



Product Catalogue

Radiant Heating & Cooling
International Sales



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Abbreviations

shortcut	unit	description
ΔL_w	[dB]	impact noise improvement
A	[m ²]	square measure
AG	["]	male thread
AG	[mm]	male thread (metric)
b	[mm]	width
B	[m]	width in meter
b1	[mm]	width 1
b2	[mm]	width 2
c/c	[mm]	centre - centre distance
colour	[-]	colour
d	[mm]	diameter
d1	[mm]	diameter 1
d2	[mm]	diameter 2
d3	[mm]	diameter 3
di	[mm]	diameter inside
DN	[mm]	diameter nominal
DN	["]	Dimension Inch
DT	[d]	drying time in days
EP/a	[W]	effective power per actuator
Flow Rate	[l/h]	Flow Rate
G	[kN/m ²]	load bearing capacity
h	[mm]	height
h1	[mm]	height 1
h2	[mm]	height 2
IG	["]	female thread
IG	[mm]	female thread (metric)
l	[mm]	length
L	[m]	length in meter
l1	[mm]	length 1
l2	[mm]	length 2
outlets	[-]	Number of outlets
OV	[V]	operating voltage
P	[W]	effective power
p	[bar]	pressure
r	[mm]	radius
R-value	[m ² K/W]	thermal resistance
s	[mm]	strength / wall thickness
sa	[mm]	side distance
Specification	[-]	Specification
stroke	[mm]	stroke
SW	[mm]	across flats
Total Capacity	[kPA]	Total Capacity
Type	[-]	Type
V	[l/m]	volume
Valve Connection	[-]	Valve Connection
Weight	[kg]	Unit Weight
z	[mm]	z-value

List of content

Room temperature control

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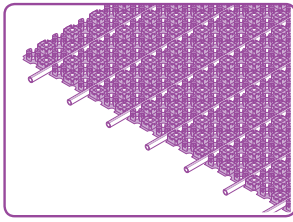
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Minitec

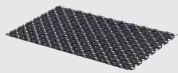


Fast installation, short heat-up time: the Uponor renovationsystem Minitec offers you a range of advantages. The Uponor minitec foil element for the laying of the PE-Xa pipes measures 9.9 x 1.1 mm and can be installed on any existing screed, timber or tiled floor. Thanks to this small element height of

around one centimetre, the system is particularly suitable for integration into existing buildings.



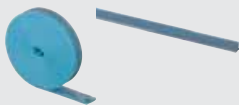
Line Components



Minitec



Systempipe/-connections



Accessories

Your benefits

Flat: Minimum floor construction height

Simple: Minimum installation effort in renovation

Comfort: Short heat-up times and quickly adjustable

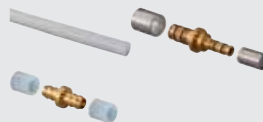
Reliability: Long-term proven Uponor PE-Xa quality

Energy saving: Low operating temperatures

System accessories



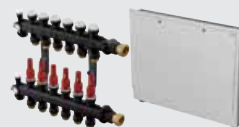
Fluvia
Pump groups



Supply lines



Room controls



Vario PLUS
Manifolds/Cabinets



Tools

Minitec

Uponor Minitec nubfoil self-adh

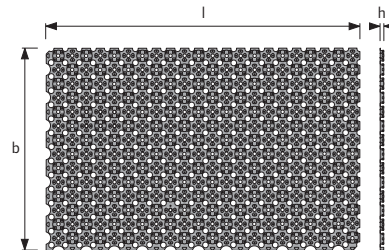
Designed as sturdy pipe fixing panel of minimum height, with integrated pipe laying channels for correct pipe laying distances; designed for Uponor Minitec PE-Xa pipes 9.9 x 1.1 mm; allowing for straight and diagonal pipe laying; with undercut, deep pipe fixing studs; overlap on both sides with triangular studs; perforated panel for installation between levelling compound and substructure; with self-adhesive back for proper fixture to screed and tiled floors

Material: Polystyrene

DIN 4102 building material class: B2

Pipe spacing: Vz 5, 10, 15

Colour: traffic black (near RAL 9017)



Item no.	l mm	b mm	h mm	A m ²
1005261	1120	720	12	0.77

Description	unit 2	unit
Uponor Minitec nubfoil self-adh 15,4m2 9,9x1,1 1100x700x12mm	123.2	15.4 m ²

Uponor Fix clamp track

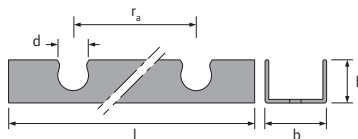
U-profile strip made of recycled material, with integrated pipe holder for 9.9 x 1.1 mm Uponor PE-Xa pipes.

Length of track: 2.5 m

Width of track: 24 mm

Space between pipe holders: 20 mm c/c

Installation height with pipe: 13 mm



Item no.	d mm	l mm	b mm	h mm	c/c mm
1005274	10	2500	24	13	20

Description	unit
Uponor Fix clamp track 9,9mm c/c20mm 2,5m	25 m

Uponor Minitec Comfort Pipe

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol) in natural colour with a blue stripe. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings. Application class 4 - Underfloor heating and low temperature radiators.

Max design temperature: 90°C

Malfunction temperature 100°C

Design pressure 6 Bar at 70°C

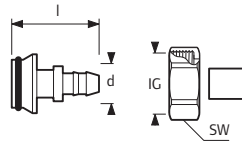
Fire class: E according DIN EN 13501-1



Item no.	d mm	s mm	L m	V l/m
1063288 NEW	9.9	1.1	120	0.047
1063289 NEW	9.9	1.1	240	0.047
1063381 NEW	9.9	1.1	480	0.047

Description	unit 2	unit
Uponor Minitec Comfort Pipe 9,9x1,1 120m	1680	120 m
Uponor Minitec Comfort Pipe 9,9x1,1 240m	2640	240 m
Uponor Minitec Comfort Pipe 9,9x1,1 480m	2880	480 m

Minitec

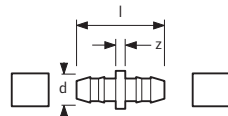


Item no.	d mm	IG "	l mm	SW mm
1005266	9.9	G 3/4	39	30

Uponor Vario adapter Minitec

For connection of Uponor PE-Xa pipes 9.9 x 1.1 mm to Uponor manifolds and Uponor connection box, made of brass.

Description	unit 2	unit
Uponor Vario adapter Minitec 9,9x1,1-G3/4" Euro	100	10 pcs



Item no.	d mm	s mm	l mm	z mm
1005264	9.9	1.1	34	4

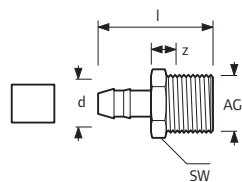
Uponor Minitec coupling, rings

For Uponor Minitec Comfort pipe 9,9x1,1, consisting of:

- 1 coupling
- 2 PEX Q&E rings for secure connection

Material: Coupling made in brass; PEX Q&E rings made in high-pressure cross-linked polyethylene

Description	unit 2	unit
Uponor Minitec coupling, rings 9,9x1,1	100	10 pcs



Item no.	d mm	AG "	l mm	SW mm	z mm
1005265	9.9	R 1/2	39	22	14

Uponor Minitec adapter male thread, ring

For connection of Uponor PE-Xa pipes 9.9x1.1mm, consisting of:

- 1 adapter
- 1 PEX Q&E rings for secure connection.

Material: coupling made in brass; PEX Q&E rings made in high pressure cross-linked polyethylene.

Description	unit 2	unit
Uponor Minitec adapter male thread, ring 9,9-R1/2" MT	100	10 pcs



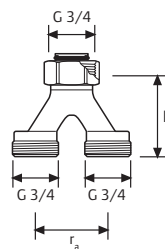
Item no.	d mm
1005263	9.9

Uponor Minitec ring natural

For Uponor PE-Xa pipe 9.9 x 1.1 mm; to secure fixing to Minitec fittings.

Material: High-pressure cross-linked polyethylene (PE-Xa)

Description	unit 2	unit
Uponor Minitec ring natural 9,9x1,1	1600	10 pcs



Item no.	l mm	c/c mm
1005675	50	40

Uponor Fluvia Y compression adapter

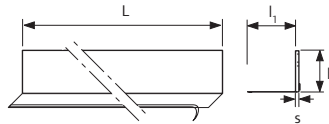
For extension of PUSH-12 pumpgroups with 2 loops, secondary connection G3/4 eurocone, set with 2 branch connectors.

Description	unit 2	unit
Uponor Fluvia Y compression adapter 2xG3/4-3/4" Euro	50	1 set

Minitec

Uponor Minitec edging strip, self-adh.

Edging strip for high performance panel 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; Length of roll: 20 m



Item no.	s mm	L m	h mm	Description	unit
1005267	8	20	80	Uponor Minitec edging strip, self-adh. 20m 80x8mm	200 200 m

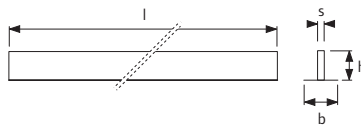
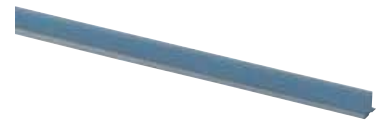
Uponor Minitec expansion joint profile

Self-adhesive clamp-on profile element for high performance panel made of hard PVC with polyethylene foam expansion strip, for the reliable separation of screed sections (e.g. in doorways), and to absorb expansion of screed. For expansion joints as per DIN 18560-2.

Height: 40 mm

Material thickness: 10 mm

Length: 1,8 m

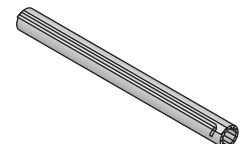
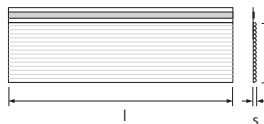


Item no.	s mm	l mm	b mm	h mm	Description	unit
1005268	10	1800	50	40	Uponor Minitec expansion joint profile 1,8m 40x10mm	18 m

Uponor Minitec joint protection tube

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

Length: 300 mm



Item no.	s mm	l mm	b mm	Description	unit 2	unit
1005269	2	300	35	Uponor Minitec joint protection tube 9,9mm 300x2mm	1800	30 pcs

Minitec



Uponor Base thermostat standard T-23

The thermostat T-23 with scale is an easy-to-use standard 230V wired thermostat that incorporates conventional wheel (with print on dial) control to adjust the room temperature set point.
For connection to Uponor controller X-23.

Consisting of:

- T-23 Thermostat with printed scale on dial for settings

Functions

- Simple on/off control (bimetal)
- Setpoint range 5-30°C
- Setting range can be limited mechanically by moving pins under the dial
- Power by base unit (230V)

Conformity: CE

Protection class: IP 30

Colour: ~ RAL 9010

Wiring: 4 x 1,5 mm²

Max. cable length: 100 m

Item no.	l mm	b mm	h mm
1058422	78	78.5	13.9

Description	unit 2	unit	
Uponor Base thermostat standard T-23 230V	50	1	pcs



Uponor Fluvia T pumpgroup Push-12 TH-X

pumpgroup for control of UFH in small zones,
room temperature control with thermostat 12-28°C,
remote sensor with capillary tube length 2m,
bracket for left- or right installation, air bleed screw,
secondary circuit temp. range 20-50°C
integrated Xylem pump
Phyd< 1W, 230V
balancing valve, valve kvs 0,7 m³/h
1-3 kW
max. 90° primary, max. 50° secondary, max. 10 bar
connection:
secondary loop 3/4" eurocone
primary valves with clampconnection for CU-Pipe 15mm
Pump for 230V pump power supply with external switch

Item no.
1067386 NEW

Description	unit 2	unit	
Uponor Fluvia T pumpgroup Push-12 TH-X	60	1	pcs



Uponor Fluvia T pumpgroup Push-12 AC-X

pumpgroup for control of UFH in small zones,
with actuator 230 V for wire connection to room thermostat,
bracket for left- or right installation, air bleed screw,
secondary circuit temp. range 20-50°C
integrated Xylem pump,
Phyd< 1W, 230V
balancing valve, valve kvs 0,9 m³/h
1-3 kW
max. 90° primary, max. 50° secondary, max. 10 bar
connection:
secondary loop 3/4" eurocone
primary valves with clampconnection for CU-Pipe 15mm
Pump needs 230V pump power supply with external switch.

Item no.
1067387 NEW

Description	unit 2	unit	
Uponor Fluvia T pumpgroup Push-12 AC-X50	60	1	pcs

Minitec

Uponor Fluvia T pumpgroup Push-12 WL-X

pumpgroup for control of UFH in small zones,
with actuator 230 V, wireless thermostat and wireless receiver,
bracket for left- or right installation, air bleed screw,
secondary circuit temp. range 20-50°C
integrated Xylem pump,
Phyd< 1W, 230V
balancing valve, valve kvs 0,9 m³/h
1-3 kW
max. 90° primary, max. 50° secondary, max. 10 bar
connection:
secondary loop 3/4" eurocone
primary valves with clampconnection for CU-Pipe 15mm
Pump needs 230V pump power supply with external switch.



Item no.	Description	unit 2	unit
1067390 NEW	Uponor Fluvia T pumpgroup Push-12 WL-X	60	1 pcs

Uponor Fluvia T control KIT Push-12

KIT for wireless thermostat installation and Control adaptation for Uponor Fluvia T PUSH-12 pump-groups except version with Cartridge Heater.
Conent:
- wireless thermostat- room temperature range 5-37°C
- receiver- 1 relay for actuator conection
- 230V actuator with threaded connector M 28x1.5 mm FT.



Item no.	Description	unit
1071999 NEW	Uponor Fluvia T control KIT Push-12 WL-REC-AC	1 pcs

Uponor Q&E expansion tool with heads M12

Battery powered expander tool for 6 bar pipes up to dimension 32mm and for 10 bar pipes up to 28 mm.
Auto-rotating with M12 expander heads.
< 10seconds full expansion onto a joint
< 2.2kg with head and battery
Steel gear and integrated metal frame
LED work light, fuel gauge, Tool free head change
incl. 2 Li-ion 2,0 Ah batteries, charger 220-240V/50-60Hz and cone grease.



Item no.	Description	unit
1063112 NEW	Uponor Q&E expansion tool with heads M12 6bar 9,9/20	1 set

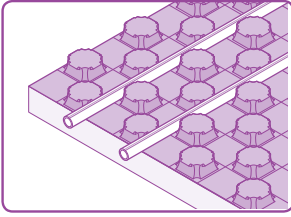
Uponor Q&E head M12

Uponor Q&E expansion head 9,9 to be used with Milwaukee M12 tool



Item no.	Description	unit
1060702	Uponor Q&E head M12 9,9x1.1	1 pcs

Tecto



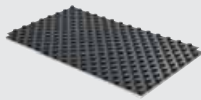
The Uponor Tecto pipe positioning panel has been specially developed for the installation of underfloor heating/cooling systems in residential and non-residential buildings. The panels are installed in the floor below the cement or anhydrite screed load distribution layer.

Uponor Tecto panels are available in

two different thicknesses (ND 30-2 and ND 11), catering for various floor constructions and load-bearing requirements.



Line Components



Tecto



Comfort Pipe PLUS & Fitting



Accessories

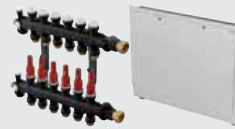
Your benefits

Easy: Optimally matched system components

Free Choice: Multi-layer composite pipe or PE-Xa pipe

Reliability: Long-term proven Uponor quality

System accessories



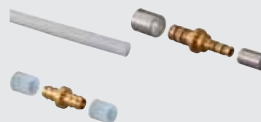
**Vario PLUS
Manifolds/Cabinets**



Room controls



**Fluvia
Pump groups**



Supply lines



Tools

Tecto

Uponor Tecto nub panel

Pipe fixing panel ND 30-2 for pipes 14 - 17 mm with heat and sound insulation. Made of expanded polystyrene insulation covered by a black polystyrene foil acc. to DIN EN 13163.

DIN EN 13501-1 fire classification: class E.

Building-material class B2 conforming to DIN 4102.

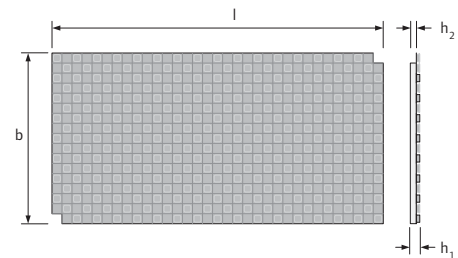
Approved for moving loads of up to 5.0 kN/m².

Thermal resistance: 0.75 m²K/W.

For pipe spacing in cm: 10, 15, 20, 25, 30.

Dimensions: 1.45 m x 0,85 m

Panel height: 52 mm



Item no.	ΔLwI dB mm	b mm	h1 mm	h2 mm	A m ²
1005478	28 1450	850	52/50	30-2	1.12

Description	unit 2	unit
Uponor Tecto nub panel EPS DES 30-2mm 14-17mm 1450x850mm	53.76	8.96 m ²

Uponor Tecto nub panel

Pipe fixing panel ND 11 for pipes 14 - 17 mm with heat insulation. Made of expanded polystyrene insulation covered by a black polystyrene foil acc. to DIN EN 13163.

DIN EN 13501-1 fire classification: class E.

Building-material class B2 conforming to DIN 4102.

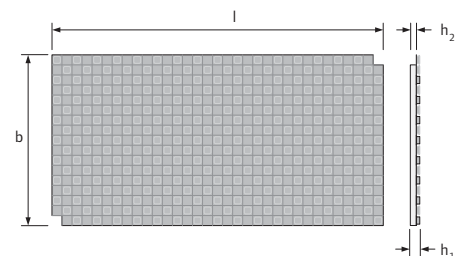
Approved for moving loads of up to 30 kN/m².

Thermal resistance: 0.275 m²K/W.

For pipe spacing in cm: 10, 15, 20, 25, 30.

Dimensions: 1.45 m x 0,85 m

Panel height: 33 mm



Item no.	ΔLwI dB mm	b mm	h1 mm	h2 mm	A m ²
1005477	0 1450	850	33	11	1.12

Description	unit 2	unit
Uponor Tecto nub panel EPS 11mm 14-17mm 1450x850mm	94.08	15.68 m ²

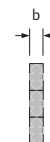
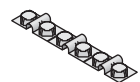
Uponor Tecto diagonal pipe fixation

Consist of 2 pipe fixing naps connected with one pipe fixation element as stripe with 3 fixations for diagonal installation of Uponor pipes on Uponor Tecto pipe positioning panel. Each stripe is separable in 3 fixation elements.

Material: Black deep drawing PS foil.

Building-material class B2 conforming to DIN 4102.

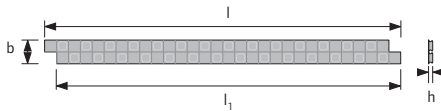
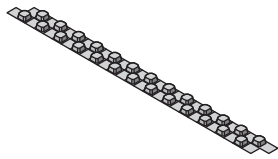
Colour of cover foil: traffic black (near RAL 9017)



Item no.	b mm
1005482	75

Description	unit 2	unit
Uponor Tecto diagonal pipe fixation 45° 75mm	1840	10 pcs

Tecto



Item no.	l mm	l1 mm	b mm	h mm
1005484	1350	1400	100	22

Uponor Tecto double strip element, foil

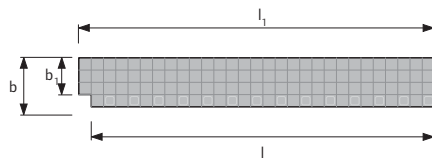
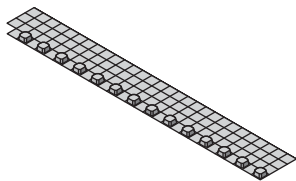
Foil strips with pipe fixing studs in two rows for the proper connection of Tecto elements ND 11 or ND 30-2 (butt joints)

Material: Deep drawn PS foil

DIN 4102 building material class: B2

Colour of cover foil: traffic black (near RAL 9017)

Description	unit 2	unit
Uponor Tecto double strip element, foil 1,4m 100mm	742.5	33.75 m



Item no.	l mm	l1 mm	b mm	b1 mm	A m²
1005481	1400	1450	200	150	0.21

Uponor Tecto expansion element foil

For use with compensation-insulation ND 11 or ND 30-2 in door or wall area, consists of:

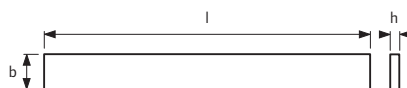
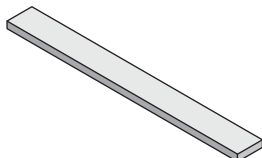
- covering foil with cutter raster, single overlapping, pipe fixing foil for secure connection of compensation elements on the Tecto elements

Material: PS-foil

Building class according to DIN 4102: B2

Colour of leveling foil: black, approx. RAL 9017

Description	unit 2	unit
Uponor Tecto expansion element foil 1,45m 200mm	504	28 m



Item no.	Δ LwI dB mm	b mm	h mm	A m²
1005480	28	1400	150	30-2 0.21

Uponor Tecto expansion element

as heat-/sound insulation for use with the compensation element covering foil in door or wall area.

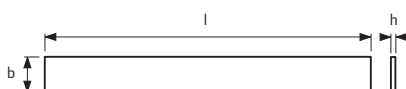
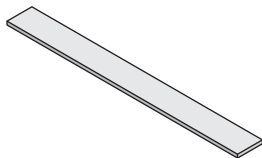
Material: Expanded polystyrene hard foam acc. to DIN EN 13163

Building class according to DIN 4102: B2

Thermal resistance: 0.75 m²K/W.

Approved for moving loads of up to 5.0 kN/m².

Description	unit 2	unit
Uponor Tecto expansion element EPS DES 30-2mm 150x1400mm 28dB	268.8	8.4 m



Item no.	Δ LwI dB mm	b mm	h mm	A m²
1005479	0	1400	150	11 0.21

Uponor Tecto expansion element

as heat-/sound insulation for use with the compensation element covering foil in door or wall area.

Material: Expanded polystyrene hard foam acc. to DIN EN 13163

Building class according to DIN 4102: B2

Thermal resistance: 0.275 m²K/W.

Approved for moving loads of up to 30 kN/m².

Description	unit 2	unit
Uponor Tecto expansion element EPS 11mm 150x1400mm	716.8	22.4 m

Tecto

Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

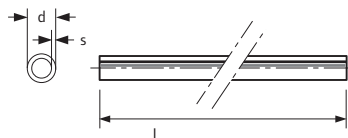
Application class 4+5/ 6 bar

Max design temperature: 90°C

Malfunction temperature: 100°C

Design pressure 6/10 bar at 90°C/70°C

Fire class: E according DIN EN 13501-1



Item no.		d mm	s mm	L m	V l/m
1062883	NEW	14	2	120	0.079
1062884	NEW	14	2	240	0.079
1062885	NEW	14	2	960	0.079
1062044	NEW	16	2.0	120	
1062045		16	2.0	240	
1062046	NEW	16	2.0	640	

Description	unit 2	unit
Uponor Comfort Pipe PLUS 14x2,0 120m	1320	120 m
Uponor Comfort Pipe PLUS 14x2,0 240m	1680	240 m
Uponor Comfort Pipe PLUS 14x2,0 960m	1920	960 m
Uponor Comfort Pipe PLUS 16x2,0 120m	1080	120 m
Uponor Comfort Pipe PLUS 16x2,0 240m	1440	240 m
Uponor Comfort Pipe PLUS 16x2,0 640m	1280	640 m

Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

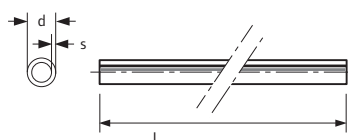
Application class 4+5/ 6 bar

Max design temperature: 90°C

Malfunction temperature: 100°C

Design pressure 6/8 bar at 90°C/70°C

Fire class: E according DIN EN 13501-1



Item no.		d mm	s mm	L m	V l/m
1034535		17	2.0	120	0.13
1009226		17	2.0	240	0.13
1009227		17	2.0	640	0.13

Description	unit 2	unit
Uponor Comfort Pipe PLUS 17x2,0 120m	840	120 m
Uponor Comfort Pipe PLUS 17x2,0 240m	1200	240 m
Uponor Comfort Pipe PLUS 17x2,0 640m	1280	640 m

Uponor Vario compression adapter PEX

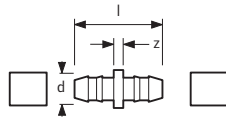
Compression adapter made of brass, with integrated clamp ring, for connection of Uponor PE-Xa pipes to manifolds with thread 3/4" eurocone, acc. EN 16313.



Item no.		d mm	IG "	s mm	SW mm
1065283	NEW	14	G3/4"	2,0	30
1065284	NEW	16	G3/4"	1,8/2,0	30
1065286	NEW	17	G3/4"	2,0	30

Description	unit 2	unit
Uponor Vario compression adapter PEX 14x2,0-G3/4"FTEuro	25	1 pcs
Uponor Vario compression adapter PEX 16x1,8/2,0-G3/4"FTEuro	25	1 pcs
Uponor Vario compression adapter PEX 17x2,0-G3/4"FTEuro	25	1 pcs

Tecto



Item no.	d mm	l mm	z mm
1058659	14	39	5
1058660	16		
1058661	17		

Uponor Q&E coupling, rings DR

For connection of Uponor PE-Xa pipes, made of brass.

Description	unit 2	unit
Uponor Q&E coupling, rings DR 14-14	100	10 pcs
Uponor Q&E coupling, rings DR 16x1,8/2,0-16x1,8/2,0	100	20 pcs
Uponor Q&E coupling, rings DR 17-17	100	10 pcs

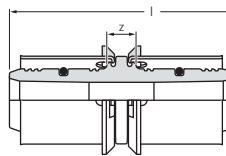


Item no.	d mm	colour -
1058428	14	natural
1042389	16	natural
1058429	17	natural

Uponor Q&E ring natural

Made of PE-Xa. Uponor PE-Xa rings natural intended for Uponor Q&E Fittings.

Description	unit 2	unit
Uponor Q&E ring natural, eval 14	1200	20 pcs
Uponor Q&E ring with stop edge natural, eval 16	900	20 pcs
Uponor Q&E ring natural, eval 17	800	20 pcs



Item no.	d mm	l mm	z mm
1022736	16	51	3

Uponor S-Press composite coupling PPSU

Made of PPSU with fixed press sleeve made of stainless steel, stop ring and test safety. Press without bevel.

Description	unit 2	unit
Uponor S-Press composite coupling PPSU 16-16	80	10 pcs



Item no.	d mm	r mm
1000118	14-17	90

Uponor Multi bend support plastic

Made of impact resistant plastic as bend support 90° bends in the manifold area.

Description	unit 2	unit
Uponor Multi bend support plastic 14-17	250	50 pcs

Tecto

Uponor Multi joint profile

Self-adhesive joint profile element made of PP with polyethylene foam expansion strip, 10 mm thick, for the reliable separation of screed sections (e.g. in doorways), and to absorb expansion of screed.

For expansion joints as per DIN 18560-2.

Height: 100 mm

Material thickness: 10 mm

Length: 1.8 m



Item no.	s mm	L m	h mm	Description	unit
1064355 NEW	10	1,8	100	Uponor Multi joint profile 1800x100x10mm	18 m

Uponor Multi joint protection tube

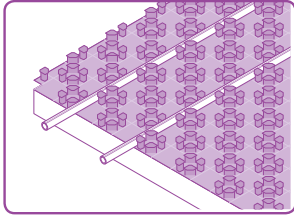
Made of PE-LD, with slit opening, for protection of pipes up to 20 mm in areas of expansion joints.

Length: 300 mm



Item no.	s mm	l mm	b mm	Description	unit 2	unit
1000082	5	300	80	Uponor Multi joint protection tube max 20mm 300x5mm	180	30 pcs

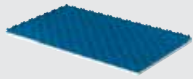
Nubos



The Uponor installation panel has been specially developed for the installation of 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. Uponor installation panels are available in two different thicknesses with insulation (ND30-2) and without insulation (ND11), catering for various floor constructions and load-bearing requirements.



Line Components



Nubos



Comfort Pipe & Fitting



Line Accessories

Your benefits

Easy: Only few, optimally matched system components

Free choice: Multi-layer composite pipe or PE-Xa pipe (DIM 14/16)

Reliability: Long-term proven Uponor quality

System accessories



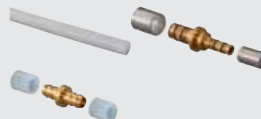
**Vario PLUS
Manifolds/Cabinets**



Room controls



**Fluvia
Pump groups**



Supply lines



Tools

Nubos

Uponor Nubos panel

For cement and self-levelling cement screeds; allows for right-angled or diagonal pipe installation at 6 plus 4 different pipe distances; for optimised heating pipe installation based on actual room geometry with minimum cut-offs thanks to sophisticated system technology; allows for fast and easy installation of the hard/soft PS rigid foam panels with overlapping foil edges. Meets the requirements for standard impact noise insulation (DIN 4109), thermal insulation (DIN EN1264), DIN EN 13501-1 fire classification: class E, fire safety (DIN 4102) B2 and heat output (DIN EN 1264), irrespective of the pipe spacing; the height and distance of the sturdy pipe holders (DIN EN 1264) are fixed to prevent shifting of the pipes; the overlapping application foil acts as a damp-proofing course and eliminates sound bridges (DIN 18560); protects the environment thanks to use of environmentally friendly PS. Properties subject to continuous RAL quality monitoring.

Pipe spacing with right-angle installation: RA 5.5 - 11 - 16.5 - 22 - 27.5 - 33 cm

Pipe spacing with diagonal installation: RA 7.5 - 15 - 22.5 - 30 cm

Type: 30-2 mm, for universal use in residential and commercial buildings up to 5 kN/m²

EPS 040 DES sg

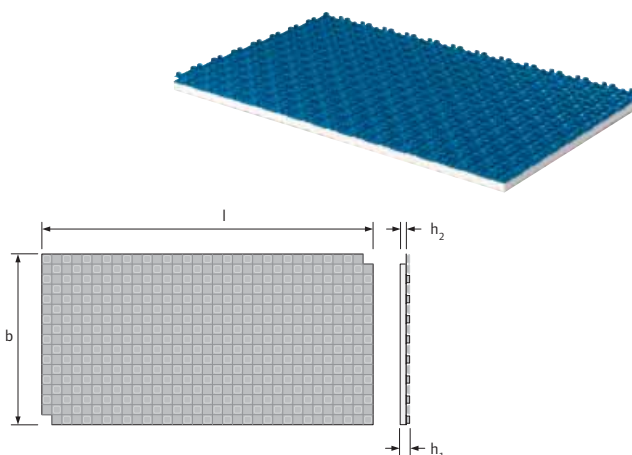
Dimensions: 1447 x 900 mm

Plate thickness: 48 mm

Impact noise insulation: 28 dB

Application range: up to 5 kN/m²

Thermal resistance: $R[\lambda] = 0.75 \text{ m}^2\text{K/W}$



Item no.	ΔL_{wI} dB	b mm	h1 mm	h2 mm	A m ²
1016699	28	1447	900	50/48	30-2 1.25

Description	unit 2	unit
Uponor Nubos panel EPS 30-2 14-16mm 1447x900x48mm	60	10 m ²

Uponor Nubos panel

For cement and self-levelling cement screeds; allows for right-angled or diagonal pipe installation at 6 plus 4 different pipe distances; for optimised heating pipe installation based on actual room geometry with minimum cut-offs thanks to sophisticated system technology; allows for fast and easy installation of the hard/soft PS rigid foam panels with overlapping foil edges. Meets the requirements for standard impact noise insulation (DIN 4109), thermal insulation (DIN EN1264), DIN EN 13501-1 fire classification: class E, fire safety (DIN 4102) B2 and heat output (DIN EN 1264), irrespective of the pipe spacing; the height and distance of the sturdy pipe holders (DIN EN 1264) are fixed to prevent shifting of the pipes; the overlapping application foil acts as a damp-proofing course and eliminates sound bridges (DIN 18560); protects the environment thanks to use of environmentally friendly PS. Properties subject to continuous RAL quality monitoring.

