 | 2 | 50 | 1 | set |
| 1088659 | 160-2,5 | 133 | 400 | 5 | 0,5 | 2,5 | 50 | 1 | set |
| 1088660 | 160-3 | 110 | 480 | 6 | 0,5 | 3 | 50 | 1 | set |
| 1088661 | 160-4 | 78 | 640 | 8 | 0,5 | 4 | 35 | 1 | set |
| 1088662 | 160-5 | 67 | 800 | 10 | 0,5 | 5 | 35 | 1 | set |
| 1088663 | 160-6 | 53 | 960 | 12 | 0,5 | 6 | 35 | 1 | set |
| 1088664 | 160-7 | 45 | 1120 | 14 | 0,5 | 7 | 20 | 1 | set |
| 1088665 | 160-8 | 41 | 1280 | 16 | 0,5 | 8 | 20 | 1 | set |
| 1088666 | 160-10 | 32 | 1600 | 20 | 0,5 | 10 | 20 | 1 | set |
| 1088667 | 160-12 | 28 | 1920 | 24 | 0,5 | 12 | 20 | 1 | set |

Uponor Comfort E

Uponor Comfort E Controls

Specification

- 230V

Application

- Controls units for Electrical radiant direct reacting floor heating
- for cable mats
- for AL-foil mats

Certification

- CE, EAC

Uponor Comfort E thermostat dial set T-85

- Dial Thermostat Set T-85 for Uponor electrical radiant heating with floor sensor
- Surface mounting directly on conduit box
- On / Off switch
- Temperature range 5 - 30°C
- Switching current 16A
- Protection class of housing IP30



| Item no. | Dimension | Qty 1 | UOM |
|----------------|-----------|-------|-----|
| 1088705 | 230V | 1 | set |

Uponor Comfort E thermostat dig.prog. flush Set T-86

- Digital Programmable Thermostat Set T-86 for Uponor electrical radiant heating with floor sensor
- Flush mounted in wall
- Current mode status display
- Energy saving function
- Standard holiday mode
- Temperature range 5 - 35°C
- Switching current 16A
- Protection class of housing IP20



| Item no. | Dimension | Qty 1 | UOM |
|----------------|-----------|-------|-----|
| 1088819 | 230V | 1 | set |

Uponor Comfort E floor sensor T-85, T-87

- Substitute 4m floor sensor for
- Uponor Comfort E Thermostat dial Set T-85
- Uponor Comfort E Thermostat dig.prog. flush Set T-87IF 230V



| Item no. | Dimension | Qty 2 | Qty 1 | UOM |
|----------------|-----------|-------|-------|-----|
| 1090944 | | 100 | 1 | pce |

uponor

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