Pipe spacing with right-angle installation: RA 5.5 - 11 - 16.5 - 22 - 27.5 - 33 cm

Pipe spacing with diagonal installation: RA 7.5 - 15 - 22.5 - 30 cm

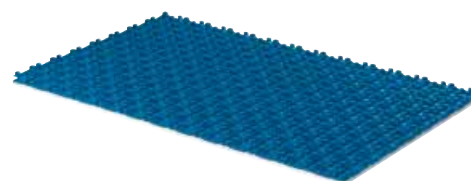
Type: 11 mm, for universal use in residential and commercial buildings up to 30 kN/m²

EPS 035 DE0 dm (100kPa)

Dimensions: 1447 x 900 mm

Plate thickness: 29 mm

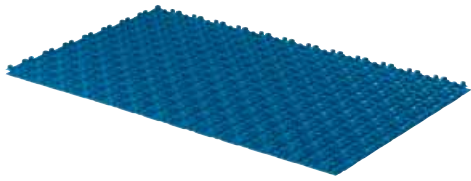
Application range: up to 30 kN/m²



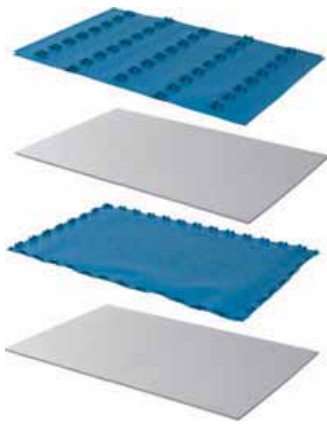
Item no.	ΔL_{wI} dB	b mm	h1 mm	h2 mm	A m ²	
1016700	0	1447	900	29	11	1.25

Description	unit 2	unit
Uponor Nubos panel EPS 11 14-16mm 1447x900x29mm	100	10 m ²

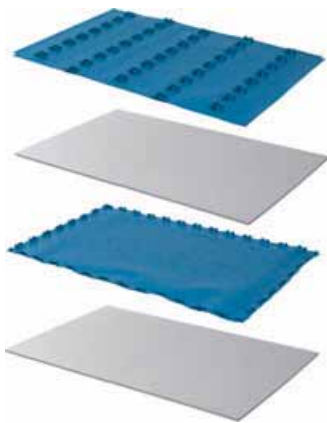
Nubos



Item no.	ΔLwI dB	mm	b mm	h1 mm	A m ²
1016703	0	1447	900	18	1.25
1061880	0	1447	900	18	1.25



Item no.	ΔLwI dB	mm	b mm	h1 mm	h2 mm	A m ²
1016701	28	1420	900	50/48	30-2	1.25



Item no.	ΔLwI dB	mm	b mm	h1 mm	h2 mm	A m ²
1016702	0	1447	900	29	11	1.25

Uponor Nubos foil

Foil element without foamed back panel. Vacuum-formed PS deep-drawn foil made of impact-proof polystyrene with integrated pipe fixing studs for proper pipe spacing and exact installation of the Uponor system pipes at the required height. The deep-drawn foil overlaps on two sides; when laid in a staggered pattern, the foil layer is thus continuous. For installation on top of insulation layer.

Right-angled: RA 5.5 – 11 – 16,5 – 22 – 27.5 – 33 cm

Diagonal: RA 7.5 – 15 – 22.5 – 30 cm

Dimensions of element foil: 1447 x 900 mm

Description	unit 2	unit
Uponor Nubos foil 14-16mm 1447x900x18mm	140	10 m ²
Uponor Nubos foil 200m2 14-16mm 1447x900x18mm		200 m ²

Uponor Nubos set

For universal use, facilitating pipe laying near manifolds thanks to special manifold element. Stud overlap allows for easy integration into element structure. Door element designed for straight door openings; can be cut into customised door element strips. Per panel, you can cut 10 strips catering for 5 doors. Universal use of element thanks to easy adjustment to complex

room geometries including angled door openings.

Type: 30-2 VT

EPS 040 DES sg

Dimensions: 1447 x 900 mm

Application range: up to 5 kN/m²

consisting of:

2.5 m² manifold element foil (2 panels)

2.5 m² door element foil (2 panels)

5 m² 30-2 mm thermal and impact noise insulation (4 panels)

Description	unit 2	unit
Uponor Nubos set EPS 30-2 14-16mm 1447x900x48mm	50	5 m ²

Uponor Nubos set

For universal use, facilitating pipe laying near manifolds thanks to special manifold element. Stud overlap allows for easy integration into element structure. Door element designed for straight door openings; can be cut into customised door element strips. Per panel, you can cut 10 strips catering for 5 doors. Universal use of element thanks to easy adjustment to complex

room geometries including angled door openings.

Type: 11 VT

EPS 035 DEO dm (100 kPa)

Dimensions: 1447 x 900 mm

Application range: up to 30 kN/m²

consisting of:

2.5 m² manifold element foil (2 panels)

2.5 m² door element foil (2 panels)

5 m² 11mm thermal insulation (4 panels)

Description	unit 2	unit
Uponor Nubos set EPS 11 14-16mm 1447x900x29mm	50	5 m ²

Nubos

Uponor Nubos panel cutting tool

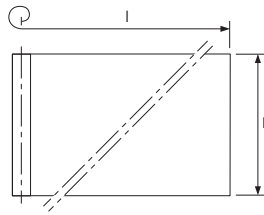
For the easy cutting of Uponor pipe fixing system panels.



Item no.	Description	unit
1016724	Uponor Nubos panel cutting tool	1 pcs

Uponor Multi foil

For installation on Uponor insulation or on standardised insulating material approved as clamp protection.
Prevents screed penetrating the underlying insulation.
As well as separating mebrane/craft paper in dry construction UFH.



Item no.	s mm	L m	B m	Description	unit 2	unit
1005049	0.2	60	1.25	Uponor Multi foil PE 0,2mm 60x1,25m	3375	75 m ²

Uponor Multi foil nail

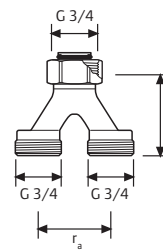
For fixing the foil on insulation. Lenght: 25 mm



Item no.	l mm	Description	unit
1000016	25	Uponor Multi foil nail l=25mm	100 pcs

Uponor Fluvia Y compression adapter

For extension of PUSH-12 pumpgroups with 2 loops, secondary connection G3/4 eurocone, set with 2 branch connectors.



Item no.	l mm	c/c mm	Description	unit 2	unit
1005675	50	40	Uponor Fluvia Y compression adapter 2xG3/4-3/4" Euro	50	1 set

Uponor Multi joint profile

Self-adhesive joint profile element made of PP with polyethylene foam expansion strip, 10 mm thick, for the reliable separation of screed sections (e.g. in doorways), and to absorb expansion of screed.
For expansion joints as per DIN 18560-2.
Height: 100 mm
Material thickness: 10 mm
Length: 1.8 m



Item no.	s mm	L m	h mm	Description	unit
1064355 NEW	10	1,8	100	Uponor Multi joint profile 1800x100x10mm	18 m

Nubos

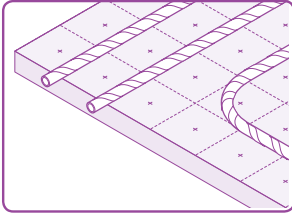


Uponor Multi joint protection tube

Made of PE-LD, with slit opening, for protection of pipes up to 20 mm in areas of expansion joints.
Length: 300 mm

Item no.	s mm	l mm	b mm	Description	unit 2	unit
1000082	5	300	80	Uponor Multi joint protection tube max 20mm 300x5mm	180	30 pcs

Klett



With its self attaching system, Uponor offers installers an innovating pipe laying system for under-floor heating pipes. At the factory, hook fastening tape is wound around the oxygentight pipes conforming to DIN 4726. The system insulating panel, which can also be used as a stapler panel, is completely covered

with the matching laminated loop foil. The pipe can be reeled off and laid on the floor as usual and only needs to be pressed at the correct position against the laminated insulating panel. The hooks on the tape around the pipe catch the loops on the foil and thus secure the pipe to the surface. Both the hook take and the loop foil are designed to guarantee maximum fixture.



Line Components



Klett



Comfort Pipe & Fitting



Accessories

Your benefits

Unique and fast: Micro-interlocking for maximum holding force, easy pipe laying without any special tools

Flexible: Repositioning of pipes at any time

Free choice: Multi-layer composite pipe or PE-Xa pipe (DIM 14/16)

Reliability: Long-term proven Uponor quality

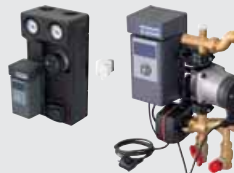
System accessories



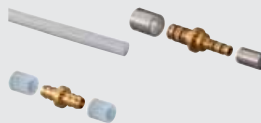
Vario PLUS
Manifolds/Cabinets



Room controls



Fluvia
Pump groups



Supply lines



Tools

Klett



Uponor Klett panel roll Extra

Heat/sound insulation roll panel, consists of tear-resistant loop foil matching with the hook fastening tape wound around the Klett MLCP or Pex-a pipes, laminated onto EPS according to DIN EN 13163 and DIN V 4108-10.

DIN EN 13501-1 fire classification: class E. Standard flammability, building-material class B2, conforming to DIN 4102.

Suitable for use in area between floors, where rooms on either side are heated to same level.

Foil on the panel is printed with 100mm grid pattern and has self-adhesive strip at the longer edge for butt-joint panels connection.

Max moving loads:

CP-2 - 5.0 kN/m²

CP-3 - 4.0 kN/m²

Item no.		ΔLwG dB	kN/m^2	l mm	R-value m^2K/W	b mm	h mm
1063402	NEW	28	4	10000	0.56	1000	25-2
1063323	NEW	29	4	10000	0.67	1000	30-3

Description	unit 2	unit
Uponor Klett panel roll Extra EPS DES 25-2mm 10x1m	80	10 m ²
Uponor Klett panel roll Extra EPS DES 30-3mm 10x1m	80	10 m ²



Uponor Klett panel

Pipe fixing panel, for thermal insulation according to DIN EN 13163 and DIN 4108-10; made from EPS rigid foam with laminated textile adhesive foil for overlap installation; foil extending on one side to cover insulating layer according to DIN 18560.

Foil raster: 100 x 100 mm

DIN EN 13501-1 fire classification: class E

Item no.		ΔLwG dB	kN/m^2	l mm	R-value m^2K/W	b mm	h mm	A m^2
1007234		-	30	2000	0.38	1000	15	2

Description	unit 2	unit
Uponor Klett panel EPS DEO 15mm 2x1m	140	20 m ²



Uponor Multi tape roll

Roll length 66m.

Item no.	L m	b mm
1000012	66	50

Description	unit
Uponor Multi tape roll 66m 50mm	1 pcs



Uponor Klett Comfort Pipe

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol) in natural colour with a blue stripe. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

Application class 4 - Underfloor heating and low temperature radiators.

Max design temperature: 90°C

Malfunction temperature 100°C

Design pressure 6 Bar at 70°C

Fire class: E according to DIN EN 13501-1

Item no.	d mm	s mm	L m
1047624	16	1.8	240
1047625	16	1.8	640

Description	unit 2	unit
Uponor Klett Comfort Pipe 16x1,8 240m	1200	240 m
Uponor Klett Comfort Pipe 16x1,8 640m	1280	640 m

Klett

Uponor Klett MLCP RED

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



Item no.	d mm	s mm	L m
1048249	16	2	200
1048395	16	2	500

Description	unit 2	unit
Uponor Klett MLCP RED 16x2 200m	1600	200 m
Uponor Klett MLCP RED 16x2 500m	2000	500 m

Uponor Vario compression adapter PEX

Compression adapter made of brass, with integrated clamp ring, for connection of Uponor PE-Xa pipes to manifolds with thread 3/4" eurocone, acc. EN 16313.

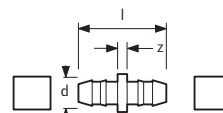


Item no.	d mm	IG "	s mm	SW mm
1065284 NEW	16	G3/4"	1,8/2,0	30

Description	unit 2	unit
Uponor Vario compression adapter PEX 16x1,8/2,0-G3/4"FTEuro	25	1 pcs

Uponor Q&E coupling, rings DR

For connection of Uponor PE-Xa pipes, made of brass.



Item no.	d mm	l mm	z mm
1058660	16		

Description	unit 2	unit
Uponor Q&E coupling, rings DR 16x1,8/2,0-16x1,8/2,0	100	20 pcs

Uponor Q&E ring natural

Made of PE-Xa. Uponor PE-Xa rings natural intended for Uponor Q&E Fittings.

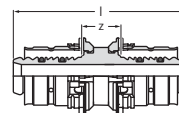


Item no.	d mm	colour
1042389	16	natural

Description	unit 2	unit
Uponor Q&E ring with stop edge natural, eval 16	900	20 pcs

Uponor S-Press coupling

Made of tin-plated brass, with fixed press sleeve, stop ring, pressed identification, colour code and test safety. Press without bevel.



Item no.	d mm	l mm	z mm
1015164	16	55	12

Description	unit 2	unit
Uponor S-Press coupling 16-16	80	10 pcs

Klett



Item no.	d mm	r mm
1000118	14-17	90

Uponor Multi bend support plastic

Made of impact resistant plastic as bend support 90° bends in the manifold area.

Description	unit 2	unit
Uponor Multi bend support plastic 14-17	250	50 pcs



Item no.	s mm	L m	h mm	colour -
1000080	10	50	150	blue

Uponor Multi edging strip with foil

For installation between screed and adjacent building parts for floor constructions according to DIN 18560 and DIN EN 1264; with multiple tear perforation, laminated PE foil, self-adhesive sealing strips, particularly suitable for self-levelling screeds; bottom side adhesive for attachment to wall and exact installation in wall corners

Material: Closed-cell polyethylene PE-LD

Building material class: B2

Description	unit 2	unit
Uponor Multi edging strip with foil PE 50m 150x10mm	200	200 m



Item no.	s mm	L m	h mm
1064355 NEW	10	1,8	100

Uponor Multi joint profile

Self-adhesive joint profile element made of PP with polyethylene foam expansion strip, 10 mm thick, for the reliable separation of screed sections (e.g. in doorways), and to absorb expansion of screed.

For expansion joints as per DIN 18560-2.

Height: 100 mm

Material thickness: 10 mm

Length: 1.8 m

Description	unit
Uponor Multi joint profile 1800x100x10mm	18 m



Item no.	s mm	l mm	b mm
1000082	5	300	80

Uponor Multi joint protection tube

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

Length: 300 mm

Description	unit 2	unit
Uponor Multi joint protection tube max 20mm 300x5mm	180	30 pcs

Klett

Uponor Klett spreader bar tool

Expansion rod with pipe laying mount



Item no.	Description	unit	
1007179	Uponor Klett spreader bar tool	1	pcs

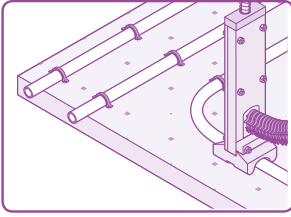
Uponor Klett gloves for hauling

for a better handling from the Uponor Self Attaching Pipes.



Item no.	Description	unit	
1048675	Uponor Klett gloves for hauling BLUE	1	pcs

Tacker



All components of the Uponor tacker system are designed to perfectly match each other. The panels with thermal and impact noise insulation are equipped with a tear-proof surface and a printed installation grid. They allow for easy installation of the system pipe. These and all other components are designed to ensure optimum safety and reliable operation of the system.



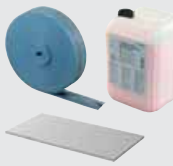
Line Components



Tacker



Comfort Pipe & Fitting

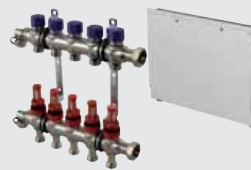


Accessories

Your benefits

- Flexible products available as composite panels or rolls with a range of different thermal and impact noise insulation layers.
- Suitable for all types of screeds.
- Fast to install thanks to the integrated insulation layer cover.
- Universal tacker pipe clip for pipe thickness of 14 – 20 mm.
- Easy installation with ergonomically designed Uponor system stapler.

System accessories



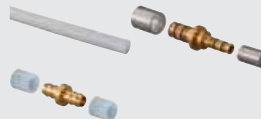
**Vario
Manifolds/Cabinets**



Room controls



**Fluvia
Pump groups**



Supply lines



Tools

Tacker

Uponor Tacker panel roll Extra

Heat/sound insulation roll panel, consists of tear-resistant texture foil laminated onto EPS according to DIN EN 13163 and DIN V 4108-10. DIN EN 13501-1 fire classification: class E. Standard flammability, building-material class B2, conforming to DIN 4102.

Suitable for use in area between floors, where rooms on either side are heated to same level.

Foil on the panel is printed with 100mm grid pattern and has self-adhesive strip at the longer edge for butt-joint panels connection.

Max moving loads:

CP-2 - 5.0 kN/m²

CP-3 - 4.0 kN/m²



Item no.		Δ Lw G dB	kN/m ²	I mm	R-value m ² K/W	b mm	h mm	Total Capacity kPa
1063292	NEW	28	5	10000	0.75	1000	30-2	10
1063293	NEW	29	4	10000	0.67	1000	30-3	6.5

Description	unit 2	unit
Uponor Tacker panel roll Extra EPS DES 30-2mm 10x1m	80	10 m ²
Uponor Tacker panel roll Extra EPS DES 30-3mm 10x1m	80	10 m ²

Uponor Multi tape roll

Roll length 66m.



Item no.	L m	b mm
1000012	66	50

Description	unit
Uponor Multi tape roll 66m 50mm	1 pcs

Uponor Tacker pipe clip, standard

Pipe staple „Standard“ in blue, loaded into magazine for securing heating-system pipes onto insulation. For Uponor pipes 14 - 20 mm.



Item no.	d mm
1002296	14-20

Description	unit
Uponor Tacker pipe clip, standard 14-20mm h=40mm	1000 pcs

Uponor Tacker pipe clip, long

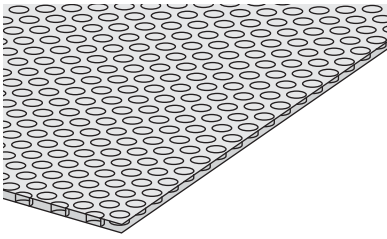
Pipe staple „Long“ in grey, loaded into magazine for securing heating-system pipes onto insulation. For Uponor pipes 14 - 20 mm.



Item no.	d mm
1002297	14-20

Description	unit
Uponor Tacker pipe clip, long 14-20mm h=55mm	300 pcs

Tacker



Item no.	s mm	G kN/m ²	L m	B m
1000017	4	15	60	1

Uponor Multi foil

Multi-layer reflection and impact foil, designed to improve thermal insulation and distribution; also serving as damping course. With printed raster.

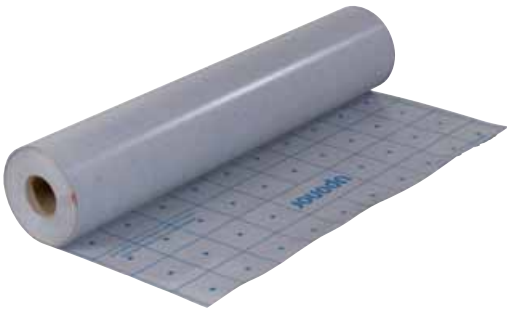
Load capacity: 15 kN/m²

Roll width: 1 m

Roll length: 60 m

Foil height: 4 mm

Description	unit
Uponor Multi foil 4mm 60x1m	60 m ²



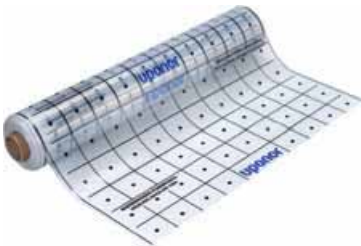
Item no.	s mm	L m	B m
1000015	0.25	100	1.03

Uponor Multi texture foil with raster

0,25 mm-thick foil with printed on pattern 100 x 100 mm for laying over existing heat/sound insulation and fixation of clamp tracks. Prevents screed from flowing down into the insulating layer.

Dimensions: 100 m x 1.03 m

Description	unit
Uponor Multi texture foil with raster 0,25mm 100x1,03m	103 m ²



Item no.	L m	B m	d mm
1067472	100	1,03	0,20

Uponor Multi foil with raster transp.

0,20mm-thick transparent foil with printed pattern 100x100 mm for laying over existing heat/sound insulation and fixation of clamp tracks. Prevents screed from flowing down into the insulating layer.

Dimensions: 100x1,03 m

Thickness: 0,2mm

Colure: transparent

Description	unit
Uponor Multi foil with raster transp. 0,2mm 100x1,03m	m ²



Item no.	l mm
1000016	25

Uponor Multi foil nail

For fixing the foil on insulation. Length: 25 mm

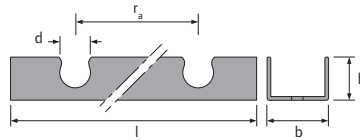
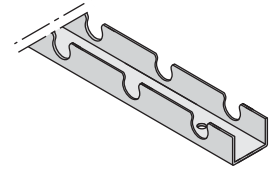
Description	unit
Uponor Multi foil nail l=25mm	100 pcs

Tacker

Uponor Fix clamp track U-profile

U-profile strip made of recycled material, with integrated pipe holder for Uponor pipes.

Rated break points are provided every 100 mm for easy separation.



Item no.	d mm	l mm	b mm	h mm	c/c mm	Description	unit
1005498	14	2500	38	17	50	Uponor Fix clamp track U-profile 14mm c/c50mm 2,5m	25 m
1013127	16	2000	40	25	25	Uponor Fix clamp track U-profile holes 16mm c/c25mm 2m	100 m

Uponor Fix clamp track with glue

Self-adhesive U-profile strip made of recycled material, with integrated pipe holder for Uponor pipes 14-20 mm.

Length of track: 1 m

Width of track: 50 mm

Space between pipe holders: 50 mm c/c

Installation height with pipe: 27 mm



Item no.	l mm	b mm	h mm	c/c mm	Description	unit
1000018	1000	50	27	50	Uponor Fix clamp track with glue 14-20mm c/c50mm 1m	100 m

Uponor Fix clamp track nail

The purpose of the fastening nail is to fix the Uponor clamp track and the fixing-foil or the pipe positioning panel to the underlying layer of insulation. Can also be used for additional manual fastening of Uponor MLC and PE-Xa pipes.



Item no.	Description	unit
1000019	Uponor Fix clamp track nail 14-20mm	500 pcs

Uponor Multi bend support plastic

Made of impact resistant plastic as bend support 90° bends in the manifold area.



Item no.	d mm	r mm	Description	unit 2	unit
1000118	14-17	90	Uponor Multi bend support plastic 14-17	250	50 pcs
1001229	20	100	Uponor Multi bend support plastic 20		50 pcs

Tacker



Item no.	s mm	L m	h mm	colour -
1000079	8	50	150	blue

Uponor Multi edging strip with foil

Edging strip conforming to DIN 18560, made of polyethylene with self-adhesive strip on outer face provides tight seal between edging strip and insulation. Length of roll: 50 m

Description	unit 2	unit
Uponor Multi edging strip with foil PE 50m 150x8mm	200	20 m



Item no.	s mm	L m	h mm	colour -
1000080	10	50	150	blue

Uponor Multi edging strip with foil

For installation between screed and adjacent building parts for floor constructions according to DIN 18560 and DIN EN 1264; with multiple tear perforation, laminated PE foil, self-adhesive sealing strips, particularly suitable for self-levelling screeds; bottom side adhesive for attachment to wall and exact installation in wall corners

Material: Closed-cell polyethylene PE-LD
Building material class: B2

Description	unit 2	unit
Uponor Multi edging strip with foil PE 50m 150x10mm	200	200 m



Item no.	s mm	L m	h mm
1064355 NEW	10	1,8	100

Uponor Multi joint profile

Self-adhesive joint profile element made of PP with polyethylene foam expansion strip, 10 mm thick, for the reliable separation of screed sections (e.g. in doorways), and to absorb expansion of screed.

For expansion joints as per DIN 18560-2.

Height: 100 mm

Material thickness: 10 mm

Length: 1.8 m

Description	unit
Uponor Multi joint profile 1800x100x10mm	18 m



Item no.	s mm	l mm	b mm
1000082	5	300	80

Uponor Multi joint protection tube

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

Length: 300 mm

Description	unit 2	unit
Uponor Multi joint protection tube max 20mm 300x5mm	180	30 pcs

Tacker

Uponor Multi UFHC roller manual

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



Item no.	Description	unit	
1000142	Uponor Multi UFHC roller manual	1	pcs

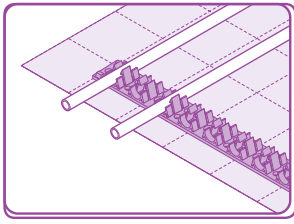
Uponor Tacker clip stapler magazine

High-precision, wear-proof tool for pinning with staples in magazines, with curved magazine.



Item no.	Description	unit	
1002295	Uponor Tacker clip stapler magazine 14-20mm l=700mm	1	pcs

FIX 14-20



All components of the Uponor clamp track system are designed to perfectly match each other. The panels with thermal and impact noise insulation are equipped with a tear-proof surface and a printed installation grid. They allow for easy installation of the system pipe. These and all other components are designed to ensure optimum safety and reliable operation of the system.



Line Components



Fix clamp track



Comfort Pipe & Fitting

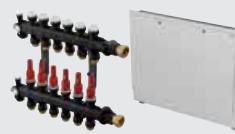


Accessories

Your benefits

- Flexible pipe laying available as composite panels or rolls with a range of different thermal and impact noise insulation layers.
- Suitable for all types of screeds.
- Large pipe coils reel for minimum cut-offs and twist-free installation.
- Fast to install thanks to the integrated insulation layer cover.
- Universal for pipe thickness of 14 – 20 mm.

System accessories



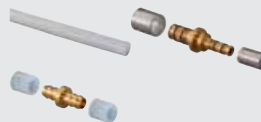
**Vario PLUS
Manifolds/Cabinets**



Room controls



**Fluvia
Pump groups**



Supply lines



Tools

FIX 14-20

Uponor Multi tape roll

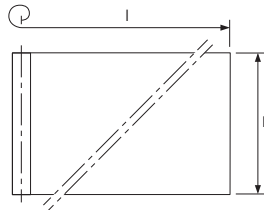
Roll length 66m.



Item no.	L m	b mm	Description	unit
1000012	66	50	Uponor Multi tape roll 66m 50mm	1 pcs

Uponor Multi foil

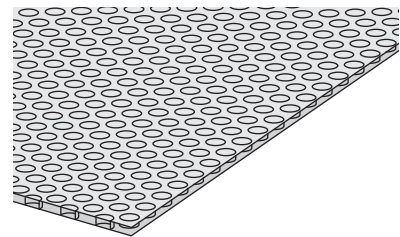
For installation on Uponor insulation or on standardised insulating material approved as clamp protection.
Prevents screed penetrating the underlying insulation.
As well as separating mebrane/craft paper in dry construction UFH.



Item no.	s mm	L m	B m	Description	unit 2	unit
1005049	0.2	60	1.25	Uponor Multi foil PE 0,2mm 60x1,25m	3375	75 m ²

Uponor Multi foil

Multi-layer reflection and impact foil, designed to improve thermal insulation and distribution; also serving as damping course. With printed raster.
Load capacity: 15 kN/m²
Roll width: 1 m
Roll length: 60 m
Foil height: 4 mm



Item no.	s mm	G kN/m ²	L m	B m	Description	unit
1000017	4	15	60	1	Uponor Multi foil 4mm 60x1m	60 m ²

Uponor Multi foil nail

For fixing the foil on insulation. Length: 25 mm



Item no.	l mm	Description	unit
1000016	25	Uponor Multi foil nail l=25mm	100 pcs

Uponor Fix clamp track with glue

Self-adhesive U-profile strip made of recycled material, with integrated pipe holder for Uponor pipes 14-20 mm.
Length of track: 1 m
Width of track: 50 mm
Space between pipe holders: 50 mm c/c
Installation height with pipe: 27 mm



Item no.	l mm	b mm	h mm	c/c mm	Description	unit
1000018	1000	50	27	50	Uponor Fix clamp track with glue 14-20mm c/c50mm 1m	100 m

FIX 14-20



Item no.

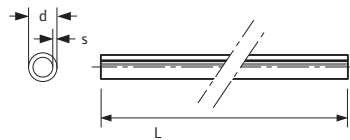
1000019

Description

Uponor Fix clamp track nail
14-20mm

unit

500 pcs



Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

Application class 4+5/ 6 bar

Max design temperature: 90°C

Malfunction temperature: 100°C

Design pressure 6/8 bar at 90°C/70°C

Fire class: E according DIN EN 13501-1

Item no.	d mm	s mm	L m	V l/m
1034535	17	2.0	120	0.13
1009226	17	2.0	240	0.13
1009227	17	2.0	640	0.13
1009228	20	2.0	120	0.2
1009230	20	2.0	240	0.2
1009231	20	2.0	480	0.2

Description

Uponor Comfort Pipe PLUS
17x2,0 120m

unit 2

840

unit

120 m

Uponor Comfort Pipe PLUS
17x2,0 240m

1200

240 m

Uponor Comfort Pipe PLUS
17x2,0 640m

1280

640 m

Uponor Comfort Pipe PLUS
20x2,0 120m

840

120 m

Uponor Comfort Pipe PLUS
20x2,0 240m

960

240 m

Uponor Comfort Pipe PLUS
20x2,0 480m

960

480 m



Item no.	d mm	IG "	s mm	SW mm
1065286 NEW	17	G3/4"	2,0	30
1065290 NEW	20	G3/4"	1,9/2,0	30

Description

Uponor Vario compression adapter
PEX 17x2,0-G3/4" FTEuro

unit 2

25

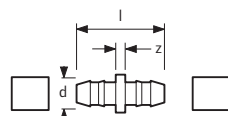
unit

1 pcs

Uponor Vario compression adapter
PEX 20x1,9/2,0-G3/4" FTEuro

25

1 pcs



Item no.	d mm	l mm	z mm
1058668	20		

Uponor Q&E coupling, rings DR

For connection of Uponor PE-Xa pipes, made of brass.

Description

Uponor Q&E coupling, rings
DR 20x2,0-20x2,0

unit 2

100

unit

10 pcs

FIX 14-20

Uponor Q&E ring natural

Made of PE-Xa. Uponor PE-Xa rings natural intended for Uponor Q&E Fittings.



Item no.	d mm	colour -	Description	unit 2	unit	
1042837	20	natural	Uponor Q&E ring with stop edge natural, eval 20	520	20	pcs

Uponor Multi bend support plastic

Made of impact resistant plastic as bend support 90° bends in the manifold area.



Item no.	d mm	r mm	Description	unit 2	unit	
1000118	14-17	90	Uponor Multi bend support plastic 14-17	250	50	pcs
1001229	20	100	Uponor Multi bend support plastic 20		50	pcs

Uponor Multi joint profile

Self-adhesive joint profile element made of PP with polyethylene foam expansion strip, 10 mm thick, for the reliable separation of screed sections (e.g. in doorways), and to absorb expansion of screed.

For expansion joints as per DIN 18560-2.

Height: 100 mm

Material thickness: 10 mm

Length: 1.8 m



Item no.	s mm	L m	h mm	Description	unit	
1064355 NEW	10	1,8	100	Uponor Multi joint profile 1800x100x10mm	18	m

Uponor Multi joint protection tube

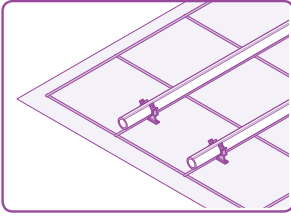
Made of PE-LD, with slit opening, for protection of pipes up to 20 mm in areas of expansion joints.

Length: 300 mm



Item no.	s mm	l mm	b mm	Description	unit 2	unit	
1000082	5	300	80	Uponor Multi joint protection tube max 20mm 300x5mm	180	30	pcs

Classic



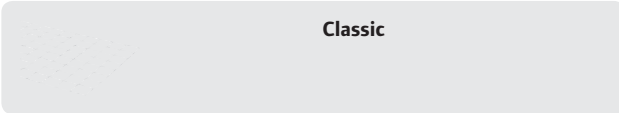
The Uponor Classic is the ideal solution for underfloor heating/cooling systems on virtually all floors in new residential and commercial buildings. Available in three raster sizes, Uponor Classic allows you to optimise the pipe spacing to meet the actual heating needs. As the heating layer is separated from the

insulation layer(s), the system, in combination with high-payload insulation, is also ideally suited for areas with high traffic and payload, such as garage showrooms, production halls, retail outlets, etc.

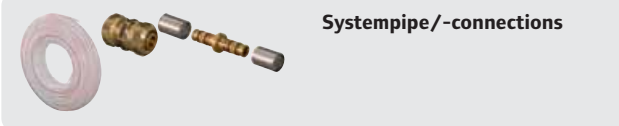


Line Components

Classic



Systempipe/-connections



Accessories



Your benefits

Cost efficient: Flexible, fast and easy to install

Free choice: Free hand when choosing your insulation material

Security: No damage to insulation covering

Reliability: Long-term proven system

System accessories



Vario PLUS
Manifolds/Cabinets



Room controls



Fluvia
Pump groups



Supply lines

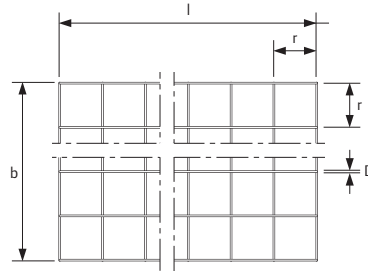
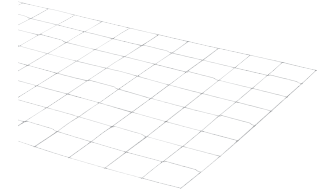


Tools

Classic

Uponor Classic steel mesh, coated

For stable attachment of pipe fixations and standard installation of under-floor heating pipes. Dim. 2100mm x 1200mm.
Material: corrosion protected steel.

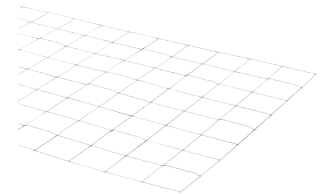


Item no.	d mm	r mm	l mm	b mm	A m ²
1005084	3	100	2100	1200	2.5
1005087	3	150	2100	1200	2.5

Description	unit 2	unit
Uponor Classic steel mesh, coated 100mm 2100x1200x3mm	625	25 m ²
Uponor Classic steel mesh, coated 150mm 2100x1200x3mm	625	25 m ²

Uponor Classic steel mesh

3mm wire steel mesh 100mm distance without primer suitable to use in combination with Uponor Classic Clips 16, 17, 20mm for fixing Uponor pipes.
Meshes without primer.



Item no.	d mm	r mm	l mm	b mm	A m ²
1063406 NEW	3	100	2100	1200	2.5
1063407 NEW	3	150	2100	1200	2.5

Description	unit 2	unit
Uponor Classic steel mesh 100mm 2100x1200x3mm	625	25 m ²
Uponor Classic steel mesh 150mm 2100x1200x3mm	625	25 m ²

Uponor Classic tying wire

For fastening Uponor pipes on reinforcement steel meshes. Made of steel.
250 pcs per bag.



Item no.	l mm	b mm
1009222	150	1.25

Description	unit
Uponor Classic tying wire 150x1,25mm 250pcs	250 pcs

Uponor Multi cable ties

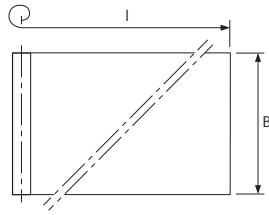
For fastening pipes on reinforcement steel meshed.
Made of polyamide.



Item no.	l mm	b mm
1005287	200	5

Description	unit 2	unit
Uponor Multi cable ties PA 200mm	13000	100 pcs

Classic



Uponor Multi foil

For installation on Uponor insulation or on standardised insulating material approved as clamp protection.

Prevents screed penetrating the underlying insulation.

As well as separating mebrane/craft paper in dry construction UFH.

Item no.	s mm	L m	B m
1005049	0.2	60	1.25

Description	unit 2	unit
Uponor Multi foil PE 0,2mm 60x1,25m	3375	75 m ²

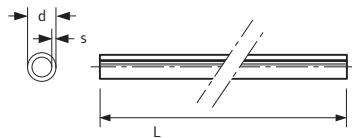


Uponor Multi foil nail

For fixing the foil on insulation. Length: 25 mm

Item no.	l mm
1000016	25

Description	unit
Uponor Multi foil nail l=25mm	100 pcs



Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

Application class 4+5/ 6 bar

Max design temperature: 90°C

Malfunction temperature: 100°C

Design pressure 6/10 bar at 90°C/70°C

Fire class: E according DIN EN 13501-1

Item no.	d mm	s mm	L m
1062044 NEW	16	2.0	120
1062045	16	2.0	240
1062046 NEW	16	2.0	640

Description	unit 2	unit
Uponor Comfort Pipe PLUS 16x2,0 120m	1080	120 m
Uponor Comfort Pipe PLUS 16x2,0 240m	1440	240 m
Uponor Comfort Pipe PLUS 16x2,0 640m	1280	640 m

Classic

Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

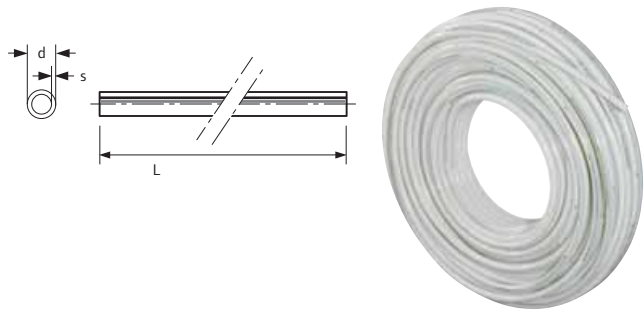
Application class 4+5/ 6 bar

Max design temperature: 90°C

Malfunction temperature: 100°C

Design pressure 6/8 bar at 90°C/70°C

Fire class: E according DIN EN 13501-1



Item no.	d mm	s mm	L m	V l/m	Description	unit 2	unit
1034535	17	2.0	120	0.13	Uponor Comfort Pipe PLUS 17x2,0 120m	840	120 m
1009226	17	2.0	240	0.13	Uponor Comfort Pipe PLUS 17x2,0 240m	1200	240 m
1009227	17	2.0	640	0.13	Uponor Comfort Pipe PLUS 17x2,0 640m	1280	640 m
1009228	20	2.0	120	0.2	Uponor Comfort Pipe PLUS 20x2,0 120m	840	120 m
1009230	20	2.0	240	0.2	Uponor Comfort Pipe PLUS 20x2,0 240m	960	240 m
1009231	20	2.0	480	0.2	Uponor Comfort Pipe PLUS 20x2,0 480m	960	480 m

Uponor Vario compression adapter PEX

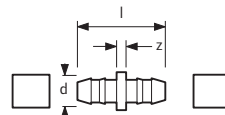
Compression adapter made of brass, with integrated clamp ring, for connection of Uponor PE-Xa pipes to manifolds with thread 3/4" eurocone, acc. EN 16313.



Item no.	d mm	IG "	s mm	SW mm	Description	unit 2	unit
1065284 NEW	16	G3/4"	1,8/2,0	30	Uponor Vario compression adapter PEX 16x1,8/2,0-G3/4"FTEuro	25	1 pcs
1065286 NEW	17	G3/4"	2,0	30	Uponor Vario compression adapter PEX 17x2,0-G3/4"FTEuro	25	1 pcs
1065290 NEW	20	G3/4"	1,9/2,0	30	Uponor Vario compression adapter PEX 20x1,9/2,0-G3/4"FTEuro	25	1 pcs

Uponor Q&E coupling, rings DR

For connection of Uponor PE-Xa pipes, made of brass.



Item no.	d mm	Description	unit 2	unit
1058660	16	Uponor Q&E coupling, rings DR 16x1,8/2,0-16x1,8/2,0	100	20 pcs
1058661	17	Uponor Q&E coupling, rings DR 17-17	100	10 pcs
1058668	20	Uponor Q&E coupling, rings DR 20x2,0-20x2,0	100	10 pcs

Uponor Q&E ring natural

Made of PE-Xa. Uponor PE-Xa rings natural intended for Uponor Q&E Fittings.



Item no.	d mm	colour	Description	unit 2	unit
1042389	16	natural	Uponor Q&E ring with stop edge natural, eval 16	900	20 pcs
1058429	17	natural	Uponor Q&E ring natural, eval 17	800	20 pcs
1042837	20	natural	Uponor Q&E ring with stop edge natural, eval 20	520	20 pcs

Classic



Item no.	d mm	r mm
1000118	14-17	90
1001229	20	100

Uponor Multi bend support plastic

Made of impact resistant plastic as bend support 90° bends in the manifold area.

Description	unit 2	unit
Uponor Multi bend support plastic 14-17	250	50 pcs
Uponor Multi bend support plastic 20		50 pcs



Item no.	s mm	L m	h mm
1064355 NEW	10	1,8	100

Uponor Multi joint profile

Self-adhesive joint profile element made of PP with polyethylene foam expansion strip, 10 mm thick, for the reliable separation of screed sections (e.g. in doorways), and to absorb expansion of screed.

For expansion joints as per DIN 18560-2.

Height: 100 mm

Material thickness: 10 mm

Length: 1.8 m

Description	unit
Uponor Multi joint profile 1800x100x10mm	18 m



Item no.	s mm	l mm	b mm
1000082	5	300	80

Uponor Multi joint protection tube

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

Length: 300 mm

Description	unit 2	unit
Uponor Multi joint protection tube max 20mm 300x5mm	180	30 pcs



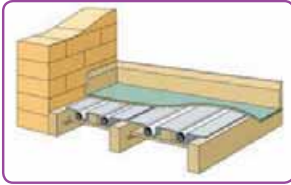
Item no.
1006243

Uponor Classic twisting tool

For twisting of the tying wires while fixing the pipe on steel meshes.

Description	unit
Uponor Classic twisting tool l=320mm	1 pcs

HEP 400



A system for use in timber suspended floors, with joists at 400mm centres. Double track for Uponor pipe at 200mm c/c.

Your benefits

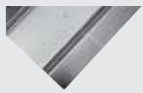
Easy: Can be laid directly on existing joists.

Efficient heat transfer: Direct contact between plate and floor covering

Universal: available for different joist pitches and sprung floor systems



Line Components



Panels



Pipes



Accessories

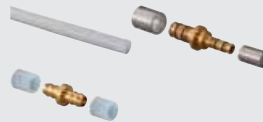


Fittings

System accessories



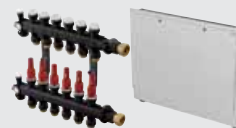
Fluvia
Pump groups



Supply lines



Room controls



Vario PLUS
Manifolds/Cabinets



Tools

HEP 400

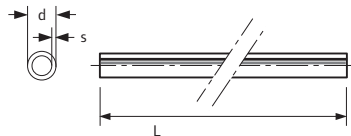


Item no.	l mm	b mm
1009132	1150	280

Uponor Multi heat emission plate

Made of aluminium for use with timber suspended floors 20mm, 1150x280x0,55mm, with joists at 300mm centres. For support of Uponor PE-Xa pipes 20x2mm. Each pack of 40 plates covers 16m² (based on 80% floor coverage).

Description	unit
Uponor Multi heat emission plate 20mm 1150x280x0,55mm AL	40 pcs



Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

Application class 4+5/ 6 bar

Max design temperature: 90°C

Malfunction temperature: 100°C

Design pressure 6/8 bar at 90°C/70°C

Fire class: E according DIN EN 13501-1

Item no.	d mm	s mm	L m	V l/m
1009228	20	2.0	120	0.2
1009231	20	2.0	480	0.2

Description	unit 2	unit
Uponor Comfort Pipe PLUS 20x2,0 120m	840	120 m
Uponor Comfort Pipe PLUS 20x2,0 480m	960	480 m



Item no.	d mm	r mm
1000118	14-17	90
1001229	20	100

Uponor Multi bend support plastic

Made of impact resistant plastic as bend support 90° bends in the manifold area.

Description	unit 2	unit
Uponor Multi bend support plastic 14-17	250	50 pcs
Uponor Multi bend support plastic 20		50 pcs



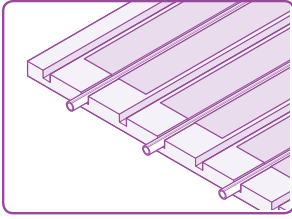
Item no.	d mm	r mm
1034554	16-20	75

Uponor Multi bend support string plastic

Supporting element for adjustable bendings, Plastic .

Description	unit 2	unit
Uponor Multi bend support string plastic 20	200	1 pcs

Siccus 14



The Uponor lightweight panel Siccus has been specially designed as a universal solution for the restoration of old buildings where a low construction height and low weight are very important. The panels are installed on the floor below the load distribution layer consisting of dry screed panels or heating screed.



Line Components

	Panels
	Pipes
	Accessories
	Fittings

Your benefits

Fast: Short installation time, immediately accessible if installed with dry screed

Light: Low static weight

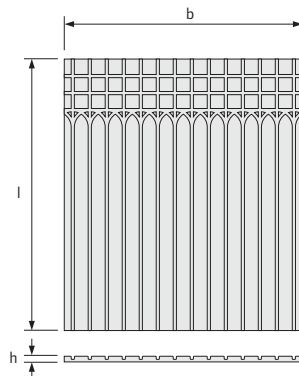
Flat: Minimum floor construction height

Universal: for use with Multi-layer composite pipe or PE-Xa pipe (DIM 14)

System accessories

	Fluvia Pump groups
	Supply lines
	Room controls
	Vario PLUS Manifolds/Cabinets
	Tools

Siccus 14



Uponor Siccus 14 panel

Pipe fixing panel for butt joint installation; with pipe channels for the installation of heat emission plates or Uponor PE-Xa pipes

14 x 2 mm and Uponor MLCP pipes 14 mm

Material: Expanded polystyrene rigid foam according to DIN EN 13163

DIN 4102 building material class: B1

Application type according to DIN 4108-10: DEO

Compressive strength: = 150 kPa

Technical data

Plate size: 1197 x 1050 mm

Plate thickness: 25 mm

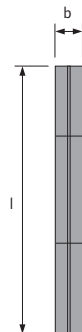
Thermal resistance: 0.622 m² K/W

Netload: 7.5 kN/m²

Pipe spacing: 15 cm, 22.5 cm or 30 cm

Item no.	l mm	b mm	h mm	A m ²
1005485	1197	1050	25	1.25

Description	unit 2	unit
Uponor Siccus 14 panel EPS 150kPa 14mm 1197x1050x25mm	100	12.5 m ²



Uponor Siccus 14 heat emission plate

For installation on Uponor lightweight panel; ensures uniform heat distribution and proper fixture of Uponor PE-Xa pipes 14 x 2 mm and Uponor MLCP RED radiant heating pipes 14 x 1.6 mm; with double perforations for easy cutting to size.

Material: Aluminium

Plate size: 120 x 1180 mm

Plate thickness: 0.45 mm

Material requirement:

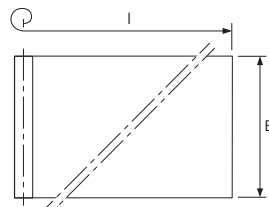
Pipe spacing Va 15 = 5.6 plates/m²

Pipe spacing Va 22.5 = 3.7 plates/m²

Pipe spacing Va 30 = 2.8 plates/m²

Item no.	l mm	b mm
1005486	1180	120

Description	unit 2	unit
Uponor Siccus 14 heat emission plate 14mm 1180x120x0,45mm	768	48 pcs



Uponor Multi foil

For installation on Uponor insulation or on standardised insulating material approved as clamp protection.

Prevents screed penetrating the underlying insulation.

As well as separating mebrane/craft paper in dry construction UFH.

Item no.	s mm	L m	B m
1005049	0.2	60	1.25

Description	unit 2	unit
Uponor Multi foil PE 0,2mm 60x1,25m	3375	75 m ²

Siccus 14

Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

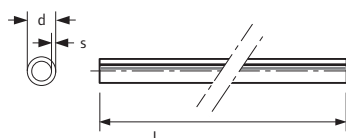
Application class 4+5/ 6 bar

Max design temperature: 90°C

Malfunction temperature: 100°C

Design pressure 6/10 bar at 90°C/70°C

Fire class: E according DIN EN 13501-1



Item no.		d mm	s mm	L m	V l/m
1062883	NEW	14	2	120	0.079
1062884	NEW	14	2	240	0.079
1062885	NEW	14	2	960	0.079

Description	unit 2	unit
Uponor Comfort Pipe PLUS 14x2,0 120m	1320	120 m
Uponor Comfort Pipe PLUS 14x2,0 240m	1680	240 m
Uponor Comfort Pipe PLUS 14x2,0 960m	1920	960 m

Uponor Vario compression adapter PEX

Compression adapter made of brass, with integrated clamp ring, for connection of Uponor PE-Xa pipes to manifolds with thread 3/4" eurocone, acc. EN 16313.

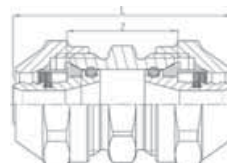


Item no.		d mm	IG "	s mm	SW mm
1065283	NEW	14	G3/4"	2,0	30

Description	unit 2	unit
Uponor Vario compression adapter PEX 14x2,0-G3/4" FTEuro	25	1 pcs

Uponor Fit compression coupling PEX

Compression coupling made of brass, for connection of Uponor PE-Xa pipes to threads acc. EN 10226-1.

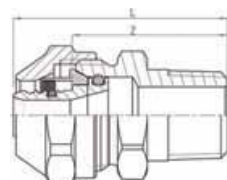


Item no.		d mm	s mm	l mm	SW mm	SW1 mm	z mm
1065293	NEW	14	2,0	57	30	27	29

Description	unit 2	unit
Uponor Fit compression coupling PEX 14x2,0-14x2,0	25	1 pcs

Uponor Fit coupling male PEX

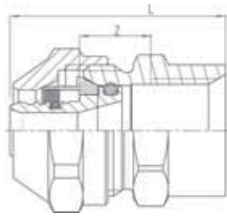
Male compression adapter made of brass, for connection of Uponor PE-Xa pipes to threads acc. EN 10226-1.



Item no.		d mm	AG "	s mm	l mm	SW mm	SW1 mm	z mm
1065294	NEW	14	R1/2"	2,0	51	30	27	37

Description	unit 2	unit
Uponor Fit coupling male PEX 14x2,0-R1/2" MT	25	1 pcs

Siccus 14

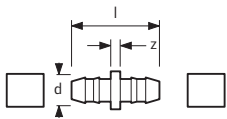


Item no.	d mm	IG "	s mm	l mm	SW mm	SW1 mm	z mm
1065295 NEW	14	Rp1/2"	2,0	44	30	27	15

Uponor Fit coupling female PEX

Female compression adapter made of brass, for connection of Uponor PE-Xa pipes to threads acc. EN 10226-1.

Description	unit 2	unit
Uponor Fit coupling female PEX 14x2,0-Rp1/2"FT	25	1 pcs



Item no.	d mm	l mm	z mm
1058659	14	39	5

Uponor Q&E coupling, rings DR

For connection of Uponor PE-Xa pipes, made of brass.

Description	unit 2	unit
Uponor Q&E coupling, rings DR 14-14	100	10 pcs



Item no.	d mm	colour mm
1058428	14	natural

Uponor Q&E ring natural

Made of PE-Xa. Uponor PE-Xa rings natural intended for Uponor Q&E Fittings.

Description	unit 2	unit
Uponor Q&E ring natural, eval 14	1200	20 pcs



Item no.	d mm	r mm
1000118	14-17	90

Uponor Multi bend support plastic

Made of impact resistant plastic as bend support 90° bends in the manifold area.

Description	unit 2	unit
Uponor Multi bend support plastic 14-17	250	50 pcs



Item no.	s mm	L m	h mm	colour
1000079	8	50	150	blue

Uponor Multi edging strip with foil

Edging strip conforming to DIN 18560, made of polyethylene with self-adhesive strip on outer face provides tight seal between edging strip and insulation. Length of roll: 50 m

Description	unit 2	unit
Uponor Multi edging strip with foil PE 50m 150x8mm	200	20 m

Siccus 14

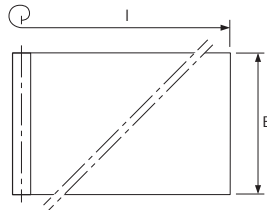
Uponor Siccus 14 PS cutter, groove

For cutting of individual pipe curves and guides.
230/110 V connection.



Item no.	OV V	Description	unit	
1006290	230	Uponor Siccus 14 PS cutter, groove 14mm 230V	1	pcs

Multi

**Uponor Multi foil**

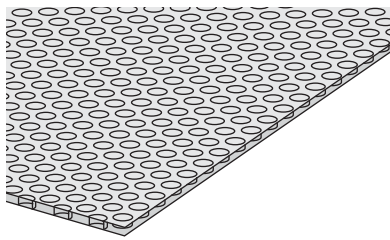
For installation on Uponor insulation or on standardised insulating material approved as clamp protection.

Prevents screed penetrating the underlying insulation.

As well as separating mebrane/craft paper in dry construction UFH.

Item no.	s mm	L m	B m
1005049	0.2	60	1.25

Description	unit 2	unit
Uponor Multi foil PE 0,2mm 60x1,25m	3375	75 m ²

**Uponor Multi foil**

Multi-layer reflection and impact foil, designed to improve thermal insulation and distribution; also serving as damping course. With printed raster.

Load capacity: 15 kN/m²

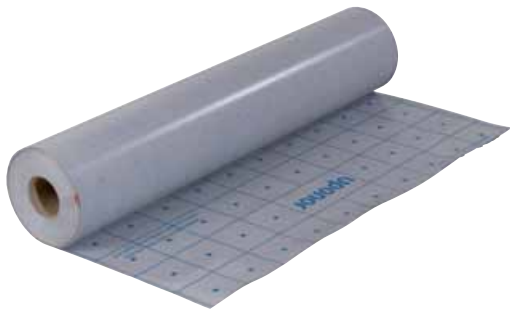
Roll width: 1 m

Roll length: 60 m

Foil height: 4 mm

Item no.	s mm	G kN/m ²	L m	B m
1000017	4	15	60	1

Description	unit
Uponor Multi foil 4mm 60x1m	60 m ²

**Uponor Multi texture foil with raster**

0,25 mm-thick foil with printed on pattern 100 x 100 mm for laying over existing heat/sound insulation and fixation of clamp tracks. Prevents screed from flowing down into the insulating layer.

Dimensions: 100 m x 1.03 m

Item no.	s mm	L m	B m
1000015	0.25	100	1.03

Description	unit
Uponor Multi texture foil with raster 0,25mm 100x1,03m	103 m ²

**Uponor Multi foil nail**

For fixing the foil on insulation. Length: 25 mm

Item no.	l mm
1000016	25

Description	unit
Uponor Multi foil nail l=25mm	100 pcs

Multi

Uponor Multi edging strip with foil

Edging strip conforming to DIN 18560, made of polyethylene with self-adhesive strip on outer face provides tight seal between edging strip and insulation. Length of roll: 50 m

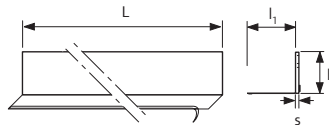


Item no.	s mm	L m	h mm	colour -
1000079	8	50	150	blue

Description	unit 2	unit
Uponor Multi edging strip with foil PE 50m 150x8mm	200	20 m

Uponor Minitec edging strip, self-adh.

Edging strip for high performance panel 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; Length of roll: 20 m



Item no.	s mm	L m	h mm
1005267	8	20	80

Description	unit
Uponor Minitec edging strip, self-adh. 20m 80x8mm	200 200 m

Uponor Multi edging strip with foil

For installation between screed and adjacent building parts for floor constructions according to DIN 18560 and DIN EN 1264; with multiple tear perforation, laminated PE foil, self-adhesive sealing strips, particularly suitable for self-levelling screeds; bottom side adhesive for attachment to wall and exact installation in wall corners
Material: Closed-cell polyethylene PE-LD
Building material class: B2



Item no.	s mm	L m	h mm	colour -
1000080	10	50	150	blue

Description	unit 2	unit
Uponor Multi edging strip with foil PE 50m 150x10mm	200	200 m

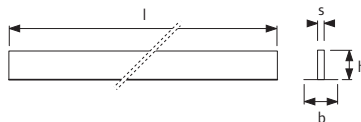
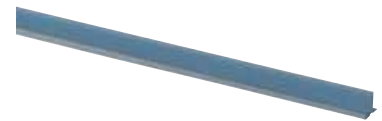
Uponor Minitec expansion joint profile

Self-adhesive clamp-on profile element for high performance panel made of hard PVC with polyethylene foam expansion strip, for the reliable separation of screed sections (e.g. in doorways), and to absorb expansion of screed. For expansion joints as per DIN 18560-2.

Height: 40 mm

Material thickness: 10 mm

Length: 1,8 m



Item no.	s mm	l mm	b mm	h mm
1005268	10	1800	50	40

Description	unit
Uponor Minitec expansion joint profile 1,8m 40x10mm	18 m

Multi



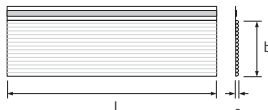
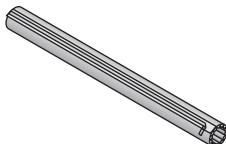
Item no.	s mm	l mm	b mm
1000082	5	300	80

Uponor Multi joint protection tube

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

Length: 300 mm

Description	unit 2	unit
Uponor Multi joint protection tube max 20mm 300x5mm	180	30 pcs



Item no.	s mm	l mm	b mm
1005269	2	300	35

Uponor Minitec joint protection tube

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

Length: 300 mm

Description	unit 2	unit
Uponor Minitec joint protection tube 9.9mm 300x2mm	1800	30 pcs



Item no.	Con. l/m ²	DT d
1000084	approx. 0.2	21

Uponor Multi screed additive

For use as screed and mortar bed additive; improves screed quality thanks to enhanced plasticization and better water retention.

Do not use in conjunction with levelling or anhydrite screed!

Use for 7 cm screed thickness: approx. 0.2 l/m²

Minimum screed covering: 30 mm at 2 kN/m² or 45 mm at 5 kN/m² in conjunction with Uponor insulation/system board for 5 kN/m²

Curing time: 21 days

Description	unit 2	unit
Uponor Multi screed additive VD 450 20L	240	20 l



Item no.	Con. l/m ²	DT d
1000085	approx. 0.2	8

Uponor Multi screed additive, fast dry

For use as screed and mortar bed additive; improves screed quality thanks to enhanced plasticization and better water retention.

VD 550 N also ensures that the screed dries faster (high early strength).

Do not use in conjunction with levelling or anhydrite screed!

Use for 7 cm screed thickness: approx. 0.2 l/m²

Minimum screed covering: 30 mm at 2 kN/m² or 45 mm at 5 kN/m² in conjunction with Uponor insulation/system board for 5 kN/m²

Curing time: 8 days

Description	unit 2	unit
Uponor Multi screed additive, fast dry VD 550 25L	600	25 l



Item no.	h mm
1000083	100

Uponor Multi marking set

For the marking of a measuring point for dampness measurement in screed, with red marker end. The marker is secured according to DIN 18560 with adhesive tape to the cover layer. The cover layer is not destroyed by the marker. A minimum distance from the measuring point to the nearest heating pipe of 10 cm must be observed.

Material requirement: 1 marker per room; for areas larger than 50 m², more markers are required.

Material: Rubber round rod; base made in plastic, with adhesive strip

Description	unit 2	unit
Uponor Multi marking set 100mm	300	10 pcs

Multi

Uponor Multi anti-freeze agent ethylen

Ethylene glycol-based anti-freeze agent, for use as additive in radiant heating systems with Uponor pipes and standard heating system sealing materials.

- Vol. concentration to -20°C: 35%
- Vol. concentration to -25°C: 40%
- Vol. concentration to -30°C: 45%

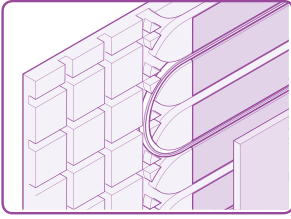
Water volume in pipes (for calculation of mixing ratio):

- 14 x 2: 0.079 l/m
- 17 x 2: 0.13 l/m
- 20 x 2.3: 0.19 l/m
- 25 x 2.3: 0.33 l/m



Item no.	Description	unit 2	unit
1005066	Uponor Multi anti-freeze agent ethylen ≥ -30°C 20L	480	20 l

Siccus wall



Siccus wall is the application of siccus 14 for walls in dry construction, designed for radiant wall heating if site conditions requires special solutions. It matches with renovation and lightweight constructions perfectly as it is quick, dry and flexible.



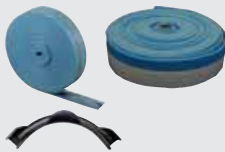
Line Components



Panels



Pipes



Accessories



systempipe/-connections

Your benefits

Wall heating: in addition or alternative to floor radiant heating

Fast: Short installation time and most flexible to lightweight constructions

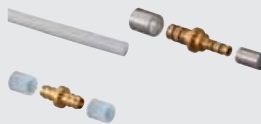
Dry: No drying time, no heat-up process necessary

Universal: for use with Multi-layer composite pipe or PE-Xa pipe (DIM 14)

System accessories



Fluvia
Pump groups



Supply lines



Room controls



Vario PLUS
Manifolds/Cabinets



Tools

Siccus wall

Uponor Siccus 14 panel

Pipe fixing panel for butt joint installation; with pipe channels for the installation of heat emission plates or Uponor PE-Xa pipes

14 x 2 mm and Uponor MLCP pipes 14 mm

Material: Expanded polystyrene rigid foam according to DIN EN 13163

DIN 4102 building material class: B1

Application type according to DIN 4108-10: DEO

Compressive strength: = 150 kPa

Technical data

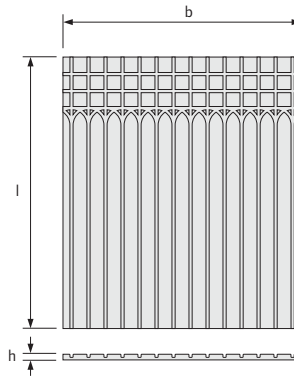
Plate size: 1197 x 1050 mm

Plate thickness: 25 mm

Thermal resistance: 0.622 m² K/W

Netload: 7.5 kN/m²

Pipe spacing: 15 cm, 22.5 cm or 30 cm



Item no.	l mm	b mm	h mm	A m ²
1005485	1197	1050	25	1.25

Description	unit 2	unit
Uponor Siccus 14 panel EPS 150kPa 14mm 1197x1050x25mm	100	12.5 m ²

Uponor Siccus 14 heat emission plate

For installation on Uponor lightweight panel; ensures uniform heat distribution and proper fixture of Uponor PE-Xa pipes 14 x 2 mm and Uponor MLCP RED radiant heating pipes 14 x 1.6 mm; with double perforations for easy cutting to size.

Material: Aluminium

Plate size: 120 x 1180 mm

Plate thickness: 0.45 mm

Material requirement:

Pipe spacing Va 15 = 5.6 plates/m²

Pipe spacing Va 22.5 = 3.7 plates/m²

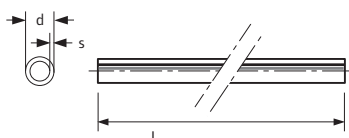
Pipe spacing Va 30 = 2.8 plates/m²



Item no.	l mm	b mm
1005486	1180	120

Description	unit 2	unit
Uponor Siccus 14 heat emission plate 14mm 1180x120x0,45mm	768	48 pcs

Siccus wall



Item no.		d mm	s mm	L m	V l/m
1062883	NEW	14	2	120	0.079
1062884	NEW	14	2	240	0.079
1062885	NEW	14	2	960	0.079

Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

Application class 4+5/ 6 bar

Max design temperature: 90°C

Malfunction temperature: 100°C

Design pressure 6/10 bar at 90°C/70°C

Fire class: E according DIN EN 13501-1

Description	unit 2	unit
Uponor Comfort Pipe PLUS 14x2,0 120m	1320	120 m
Uponor Comfort Pipe PLUS 14x2,0 240m	1680	240 m
Uponor Comfort Pipe PLUS 14x2,0 960m	1920	960 m

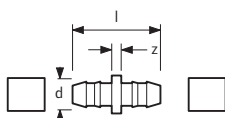


Item no.		d mm	IG "	s mm	SW mm
1065283	NEW	14	G3/4"	2,0	30

Uponor Vario compression adapter PEX

Compression adapter made of brass, with integrated clamp ring, for connection of Uponor PE-Xa pipes to manifolds with thread 3/4" eurocone, acc. EN 16313.

Description	unit 2	unit
Uponor Vario compression adapter PEX 14x2,0-G3/4" FTEuro	25	1 pcs



Item no.		d mm	l mm	z mm
1058659		14	39	5

Uponor Q&E coupling, rings DR

For connection of Uponor PE-Xa pipes, made of brass.

Description	unit 2	unit
Uponor Q&E coupling, rings DR 14-14	100	10 pcs



Item no.		d mm	colour
1058428		14	natural

Uponor Q&E ring natural

Made of PE-Xa. Uponor PE-Xa rings natural intended for Uponor Q&E Fittings.

Description	unit 2	unit
Uponor Q&E ring natural, eval 14	1200	20 pcs



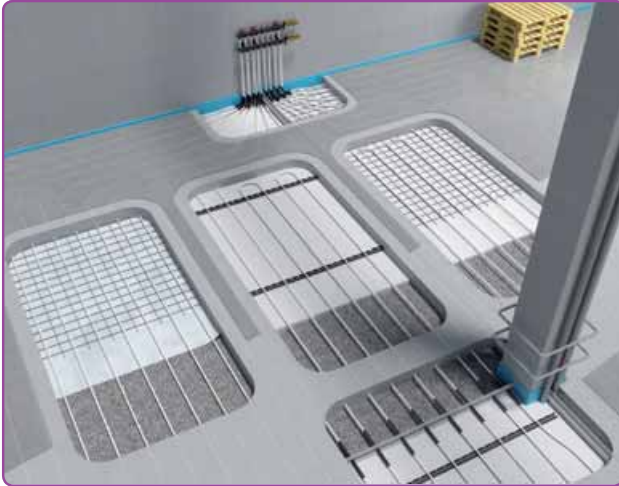
Item no.		OV V
1006290		230

Uponor Siccus 14 PS cutter, groove

For cutting of individual pipe curves and guides.
230/110 V connection.

Description	unit
Uponor Siccus 14 PS cutter, groove 14mm 230V	1 pcs

Magna



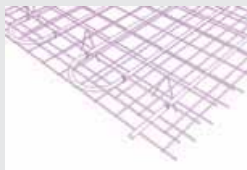
Your benefits

- Very few system components
- Simple planning and installation
- Suitable for different kinds of industrial buildings
- Adjustable system with optimal building space utilisation
- Possibility to use the same system for heating and for cooling
- Constant and even temperature level
- Low air speeds with no dust circulation
- No noise - silent system
- Fast payback time in combination with low-temperature heat sources
- Long life time with low maintenance costs

Uponor Magna is a low-temperature heat distribution system for heating industrial spaces. The system is built directly into the concrete floor slab. It is even possible to make use of the standard steel reinforcement for the concrete slab as a support structure for the heating pipes. Heat can be supplied by any conventional warm water heating system designed for use in the type of building being in question.



Line Components



Magna 20



Magna 25

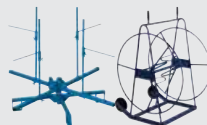


Magna Tichelmann



Magna Quattro

System accessories



Pipes, fittings and pipe installation accessories



Controls

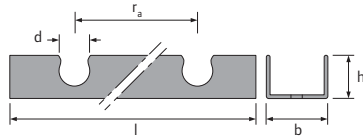


Manifolds

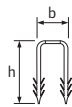


Tools

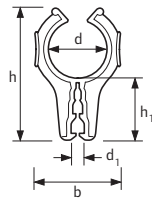
Magna



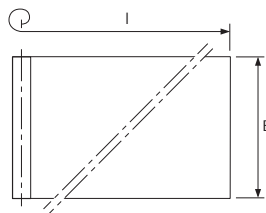
Item no.	d mm	l mm	b mm	h mm	c/c mm	Description	unit
1005358	20	3000	40	26	50	Uponor Multi clamp track U-profile 20mm c/c50mm 3m	30 m
1005290	25	3000	50	34	50	Uponor Magna clamp track U-profile 25mm c/c50mm 3m	30 m



Item no.	b mm	h mm	Description	unit 2	unit
1005291	36	50	Uponor Magna clamp track nail 25mm 50mm	5000	500 pcs



Item no.	d mm	d1 mm	b mm	h mm	h1 mm	Description	unit 2	unit
1005289	25	3-8	38	57	27	Uponor Magna clip, steel mesh 25mm 3-8mm	4000	250 pcs



Item no.	s mm	L m	B m	Description	unit 2	unit
1005049	0.2	60	1.25	Uponor Multi foil PE 0,2mm 60x1,25m	3375	75 m ²



Item no.	L m	b mm	Description	unit
1000012	66	50	Uponor Multi tape roll 66m 50mm	1 pcs

Uponor Magna clamp track U-profile

For fixation of PE-Xa pipes.

Uponor Magna clamp track nail

For fastening the Uponor clamp track 25

Uponor Magna clip, steel mesh

For fastening Uponor pipes on reinforcement steel meshes.

Uponor Multi foil

For installation on Uponor insulation or on standardised insulating material approved as clamp protection.

Prevents screed penetrating the underlying insulation.

As well as separating mebrane/craft paper in dry construction UFH.

Uponor Multi tape roll

Roll length 66m.

Magna

Uponor Classic tying wire

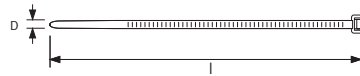
For fastening Uponor pipes on reinforcement steel meshes. Made of steel. 250 pcs per bag.



Item no.	l mm	b mm	Description	unit
1009222	150	1.25	Uponor Classic tying wire 150x1,25mm 250pcs	250 pcs

Uponor Multi cable ties

For fastening pipes on reinforcement steel meshed. Made of polyamide.



Item no.	l mm	b mm	Description	unit 2	unit
1005287	200	5	Uponor Multi cable ties PA 200mm	13000	100 pcs

Uponor Magna expansion protective pipe

Slotted, corrugated conduit made of plastic, black



Item no.	Description	unit
1030631	Uponor Magna expansion protective pipe 34/28mm 25m	25 m

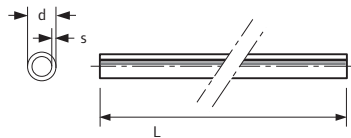
Uponor Multi UFHC roller manual

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



Item no.	Description	unit
1000142	Uponor Multi UFHC roller manual	1 pcs

Magna



Item no.	d mm	s mm	L m	V l/m
1009230	20	2.0	240	0.2
1009231	20	2.0	480	0.2

Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

Application class 4+5/ 6 bar

Max design temperature: 90°C

Malfunction temperature: 100°C

Design pressure 6/8 bar at 90°C/70°C

Fire class: E according DIN EN 13501-1

Description	unit 2	unit
Uponor Comfort Pipe PLUS 20x2,0 240m	960	240 m
Uponor Comfort Pipe PLUS 20x2,0 480m	960	480 m



Item no.	d mm	s mm	p bar	L m
1062888 NEW	25	2.3	6	220
1062889	25	2.3	6	300
1063907	25	2.3	6	640

Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

Application class 4+5/ 6 bar

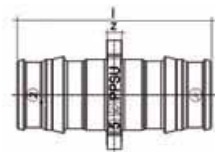
Max design temperature: 90°C

Malfunction temperature: 100°C

Design pressure 6 bar at 90°C

Fire class: E according DIN EN 13501-1

Description	unit 2	unit
Uponor Comfort Pipe PLUS 25x2,3 220m	440	220 m
Uponor Comfort Pipe PLUS 25x2,3 300m	600	300 m
Uponor Comfort Pipe PLUS 25x2,3 640m	1280	640 m



Item no.	d mm	p bar	l mm	l1 mm	z mm
1008932	20	6+10	47	22	3
1008671	25	6+10	58	31	3

Uponor Q&E coupling PPSU

Note: Uponor Q&E rings must be ordered separately!

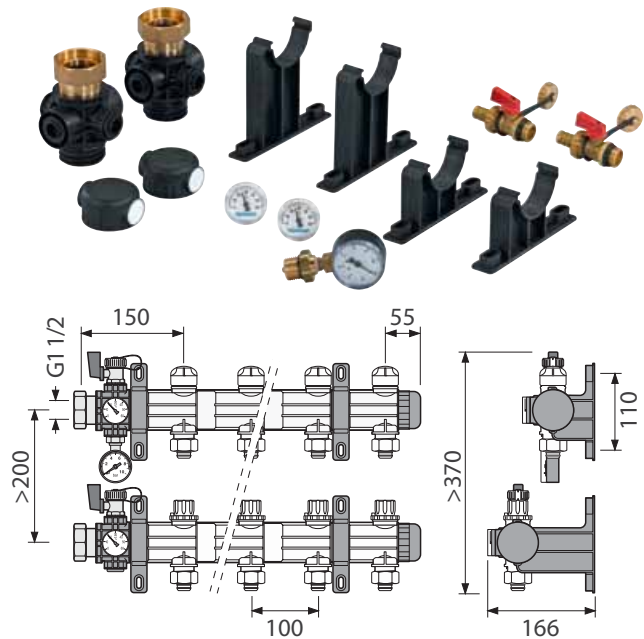
Description	unit 2	unit
Uponor Q&E coupling PPSU 20-20	80	5 pcs
Uponor Q&E coupling PPSU 25-25	50	5 pcs

Magna

Uponor Magna manifold kit

for mounting the manifold, made of:

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



Item no.	Description	unit	
1045815	Uponor Magna manifold kit K1	1	pcs

Uponor Magna manifold segment w. valve

as supply / return for Industrialheating, made of:

- supply-segment, with control valves for preadjustment, heating loop connection for G3/4 eurocone.
- return-segment with thermostat upper section incl. cap for locking, Uponor actuator can be mounted directly on the return manifold, heating loop connection for G3/4 eurocone.

Spacing of outlet: 100 mm

Material: fibreglass reinforced Polyamid

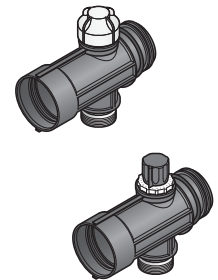
max. operating temperatur: 60 °C

max. operating pressure: 6 bar

individual combination up to 20 loops max.

Quantity necessary bracket

loops	2-5	6-9	10-14	15-19	20
bracket	2	3	4	5	6



Item no.	Description	unit	
1045814	Uponor Magna manifold segment w. valve G3/4	1	pcs

Magna



Uponor Magna manifold segment w. valve

as supply / return for Industrialheating, made of:

- supply-segment, with control valves for preadjustment, heating loop connection for PE-Xa Pipe 25x2,3 with compression adapter.
- return-segment with thermostat upper section incl. cap for locking, Uponor actuator can be mounted directly on the return manifold, heating loop connection for PE-Xa Pipe 25x2,3 with compression adapter

Spacing of outlet: 100 mm

Material: fibreglass reinforced Polyamid

max. operating temperatur: 60 °C

max. operating pressure 6 bar

individual combination up to 20 loops max.

Number of needed brackets

loops	2-5	6-9	10-14	15-19	20
bracket	2	3	4	5	6

Item no.

1045813

Description

unit

Uponor Magna manifold segment w. valve
dim 25

1 pcs



Uponor Vario compression adapter PEX

Compression adapter made of brass, with integrated clamp ring, for connection of Uponor PE-Xa pipes to manifolds with thread 3/4" eurocone, acc. EN 16313.

Item no.	d mm	IG "	s mm	SW mm
1065290 NEW	20	G3/4"	1,9/2,0	30

Description

unit 2

unit

Uponor Vario compression adapter
PEX 20x1,9/2,0-G3/4"FTEuro

25 1 pcs



Uponor Magna ball valve , set

for use with the Uponor Magna manifold connection:

- G 1 1/2 FT
- G 1 1/2 MT

Material: brass

Item no.

1030135

Description

unit

Uponor Magna ball valve , set
2x G 1 1/2

1 pcs

Magna

Uponor Magna manifold bracket kit

for mounting the manifold, made of:

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



Item no.	Description	unit	
1045816	Uponor Magna manifold bracket kit	1	pcs

Uponor Magna manifold bayonet segment

Uponor Ground Energy Manifold Segments G 1 1/2" for use of Uponor Ground Energy pipe.
Industrial Basic Kit and Uponor Bayonet Joint is necessary!
optional: Flowmeter and /or Bracket Kit



Flow and Return as single segment
max. operating temperatur: 60 °C
max. operating pressure 6 bar
max. 20 loops, individual combination according to max flow volumen
Number of needed brackets

loops	2-5	6-9	10-14	15-19	20
bracket	2	3	4	5	6

Item no.	Description	unit	
1058340	Uponor Magna manifold bayonet segment 1 1/2" 14m³/h	1	set

Uponor Magna manifold bayonet joint

2 Uponor Bayonet Joints, brass, screw jointing for PE-Xa Pipe.



Item no.	do mm	Description	unit	
1058341	32	Uponor Magna manifold bayonet joint 32mm	1	set
1058342	40	Uponor Magna manifold bayonet joint 40mm	1	set

Uponor Magna manifold flowmeter

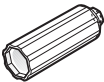
For adjusting the water quantity of the individual heating loops in a range of 4 -20 l/min. Water quantity is indicated in the inspection window. With shut-off function. Made of fibre-glass reinforced polyamid.

Material: fibreglass reinforced Polyamid



Item no.	Description	unit	
1030134	Uponor Magna manifold flowmeter	1	pcs

Magna



Uponor Vario PLUS valve tool

For mounting and de-mounting the valves of the Vario Plus manifold.

Item no.	Description	unit
1009216	Uponor Vario PLUS valve tool	1 pcs

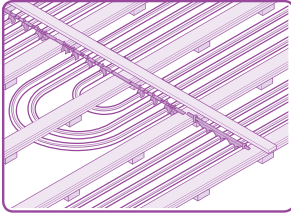


Uponor Multi bend support plastic

Made of impact resistant plastic as bend support 90° bends in the manifold area.

Item no.	d mm	r mm	Description	unit
1001229	20	100	Uponor Multi bend support plastic 20	50 pcs
1001230	25	120	Uponor Multi bend support plastic 25	50 pcs

Sport



Uponor radiant heating system for surface elastic floors. These floors are a synthesis of wooden swing floors with elastic layer made of PVC or linoleum. The heating registers runs in pipe holders (Patent Uponor) directly under the blind floor. The pipes are to be connected to distribute- /collector pipes.

Uponor sports floor heating systems are quick installed. First due to the flexible and at the same time robust PE-Xa pipe material. Secondly due to the patented mounting principle for swing floor constructions.



Line Components

	Pipe fixation
	Pipes
	Fittings
	Manifolds

Your benefits

comfort: mild radiant heat temperature without blowing up dust

safety: no system components in the action area

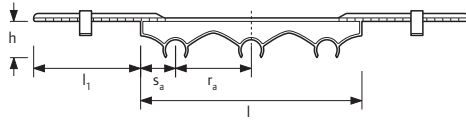
economic: free choice of insulation

space saving: all components are under the sport area

System accessories

	Fluvia Pump groups
	Supply lines
	Room controls
	Vario PLUS Manifolds/Cabinets
	Tools

Sport

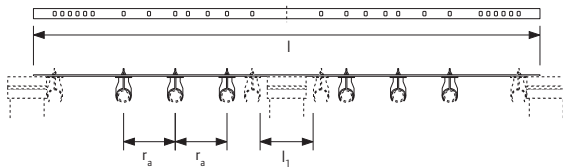
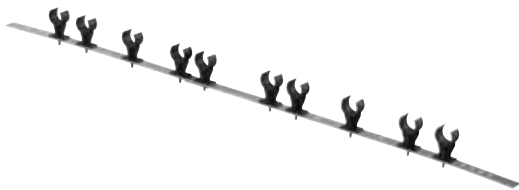


Item no.	sa mm	l mm	l1 mm	h mm	c/c mm
1005286	45	290	145	50	100

Uponor Sport pipe clip, plastic

For exact leading of pipes inside the channels of sport floor
Material: Polyamid

Description	unit 2	unit
Uponor Sport pipe clip, plastic 25mm c/c100mm 0,29m PA	150	25 pcs



Item no.	l mm	l1 mm	c/c mm
1005284	975	105	100

Uponor Sport double clip, steel

For exact leading of pipes in the bending zone of chanel of sport floor
Material: galvanised steel

Description	unit 2	unit
Uponor Sport double clip, steel 25mm c/c100mm 0,975m Steel	25	1 pcs



Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

Application class 4+5/ 6 bar

Max design temperature: 90°C

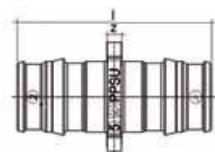
Malfunction temperature: 100°C

Design pressure 6 bar at 90°C

Fire class: E according DIN EN 13501-1

Item no.	d mm	s mm	p bar	L m
1062888 NEW	25	2.3	6	220
1062889	25	2.3	6	300
1063907	25	2.3	6	640

Description	unit 2	unit
Uponor Comfort Pipe PLUS 25x2,3 220m	440	220 m
Uponor Comfort Pipe PLUS 25x2,3 300m	600	300 m
Uponor Comfort Pipe PLUS 25x2,3 640m	1280	640 m



Item no.	d mm	p bar	l mm	l1 mm	z mm
1008671	25	6+10	58	31	3

Uponor Q&E coupling PPSU

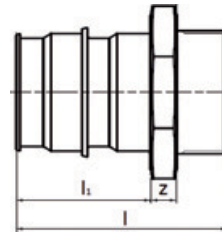
Note: Uponor Q&E rings must be ordered separately!

Description	unit 2	unit
Uponor Q&E coupling PPSU 25-25	50	5 pcs

Sport

Uponor Q&E adapter male thread

Made of brass. Male thread acc.to DIN EN 10226-1 for sealing in. Note: Uponor Q&E Ring must be ordered separately!

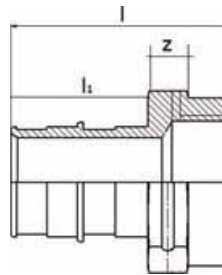


Item no.	d mm	AG "	p bar	l mm	l1 mm	z mm
1023007	25	R 3/4	6+10	47,5	27	8
1023008	25	R1	6+10	55	27	6

Description	unit 2	unit
Uponor Q&E adapter male thread PL 25-R3/4"MT	70	5 pcs
Uponor Q&E adapter male thread PL 25-R1"MT	40	5 pcs

Uponor Q&E adapter female thread

Made of brass. Female thread acc. to DIN EN 10226-1. Note: Uponor Q&E Ring must be ordered separately!



Item no.	d mm	IG "	p bar	l mm	l1 mm	z mm
1023012	25	Rp 3/4	6+10	51	27	14
1023013	25	Rp 1	6+10	55	27	16

Description	unit 2	unit
Uponor Q&E adapter female thread PL 25-Rp3/4"FT	40	5 pcs
Uponor Q&E adapter female thread PL 25-Rp1"FT	35	5 pcs

Uponor Q&E ring with stop edge natural

Made of PE-X. Uponor Q&E rings natural intended for Uponor Q&E fittings.



Item no.	d mm	p bar	colour -
1042840	25	6+10	natural

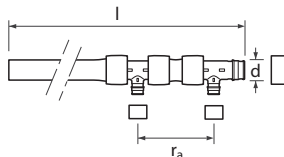
Description	unit 2	unit
Uponor Q&E ring with stop edge natural 25	300	20 pcs

Uponor Sport tichelmann manifold Q&E

as manifold for the use in sportsfloor UFH systems according to the Tichelmann principle. For connection of Uponor PE-Xa pipes 25x2.3mm with Uponor Q&E connection technology consisting of:

- 1 manifold (distributor & collector)
- 4 Q&E rings 25
- 2 Q&E rings 40

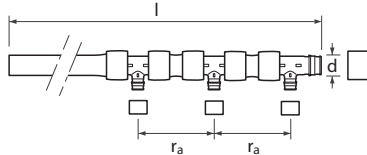
Material: Uponor eval PE-Xa pipes + Uponor PPSU fittings.



Item no.	d mm	l mm	c/c mm
1046747	40	2084	150

Description	unit
Uponor Sport tichelmann manifold Q&E 2X dim 25	1 set

Sport



Item no.	d mm	l mm	c/c mm
1046748	40	2084	150

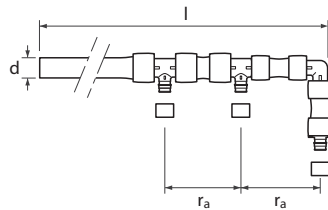
Uponor Sport tichelmann manifold Q&E

as manifold for the use in sportsfloor UFH systems according to the Tichelmann principle. For connection of Uponor PE-Xa pipes 25x2.3mm with Uponor Q&E connection technology consisting of:

- 1 manifold (distributor & collector)
- 6 Q&E rings 25
- 2 Q&E rings 40

Material: Uponor eval PE-Xa pipes + Uponor PPSU fittings

Description	unit
Uponor Sport tichelmann manifold Q&E 3X dim 25	1 set



Item no.	d mm	l mm	c/c mm
1046749	40	2036	150

Uponor Sport tichelmann endsegment Q&E

as manifold for the use in sportsfloor UFH systems according to the Tichelmann principle. For connection of Uponor PE-Xa pipes 25x2.3mm with Uponor Q&E connection technology consisting of:

- 1 manifold (distributor & collector)
- 6 Q&E rings 25

Material: Uponor eval PE-Xa pipes + Uponor PPSU fittings

Description	unit
Uponor Sport tichelmann endsegment Q&E 3X dim 25	1 set



Uponor Radi Pipe natural PN6, S

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol) Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726.

Application class 4 - Underfloor heating and low temperature radiators.

Application class 5 - High temperature radiators.

Max design temperature: 90°C

Malfunction temperature 100°C

Design pressure 6 Bar

Fire class: E according DIN EN 13501-1

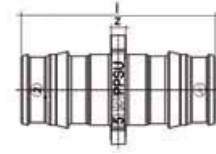
Item no.	d mm	s mm	p bar	L m
1008939	40	3.7	6	6

Description	unit 2	unit
Uponor Radi Pipe natural PN6, S 40x3,7 6m	60	6 m

Sport

Uponor Q&E coupling PPSU

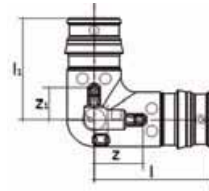
Note: Uponor Q&E rings must be ordered separately!



Item no.	d mm	p bar	l mm	l1 mm	z mm	Description	unit 2	unit	
1008673	40	6+10	90	43	3	Uponor Q&E coupling PPSU 40-40	10	1	pcs

Uponor Q&E elbow PPSU

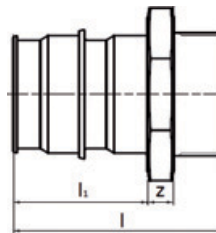
Note: Uponor Q&E rings must be ordered separately!



Item no.	d mm	p bar	l mm	l1 mm	z mm	z1 mm	Description	unit 2	unit	
1008683	40	6+10	73,5	65	29,5	21	Uponor Q&E elbow PPSU 40-40	10	1	pcs

Uponor Q&E adapter male thread PL W

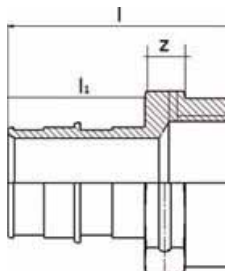
Made of brass. Male thread acc.to ISO 228-1 for sealing in. Note: Uponor Q&E Ring must be ordered separately! Suitable for Wipex base ports



Item no.	d mm	AG "	p bar	l mm	l1 mm	z mm	Description	unit 2	unit	
1008732	40	G 1 1/4	6+10	67,5	42	10	Uponor Q&E adapter male thread PL W 40-G1 1/4"MT	16	2	pcs

Uponor Q&E adapter female thread

Made of brass. Female thread acc. to DIN EN 10226-1. Note: Uponor Q&E Ring must be ordered separately!



Item no.	d mm	IG "	p bar	l mm	l1 mm	z mm	Description	unit 2	unit	
1047867	40	Rp 1 1/4	6	68	42	10	Uponor Q&E adapter female thread PL 40-Rp1 1/4"FT	20	1	pcs

Uponor Q&E ring with stop edge natural

Made of PE-X. Uponor Q&E rings natural intended for Uponor Q&E fittings.



Item no.	d mm	p bar	colour -	Description	unit 2	unit	
1045464	40	6+10	natural	Uponor Q&E ring with stop edge natural 40	80	5	pcs

Sport



Item no.	d mm	r mm	R mm
1009006	25	134	130.00

Uponor Multi bend support galv steel

Made of galvanized steel as bend support for the pipe at the manifold.

Description	unit
Uponor Multi bend support galv steel 22-25	20 pcs



Item no.	d mm	d1 mm	L m	do mm	colour -
1012869	25	29	50	35	black

Uponor Teck conduit black

Consists of pipe in conduit pipe. Fire classification E according to EN 13501-1. Pipe end caps as hygienic seal according EN 806. Used for pipe in pipe (PIP) installations to reduce the risk for water damages and allow for flexible media pipe to be replaced.

Description	unit 2	unit
Uponor Teck conduit 35/29 black 50m	1800	50 m



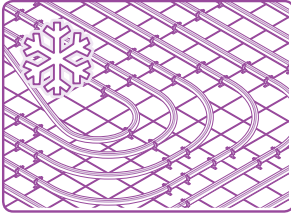
Item no.	d mm	r mm
1001230	25	120

Uponor Multi bend support plastic

Made of impact resistant plastic as bend support 90° bends in the manifold area.

Description	unit
Uponor Multi bend support plastic 25	50 pcs

Meltaway



Uponor snow and ice melting system is best suitable for all outside surfaces which are provided with a solid covering. It will be especially used for driveways, ramps, fire department or hospital approach roads, helicopter landing zones, sidewalks, football pitches, etc..



Line Components

	Line components
	System pipes & antifreeze
	Fittings
	Line Pipe and fittings
	Manifold

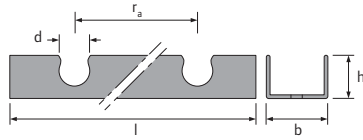
Your benefits

- System ensures a maximum of security - round the clock
- Automatically deicing, no more shoveling of snow
- Avoids environmental stress and damage through de-icing salt
- Usage of industrial waste heat possible
- Fast and easy installation with robust Uponor PE-X pipes
- Complete system with all components available
- Reduces slip and fall liability
- Preventing players injuries
- No more cancellation of football games due to bad weather
- Decrease in maintenance costs

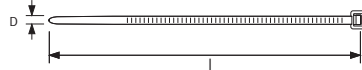
System accessories

	Supply lines
	Vario PLUS Manifolds/Cabinets
	Tools
	Pipes, fittings and pipe installation accessories
	tool

Meltaway



Item no.	d mm	l mm	b mm	h mm	c/c mm	Description	unit
1005290	25	3000	50	34	50	Uponor Magna clamp track U-profile 25mm c/c50mm 3m	30 m



Item no.	l mm	b mm	Description	unit 2	unit
1005287	200	5	Uponor Multi cable ties PA 200mm	13000	100 pcs
1005372	280	7	Uponor Multi cable ties PA 280mm	5000	100 pcs



Item no.	l mm	b mm	Description	unit
1009222	150	1.25	Uponor Classic tying wire 150x1,25mm 250pcs	250 pcs



Item no.	d mm	s mm	L m	Description	unit
1022341	25	2.3	920	Uponor Meltaway PEX Pipe 25x2,3 920m	920 m
1033625	25	2.3	1020	Uponor Meltaway PEX Pipe 25x2,3 1020m	1020 m
1033626	25	2.3		Uponor Meltaway PEX Pipe, custom made 25x2,3	1 m

Uponor Magna clamp track U-profile

For fixation of PE-Xa pipes.

Uponor Multi cable ties

For fastening pipes on reinforcement steel meshed.
Made of polyamide.

Uponor Classic tying wire

For fastening Uponor pipes on reinforcement steel meshes. Made of steel.
250 pcs per bag.

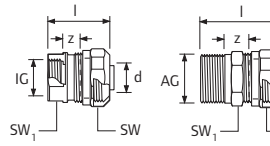
Uponor Meltaway PEX Pipe

Meltaway

Uponor Fit compression adapter male

Compression adapter for connection of Uponor PE-Xa pipes with 3/4" female thread.

Material: Brass

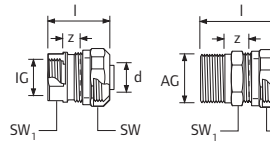


Item no.	d mm	AG "	l mm	SW mm	z mm	Description	unit
1005295	25	R 3/4	50	37/27	15	Uponor Fit compression adapter male 25x2,3-R3/4"MT	10 pcs
1005298	25	R 1	53	37/34	20	Uponor Fit compression adapter male 25x2,3-R1"MT	10 pcs

Uponor Fit compression adapter female

Compression adapter for connection of Uponor PE-Xa pipes with 3/4" female thread.

Material: Brass



Item no.	d mm	IG "	l mm	SW mm	z mm	Description	unit
1005297	25	Rp 3/4	35	37/31	8	Uponor Fit compression adapter female 25x2,3-Rp3/4"FT	10 pcs
1005296	25	Rp 1	40	37/38	8	Uponor Fit compression adapter female 25x2,3-Rp1"FT	10 pcs

Uponor Meltaway single manifold

Uponor snow and ice melting single manifold made of high density polyethylene (HDPE) pipe and equipped with compact-welded couplings.



Item no.	d mm	c/c mm	Description	unit
1033637	75	600	Uponor Meltaway single manifold 75 1x10 c/c600 6m	1 pcs
1033638	110	600	Uponor Meltaway single manifold 110 1x10 c/c600 6m	1 pcs
1033639	160	600	Uponor Meltaway single manifold 160 1x10 c/c600 6m	1 pcs
1033640	75	150	Uponor Meltaway single manifold 75 1x40 c/c150 6m	1 pcs
1033641	75	200	Uponor Meltaway single manifold 75 1x30 c/c200 6m	1 pcs
1033642	110	200	Uponor Meltaway single manifold 110 1x30 c/c200 6m	1 pcs
1033645	110	150	Uponor Meltaway single manifold 110 1x40 c/c150 6m	1 pcs
1033647	160	150	Uponor Meltaway single manifold 160 1x40 c/c150 6m	1 pcs
1033631	75	500	Uponor Meltaway single manifold 75mm 1x12 c/c500 6m	1 pcs
1033632	110	500	Uponor Meltaway single manifold 110 1x12 c/c500 6m	1 pcs
1033633	160	500	Uponor Meltaway single manifold 160 1x12 c/c500 6m	1 pcs

Meltaway



Item no.	d mm	c/c mm
1033634	75	500
1033635	110	500
1033636	160	500
1033644	75	150
1033646	110	150

Uponor Meltaway double manifold

Uponor snow and ice melting double manifold made of high density polyethylene (HDPE) pipe and equipped with compact-welded couplings oriented in two directions with an angle of 120° between them.

Description	unit	
Uponor Meltaway double manifold 75 2x12 c/c500 6m	1	pcs
Uponor Meltaway double manifold 110 2x12 c/c500 6m	1	pcs
Uponor Meltaway double manifold 160 2x12 c/c500 6m	1	pcs
Uponor Meltaway double manifold 75 2x40 c/c150 6m	1	pcs
Uponor Meltaway double manifold 110 2x40 c/c150 6m	1	pcs



Item no.	d mm	s mm
1033672	25	2.3
1033678	25	2.3

Uponor Meltaway coupling

Uponor straight couplings for snow and ice melting PE-X pipes 25x2.3
Made of HDPE.

Description	unit	
Uponor Meltaway coupling 25x2,3 145mm	1	pcs
Uponor Meltaway coupling 25x2,3 290mm	1	pcs



Item no.	d mm	s mm	L m
1033628	75	6.8	6
1033629	110	6.6	6
1033630	160	9.5	6

Uponor Meltaway feeder tubes

Uponor snow and ice melting supply pipes made of HDPE.

Description	unit	
Uponor Meltaway feeder tubes 75x6,8 6m	1	m
Uponor Meltaway feeder tubes 110x6,8 6m	1	m
Uponor Meltaway feeder tubes 160x9,5 6m	1	m



Uponor Meltaway endcap

Uponor snow and ice melting end cap made of HDPE.

Item no.	d mm
1033660	110
1033661	160

Description	unit	
Uponor Meltaway endcap 110	1	pcs
Uponor Meltaway endcap 160	1	pcs

Meltaway

Uponor Multi bend support plastic

Made of impact resistant plastic as bend support 90° bends in the manifold area.



Item no.	d mm	r mm	Description	unit	
1001230	25	120	Uponor Multi bend support plastic 25	50	pcs

Uponor Teck conduit black

Consists of pipe in conduit pipe. Fire classification E according to EN 13501-1. Pipe end caps as hygienic seal according EN 806. Used for pipe in pipe (PIP) installations to reduce the risk for water damages and allow for flexible media pipe to be replaced.



Item no.	d mm	d1 mm	L m	do mm	colour -	Description	unit 2	unit
1012869	25	29	50	35	black	Uponor Teck conduit 35/29 black 50m	1800	50 m

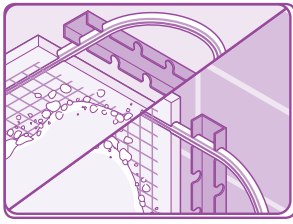
Uponor Meltaway bevelling tool

For de-studding the Uponor snow and ice melting pipe.



Item no.	d mm	Description	unit	
1033689	25	Uponor Meltaway bevelling tool dim 25	1	pcs

Fix 9,9

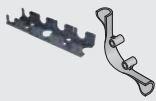


Uponor radiant heating and cooling system for ceiling and wall installation. Consists on 9,9 mm PE-Xa pipes integrated on the plaster covering of ceiling and walls. Due to the low thickness of the plaster covering, the system has really short reaction times and it is reacting quickly in case of any

condition change.



Line Components



Line components



Line pipe and fittings



Distribution lines/fittings



Tools/ Accesories

Your benefits

Universal: One system for ceiling and wall mounting

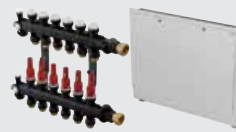
Low thickness: Minimum plaster covering thickness

Simple: Only few, optimally matched components

Comfort: Short heat-up times and quickly adjustable

Energy saving: Low operating temperatures

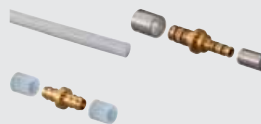
System accessories



Vario PLUS
Manifolds/Cabinets



Fluvia
Pump groups



Supply lines



Room controls



Tools

Fix 9,9

Uponor Fix clamp track

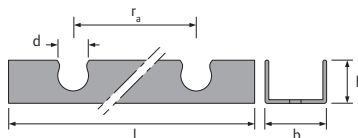
U-profile strip made of recycled material, with integrated pipe holder for 9.9 x 1.1 mm Uponor PE-Xa pipes.

Length of track: 2.5 m

Width of track: 24 mm

Space between pipe holders: 20 mm c/c

Installation height with pipe: 13 mm



Item no.	d mm	l mm	b mm	h mm	c/c mm
1005274	10	2500	24	13	20

Description

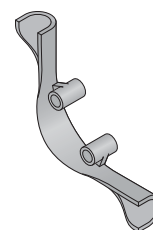
Uponor Fix clamp track
9,9mm c/c20mm 2,5m

unit

25 m

Uponor Fix bend support plastic

Made of impact resistant plastic to support 90° bends.



Item no.	d mm	r mm
1063781 NEW	9.9	51.58

Description

Uponor Fix bend support plastic fixture
9,9

unit 2

500

unit

50 pcs

Uponor Minitec Comfort Pipe

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol) in natural colour with a blue stripe. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings. Application class 4 - Underfloor heating and low temperature radiators.

Max design temperature: 90°C

Malfunction temperature 100°C

Design pressure 6 Bar at 70°C

Fire class: E according DIN EN 13501-1



Item no.	d mm	s mm	L m	V l/m
1063288 NEW	9.9	1.1	120	0.047
1063289 NEW	9.9	1.1	240	0.047
1063381 NEW	9.9	1.1	480	0.047

Description

Uponor Minitec
Comfort Pipe 9,9x1,1 120m
Uponor Minitec
Comfort Pipe 9,9x1,1 240m
Uponor Minitec
Comfort Pipe 9,9x1,1 480m

unit 2

1680

unit

120 m

2640

240 m

2880

480 m

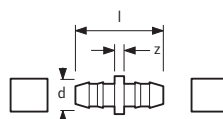
Uponor Minitec coupling, rings

For Uponor Minitec Comfort pipe 9,9x1,1, consisting of:

- 1 coupling

- 2 PEX Q&E rings for secure connection

Material: Coupling made in brass; PEX Q&E rings made in high-pressure cross-linked polyethylene



Item no.	d mm	s mm	l mm	z mm
1005264	9.9	1.1	34	4

Description

Uponor Minitec coupling, rings
9,9x1,1

unit 2

100

unit

10 pcs

Fix 9,9



Item no.	d mm	d1 mm	d2 mm
1020524	20	9.9	20

Uponor Minitec tee reduced, rings Q&E

For connection of Uponor PE-Xa pipes, consisting of:

- 1 tee
- 3 PEX Q&E rings for secure connection.

Material: coupling made in brass; PEX Q&E rings made in high pressure cross-linked polyethylene.

Description	unit 2	unit
Uponor Minitec tee reduced, rings Q&E 20xMinitec9,9xQ&E20	75	5 pcs



Item no.	d mm	d1 mm
1020518	9.9	20

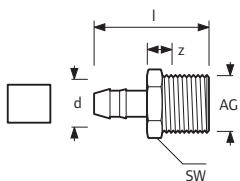
Uponor Minitec reducer, rings Q&E

For connection of Uponor PE-Xa pipes, consisting of:

- 1 coupling
- 2 PEX Q&E rings for secure connection.

Material: coupling made in brass; PEX Q&E rings made in high pressure cross-linked polyethylene.

Description	unit 2	unit
Uponor Minitec reducer, rings Q&E 20xMinitec9,9	150	5 pcs



Item no.	d mm	AG "	l mm	SW mm	z mm
1005265	9.9	R 1/2	39	22	14

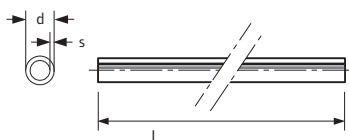
Uponor Minitec adapter male thread, ring

For connection of Uponor PE-Xa pipes 9.9x1.1mm, consisting of:

- 1 adapter
- 1 PEX Q&E rings for secure connection.

Material: coupling made in brass; PEX Q&E rings made in high pressure cross-linked polyethylene.

Description	unit 2	unit
Uponor Minitec adapter male thread, ring 9,9-R1/2"MT	100	10 pcs



Item no.	d mm	s mm	L m	V l/m
1009230	20	2.0	240	0.2
1009231	20	2.0	480	0.2

Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

Application class 4+5/ 6 bar

Max design temperature: 90°C

Malfunction temperature: 100°C

Design pressure 6/8 bar at 90°C/70°C

Fire class: E according DIN EN 13501-1

Description	unit 2	unit
Uponor Comfort Pipe PLUS 20x2,0 240m	960	240 m
Uponor Comfort Pipe PLUS 20x2,0 480m	960	480 m



Item no.	d mm	p bar	colour
1057454	20	6+10	white

Uponor Q&E evolution ring white

Made of PE material for all kind of Q&E installations for plumbing or underfloor heating. With stop edge, concial innershape, tactile ridges, meet all European approvals.

Description	unit 2	unit
Uponor Q&E evolution ring white 20	520	20 pcs

Fix 9,9

Uponor Q&E ring natural

Made of PE-Xa. Uponor PE-Xa rings natural intended for Uponor Q&E Fittings.



Item no.	d mm	colour -	Description	unit 2	unit	
1042837	20	natural	Uponor Q&E ring with stop edge natural, eval 20	520	20	pcs

Uponor Minitec ring natural

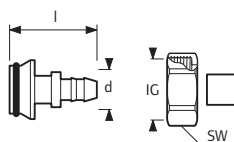
For Uponor PE-Xa pipe 9.9 x 1.1 mm; to secure fixing to Minitec fittings. Material: High-pressure cross-linked polyethylene (PE-Xa)



Item no.	d mm	Description	unit 2	unit	
1005263	9.9	Uponor Minitec ring natural 9,9x1,1	1600	10	pcs

Uponor Vario adapter Minitec

For connection of Uponor PE-Xa pipes 9.9 x 1.1 mm to Uponor manifolds and Uponor connection box, made of brass.



Item no.	d mm	IG "	l mm	SW mm	Description	unit 2	unit	
1005266	9.9	G 3/4	39	30	Uponor Vario adapter Minitec 9,9x1,1-G3/4" Euro	100	10	pcs

Uponor Q&E expansion tool with heads M12

Battery powered expander tool for 6 bar pipes up to dimension 32mm and for 10 bar pipes up to 28 mm.

Auto-rotating with M12 expander heads.

< 10seconds full expansion onto a joint

< 2.2kg with head and battery

Steel gear and integrated metal frame

LED work light, fuel gauge, Tool free head change

incl. 2 Li-ion 2,0 Ah batteries, charger 220-240V/50-60Hz and cone grease.



Item no.	Description	unit	
1063112	Uponor Q&E expansion tool with heads M12 6bar 9,9/20	1	set

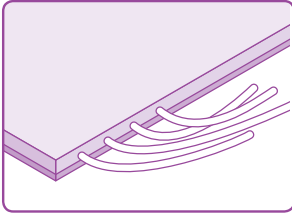
Uponor Q&E head M12

Uponor Q&E expansion head 9,9 to be used with Milwaukee M12 tool



Item no.	Description	unit	
1060702 NEW	Uponor Q&E head M12 9,9x1.1	1	pcs

Teporis



Uponor radiant heating and cooling system for ceiling installation. Consists on 9,9 mm PE-Xa pipes preinstalled on standard gypsum boards to be installed in gypsum ceiling structures. Installation work is simplified due to the pipe pre-installation in the gypsum boards, combining the ceiling installation

with the radiant/heating cooling system installation. Once installed the ceiling is ready to be painted. Heating and cooling output according European standards (EN 14240 and EN 14037).



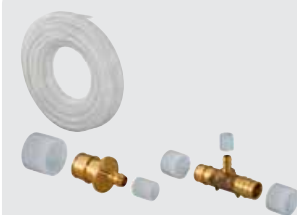
Line Components



Line components



Line pipe and fittings



Distribution lines/fittings



Tools/ Accesories

Your benefits

Efficient: Fast to install due to integration of pipes in gypsum boards and Q&E fitting technology.

Comfort: Short heat-up times and quickly adjustable

Energy saving: Low operating temperatures

System accessories



Vario PLUS
Manifolds/Cabinets



Fluvia
Pump groups



Supply lines



Room controls



Tools

Teporis

Uponor Teporis panel with EPS active

Consisting of a gypsum board (15mm), PE-Xa pipe 9.9x1.1 mm and 27mm of EPS 200 (30 kg/m³).



Item no.	l mm	b mm	h mm	c/c mm	A m ²
1047319	2000	1200	42	50	2.40
1047320	1000	1200	42	50	1.20
1047321	500	1200	42	50	0.60

Description	unit 2	unit	
Uponor Teporis panel with EPS active 2000x1200mm	25	1	pcs
Uponor Teporis panel with EPS active 1000x1200mm	50	1	pcs
Uponor Teporis panel with EPS active 500x1200mm	100	1	pcs

Uponor Teporis panel with EPS passive

Consisting of a gypsum board (15 mm) and 27 mm of EPS 200 (30 kg/m³)



Item no.	l mm	b mm	h mm	A m ²
1020506	2000	1200	42	2.40

Description	unit 2	unit	
Uponor Teporis panel with EPS passive 2000x1200mm	1	1	pcs

Uponor Fix clamp track

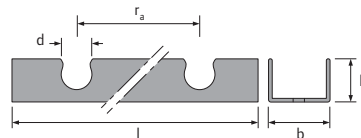
U-profile strip made of recycled material, with integrated pipe holder for 9.9 x 1.1 mm Uponor PE-Xa pipes.

Length of track: 2.5 m

Width of track: 24 mm

Space between pipe holders: 20 mm c/c

Installation height with pipe: 13 mm

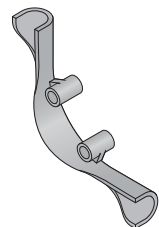


Item no.	d mm	l mm	b mm	h mm	c/c mm
1005274	10	2500	24	13	20

Description	unit	
Uponor Fix clamp track 9,9mm c/c20mm 2,5m	25	m

Uponor Fix bend support plastic

Made of impact resistant plastic to support 90° bends.



Item no.	d mm	r mm
1063781 NEW	9.9	51.58

Description	unit	
Uponor Fix bend support plastic fixture 9,9	500	50 pcs

Teporis



Uponor Minitec Comfort Pipe

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol) in natural colour with a blue stripe. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings. Application class 4 - Underfloor heating and low temperature radiators.

Max design temperature: 90°C

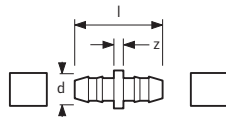
Malfunction temperature 100°C

Design pressure 6 Bar at 70°C

Fire class: E according DIN EN 13501-1

Item no.		d mm	s mm	L m	V l/m
1063288	NEW	9.9	1.1	120	0.047
1063289	NEW	9.9	1.1	240	0.047
1063381	NEW	9.9	1.1	480	0.047

Description	unit 2	unit
Uponor Minitec Comfort Pipe 9,9x1,1 120m	1680	120 m
Uponor Minitec Comfort Pipe 9,9x1,1 240m	2640	240 m
Uponor Minitec Comfort Pipe 9,9x1,1 480m	2880	480 m



Uponor Minitec coupling, rings

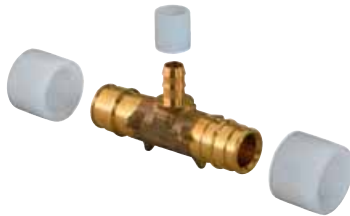
For Uponor Minitec Comfort pipe 9,9x1,1, consisting of:

- 1 coupling
- 2 PEX Q&E rings for secure connection

Material: Coupling made in brass; PEX Q&E rings made in high-pressure cross-linked polyethylene

Item no.		d mm	s mm	l mm	z mm
1005264		9.9	1.1	34	4

Description	unit 2	unit
Uponor Minitec coupling, rings 9,9x1,1	100	10 pcs



Uponor Minitec tee reduced, rings Q&E

For connection of Uponor PE-Xa pipes, consisting of:

- 1 tee
- 3 PEX Q&E rings for secure connection.

Material: coupling made in brass; PEX Q&E rings made in high pressure cross-linked polyethylene.

Item no.		d mm	d1 mm	d2 mm
1020524		20	9.9	20

Description	unit 2	unit
Uponor Minitec tee reduced, rings Q&E 20xMinitec9,9xQ&E20	75	5 pcs



Uponor Minitec reducer, rings Q&E

For connection of Uponor PE-Xa pipes, consisting of:

- 1 coupling
- 2 PEX Q&E rings for secure connection.

Material: coupling made in brass; PEX Q&E rings made in high pressure cross-linked polyethylene.

Item no.		d mm	d1 mm
1020518		9.9	20

Description	unit 2	unit
Uponor Minitec reducer, rings Q&E 20xMinitec9,9	150	5 pcs

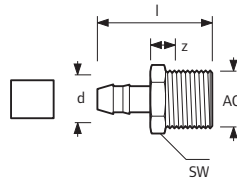
Teporis

Uponor Minitec adapter male thread, ring

For connection of Uponor PE-Xa pipes 9.9x1.1mm, consisting of:

- 1 adapter
- 1 PEX Q&E rings for secure connection.

Material: coupling made in brass; PEX Q&E rings made in high pressure cross-linked polyethylene.



Item no.	d mm	AG "	L mm	SW mm	z mm	Description	unit 2	unit
1005265	9.9	R 1/2	39	22	14	Uponor Minitec adapter male thread, ring 9,9-R1/2"MT	100	10 pcs

Uponor Comfort Pipe PLUS

PE-Xa pipe with an oxygen diffusion layer of EVOH (ethylene vinyl alcohol), with an extra outer protection layer in white colour with two blue stripes. Complying with EN ISO 15875 "Plastic piping systems for hot and cold water installation - Cross-linked polyethylene" and fulfils the requirement for oxygen diffusion resistance as per DIN 4726. These under floor heating and cooling pipes are suitable for Uponor Q&E and Compression fittings.

Application class 4+5/ 6 bar

Max design temperature: 90°C

Malfunction temperature: 100°C

Design pressure 6/8 bar at 90°C/70°C

Fire class: E according DIN EN 13501-1



Item no.	d mm	s mm	L m	V l/m	Description	unit 2	unit
1009230	20	2.0	240	0.2	Uponor Comfort Pipe PLUS 20x2,0 240m	960	240 m
1009231	20	2.0	480	0.2	Uponor Comfort Pipe PLUS 20x2,0 480m	960	480 m

Uponor Q&E evolution ring white

Made of PE material for all kind of Q&E installations for plumbing or underfloor heating. With stop edge, conical innershape, tactile ridges, meet all European approvals.



Item no.	d mm	p bar	colour	Description	unit 2	unit
1057454	20	6+10	white	Uponor Q&E evolution ring white 20	520	20 pcs

Uponor Q&E ring natural

Made of PE-Xa. Uponor PE-Xa rings natural intended for Uponor Q&E Fittings.



Item no.	d mm	colour	Description	unit 2	unit
1042837	20	natural	Uponor Q&E ring with stop edge natural, eval 20	520	20 pcs

Uponor Minitec ring natural

For Uponor PE-Xa pipe 9.9 x 1.1 mm; to secure fixing to Minitec fittings.

Material: High-pressure cross-linked polyethylene (PE-Xa)



Item no.	d mm	Description	unit 2	unit
1005263	9.9	Uponor Minitec ring natural 9,9x1,1	1600	10 pcs

Teporis



Uponor Q&E expansion head M12/M18

Q&E expander head for M12 and M18 tools.

Item no.	d mm	s mm	p bar	stroke mm	Description	unit
1057173	20	1.9/2.0	6	14	Uponor Q&E expansion head M12/M18 20x1,9/2,0	1 pcs



Uponor Q&E expansion tool with heads M12

Battery powered expander tool for 6 bar pipes up to dimension 32mm and for 10 bar pipes up to 28 mm.
Auto-rotating with M12 expander heads.
< 10seconds full expansion onto a joint
< 2.2kg with head and battery
Steel gear and integrated metal frame
LED work light, fuel gauge, Tool free head change
incl. 2 Li-ion 2,0 Ah batteries, charger 220-240V/50-60Hz and cone grease.

Item no.	Description	unit
1063112 NEW	Uponor Q&E expansion tool with heads M12 6bar 9,9/20	1 set

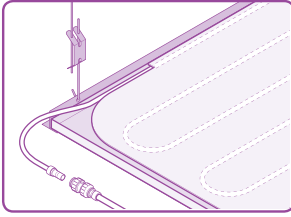


Uponor Q&E head M12

Uponor Q&E expansion head 9,9 to be used with Milwaukee M12 tool

Item no.	Description	unit
1060702	Uponor Q&E head M12 9,9x1,1	1 pcs

Comfort

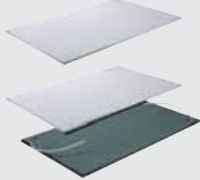
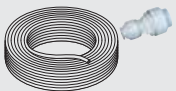



Uponor radiant heating and cooling system for ceiling installation. Consists of 10 mm PE-X pipes integrated in metallic ceiling panels to be installed in suspended ceilings. Ideal system to be used in commercial buildings and in renovation of existing suspended ceilings using the existing ceiling rails. The use

of natural expanded graphite as thermal transmission material results in a high system's heating/cooling output. Acoustic performance of rooms can be also improved by means of the combination of active radiant panels and acoustic panels. Heating and cooling output according European standards (EN 14240 and EN 14037).



Line Components

	Line components
	Line pipe and fittings
	Adaptors

Your benefits

Efficient: Fast and easy to install. No need of special tools

Compatible: Fits to 600 mm and 625 mm metal rail constructions

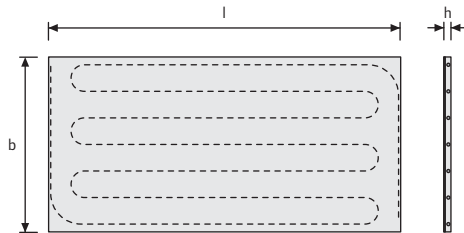
Flexible: New buildings and renovation

Silent: Possibility to increase acoustic performance with the combination of Comfort panel acoustic panels.

System accessories

	Vario PLUS Manifolds/Cabinets
	Fluvia Pump groups
	Supply lines
	Room controls
	Zone control
	Tools

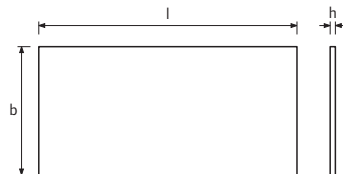
Comfort



Item no.	DN mm	l mm	b mm	h mm	A m ²	Weight kg
1045315	10x1.5	1240	615	20	0.76	5.03
1045316	10x1.5	1190	590	20	0.70	4.63
1045317	10x1.5	615	615	20	0.38	2.5
1045318	10x1.5	590	590	20	0.35	2.3

Uponor Comfort panel high performance

For cooling and heating of buildings with suspended raster frame ceiling. For already existing or new raster frames under the ceiling. With optically sophisticated surface from fleece coated steel sheet. High performance due to optimised thermal conductivity between surface and integrated 10x1,5 mm pipes, made of PE-X. Pipe carries additional marking to indicate the optimal "push in depth". Cooling capacity 74 W/m² by 8 K temperature difference complies with EN 14240 Heating capacity 103 W/m² by 15 K temperature difference complies with EN 14037



Item no.	l mm	b mm	h mm	A m ²	Weight kg
1022983	1240	615	18	0.76	0.96
1022984	1190	590	18	0.71	0.89
1045319	615	615	18	0.38	0.48
1045320	590	590	18	0.35	0.44

Description	unit
Uponor Comfort panel high performance 1250x625mm	1 pcs
Uponor Comfort panel high performance 1200x600mm	1 pcs
Uponor Comfort panel high performance 625x625mm	1 pcs
Uponor Comfort panel high performance 600x600mm	1 pcs

Uponor Comfort panel acoustic

For use in on-site installed suspended raster ceilings. With optically sophisticated surface from fleece coated mineral faser board, optically fits exactly to comfort panel.

Colour from below: white

Acoustical absorption (alpha w): 1,00

Acoustical absorption (NRC): 0,95

Building material class according to DIN 4102: A1

Description	unit 2	unit
Uponor Comfort panel acoustic 1250x625mm	16	16 pcs
Uponor Comfort panel acoustic 1200x600mm	64	16 pcs
Uponor Comfort panel acoustic 625x625mm	128	32 pcs
Uponor Comfort panel acoustic 600x600mm	128	32 pcs

Comfort

Uponor Push pipe

As pipe in coils for connection or extension between 2 comfort panels. Pipe carries additional marking to indicate the optimal "push in depth".

Material: PE-X pipe from high pressure cross-linked polyethylene

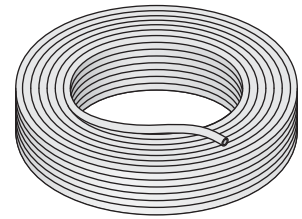
Medium: heating/cooling water acc. to VDI 2035 or water-glycol up to 50%

Temperature range: 0 to 60 °C

Pressure range: 0 to 6 bar by max. 65 °C

0 to 12 bar by max. 20 °C

Surrounding humidity: up to 90%



Item no.	d mm	s mm	L m	Description	unit 2	unit
1045327	10	1.5	100	Uponor Push pipe 10x1,5 100m	100	100 m

Uponor Push pipe insert

Pipe sleeve made of plastic, for plug in PE-X pipe ends, dimension 10 x 1,5 mm, for stiffening of a pipe in connection area with Uponor slip-connector.



Item no.	d mm	b mm	Description	unit 2	unit
1045328	7	5	Uponor Push pipe insert 10x1,5	100	10 pcs

Uponor Push coupling

Fitting for connection of more comfort panels together into one control circuit or to one ceiling panel area.

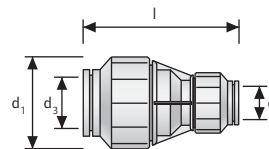
Medium: heating/cooling water acc. to VDI 2035 or water-glycol up to 50%

Temperature range: 0 to 60 °C

Pressure range: 0 to 6 bar by max. 65 °C

Surrounding humidity: up to 90%

Material: plastic



Item no.	d1 mm	d2 mm	d3 mm	l mm	Description	unit 2	unit
1045325	22	10	10	45	Uponor Push coupling 10-10	100	100 pcs
1045326	32	10	15	56	Uponor Push coupling 15-10	100	100 pcs

Uponor Push adapter male thread

for connection of 15 mm push-in system to male thread.

Material: nickel-plated brass

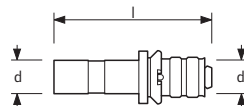


Item no.	d mm	AG "	l mm	Description	unit
1000299	15	R 1/2	57	Uponor Push adapter male thread 15-R1/2"MT	6 pcs
1000300	15	R 3/4	57	Uponor Push adapter male thread 15-R3/4"MT	6 pcs

Uponor Push adapter S-Press

For the connection of push system to Uponor MLC pipe.

Material: brass, press sleeve



Item no.	d mm	d1 mm	l mm	Description	unit
1000297	15	16x2.0	70	Uponor Push adapter S-Press 16x2,00-15	6 pcs
1000298	15	20x2.25	70	Uponor Push adapter S-Press 20x2,25-15	6 pcs
1060237	10	16x2.0	70	Uponor Push adapter S-Press 16x2,00-10	6 pcs

Comfort

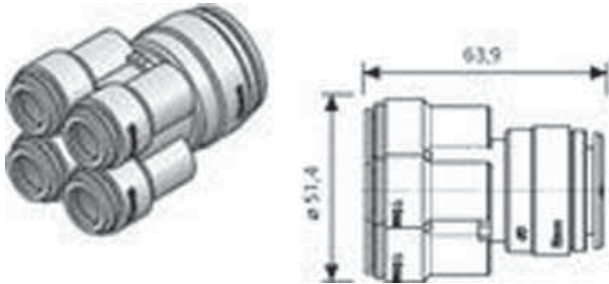


Item no.	d mm	d1 mm
1060236 NEW	10	16x2.0

Uponor Push adapter, ring Q&E

For the connection of push system to Uponor PEX pipe.
Material: Brass

Description	unit 2	unit	
Uponor Push adapter, ring Q&E 16-10	40	10	pcs

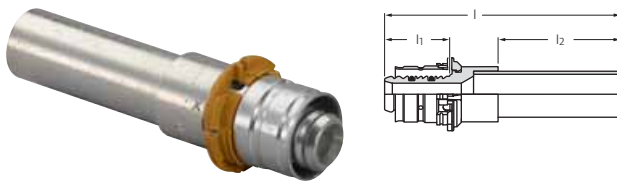


Item no.	d mm	l mm
1048684	52	64

Uponor Push manifold

Allows the connection of four series of panels to a supply line.
Temperature range: 0 – 60°C
Pressure range: 0-6 bar
Material: plastic

Description	unit 2	unit	
Uponor Push manifold 4x10-22	10 x 4	1	pcs



Item no.	d mm	d1 mm	l mm	l1 mm	l2 mm
1014558	20	Cu 22	82	22	41
1014584	25	Cu 22	90	30	41

Uponor S-Press adapter

Made of brass with soldered copper pipe acc EN 1057 complete tinplated.
With fixed press sleeve, stop ring, pressed identification, colour code, test safety.
Press without bevel.
Attention:
The copper site is only for press connections.

Description	unit 2	unit	
Uponor S-Press adapter 20-22CU	40	10	pcs
Uponor S-Press adapter 25-22CU	20	5	pcs

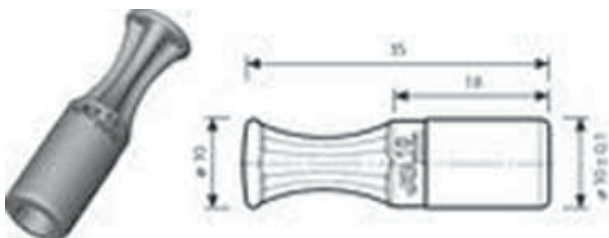


Item no.	d mm	d1 mm
1060235 NEW	20	22

Uponor Push adapter, ring Q&E

For the connection of push system to Uponor PEX pipe.
Material: Brass

Description	unit 2	unit	
Uponor Push adapter, ring Q&E 20-22	40	10	pcs



Item no.	d mm	l mm
1048685	10	35

Uponor Push end plug

To close open distribution line from the 4 x Push Manifold.
Temperature range: 1 – 60°C
Pressure range: 0-6 bar
Material: plastic

Description	unit	
Uponor Push end plug 10	1	pcs

Comfort

Uponor Push adapter male thread

For 10 mm PEX pipe to a flat-sealed 1/2" thread.
Material: brass



Item no.	d mm	AG "	Description	unit 2	unit	
1061874 NEW	10	1/2	Uponor Push adapter male thread 10-1/2"MT	100	10	pcs

Uponor Push adapter sleeve

For 10 mm PEX pipe to a 15 mm plastic sleeve. Together with the 1013830 UPONOR COMPRESSION BRASS ADAPTER COPPER 15CU-3/4" (EUROCONE) designed for fast connection to 3/4" Eurocone manifolds.
Material: plastic



Item no.	d mm	d2 mm	Description	unit 2	unit	
1061875 NEW	10	15	Uponor Push adapter sleeve 10-15	50	10	pcs

Uponor Smart Radi adapter

With 3/4FT eurocone, elastically sealing, for the connection of the coated copper pipe 15 x 1 mm of the Uponor press connection elbow, Uponor press connection tee to the tap battery, radiator or Uponor radiator connection adapter with 3/4FT eurocone. Coated brass union nut, brass clamp ring blank and sealing cone made of EPDM. Ribbed union nut with wrench size 30.



Item no.	d mm	IG "	Description	unit 2	unit	
1013830	15	G3/4	Uponor Smart Radi adapter 15CU-3/4" Euro	80	10	pcs

Uponor Push flex hose

Flex hose with push connector DIM 10 on both sides



Item no.	d1 mm	d2 mm	l mm	Description	unit	
1061945	10	10	800	Uponor Push flex hose 10-10 800mm	50	pcs
1061946	10	10	1200	Uponor Push flex hose 10-10 1200mm	50	pcs
1061947	10	10	1600	Uponor Push flex hose 10-10 1600mm	50	pcs
1061948	10	10	2000	Uponor Push flex hose 10-10 2000mm	50	pcs

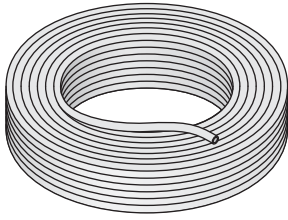
Uponor Push ball valve male thread

Mini ball valve with a sleeve to a flat-sealed 1/2" thread.



Item no.	AG "	Sleeve mm	Description	unit	
1061897	1/2	10	Uponor Push ball valve male thread 10-1/2"MT	50	pcs

Push



Uponor Push pipe

As pipe in coils for connection or extension between 2 comfort panels. Pipe carries additional marking to indicate the optimal "push in depth".

Material: PE-X pipe from high pressure cross-linked polyethylene

Medium: heating/cooling water acc. to VDI 2035 or water-glycol up to 50%

Temperature range: 0 to 60 °C

Pressure range: 0 to 6 bar by max. 65 °C

0 to 12 bar by max. 20 °C

Surrounding humidity: up to 90%

Item no.	d mm	s mm	L m
1045327	10	1.5	100

Description	unit 2	unit
Uponor Push pipe 10x1,5 100m	100	100 m

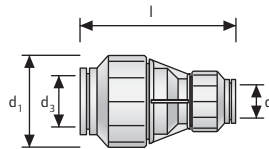


Uponor Push pipe insert

Pipe sleeve made of plastic, for plug in PE-X pipe ends, dimension 10 x 1,5 mm, for stiffening of a pipe in connection area with Uponor slip-connector.

Item no.	d mm	b mm
1045328	7	5

Description	unit 2	unit
Uponor Push pipe insert 10x1,5	100	10 pcs



Uponor Push coupling

Fitting for connection of more comfort panels together into one control circuit or to one ceiling panel area.

Medium: heating/cooling water acc. to VDI 2035 or water-glycol up to 50%

Temperature range: 0 to 60 °C

Pressure range: 0 to 6 bar by max. 65 °C

Surrounding humidity: up to 90%

Material: plastic

Item no.	d1 mm	d2 mm	d3 mm	l mm
1045325	22	10	10	45
1045326	32	10	15	56

Description	unit 2	unit
Uponor Push coupling 10-10	100	100 pcs
Uponor Push coupling 15-10	100	100 pcs



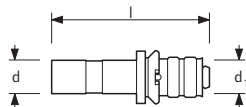
Uponor Push adapter male thread

for connection of 15 mm push-in system to male thread.

Material: nickel-plated brass

Item no.	d mm	AG "	l mm
1000299	15	R 1/2	57
1000300	15	R 3/4	57

Description	unit
Uponor Push adapter male thread 15-R1/2"MT	6 pcs
Uponor Push adapter male thread 15-R3/4"MT	6 pcs



Uponor Push adapter S-Press

For the connection of push system to Uponor MLC pipe.

Material: brass, press sleeve

Item no.	d mm	d1 mm	l mm
1000297	15	16x2.0	70
1000298	15	20x2.25	70
1060237	10	16x2.0	70

Description	unit
Uponor Push adapter S-Press 16x2,00-15	6 pcs
Uponor Push adapter S-Press 20x2,25-15	6 pcs
Uponor Push adapter S-Press 16x2,00-10	6 pcs

Push

Uponor Push tee adapter S-Press

for connection of 15 mm push-fitting and Uponor MLC- pipe 20x2,25.

Consists of:

1 TEE adapter / brass including press sleeves



Item no.	d mm	d1 mm	d2 mm	Description	unit 2	unit	
1063937 NEW	20	15	20	Uponor Push tee adapter S-Press 20-Push15-Press20	6	2	pcs

Uponor Push adapter, ring Q&E

For the connection of push system to Uponor PEX pipe.

Material: Brass



Item no.	d mm	d1 mm	Description	unit 2	unit	
1060236 NEW	10	16x2.0	Uponor Push adapter, ring Q&E 16-10	40	10	pcs

Uponor Push adapter Q&E

for connection of 15 mm push fitting and Uponor PEX-a pipe.

Consists of:

1 adapter / brass

2 Q&E rings



Item no.	d mm	d1 mm	Description	unit 2	unit	
1063936 NEW	15	20	Uponor Push adapter Q&E 20-Push15	6	2	pcs

Uponor Push tee adapter Q&E

for connection of 15 mm push fitting and Uponor PEXa- pipes.

Consists of:

1 TEE Adapter / brass

2 PEX rings



Item no.	d mm	d1 mm	d2 mm	Description	unit 2	unit	
1063935 NEW	20	15	20	Uponor Push tee adapter Q&E 20-Push15-Q&E20	6	2	pcs

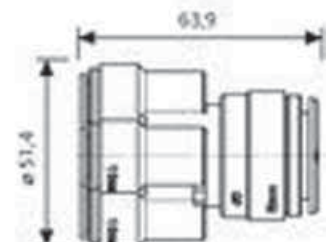
Uponor Push manifold

Allows the connection of four series of panels to a supply line.

Temperature range: 0 – 60°C

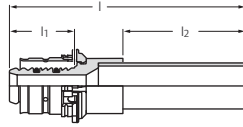
Pressure range: 0-6 bar

Material: plastic



Item no.	d mm	l mm	Description	unit 2	unit	
1048684	52	64	Uponor Push manifold 4x10-22	10 x 4	1	pcs

Push



Uponor S-Press adapter

Made of brass with soldered copper pipe acc EN 1057 complete tinplated.
With fixed press sleeve, stop ring, pressed identification, colour code, test safety.

Press without bevel.

Attention:

The copper site is only for press connections.

Item no.	d mm	d1 mm	l mm	l1 mm	l2 mm
1014558	20	Cu 22	82	22	41
1014584	25	Cu 22	90	30	41

Description	unit 2	unit
Uponor S-Press adapter 20-22CU	40	10 pcs
Uponor S-Press adapter 25-22CU	20	5 pcs



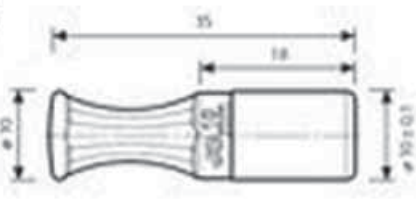
Item no.	d mm	d1 mm
1060235 NEW	20	22

Uponor Push adapter, ring Q&E

For the connection of push system to Uponor PEX pipe.

Material: Brass

Description	unit 2	unit
Uponor Push adapter, ring Q&E 20-22	40	10 pcs



Uponor Push end plug

To close open distribution line from the 4 x Push Manifold.

Temperature range: 1 – 60°C

Pressure range: 0-6 bar

Material: plastic

Item no.	d mm	l mm
1048685	10	35

Description	unit
Uponor Push end plug 10	1 pcs



Item no.	d mm	AG "
1061874 NEW	10	1/2

Uponor Push adapter male thread

For 10 mm PEX pipe to a flat-sealed 1/2" thread.

Material: brass

Description	unit 2	unit
Uponor Push adapter male thread 10-1/2"MT	100	10 pcs

Push

Uponor Push adapter sleeve

For 10 mm PEX pipe to a 15 mm plastic sleeve. Together with the 1013830 UPONOR COMPRESSION BRASS ADAPTER COPPER 15CU-3/4" (EUROCONE)

designed for fast connection to 3/4" Eurocone manifolds.

Material: plastic



Item no.	d mm	d2 mm	Description	unit 2	unit
1061875 NEW	10	15	Uponor Push adapter sleeve 10-15	50	10 pcs

Uponor Smart Radi adapter

With 3/4FT eurocone, elastically sealing, for the connection of the coated copper pipe 15 x 1 mm of the Uponor press connection elbow, Uponor press connection tee to the tap battery, radiator or Uponor radiator connection adapter with 3/4FT eurocone. Coated brass union nut, brass clamp ring blank and sealing cone made of EPDM. Ribbed union nut with wrench size 30.



Item no.	d mm	IG "	Description	unit 2	unit
1013830	15	G3/4	Uponor Smart Radi adapter 15CU-3/4" Euro	80	10 pcs

Uponor Push flex hose

Flex hose with push connector DIM 10 on both sides



Item no.	d1 mm	d2 mm	l mm	Description	unit
1061945	10	10	800	Uponor Push flex hose 10-10 800mm	50 pcs
1061946	10	10	1200	Uponor Push flex hose 10-10 1200mm	50 pcs
1061947	10	10	1600	Uponor Push flex hose 10-10 1600mm	50 pcs
1061948	10	10	2000	Uponor Push flex hose 10-10 2000mm	50 pcs

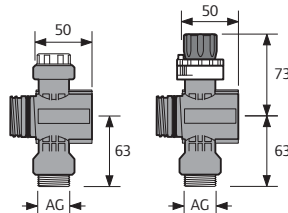
Uponor Push ball valve male thread

Mini ball valve with a sleeve to a flat-sealed 1/2" thread.



Item no.	AG "	Sleeve mm	Description	unit
1061897	1/2	10	Uponor Push ball valve male thread 10-1/2"MT	50 pcs

Vario PLUS



Uponor Vario PLUS manifold w. valve

modules for 1,3,4,6 loops, combineable to max. 12 loops,
for connection with basic kit,
connection right or left with flat sealing, or connection from below with optional elbowset,
supply with lockshield valve for balancing (with adjusting ring) and shutoff, adjusting ring for balancing without tools, prepared places for room name labels,
return with valves and caps, prepared for actuators
No.1000138 (24V male)
No. 1005605 (230V male)
No.1005544 (DDC)
loop connection G3/4" eurocone
loop pitch 50 mm
header pitch 225 mm
max. pressure: 6 bar
max. temperature: 60°C
material: fibre glass reinforced polyamide

Item no.	outlets l	
	-	mm
1042420	1	50
1030580	3	150
1030581	4	200
1030582	6	300

Description	unit 2	unit
Uponor Vario PLUS manifold w. valve LS 1X	10	1 set
Uponor Vario PLUS manifold w. valve LS 3X 3/4 Euro		1 set
Uponor Vario PLUS manifold w. valve LS 4X 3/4 Euro		1 set
Uponor Vario PLUS manifold w. valve LS 6X 3/4 Euro		1 set



Uponor Vario PLUS manifold flowmeter

modules for 1,3,4,6 loops, combineable to max. 12 loops,
for connection with basic kit,
connection right or left with flat sealing,
or connection from below with optional elbowset,
supply with with Topmeter for balancing, shut-off and flow view,
prepared places for room name labels,
return with valves and caps, prepared for actuators
No.1000138 (24V male)
No. 1005605 (230V male)
No.1005544 (DDC)
loop connection G3/4" eurocone
loop pitch 50 mm
header pitch 225 mm
max. pressure: 6 bar
max. temperature: 60°C
material: fibre glass reinforced polyamide

Item no.	outlets l	
	-	mm
1042471	1	50
1030583	3	150
1030584	4	200
1030585	6	300

Description	unit 2	unit
Uponor Vario PLUS manifold flowmeter FM 1X	10	1 set
Uponor Vario PLUS manifold flowmeter FM 3X 3/4 Euro		1 set
Uponor Vario PLUS manifold flowmeter FM 4X 3/4 Euro		1 set
Uponor Vario PLUS manifold flowmeter FM 6X 3/4 Euro		1 set

Vario PLUS

Uponor Vario compression adapter PEX

Compression adapter made of brass, with integrated clamp ring, for connection of Uponor PE-Xa pipes to manifolds with thread 3/4" eurocone, acc. EN 16313.



Item no.		d mm	IG "	s mm	SW mm	Description	unit 2	unit	
1065283	NEW	14	G3/4"	2,0	30	Uponor Vario compression adapter PEX 14x2,0-G3/4"FTEuro	25	1	pcs
1065284	NEW	16	G3/4"	1,8/2,0	30	Uponor Vario compression adapter PEX 16x1,8/2,0-G3/4"FTEuro	25	1	pcs
1065286	NEW	17	G3/4"	2,0	30	Uponor Vario compression adapter PEX 17x2,0-G3/4"FTEuro	25	1	pcs
1065290	NEW	20	G3/4"	1,9/2,0	30	Uponor Vario compression adapter PEX 20x1,9/2,0-G3/4"FTEuro	25	1	pcs

Uponor Vario PLUS manifold kit

For Uponor Vario Plus manifold 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.	l mm	Description	unit	
1009209	150	Uponor Vario PLUS manifold kit K1	1	pcs

Uponor Vario PLUS manifold kit

For Uponor Vario Plus manifold including brackets, flat sealing screw connection pieces with swivel nut, thermometer, end pieces with air trap, filling and draining tap and a by-pass.



Item no.	Description	unit	
1046882	Uponor Vario PLUS manifold kit K2	1	set

Vario PLUS



Uponor Vario PLUS insulation kit

For Uponor Vario Plus manifolds, consists of 2 flexible tubes with holes for valves and outlets. With 2 distance support rails for manifold brackets, screws, clip fasteners. Insulation thickness 19 mm, 0,038 W/mK, fire classification BLS3d0 (EN 13501-1). Length 665 mm, for manifolds with 2-12 ports.

Item no.

1063207

Description

Uponor Vario PLUS insulation kit

unit

1 set



Uponor Vario PLUS elbow connection

For connection of supply/return pipes to Uponor Vario Plus manifold from the bottom. Made of fibreglass reinforced polyamid. Max. operating temperature: 60°C; Max. operating pressure: 6 bar.

Item no.

1032702

AG

1

Description

Uponor Vario PLUS elbow connection
122/42

unit 2

10

unit

1 set



Uponor Vario PLUS overflow valve

By-pass for direct connection to the Vario Plus manifold. It includes a differential pressure valve. Allows water circulation when all the loops have been closed. Valid for pump and shunt groups without pre-installed by-pass.

Item no.

1046884

Description

Uponor Vario PLUS overflow valve
225mm

unit

1 pcs



Uponor Vario PLUS distance set

For connection of Uponor Vario Plus manifold single segments to the manifold in case of heating loop connection from top and bottom.

Item no.

1009215

DN

1

Description

Uponor Vario PLUS distance set

unit 2

10

unit

1 pcs

Vario PLUS

Uponor Vario PLUS hose connection

For connection of refill/drainage hose 1/2" to Uponor Vario Plus manifold.



Item no.	IG "	Description	unit 2	unit	
1009214	3/4	Uponor Vario PLUS hose connection G3/4 x 1/2	10	1	pcs

Uponor SPI Vario PLUS flowmeter

For adjusting the water quantity of the individual heating loops in a range of 0 -4 l/min. Water quantity is indicated in the inspection window. With shut-off function. Made of fibre-glass reinforced polyamid.



Item no.	Description	unit 2	unit	
1009217	Uponor SPI Vario PLUS flowmeter 4 l/min	20	1	pcs

Uponor Vario PLUS valve tool

For mounting and de-mounting the valves of the Vario Plus manifold.



Item no.	Description	unit	
1009216	Uponor Vario PLUS valve tool	1	pcs

Uponor Vario PLUS actuator Pro

24 V, with open/closed indicator, suitable for use with Uponor Vario Plus Manifolds in connection with Uponor radio or wired control system. Closes when idle. With all-round shower protection (IP 54). Suitable for operation at ambient temperature of up to 60°C. Threaded connector M 30 x 1.5 mm MT. Height: 54 mm.

Conformity: CE



Item no.	d mm	AG mm	P W	OV V	h mm	Description	unit 2	unit	
1000138	40	30x1.5	~2	24	54	Uponor Vario PLUS actuator Pro NC MT 30x1,5 24V	10	1	pcs

Uponor Vario PLUS actuator Pro

230 V, with open/closed indicator, suitable for use with Uponor Vario Plus Manifolds. Closes when idle. With all-round shower protection (IP 54). Suitable for operation at ambient temperature of up to 60°C. Threaded connector M 30 x 1.5 mm MT. Height: 54 mm.

Conformity: CE



Item no.	d mm	AG mm	P W	OV V	h mm	Description	unit 2	unit	
1005605	40	30x1.5	~2	230	54	Uponor Vario PLUS actuator Pro 230V NC MT 30x1,5	10	1	pcs

Vario S



Uponor Vario S manifold w. valve ST

manifold bar, made of stainless steel, with integrated valves,
 connection right or left with flat sealing
 supply with lockshield valve for balancing and shutoff,
 return with valves and caps, prepared for actuators
 No.1013008 (24V and No. 1013006 (230V)
 integrated airvents and fill&drain points in supply and return,
 loop connection G3/4" eurocone
 loop pitch 50 mm
 header pitch 225 mm
 max. pressure: 6 bar
 max. temperature: 60°C

Item no.	outlets		Description	unit	
	-	mm			
1013062	2	167.5	Uponor Vario S manifold w. valve ST LS 2X	1	pcs
1013063	3	217.5	Uponor Vario S manifold w. valve ST LS 3X	1	pcs
1013064	4	267.5	Uponor Vario S manifold w. valve ST LS 4X	1	pcs
1013065	5	317.5	Uponor Vario S manifold w. valve ST LS 5X	1	pcs
1013066	6	367.5	Uponor Vario S manifold w. valve ST LS 6X	1	pcs
1013067	7	417.5	Uponor Vario S manifold w. valve ST LS 7X	1	pcs
1013068	8	467.5	Uponor Vario S manifold w. valve ST LS 8X	1	pcs
1013069	9	517.5	Uponor Vario S manifold w. valve ST LS 9X	1	pcs
1013070	10	567.5	Uponor Vario S manifold w. valve ST LS 10X	1	pcs
1013071	11	617.5	Uponor Vario S manifold w. valve ST LS 11X	1	pcs
1013072	12	667.5	Uponor Vario S manifold w. valve ST LS 12X	1	pcs



Uponor Vario S manifold flowmeter ST

manifold bar, made of stainless steel, with integrated valves,
 connection right or left with flat sealing
 supply with flow meter for balancing and shutoff,
 return with valves and caps, prepared for actuators
 No.1013008 (24V and No. 1013006 (230V)
 integrated airvents and fill&drain points in supply and return,
 loop connection G3/4" eurocone
 loop pitch 50 mm
 header pitch 225 mm
 max. pressure: 6 bar
 max. temperature: 60°C

Item no.	outlets		Description	unit	
	-	mm			
1013051	2	167.5	Uponor Vario S manifold flowmeter ST FM 2X	1	pcs
1013052	3	217.5	Uponor Vario S manifold flowmeter ST FM 3X	1	pcs
1013053	4	267.5	Uponor Vario S manifold flowmeter ST FM 4X	1	pcs
1013054	5	317.5	Uponor Vario S manifold flowmeter ST FM 5X	1	pcs
1013055	6	367.5	Uponor Vario S manifold flowmeter ST FM 6X	1	pcs
1013056	7	417.5	Uponor Vario S manifold flowmeter ST FM 7X	1	pcs
1013057	8	467.5	Uponor Vario S manifold flowmeter ST FM 8X	1	pcs
1013058	9	517.5	Uponor Vario S manifold flowmeter ST FM 9X	1	pcs
1013059	10	567.5	Uponor Vario S manifold flowmeter ST FM 10X	1	pcs
1013060	11	617.5	Uponor Vario S manifold flowmeter ST FM 11X	1	pcs
1013061	12	667.5	Uponor Vario S manifold flowmeter ST FM 12X	1	pcs

Vario S

Uponor Vario S actuator ST

24 V, with open/closed indicator, suitable for use with Uponor Vario S (stainless steel) Manifolds in connection with Uponor control system. Closes when idle. With all-round shower protection (IP 54). Suitable for operation at ambient temperature of up to 60°C. Threaded connector M 30 x 1.5 mm FT. Height: 56 mm

Conformity: CE

Item no.	d mm	IG mm	P W	OV V	h mm
1013008	40	30x1.5	~ 2	24	56

Description	unit 2	unit
Uponor Vario S actuator ST 24V NC FT M30x1,5	10	1 pcs



Uponor Vario S actuator ST

230 V, with open/closed indicator, suitable for use with Uponor Vario S (Stainless Steel) Manifolds. Closes when idle. With all-round shower protection (IP 54). Suitable for operation at ambient temperature of up to 60°C. Threaded connector M 30 x 1.5 mm FT. Height: 56 mm

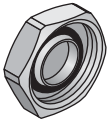
Conformity: CE

Item no.	d mm	IG mm	P W	OV V	h mm
1013006	40	30x1.5	~ 2	230	56

Description	unit 2	unit
Uponor Vario S actuator ST 230V NC FT M30x1,5	10	1 pcs



Vario



Uponor Uni-X manifold end cap H

Made of coated brass, with eurocone sealing insert.

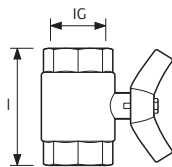
Item no.	IG "	Description	unit 2	unit
1014122	G 3/4	Uponor Uni-X manifold end cap H 3/4"FT Euro	80	10 pcs



Uponor Vario ball valve

Made of plated brass. With flat-sealing vertical screw connection 1 MT. Length: 60 mm.

Item no.	AG "	IG "	Description	unit
1032701	1	1	Uponor Vario ball valve G1-G1	1 set



Uponor Vario ball valve

For closing of cooling and heating areas and supply pipes.
Medium: heating/cooling water acc. to VDI 2035 or water-glycol up to 50%

Temperature range: -10 to + 110 °C

Pressure range: 0 to 10 bar

Surrounding humidity: up to 95%

Material: nickel-plated brass

Item no.	IG "	I mm	Description	unit 2	unit
1022986	G 3/4	50	Uponor Vario ball valve 3/4"FTx3/4"FT 50mm	8	1 pcs
1022985	G 1	50	Uponor Vario ball valve 1"FTx1"FT 50mm	6	1 pcs



Uponor Vario balancing valve

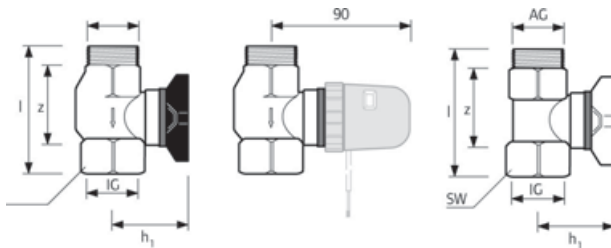
For the hydraulic balancing and shut-off of the Uponor Vario Plus manifold, consisting of:

- G 1/Rp 1 inlet control valve for the hydraulic balancing and independent shut-off of the manifold, including hand wheel and display for settings/closing
kvs value: 5.4 m³/h

- G 1/Rp 1 return valve for the shut-off of the manifold, including hand wheel and display for closing; adaptable for Uponor plastic manifold actuators.

kvs value: 6.4 m³/h

In conjunction with Uponor plastic manifold actuators, the kvs value is 4.8 m³/h.



The connecting valve can be used to control individual zones.

Material: Housing made in brass, hand wheels made in polyamide

Max. testy pressure: 10 bar (water)

Item no.	AG "	IG "	I mm	SW mm	h1 mm	z mm	Description	unit 2	unit
1005100	G 1	Rp 1	80	38	50	45	Uponor Vario balancing valve G1 - Rp1	15	1 set

Vario

Uponor Vario spanner 30mm

For swivel nut of the Uponor compression adapters



Item no.	SW mm
1006265	30

Description	unit
Uponor Vario spanner 30mm	1 pcs

Uponor Vario cabinet in-wall UP

For attachment of Uponor manifolds, Uponor controller and Uponor pump control stations on universal rail fixation incl. fixation set.

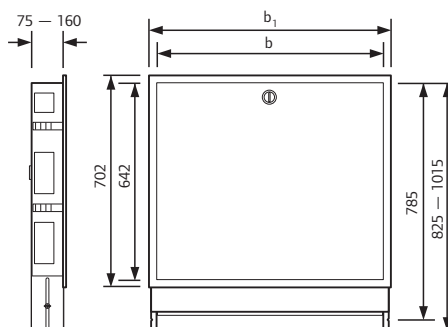
Material: galvanised steel.

Colour: white powder coated RAL 9016

Height-adjustable: 825 - 1015 mm

Depth-adjustable: 75 - 160 mm

Floor construction height: 40 - 230 mm.



Item no.	b mm	b1 mm	b2 mm	h1 mm
1045477	1300	1355	1350	840-1030

Description	unit 2	unit
Uponor Vario cabinet in-wall UP 1300x75-160mm	8	1 pcs

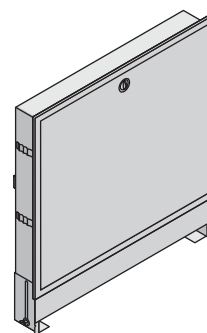
Uponor Vario cabinet in-wall PT

For attachment of Uponor manifolds, Uponor controller and Uponor pump control stations on universal rail fixation incl. fixation set. Made of galvanized steel. All visible parts are powder coated in white colour (RAL 9010).

Cabinet width (with frame): 555-950mm

Cabinet installation depth: 120-180mm

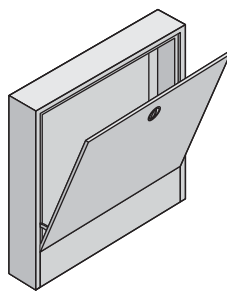
Cabinet installation high: 820-910mm



Item no.	b mm	h mm
1046991	555	820-910
1046992	710	820-910
1046993	785	820-910
1046994	950	820-910

Description	unit
Uponor Vario cabinet in-wall PT 565x123mm	1 pcs
Uponor Vario cabinet in-wall PT 715x123mm	1 pcs
Uponor Vario cabinet in-wall PT 790x123mm	1 pcs
Uponor Vario cabinet in-wall PT 952x123mm	1 pcs

Vario



Uponor Vario cabinet on-wall AP

For use as a cover of Uponor manifolds, Uponor controller and Uponor pump control stations, or in combination with the rear bord for attachment of Uponor manifolds, Uponor controller and Uponor pump control stations on universal rail fixation incl. fixation set.

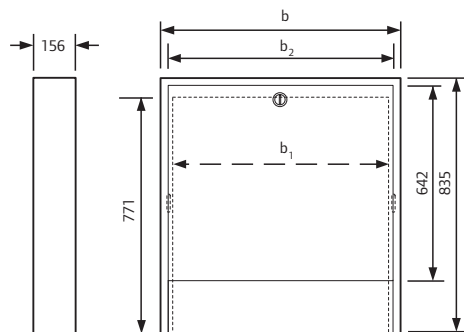
Material: galvanised steel.

Colour: white powder coated - RAL 9016

Height: 835 mm

Depth: 156 mm

Height-adjustable to floor construction: +/- 15 mm.



Item no.	b mm	b1 mm	b2 mm	Description	unit 2	unit	
1045481	1350	1232	1290	Uponor Vario cabinet on-wall AP 1350x156mm	8	1	pcs

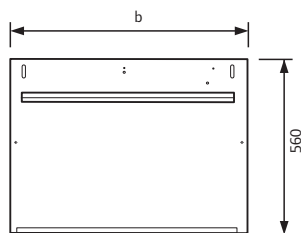


Uponor Vario cabinet rear board AP

for optional mounting in the surface-mounted cabinet. To be used for attachment of Uponor manifolds, Uponor controller and Uponor pump control stations on universal rail fixation incl. fixation set.

Material: galvanised steel.

Height: 560 mm

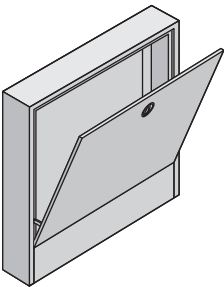


Item no.	b mm	Description	unit	
1045485	1330	Uponor Vario cabinet rear board AP 1330mm	1	pcs

Vario

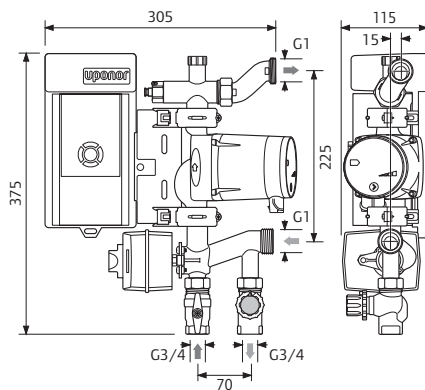
Uponor Vario cabinet on-wall NT

For attachment of Uponor manifolds, Uponor controller and Uponor pump control stations on universal rail fixation incl. fixation set. Made of galvanized steel. All visible parts are powder coated in white colour (RAL 9010). Cabinet width (with frame): 555-950mm
Cabinet installation depth: 160mm
Cabinet installation high: 820mm



Item no.	d mm	b mm	h mm	Description	unit	
1046996	160	555	820	Uponor Vario cabinet on-wall NT 555x160mm	1	pcs
1046997	160	710	820	Uponor Vario cabinet on-wall NT 705x160mm	1	pcs
1046998	160	785	820	Uponor Vario cabinet on-wall NT 785x160mm	1	pcs
1046999	160	950	820	Uponor Vario cabinet on-wall NT 950x160mm	1	pcs

Fluvia E



Uponor Fluvia E pumpgroup MPG-10-A

to connect to uponor UFHC-manifolds, installation with manifolds on-wall or in cabinets,
pre-mounted with supply temperature control C-46 , consisting of :
-Uponor C-46 control, weather-compensated and with interface to Uponor zone temperature control C-56
-outdoor temperature sensor (for installation on buildingsite)
-water temperature sensor for supply temperature

3-way-mixing valve, motor drive
kvs 4,3
pump (Grundfos alpha2L 15-60)
Q: 0,1-2,5 m³/h, H: 6-2,4 m EEI 0,17
proportional pressure control

ball valve + balancing valve primary
secondary connection G1 (MT)

upgrade to heating/cooling possible with
humidity sensor RH-56 No. 1047846 and Antenna 1000513.

max. 90° primary, max. 60° secondary,
max. 10 bar

Item no.	Description	unit	
1048780	Uponor Fluvia E pumpgroup MPG-10-A	1	pcs



Uponor Fluvia Move PLUS pumpgroup MPG-10-A-W

to connect to uponor UFHC-manifolds, installation with manifolds on-wall or in cabinets,
pre-mounted with supply temperature control Uponor Smatrix Move.
-Uponor Smatrix Move controller
-outdoor temperature sensor (for installation on buildingsite)
-water temperature sensor for supply temperature

3-way-mixing valve, motor drive
kvs 4,3
pump (WILO Yonos Para 15/6)
Q: 0,1-2,5 m³/h, H: 6-2,4 m EEI 0,17
proportional pressure control

ball valve + balancing valve primary
secondary connection G1 (MT)

max. 90° primary,
max. 60° secondary,
max. 6 bar

Item no.	Description	unit 2	unit	
1078306 06.2015	Uponor Fluvia Move PLUS pumpgroup MPG-10-A-W	30	1	pcs

 available from

Fluvia E

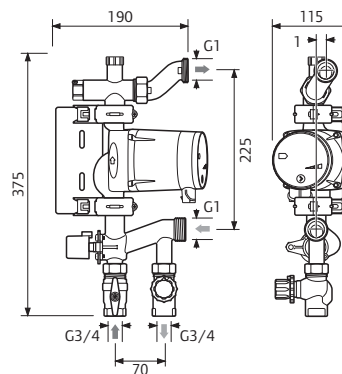
Uponor Fluvia E pumpgroup MPG-10-B

to connect to uponor UFHC-manifolds,
installation with manifolds on-wall or in cabinets,
without actuator, without control ,
for connection to external boiler control or connection to Uponor climate
controller C-46 heating/cooling,
requires Motor 1002356 or 1002357

3-way-valve mixing
kvs 4,3
pump (Grundfos alpha2L 15-60)
Q: 0,1-2,5 m³/h, H: 6-2,4 m EEI 0,17
proportional pressure control

connection G1 (MT) secondary
ball valve+balancing valve primary
for installation left or right of manifold

max. 90° primary, max. 60° secondary



Item no.	Description	unit	
1048781	Uponor Fluvia E pumpgroup MPG-10-B	1	pcs

Uponor Fluvia Move PLUS pumpgroup MPG-10-B-W

to connect to uponor UFHC-manifolds,
installation with manifolds on-wall or in cabinets,
without actuator, without control ,
for connection to external boiler control or connection to Uponor Smatrix
Move controller,
requires Motor 1002357

3-way-valve mixing
kvs 4,3
pump (WILO Yonos Para 15/6 RKA)
Q: 0,1-2,5 m³/h, H: 6-2,4 m EEI 0,17
proportional pressure control

connection G1 (MT) secondary
ball valve+balancing valve primary
for installation left or right of manifold

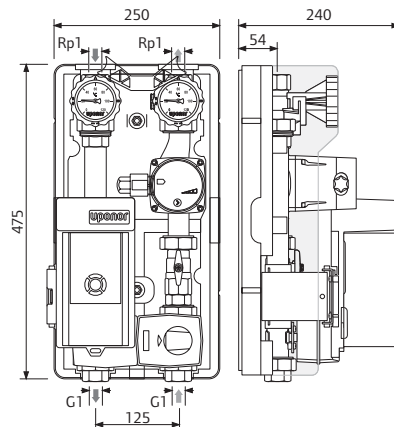
max. 90° primary,
max. 60° secondary,
max. 6 bar



Item no.	Description	unit 2	unit
1078307 	Uponor Fluvia Move PLUS pumpgroup MPG-10-B-W	30	1 pcs

 available from

Fluvia E



Uponor Fluvia E pumpgroup CPG-15-A

pre-mounted with supply temperature control C-46 ,
consisting of :
-Uponor C-46 control, weather-compensated and with interface to Uponor
zone temperature control C-56
-outdoor temperature sensor (for installation on buildingsite)
-water temperature sensor for supply temperature

-3-way-mixing valve, kvs 6,3
-motor drive
-pump (Grundfos alpha2L 25-60)
Q: 0,1-2,5 m³/h, H: 6-2,4 m EEI 0,17
proportional pressure control

primary connection Rp1 (FT)
secondary ballvalves, connection Rp1 (FT)
supplytemperature sensor
outdoor temperature sensor (install. on buildingsite)

upgrade to heating/cooling possible with humidity sensor
RH-56 No. 1047846 and Antenna 1000513.

max. 90° primary, max. 60° secondary,
max. 10 bar

Item no.	Description	unit
1048782	Uponor Fluvia E pumpgroup CPG-15-A	1 pcs



Uponor Fluvia Move PLUS pumpgroup CPG-15-A-W

pre-mounted with supply temperature controller Uponor Smatrix Move ,
consisting of :
-Uponor Smatrix Move controller
-outdoor temperature sensor (for installation on buildingsite)
-water temperature sensor for supply temperature

-3-way-mixing valve, kvs 6,3
-motor drive
-pump (Wilo Yonos Para 25/6 RKA)
Q: 0,1-2,5 m³/h, H: 6-2,4 m EEI 0,17
proportional pressure control

primary connection Rp1 (FT)
secondary ballvalves, connection Rp1 (FT)
supplytemperature sensor
outdoor temperature sensor (install. on buildingsite)

max. 90° primary,
max. 60° secondary,
max. 6 bar

Item no.	Description	unit 2	unit
1078308 06.2015	Uponor Fluvia Move PLUS pumpgroup CPG-15-A-W	12	1 pcs

 available from

Fluvia E

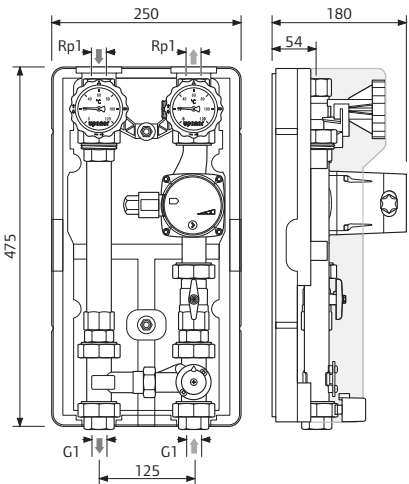
Uponor Fluvia E pumpgroup CPG-15-B

installation in boiler rooms ,
without actuator, without control ,
for connection to external boiler control or connection to Uponor climate
controller C-46 heating/cooling,
requires Motor 1002356 or 1002357

3-way-mixing valve, for motor drive 1002356 or 1002357
kvs 6,3
pump (Grundfos alpha2L 25-60)
Q: 0,1-2,5 m³/h, H: 6-2,4 m EEI 0,17
proportional pressure control

primary connection Rp1 (FT)
secondary ballvalves, connection Rp1 (FT)

max. 90° primary, max. 60° secondary,
max. 10 bar



Item no.	Description	unit	
1048783	Uponor Fluvia E pumpgroup CPG-15-B	1	pcs

Uponor Fluvia Move PLUS pumpgroup CPG-15-B-W


installation in boiler rooms ,
without actuator, without control ,
for connection to external boiler control or connection to Uponor Smatrix
Move controller,
requires Motor 1002357

3-way-mixing valve, for motor drive 1002357
kvs 6,3
pump (WILO Yonos Para 25/6)
Q: 0,1-2,5 m³/h, H: 6-2,4 m EEI 0,17
proportional pressure control

primary connection Rp1 (FT)
secondary ballvalves, connection Rp1 (FT)

max. 90° primary,
max. 60° secondary,
max. 6 bar



Item no.	Description	unit 2	unit	
1078309 	Uponor Fluvia Move PLUS pumpgroup CPG-15-B-W	12	1	pcs

 available from

Fluvia E



Uponor Move mixer motor 3 point 230V

For motorised control of Smatrix Move (Plus) Water Temperature Control, mounted on a mixing valve and used in combination with the Smatrix Move (Plus) Controller.
Externally powered.

- Actuator 230V
- 3 point control

Conformity: 230V

Item no.	OV V	Description	unit	
1002357	230	Uponor Move mixer motor 3 point 230V	1	pcs

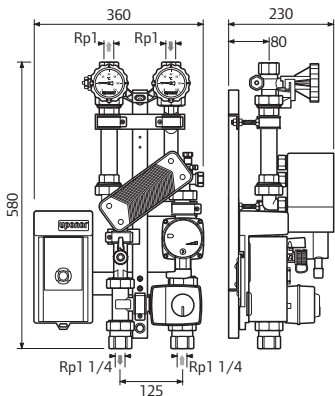


Uponor Fluvia E pumpgroup EPG-6-A

for separation and control of ground heat exchangers for free cooling, pre-mounted with supply temperature control C-46

consists of:

3-way-mixing valve kvs 7, motor drive
pump energy efficiency class A (Grundfos alpha2L 25-60)
Uponor supply temperature control C-46 with integrated interface to uponor room temperature control C-56,
heat exchanger, fixing material



primary connection Rp1 1/4 (FT)
secondary ballvalves with thermometers Rp1 (FT) and integrated check-valve
supplytemperature sensor
outdoor temperature sensor (install. on buildingsite)

needs control accessories:
Uponor humidity sensor H-56 (1047846) and Uponor thermostat T-75 (1046114) and Antenna for C-56 (1000513), or controller C-56 (1045565,1045562) with humidity sensor H-56 (1047846) and Uponor thermostat T-75 (1046114)

1-6 kW
max. 90° max. 10 bar

Item no.	Description	unit	
1058304	Uponor Fluvia E pumpgroup EPG-6-A	1	pcs

Combination with Uponor Horizontal Collector or Uponor Energy Cage necessary!

Fluvia E

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

for separation and control of ground heat exchangers for free cooling, pre-mounted with supply temperature controller Uponor Smatrix Move Plus

consists of:

3-way-mixing valve kvs 7, motor drive
pump energy efficiency class A (WILO Yonos Para 25/6)
Q: 0,1-2,5 m³/h, H: 6-2,4 m EEI 0,17
supply temperature controller Uponor Smatrix Move Plus
heat exchanger, fixing material

primary connection Rp1 1/4 (FT)
secondary ballvalves with thermometers Rp1 (FT) and integrated check-valve
supplytemperature sensor
outdoor temperature sensor (install. on buildingsite)

1-6 kW
max. 90°
max. 6 bar



Item no.	Description	unit
1078310 <small>06.2015</small>	Uponor Fluvia Move PLUS pumpgroup EPG-6-A-W	1 pcs

 **available from**

Fluvia T



Uponor Fluvia T pumpgroup Push-12 TH-X

pumpgroup for control of UFH in small zones,
room temperature control with thermostat 12-28°C,
remote sensor with capillary tube length 2m,
bracket for left- or right installation, air bleed screw,
secondary circuit temp. range 20-50°C
integrated Xylem pump
Phyd< 1W, 230V
balancing valve, valve kvs 0,7 m³/h
1-3 kW
max. 90° primary, max. 50° secondary, max. 10 bar
connection:
secondary loop 3/4" eurocone
primary valves with clampconnection for CU-Pipe 15mm
Pump for 230V pump power supply with external switch

Item no.

1067386 **NEW**

Description

unit 2

unit

Uponor Fluvia T pumpgroup
Push-12 TH-X

60

1

pcs



Uponor Fluvia T pumpgroup Push-12 AC-X

pumpgroup for control of UFH in small zones,
with actuator 230 V for wire connection to room thermostat,
bracket for left- or right installation, air bleed screw,
secondary circuit temp. range 20-50°C
integrated Xylem pump,
Phyd< 1W, 230V
balancing valve, valve kvs 0,9 m³/h
1-3 kW
max. 90° primary, max. 50° secondary, max. 10 bar
connection:
secondary loop 3/4" eurocone
primary valves with clampconnection for CU-Pipe 15mm
Pump needs 230V pump power supply with external switch.

Item no.

1067387 **NEW**

Description

unit 2

unit

Uponor Fluvia T pumpgroup
Push-12 AC-X50

60

1

pcs



Uponor Fluvia T pumpgroup Push-12 WL-X

pumpgroup for control of UFH in small zones,
with actuator 230 V, wireless thermostat and wireless receiver,
bracket for left- or right installation, air bleed screw,
secondary circuit temp. range 20-50°C
integrated Xylem pump,
Phyd< 1W, 230V
balancing valve, valve kvs 0,9 m³/h
1-3 kW
max. 90° primary, max. 50° secondary, max. 10 bar
connection:
secondary loop 3/4" eurocone
primary valves with clampconnection for CU-Pipe 15mm
Pump needs 230V pump power supply with external switch.

Item no.

1067390 **NEW**

Description

unit 2

unit

Uponor Fluvia T pumpgroup
Push-12 WL-X

60

1

pcs

Fluvia T

Uponor Fluvia T control KIT Push-12

KIT for wireless thermostat installation and Control adaptation for Uponor Fluvia T PUSH-12 pump-groups except version with Cartridge Heater.

Content:

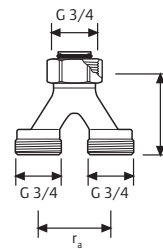
- wireless thermostat- room temperature range 5-37°C
- receiver- 1 relay for actuator connection
- 230V actuator with threaded connector M 28x1.5 mm FT.



Item no.	Description	unit
1071999 NEW	Uponor Fluvia T control KIT Push-12 WL-REC-AC	1 pcs

Uponor Fluvia Y compression adapter

For extension of PUSH-12 pumpgroups with 2 loops, secondary connection G3/4 eurocone, set with 2 branch connectors.



Item no.	l mm	c/c mm	Description	unit 2	unit
1005675	50	40	Uponor Fluvia Y compression adapter 2xG3/4-3/4" Euro	50	1 set

Uponor Vario fill and drain valve

For direct fill & drain of heating/cooling loops connected to Push-12 pumpgroups, for loops positioned above the pumpgroup, e.g. at wall-heating. With T-piece, 3/4" swivelnut. Turnable hose connector.



Item no.	AG "	IG "	Description	unit
1061802	3/4	3/4	Uponor Vario fill and drain valve 3/4" - 3/4"	1 set

Uponor Fluvia end cap w. bleeder

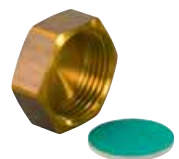
Made of brass. Can be used with WTR and Q&E 3/4" manifolds.



Item no.	IG "	p bar	Description	unit 2	unit
1008497	3/4	6+10	Uponor Fluvia end cap w. bleeder G3/4	200	10 pcs

Uponor Flex-X manifold end cap flat seal

Made of brass. With full seal, so not in contact with water. Can be used with WTR and Q&E 3/4" manifolds.



Item no.	IG "	p bar	Description	unit 2	unit
1001337	3/4	6+10	Uponor Flex-X manifold end cap flat seal 3/4" FT	10	10 pcs

Fluvia T



Uponor Fluvia T pumpgroup PUSH-23-B-W

Pumpgroup to connect to Uponor manifolds, installation with manifolds on-wall or in cabinets, with thermostat for constant supply water temperature control, Thermostat with capillary sensor 20-55°C
Pump WILO Yonos Para 15/6 RKA
Q: 0,1-2,5 m³/h, H: 6-2,4 m EEI 0,17
supply thermostat valve kvs 1,2 m³/h
return balancing valve kvs 2,7 m³/h

secondary connections:
G1 (MT) for connection to uponor UFHC manifolds,
prepacked couplings with swivel Nut G1-G1 for
connection to ballvalves

max. 90° primary,
max. 55° secondary,
max. 6 bar

Item no.	Description	unit 2	unit	
1078304 NEW	Uponor Fluvia T pumpgroup PUSH-23-B-W	50	1	pcs
1078305 NEW	Uponor Fluvia T pumpgroup w. elbow PUSH-23-C-W	50	1	pcs

Controls Supply



Uponor Supply Water Control C-46

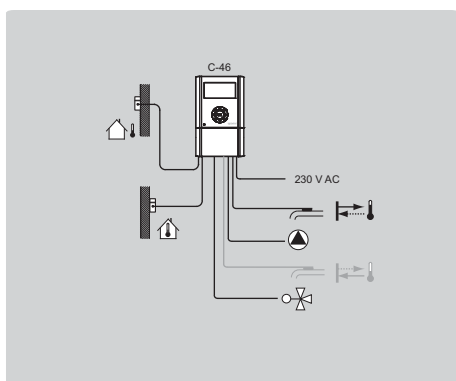
The Uponor Climate Controller C-46 is a supply water controller for heating, cooling and snow and ice melting systems, applicable to Uponor radiant heating and cooling systems. Its main function is to regulate supply water temperature by controlling a mixing valve actuator in a very intelligent way. Its value is multiplied in combination with the Uponor Control System DEM. The Climate Controller C-46 can be integrated in the C-56 room control via bus connection. The dialogue between those two Uponor devices increases the performance significantly, using thermostats, sensors

and timer functions commonly.

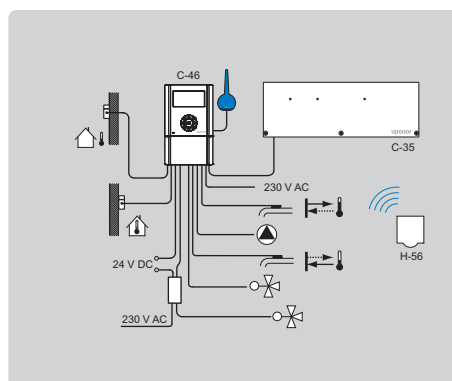
The C-46 can handle up to 6 humidity sensors H-56. The sensors should be placed in rooms where you expect the highest humidity and cooling is activated. This allows a good performance from the supply water temperature.

Example of applications

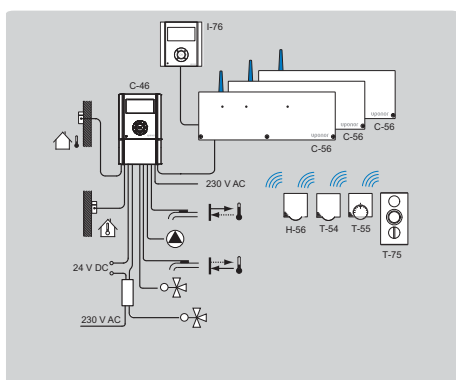
The Uponor Climate Controller C-46 works as stand-alone or in combination with the Uponor individual room climate control systems in different system concepts.



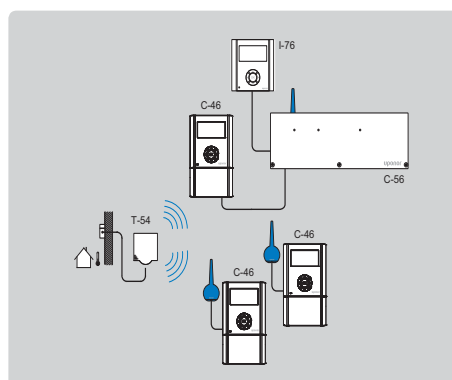
C-46 as stand-alone – with Uponor wired indoor/outdoor sensors as typical Supply Water Control combinable with all kinds of heatsources.



Weather compensating supply water control C-46 for Heating & Cooling in combination with the Uponor wired system C-35 using the H/C switchover.



Weather compensating supply water control C-46 in an integrated, intelligent cooperation with DEM C-56 (max.3) for efficient heating and cooling



Outdoor sensor flexibility:
Outdoor sensor via T-54 in combination with C-46. If several C-46 units are used, only one outdoor sensor T-54 combination is needed. This outdoor temperature information is also shared via C-56. The I-76 is showing then the outdoor temperature in first screen

Controls Supply



Uponor Radio 24V climate controller ext. C-46

Weather compensator for supply water control in heating and/or cooling mode. Can be connected to C-56 room control system.

Consisting of:

- Climate Controller C-46
- Antenna
- Wireless Humidity Sensor H-56
- Wired Outdoor sensor
- Wired Supply sensor

Options:

- Wired Indoor sensor
- Wired Return sensor
- Additional 5 RH-sensors

General functions

- Installation wizard gives easy and fast installation & set-up
- Quick menu system gives easy access to basic settings
- Integration with C-56 system via bus gives C-46 access to zone data from C-56.
- System information, H/C-state, ECO-mode etc are also shared on the bus.
- Automatic summer/wintertime change
- ECO/Comfort timer in C-46 if no I-76 is connected
- Clock backup 8 hours
- Alarm at disturbance
- Pumpmanagement with internal fuse
- Supports 24V Thermal Actuator or 0-10V controlled rotating mixer motor, or variable speed pump
- General purpose input for Heating+Cooling switch or Snow detection
- General purpose output for Heating+Cooling command or Dehumidification command or Error signalling
- Input indoor sensor
- Input outdoor sensor
- Input supply sensor
- Input return sensor

Humidity Sensor H-56:

- Wireless RH sensor with battery alarm
- incl. batteries and mounting material
- Connects to C-46 with antenna or via C-56

Accessories:

Outdoor sensor (5m cable), Supply sensor (4m cable), mounting material, 3m Antenna cable

Item no.	l mm	b mm	h mm	Description	unit
1047845	174	106	80	Uponor Radio 24V climate controller ext. C-46	1 set

Controls Supply

Uponor Radio 24V climate controller C-46

Weather compensator for supply water control in heating mode. Could be connected to C-56 room control system via bus connection. Cooling mode possible when adding an antenna and humidity sensor (separately sold).

Consisting of:

- Climate Controller C-46
- Wired Outdoor sensor
- Wired Supply sensor

Options:

- Antenna Module for connection to wireless Thermostats
- Wired Indoor sensor
- Wired Return sensor.

General functions:

- Installation wizard gives easy and fast installation & set-up
- Quick menu system gives easy access to basic settings
- Integration with C-56 system via bus gives C-46 access to zone data from C-56.
- System information, H/C-state, ECO-mode etc are also shared on the bus.
- Automatic summer/wintertime change
- ECO/Comfort timer in C-46 if no I-76 is connected
- Clock backup 8 hours
- Alarm at disturbance
- Pumpmanagement with internal fuse
- Supports 24V Thermal Actuator or 0-10V controlled rotating mixer motor, or variable speed pump
- General purpose input for Heating+Cooling switch or Snow detection
- General purpose output for Heating+Cooling command or Dehumidification command or Error signalling
- Input indoor sensor
- Input outdoor sensor
- Input Supply Sensor
- Input Return Sensor

Accessories

Outdoor sensor (5m cable), Supply sensor (4m cable), mounting material



Item no.	l mm	b mm	h mm	Description	unit
1047844	174	106	80	Uponor Radio 24V climate controller C-46	1 set

Uponor Radio 24V wall power supply

Power Supply with EURO plug

- for C-46
- for 0-10V controlled mixer motor (1002356)
- 230V/24V; 0,30A

Conformity: CE



Item no.	Description	unit
1048763	Uponor Radio 24V wall power supply 230V/24V 0,30A N/CE/S	1 pcs

Controls Supply



Uponor Actuator 24V mixer motor signal

For motorised control of the C-46 Water Temperature Control.
To be used in conjunction with either 1048762 or 1048763 or 1048764 24v transformer.

- Actuator 24V
- Signal 0-10

Conformity: CE

Item no.	OV V
1002356	24

Description	unit
Uponor Actuator 24V mixer motor signal 24V 0-10V	1 pcs



Uponor Radio 24V humidity sensor H-56

The wireless RH sensor H-56 gives feedback on the humidity indoors thus avoiding condensation when in cooling mode. Thanks to the wireless connection the sensor placement is completely flexible.

Consisting of:

- H-56 humidity sensor
- Batteries 2x AAA
- Mounting material

Functions:

- Gives feedback on humidity indoors
- Could be connected to C-46 by antenna or via C-56
- Room by Room humidity control in combination with C-56

Conformity: CE

Colour: RAL 9010

Item no.	l mm	b mm	h mm
1047846	72	72	21

Description	unit
Uponor Radio 24V humidity sensor H-56	1 pcs



Uponor Radio 24V supply/return sensor f. C-46

- For connection directly to C-46
- Sensor with 4m wire.

Note: Return sensor only needed for average temperature control

Item no.	L m
1047847	4

Description	unit
Uponor Radio 24V supply/return sensor f. C-46	1 pcs

Controls Supply

Uponor Radio 24V outdoor/indoor sensor C-46

Can be used as outdoor or indoor sensor for C-46 climate controller and C-56 DEM.

Consisting of:

- Sensor with housing
- Cable bushing and clamp
- Mounting material

Functions:

- For wiring connection directly to C-46 (additional connection wire needed)
- Radio connection wired to thermostat T-54
- If connected to C-56 DEM outdoor temperature will be displayed at the Interface I-76

Conformity: CE

Protection Class: 65

Temperature range: -40 to 80°C



Item no.	l mm	b mm	h mm	Description	unit
1047848	85	50	35	Uponor Radio 24V outdoor/indoor sensor C-46	1 pcs

Uponor UCS Accessory H/C relay

For automatic heating/cooling switchover on external signal.



Item no.	OV V	l mm	b mm	h mm	Description	unit
1000516	24	160	50	95	Uponor UCS Accessory H/C relay 24V	1 pcs
1000517	230	160	50	95	Uponor UCS Accessory H/C relay 230V	1 pcs

Uponor UCS Accessory installation cable

Twisted pairs cable to connect:

- Interface to Controller
- Controller to Controller
- Extension for Antenna cable



Item no.	L m	Description	unit 2	unit
1000515	15	Uponor UCS Accessory installation cable 15m	1	1 pcs

Controls Supply



Uponor UCS Accessory floor sensor

Floor sensor attached to a 4m cable for use with the T-33, T-36, T-37, T-38 and T-54 Thermostats to enable control over the maximum or minimum floor temperature.

Item no.	d mm	l mm	Sensor mm	Description	unit 2	unit	
1000538	5	4000	25	Uponor UCS Accessory floor sensor T-33 T-36 T-37 T-38 T-54	1	1	pcs



Uponor UCS Accessory wallframe

Wall frame to cover standard wall boxes or in case of renovation shades of old thermostats, size 90*90, plastic color RAL 9010

Item no.	l mm	b mm	h mm	Description	unit 2	unit	
1000539	90	90	8	Uponor UCS Accessory wallframe T-33 T-35 T-37 T-54 T-55 H-56	1	1	set

Q&E Supply = 20

Uponor Q&E tee



Item no.		d mm	d1 mm	d2 mm	Description	unit 2	unit	
1063932	NEW	20	14	20	Uponor Q&E tee 20-14-20	6	2	pcs

Uponor Q&E tee adapter S-Press



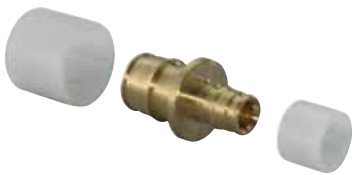
Item no.		d mm	d1 mm	d2 mm	Description	unit 2	unit	
1063938	NEW	20	9,9	20	Uponor Q&E tee adapter S-Press 20-Q&E9,9-Press20	6	2	pcs

Uponor Q&E adapter S-Press



Item no.		d mm	d1 mm	Description	unit 2	unit	
1063939	NEW	20	9,9	Uponor Q&E adapter S-Press 20-Q&E9,9	6	2	pcs

Uponor Q&E reducer



Item no.		d mm	d1 mm	Description	unit 2	unit	
1063933	NEW	20	14	Uponor Q&E reducer 20-14	6	2	pcs

Radio 24V



Uponor DEM: The wireless individual room climate control

The Uponor Radio 24V Room Control System with DEM has been developed to increase the indoor comfort and the energy efficiency of UFH/C systems. Apart from the colour of the controller (previously white, now grey), there are many more differences between the two versions. The advanced system comes with a range of features that make installation even easier.

Apart from the great energy efficiency during operation, fast installation and user-friendly operation that are standard features of all Uponor systems, the new individual room climate control makes heating and cooling even more comfortable.

The automatic balancing function does away with time-consuming manual hydraulic balancing. In most cases, there is no need for recalculation of the valve settings, which is normally required after a change of the room layout or the floor covering. The heat distribution in the room is evaluated by a bespoke software solution. The relevant values are stored and the system is automatically balanced at regular intervals. This guarantees optimum energy distribution!

The automatic balancing function does away with time-consuming manual hydraulic balancing. In most cases, there is no need for recalculation of the valve settings, which is normally required after a change of the room layout or the floor covering. The heat distribution in the room is evaluated by a bespoke software solution. The relevant values are stored and the system is automatically balanced at regular intervals. This guarantees optimum energy distribution!

The comfort control prevents that heating surfaces become too cool when the room is heated with an alternative method (e.g. open fireplace).

The supply diagnosis monitors the heat distribution in all rooms and signals any insufficient or excess supply to the I-76 interface.

The room bypass function is particularly suitable for systems with specific minimum flow requirements.

Incorrectly assigned thermostats are automatically detected by the room check function.

If in cooling mode the H-56 Humidity Sensor avoids condensation - room by room.

The H/C/Dehumidifier Relay can be used to connect an external Dehumidifier. That will increase the cooling performance.

Your benefits

Energy Saving:

- Energy savings up to 8% thanks to greater efficiency
- Use of individual eco settings
- Integrated pump management

Easy to install and operate:

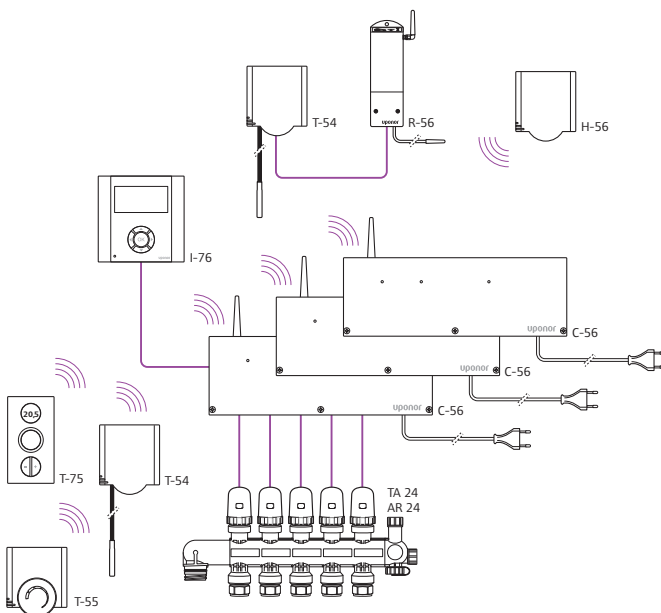
- No need for manual hydraulic balancing
- Installation Wizard makes installation & set-up fast and easy
- Reliable operation with minimum support

Higher comfort:

- Improved heat distribution
- Accurate and fast regulation with up to 25% shorter response times
- Optional SMS connection
- Highest quality and reliability of room temperature control
- Room by room condensation protection when in cooling mode

Efficient:

- Compatible with Uponor supply water control C-46 Climate Controller
- The Climate Controller C-46 can be integrated in up to three C-56 room control via bus connection (Master and Slave function)
- Increased cooling performance by adding a dehumidifier



Radio 24V



U@home: Control your UFH/C system if you are at home or away

The Uponor Radio 24V U@home Module M-76 is a device which brings much more value and comfort to the end user and installer.

Acting as an interface between the Uponor Radio 24V DEM Controller C-56 and an existing PC or mobile devices such as tablets or smart phones via the following connections:

- Internet connection, for remote access
- Local Network, if you are at home
- Local and Remote access via the Uponor App “U@home Control”

U@home allows the end user to control the comfort and energy efficiency in the entire home via smart phone, tablet or PC, without touching the system itself and without even being at home. Furthermore the installer can check ongoing events, monitor the energy efficiency level and maintain the UFH/C system performance from the comfort of their sofa at home or from their desk at work.

For iOS- and Android-based smart phones, Uponor has developed the U@home Control App which can simply be downloaded from iTunes or Google Play respectively. For all other smart phones with a web browser, you can control your system through the Uponor U@home website.

Uponor Radio 24V DEM in connection with the U@home concept gives a good feeling to the end user. The home owners do not need to turn back home only to check if they forgot to activate the Eco Mode during a planned longer absence. They can simply check the status with their mobile device. In addition to that, it gives security by sending an alert in case of any unexpected event or error. All activities can be initiated from a distance.

Your benefits

Increased comfort

- Use of existing mobile devices or a PC to control your UFH/C system
- Remote service and maintenance between installer and end user

Energy optimisation

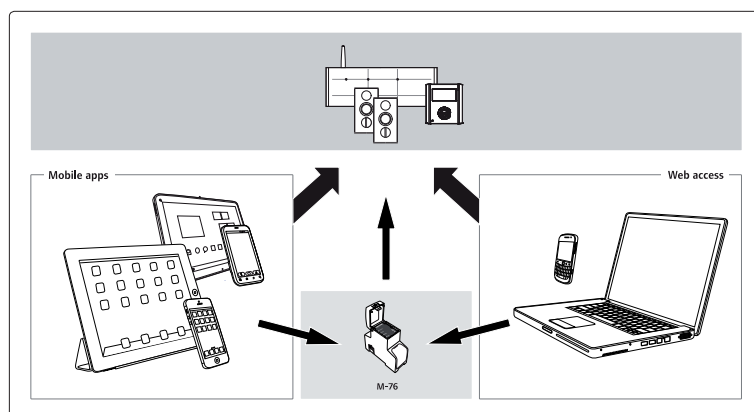
- Data logging for energy monitoring
- Up-to-date information about the energy efficiency level
- Remote configuration possible to improve energy performance

Easy to install

- Wiring to the router and controller with prefabricated connectors (RJ45, RJ9)
- Plug and play
- User-friendly visualisation during the configuration and operation

Safety

- Up-to-date information about the status of the UFH/C system
- Immediate alerts in case of unforeseen events



Radio 24V



Uponor DEM Heat Pump Module M-53

The new Uponor DEM Heat Pump Module M-53 is the perfect fit in between the DEM room control system and a Heat Pump. Once connected to the Heat pump controller and the DEM system it

will enhance the efficiency of the whole system. A flexible and dynamic (instead of a static) heat curve compensated by indoor and outdoor temperature in combination with an intelligent algorithm programmed and adjustable in the I-76 is what the homeowner could expect. Additionally, the installer can expect to simply set the integration mode and leave, without having to worry about returning to the site to adjust the Heat curve setting on the Heat pump. The supply water temperature will be heated only on the currently requested demand

–thanks to the “Dynamic Heat Curve Adjustment”.

A comfort increase, less energy consumption and a much more efficient working Heat source is the result.

Your benefits

Energy saving:

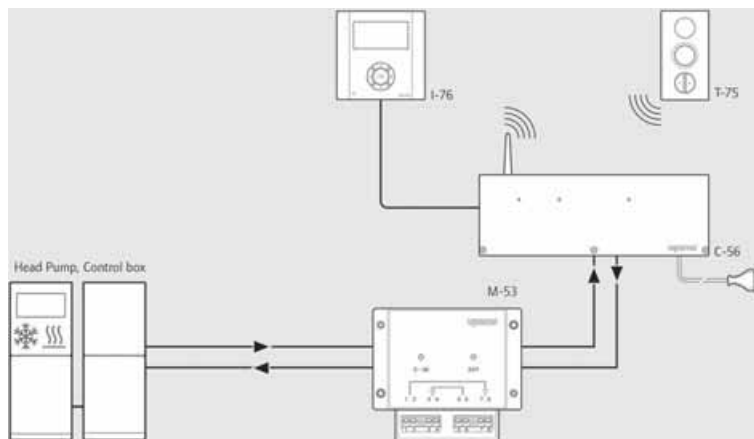
- Dynamic Heat Curve Adjustment means the heat curve is dynamic instead of static
- Indoor and outdoor compensated heat source control
- Using temperature information from all zones in the home, not just from one reference zone as with a standard Heat pump installation.

Easy to install:

- Only a 4 wire cable needs to be connected
- All settings could be done in I-76
- Just activating „integration” in I-76 (one button press)

High presence in the field:

- Uponor and our Heat Pump partners with high presence in the field - both could answer all questions in their business



Radio 24V

Uponor Radio 24V controller+interface C-56+I-76

For receiving and transforming of radio signals from the thermostats, with integrated DEM functions

Consisting of:

- Controller C-56
- Interface I-76
- Antenna
- Connection cables
- Mounting material

Functions:

Controller C-56 provides

- Electronic control
- Reception of max. 12 room-thermostats
- Connection of max. 14 actuators 24 Volt
- Heating/Cooling function switched by external contact
- Pump relay
- Valve exercise, pump exercise

Interface I-76 provides

- Display, back lighted, new look, blue full dot matrix
- Menu in different selectable languages

Integrated functions as system:

- Installation wizard
- Five temperature setback programs
- Max/min temperature limitations
- Holiday temperature
- Automatic summer/wintertime change
- Autobalancing function
- Room check function
- Room bypass function
- System diagnostic
- The Interface can control up to 3 controllers

Mark of conformity: CE

Operational voltage: 230 V / 50 Hz

Max. power input per actuator: 0,2 A

Protection class: IP 30 (EN 60 529)

Colour: grey (RAL 7015)



Item no.	P W	EP/a W	OV V	colour -	Description	unit
1045562	1	>2	230	grey	Uponor Radio 24V controller+interface C-56+I-76 CE/EEI	1 set

Radio 24V



Uponor Radio 24V controller C-56

For receiving and transforming of radio signals from the thermostats, to use the DEM function with the I-76.

Consisting of:

- Controller C-56
- Antenna
- Cables for connections
- Mounting Material

Functions:

- Electronic control
- Reception of max. 12 room-thermostats
- Connection of max. 14 actuators 24 Volt
- Heating/Cooling function switched by external contact
- Pump relay
- Valve exercise, pump exercise

Conformity: CE

Protection Class: IP 30

Colour: grey (RAL 7015)

I - 316 mm h - 110 mm d - 60 mm

Item no.	P W	EP/a W	OV V	colour -
1045565	1	>2	230	grey

Description	unit
Uponor Radio 24V controller C-56 CE/S	1 pcs



Uponor Radio 24V user interface I-76

The Interface (I-76) is designed to offer Night Set Back (NSB) of the internal room temperatures when used in conjunction with the Controller Radio (C-56). The modernly styled Interface has user friendly directional navigation buttons situated below a back lit dot matrix screen which combines text and icons for simplified programming.

Consisting of:

- Interface I-76
- Mounting material

Functions:

Interface I-76 provides

- Display, back lighted, new look, blue full dot matrix
- Menu in different selectable languages

Integrated function

- Five temperature setback programs,
- Max/min temperature limitations,
- Holiday modus
- Automatic summer/wintertime change
- Autobalancing function
- Room check function
- Room bypass function
- Supply diagnostic
- For controlling of up to 3 controllers

Conformity: CE

Protection class: IP 30 (EN 60 529)

Colour: grey (RAL 7015)

Item no.	l mm	b mm	h mm
1045568	110	110	30

Description	unit 2	unit
Uponor Radio 24V user interface I-76 CE/S/W	1	1 pcs

Radio 24V

Uponor Radio 24V disp. thermostat T-75

The display thermostat T-75 display radio is designed as a wireless single room temperature sensor. It measures and displays the perceived room temperature and transmitting the values to the wireless base unit or wireless control module.

Consisting of:

- T-75 thermostat with LCD display
- incl. Control electronics
- 2 x AAA batteries

Options:

- thermostat mounting kit for use as table holder or on wall installation (separately sold 1000503 white, 1000505 silver, 1046115 grey)

Functions:

- Display shows perceived room temperature
- highest control quality for your comfort
- Easy to use +/- buttons to adjusted the desired room temperature
- In addition the plus minus button can be used to, change C° to F and for registration to base unit
- Set point range 5-30°C, adjustable in I-76 interface
- available in different colours

Conformity: CE

Signal range: max. 30 m

Signal frequency: 868 MHz

Transmission power: 1mW

Colour: white ~ RAL9010, silver ~ RAL9006, grey ~ RAL7015



Item no.	l mm	b mm	h mm	colour -	Description	unit
1000502	124	66	16	white	Uponor Radio 24V disp. thermostat T-75 white	1 pcs
1000504	124	66	16	silver	Uponor Radio 24V disp. thermostat T-75 silver	1 pcs
1046114	124	66	16	grey	Uponor Radio 24V disp. thermostat T-75 grey	1 pcs

Uponor Radio 24V mounting kit T-75

Accessory for T-75 display thermostat. Usable as table stand or wallplate with adhesive sticker for sticking to smooth surfaces.

Consisting of:

- Mounting plate with clip
- Bracket
- Adhesive stickers for fixture to smooth surfaces (tiles, etc..)

Functions:

- flexible thermostat placement
- Table stand
- Wallplate incl. adhesive sticker (no borhole needed)
- Removal/child safety device
- Available in different colours (1000503 white, 1000505 silver, 1046115 grey)



Item no.	colour -	Description	unit
1000503	white	Uponor Radio 24V mounting kit T-75 white	1 pcs
1000505	silver	Uponor Radio 24V mounting kit T-75 silver	1 pcs
1046115	grey	Uponor Radio 24V mounting kit T-75 grey	1 pcs

Radio 24V



Uponor Radio 24V standard thermostat T-55

The Thermostat T-55 is an easy-to-use radio thermostat that incorporates conventional thumb wheel control to adjust the room temperature set point.

Consisting of:

- T-55 room thermostat
- 2 X AAA batteries
- Mounting material

Functions:

- Set point range 6-30 °C
- Operating distance max. 30 m

Conformity: CE

Colour: RAL 9010

Item no.	l mm	b mm	h mm
1000527	72	72	21

Description	unit 2	unit	
Uponor Radio 24V standard thermostat T-55	1	1	pcs



Uponor Radio 24V public thermostat T-54

Radio thermostat with inside setting to adjust the room temperature set point.

Consisting of:

- T-54 Thermostat public
- 2 X AAA batteries
- Mounting Material

Options:

- Floor sensor for min/max limitation of the floor temperature
 - or
 - SMS module R-56
 - or
 - Outdoor or indoor sensor
- can be connected to a DEM System by using T-54.

Functions:

- Setpoint range 6-30°C, range print on circuit board
- Internal setting for the Floor Sensor, range print on circuit board
- Operating distance max. 30 m

Conformity: CE

Colour: RAL9010

Item no.	l mm	b mm	h mm
1045572	72	72	21

Description	unit 2	unit	
Uponor Radio 24V public thermostat T-54	1	1	pcs

Radio 24V

Uponor Radio 24V humidity sensor H-56

The wireless RH sensor H-56 gives feedback on the humidity indoors thus avoiding condensation when in cooling mode. Thanks to the wireless connection the sensor placement is completely flexible.

Consisting of:

- H-56 humidity sensor
- Batteries 2x AAA
- Mounting material

Functions:

- Gives feedback on humidity indoors
- Could be connected to C-46 by antenna or via C-56
- Room by Room humidity control in combination with C-56

Conformity: CE

Colour: RAL 9010



Item no.	l mm	b mm	h mm	Description	unit
1047846	72	72	21	Uponor Radio 24V humidity sensor H-56	1 pcs

Uponor Smatrix remote access module R-56 SMS CE/N/S

Allows remote access to switch between Eco or Comfort settings. It can be combined with selected thermostats from Smatrix Wave (Plus) and Smatrix Base. Very useful for holiday homes.

Consisting of:

- Remote Access Module R-56
- Sensor, usable as room or floor sensor
- 1 dry contact for remote control
- 2 contacts for an external system
- 1 contact for external sensor

Functions:

- Remote access to switch between ECO and Comfort mode
- Sends updates about Indoor and outdoor temperature
- Sends alert in case of abnormal behavior in a reference room

Conformity: CE

Protection Class: IP 30



Item no.	l mm	b mm	h mm	Description	unit 2	unit
1045570	185	75	28	Uponor Smatrix remote access module R-56 SMS CE/N/S 230V	13	1 set

Uponor Radio 24V KNX media coupler R-76

for connecting the C-56 radio room control system to a standard KNX bus. This device will act as a interface between the C-56 Radio and the KNX wired bus.

Conformity: CE

Protection Class: IP 30



Item no.	l mm	b mm	h mm	Description	unit
1045571	203	75	26.5	Uponor Radio 24V KNX media coupler R-76 KNX	1 pcs

Radio 24V



Item no.	d mm	AG mm	P W	OV V	h mm
1000138	40	30x1.5	~2	24	54

Uponor Vario PLUS actuator Pro

24 V, with open/closed indicator, suitable for use with Uponor Vario Plus Manifolds in connection with Uponor radio or wired control system. Closes when idle. With all-round shower protection (IP 54). Suitable for operation at ambient temperature of up to 60°C.

Threaded connector M 30 x 1.5 mm MT.

Height: 54 mm.

Conformity: CE

Description	unit 2	unit	
Uponor Vario PLUS actuator Pro NC MT 30x1,5 24V	10	1	pcs



Item no.	d mm	IG mm	P W	OV V	h mm
1013008	40	30x1.5	~2	24	56

Uponor Vario S actuator ST

24 V, with open/closed indicator, suitable for use with Uponor Vario S (stainless steel) Manifolds in connection with Uponor control system. Closes when idle. With all-round shower protection (IP 54). Suitable for operation at ambient temperature of up to 60°C.

Threaded connector M 30 x 1.5 mm FT.

Height: 56 mm

Conformity: CE

Description	unit 2	unit	
Uponor Vario S actuator ST 24V NC FT M30x1,5	10	1	pcs



Uponor Radio 24V H/C dehumidifier relay

Can be used for automatic heating cooling switch over or for an external dehumidifier activation and when in cooling mode.

Consisting of:

- Relay
- Relay Socket with Terminal screws and DIN Rail slot
- Mounting screw

Functions:

- Wiring connection directly to C-56 DEM (additional connection wire needed)

- H/C switch over

or

- External dehumidifier activation
- switch over via 2CO contacts

Conformity: CE

Ucoil: 24V, DC

Rcoil: 1113 Ω

Pcoil: 530 mW

Test voltage: 5kV

Protection Class: IP 40

Temperature range: -40..+70°C

Item no.	OV V	l mm	d mm	b mm
1063383	24	85.5	70.5	16

Description	unit	
Uponor Radio 24V H/C dehumidifier relay 24V	1	pcs

Radio 24V

Uponor UCS Accessory H/C relay

For automatic heating/cooling switchover on external signal.



Item no.	OV V	l mm	b mm	h mm	Description	unit	
1000516	24	160	50	95	Uponor UCS Accessory H/C relay 24V	1	pcs
1000517	230	160	50	95	Uponor UCS Accessory H/C relay 230V	1	pcs

Uponor UCS Accessory installation cable

Twisted pairs cable to connect:

- Interface to Controller
- Controller to Controller
- Extension for Antenna cable



Item no.	L m	Description	unit 2	unit	
1000515	15	Uponor UCS Accessory installation cable 15m	1	1	pcs

Uponor UCS Accessory floor sensor

Floor sensor attached to a 4m cable for use with the T-33, T-36, T-37, T-38 and T-54 Thermostats to enable control over the maximum or minimum floor temperature.



Item no.	d mm	l mm	Sensor mm	Description	unit 2	unit	
1000538	5	4000	25	Uponor UCS Accessory floor sensor T-33 T-36 T-37 T-38 T-54	1	1	pcs

Uponor UCS Accessory wallframe

Wall frame to cover standard wall boxes or in case of renovation shades of old thermostats, size 90*90, plastic color RAL 9010



Item no.	l mm	b mm	h mm	Description	unit 2	unit	
1000539	90	90	8	Uponor UCS Accessory wallframe T-33 T-35 T-37 T-54 T-55 H-56	1	1	set

Radio 24V



Uponor Radio 24V repeater

To enhance the radio transmission between the radio thermostat and the radio controller C-56 or climate controller C-46 in buildings with potential of electro-magnetic disturbances.

- Consiting:
- Uponor Repeater
 - 2 x 0,75 cable with plug
 - Mounting material

Conformity: CE

Item no.	P W	OV V	l mm	b mm	h mm	Description	unit 2	unit	
1000518	< 1	230	160	75	26	Uponor Radio 24V repeater 230V	15	1	set

Wired 24V



Uponor 24 V individual room climate control

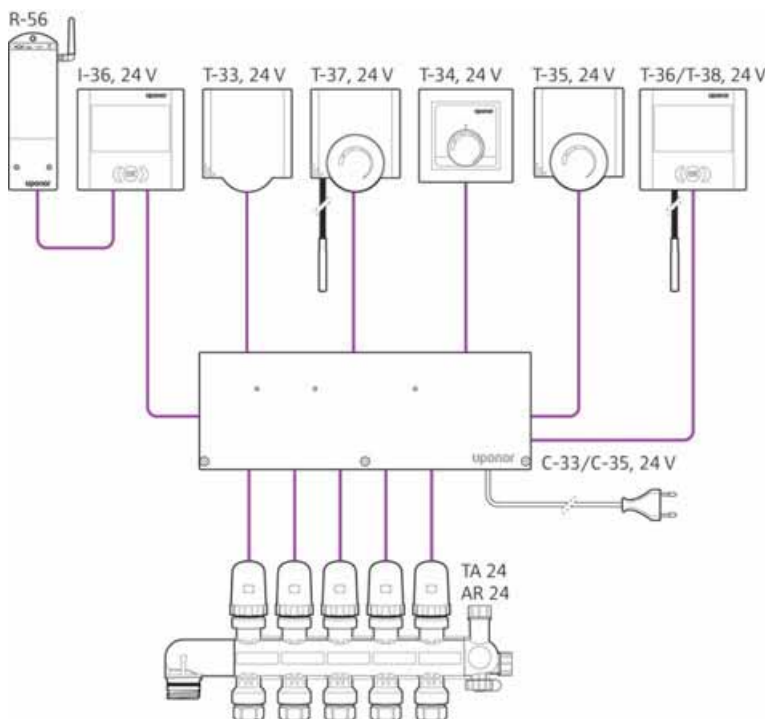
Varied and modular

The Uponor Wired 24V room control system consists of electronic components that have been specially devised for combination

with each other (6 thermostat models, 2 controllers and optional timer). As soon as a thermostat detects that heating or cooling in a room must be adjusted, the controller operates the 24 V thermo drives accordingly. The 6 thermostat models available for this system can be freely combined with each other and are connected to the controllers through non-polarity 2-core cables (6-12 V) that cannot be confused.

Usable for every object size

Depending on the size of the heating system and the specific requirements, you can install a 6-channel (C-33) or 12-channel (C-35) controller. The 12-channel C-35 controller can be connected to an I-36 Uponor timer. The 12-channel C-35 controller includes all above functions and also provides the option to switch between heating and cooling by means of an external signal. With combined radiant heating/cooling systems, the room temperature can thus be controlled in a most userfriendly manner through thermostats.



Your benefits

Cost saving and easy installation:

- Low cost and safe thermostat wiring (6-12V)
- Auto balancing function

Energy saving:

- Room temperature lowering with timer and two timer zones
- Auto balancing function

High comfort level:

- Highest quality of room control
- Floor temperature control by optional floor sensor
- Remote control by SMS via R-56 SMS coupler

Important:

All devices of UCS Wired 24V system are aligned to each other. Thermostat models T-33, T-34, T-35, T-36, T-37, T-38 (6-12V) could be combined with C-33 and C-35 controller to build a system. The Digital Timer I-36 could be combined with C-35 only but in combination with all thermostat variants of the UCS Wired 24V system. The UCS Wired 24V system is a stand alone/closed room control system which will not work in combination with other products as such 3rd party products.

Wired 24V



Uponor Wired 24V 12 channel controller C-35

For the power supply of max. 12 room sensors (models T-33, T-34,T-35, T-36, T-37, T-38) and max. 14 Uponor actuators, 24 V. Eco settings are possible by connecting the timer I-36 for the whole installation or by connecting T-38 room by room.

- Consisting of:
- Controller, 12 channels C-35 wired
 - Mounting material
 - Control electronics with microprocessor
 - In-build 230-24V transformer

- Functions:
- Pump logics
 - Valve interval
 - Overload protection

- Options:
- Floating heating/cooling switching by external signal
 - Connection port for Uponor I-36 timer
 - Connection port for Uponor dew point converter

Conformity: CE
Colour: pure white (near RAL 9010)
Protection class: IP 30 (EN 60529)
Max. power consumption per TA 24: 0.2 A (switching peak)
Effective power per TA 24: <2 W

Item no.	OV V	l mm	b mm	h mm
1000533	24	315	110	58

Description	unit 2	unit
Uponor Wired 24V 12 channel controller C-35 CE/S	1	1 set



Uponor Wired 24V 6 channel controller C-33

For the power supply of max. 6 room sensors (models T-33, T-34, T-35, T-36, T-38 6-12V) and max. 8 Uponor actuators, 24V.

- Consisting of:
- Controller, 6 channels C-33 wired
 - Mounting material
 - Control electronics with microprocessor
 - In-build 230-24V transformer

- Functions:
- Pump logics
 - Valve interval
 - Overload protection

Conformity: CE
Protection class: IP 30 (EN 60529)
Max. pow. consumption per TA 24V: 0.2 A (switching peak)
Effective power per TA 24V: < 2 W

Item no.	OV V	l mm	b mm	h mm
1000531	24	315	110	58

Description	unit 2	unit
Uponor Wired 24V 6 channel controller C-33 CE/S	1	1 set

Wired 24V

Uponor Wired 24V dig. timer I-36 - C-35

The I-36 programmable timer offers two timed setback programs . The unit has a large LCD screen with a simplified visual display of Comfort or Eco setting. It also has a facility for external forced ECO mode available via the remote R-56 SMS module.

Consisting of:

- Programmable digital timer I-36
- Mounting material

Options:

- Dry contact input for forced ECO mode.
Example: Signal from Uponor R-56 SMS module for remote control

General functions

- 2 zones programming comfort / ECO
- Display of zone status and time
- Pre-recorded modifiable programs for working days / week-end / week
- Date and time, with summer/winter change, power failure proof
- Lock mode, standby OFF mode
- Hidden reset
- Temporary or permanent override mode
- Powered by base unit (no batteries needed)
- 3 button keyboard (+/-/OK)

Conformity: CE

Colour: ~RAL 9010



Item no.	l mm	b mm	h mm	Description	unit 2	unit	
1048013	85	83	25	Uponor Wired 24V dig. timer I-36 - C-35	1	1	pcs

Wired 24V



Uponor Wired 24V dig. prog. thermostat T-38

Wired programmable digital thermostat T-38 with 5/2, 6/1 & 7 day groups for programming between ECO and COMF setting. Includes Uponor’s world first “Auto-balance” patented technology (up to 8% energy saving!)

- Consisting of:
- Programmable digital thermostat T-38
 - Mounting material

- Options:
- Floor sensor (1000538, seperatly sold)

- Functions:
- Room or remote temperature display
 - Room temperature, Room and max/min floor temp (heating/cooling), remote sensor regulation selectable.
 - Automatic or Manual balancing
 - Comfort / ECO mode (5/2, 6/1 & 7day groups)
 - Lock indication.
 - Standby/OFF mode
 - 4 pre-recorded modifiable programs for working days / week-end /week
 - Date and time, with summer/winter change, power failure proof
 - Hidden reset
 - Temporary or permanent override mode
 - Modes displayed on LCD: Heating, Cooling, Lock, Standby, Holiday, Comfort/ECO
 - Displayed temperature calibration
 - Powered by base unit (no batteries needed)
 - 3 button keyboard (+/-/OK)

Conformity: CE
Colour: ~ RAL 9010

Item no.	l mm	b mm	h mm	Description	unit 2	unit	
1048012	85	83	25	Uponor Wired 24V dig. prog. thermostat T-38	1	1	pcs

Wired 24V

Uponor Wired 24V dig. thermostat T-36

Wired digital thermostat T-36 with large LCD screen and simple menu navigation. Also Includes Uponor's world first "Auto-balance" patented technology (up to 8% energy saving!)

Consisting of:

- Digital thermostat T-36
- Mounting material

Options:

- Floor sensor (1000538, seperatly sold)

Functions:

- Room or remote temperature display
- Room temperature, Room and max/min floor temp (heating/cooling), remote sensor regulation selectable.
- Automatic or Manual balancing
- Lock indication.
- Standby/OFF mode
- Hidden reset
- Modes displayed on LCD: Heating, Cooling, Lock, Standby, Holiday
- Displayed temperature calibration
- Powered by base unit (no batteries needed)
- 3 button keyboard (+/-/OK)

Conformity: CE

Colour: ~ RAL 9010



Item no.	l mm	b mm	h mm	Description	unit 2	unit	
1048011	85	83	25	Uponor Wired 24V dig. thermostat T-36	1	1	pcs

Uponor Wired 24V sensor thermostat T-37

The thermostat T-37 is an easy-to-use wired thermostat that incorporates conventional thumb wheel control to adjust the room temperature set point.

For connection to Uponor controller C-33 or C-35.

Consisting of:

- T-37 Thermostat with dial for settings
- Additional in-side port for floor sensor connection
- LED for indication
- Mounting material

Options:

- Floor sensor (1000538, seperatly sold)
- Wall frame (1000539, seperatly sold)

Functions

- Setpoint range 6-30°C, mark at 21°C
- Setting range can be limited mechanically by moving pins under the dial
- Internal setting for the Floor Sensor (min./max. limitation)
- Powerd by base unit (6-12V)

Conformity: CE

Colour:~ RAL 9010

Wiring: 2 x min. 0,5 mm²

Max. cable length: 50 m



Item no.	l mm	b mm	h mm	Description	unit 2	unit	
1000536	72	72	21	Uponor Wired 24V sensor thermostat T-37	1	1	set

Wired 24V



Uponor Wired 24V standard thermostat T-35

The thermostat T-35 is an easy-to-use wired thermostat that incorporates conventional thumb wheel control to adjust the room temperature set point.

For connection to Uponor controller C-33 or C-35.

Consisting of:

- T-35 Thermostat with dial for settings
- LED for indication
- Mounting material

Options:

- Wall frame (1000539, separately sold)

Functions

- Setpoint range 6-30°C, mark at 21°C
- Setting range can be limited mechanically by moving pins under the dial
- Powerd by base unit (6-12V)

Conformity: CE

Colour:~ RAL 9010

Wiring: 2 x min. 0,5 mm²

Max. cable length: 50 m

Item no.	l mm	b mm	h mm
1000535	72	72	21

Description	unit 2	unit
Uponor Wired 24V standard thermostat T-35	1	1 set



Uponor Wired 24V flush thermostat T-34

The flush thermostat T-34 with scale and a low profile is an easy-to-use wired thermostat that incorporates conventional thumb wheel (with print on dial) control to adjust the room temperature set point.

For connection to Uponor controller C-33 or C-35.

Consisting of:

- T-34 flush mounted thermostat with printed scale on dial for settings
- LED for indication
- Outer frame 81X81
- Inside frame 50x50
- Mounting material

Functions

- Setpoint range 6-30°C, mark at 21°C
- Setting range can be limited mechanically by moving pins under the dial
- Powerd by base unit (6-12V)

Conformity: CE

Colour:~ RAL 9010

Wiring: 2 x min. 0,5 mm²

Max. cable length: 50 m

Item no.	l mm	b mm	h mm
1048010	81	81	14.7

Description	unit 2	unit
Uponor Wired 24V flush thermostat T-34	1	1 pcs

Wired 24V

Uponor Wired 24V public thermostat T-33

The T-33 thermostat can be used in public areas. The dials are hidden by a cover which needs to be removed before adjustments can be made. It also allows control over the min. or max. floor temperature when used with a Floor Sensor.

For connection to Uponor controller C-33 or C-35.

Consisting of:

- T-33 public thermostat, setpoint range 6-30°C range print on circuit board
- Additional in-side port for floor sensor connection
- LED for indication
- Mounting material

Options:

- Floor sensor (1000538, seperatly sold)
- Wall frame (1000539, seperatly sold)

Functions

- Setpoint range 6-30°C
- Internal setting for the Floor Sensor (min./max. limitation)
- Powerd by base unit (6-12V)

Conformity: CE

Colour:~ RAL 9010

Wiring: 2 x min. 0,5 mm²

Max. cable length: 50 m



Item no.	l mm	b mm	h mm	Description	unit 2	unit	
1000537	72	72	21	Uponor Wired 24V public thermostat T-33	1	1	set

Uponor Vario PLUS actuator Pro

24 V, with open/closed indicator, suitable for use with Uponor Vario Plus Manifolds in connection with Uponor radio or wired control system. Closes when idle. With all-round shower protection (IP 54). Suitable for operation at ambient temperature of up to 60°C.

Threaded connector M 30 x 1.5 mm MT.

Height: 54 mm.

Conformity: CE



Item no.	d mm	AG mm	P W	OV V	h mm	Description	unit 2	unit	
1000138	40	30x1.5	~2	24	54	Uponor Vario PLUS actuator Pro NC MT 30x1,5 24V	10	1	pcs

Uponor Vario S actuator ST

24 V, with open/closed indicator, suitable for use with Uponor Vario S (stainless steel) Manifolds in connection with Uponor control system.

Closes when idle. With all-round shower protection (IP 54). Suitable for operation at ambient temperature of up to 60°C.

Threaded connector M 30 x 1.5 mm FT.

Height: 56 mm

Conformity: CE



Item no.	d mm	IG mm	P W	OV V	h mm	Description	unit 2	unit	
1013008	40	30x1.5	~2	24	56	Uponor Vario S actuator ST 24V NC FT M30x1,5	10	1	pcs

Wired 24V



Uponor UCS Accessory H/C relay

For automatic heating/cooling switchover on external signal.

Item no.	OV V	l mm	b mm	h mm	Description	unit	
1000516	24	160	50	95	Uponor UCS Accessory H/C relay 24V	1	pcs
1000517	230	160	50	95	Uponor UCS Accessory H/C relay 230V	1	pcs



Uponor UCS Accessory installation cable

Twisted pairs cable to connect:

- Interface to Controller
- Controller to Controller
- Extension for Antenna cable

Item no.	L m	Description	unit 2	unit	
1000515	15	Uponor UCS Accessory installation cable 15m	1	1	pcs



Uponor UCS Accessory floor sensor

Floor sensor attached to a 4m cable for use with the T-33, T-36, T-37, T-38 and T-54 Thermostats to enable control over the maximum or minimum floor temperature.

Item no.	d mm	l mm	Sensor mm	Description	unit 2	unit	
1000538	5	4000	25	Uponor UCS Accessory floor sensor T-33 T-36 T-37 T-38 T-54	1	1	pcs



Uponor UCS Accessory wallframe

Wall frame to cover standard wall boxes or in case of renovation shades of old thermostats, size 90*90, plastic color RAL 9010

Item no.	l mm	b mm	h mm	Description	unit 2	unit	
1000539	90	90	8	Uponor UCS Accessory wallframe T-33 T-35 T-37 T-54 T-55 H-56	1	1	set

Base



Uponor 230 V individual room climate control

Real comfort with minimal effort.

Only some components are necessary for the Uponor 230 V individual room climate control:

room thermostat T-23, T-24 Flush, T-25 H/C, and T-26 Programmable Digital, Controller X-23, Pump Relay, and a Remot Sensor.

For easy connection of max. 6 230 V Room thermostats and max. 14 230 V actuators. The optional pump module has an integrated pump logic with pump protection for a safe and energy optimized pump operation.

In addition there are components as such a junction box, a wiring center, a digital dial thermostat, a timer and a timer thermostat available.

Your benefits

Well arranged portfolio:

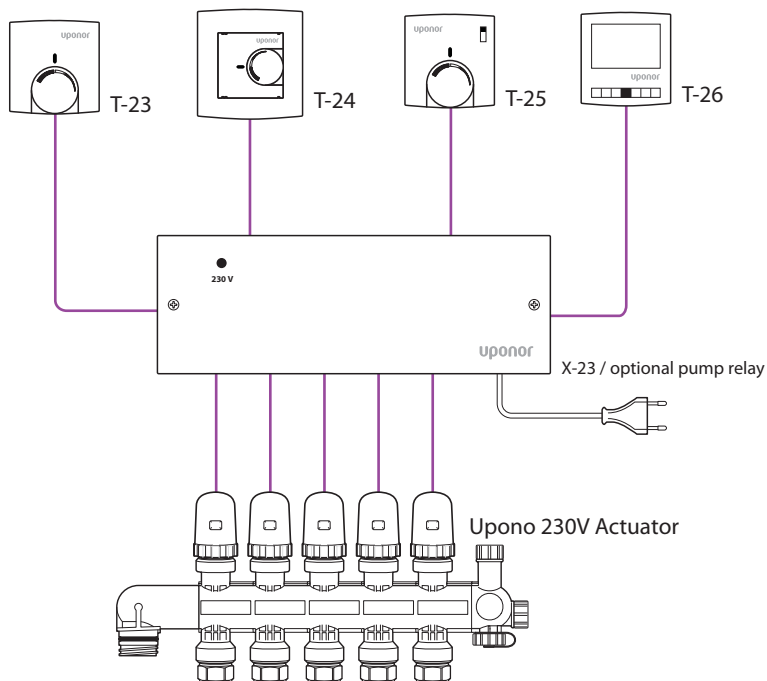
- selected components for standard heating and cooling applications

Energy saving:

- Optional pump module with pump logic and pump protection
- Individual Eco Mode room by room

Safeness and reliability:

- Connection box with overload protection for easy installation of max. 6 room thermostat
- Use of established technology



Base



Uponor Base controller X-23

For the power supply of max. 6 room sensors 230V and max. 14 Uponor actuators, 230V. The Controller X-23 is designed for wiring of 230V thermostats and actuators to control an underfloor heating installation.

- Consisting of:
- X-23 Controller
 - Mounting material

- Options:
- Uponor Pump Relay for X-23 (sold separatly 1058427)

- Functions:
- X-23 Controller for max. 6 thermostats and max 14 actuators
 - Overload protection
 - Power diode

Conformity: CE
Protection class: IP 40
Power: 10 VA

Item no.	OV V	l mm	b mm	h mm
1058426	230	310	90	65

Description	unit 2	unit	
Uponor Base controller X-23 6X 230V	15	1	pcs



Uponor Base pump relay X-23

For a safe and energie optimized pump operation when connected to controller X-23 . The pump runs whenever an actuator has opened a valve. When the valves are closed, the pump will keep running for 2 minutes.

- Consisting of:
- Pump Relay for Controller X-23
 - Mounting material

- Functions:
- Pump logics
 - Pump exercise (daily 5 minutes) to prevent jamming during summer time
 - Overload protection

Conformity: CE
Protection class: IP 40
Power: 3 VA

Item no.	l mm	b mm
1058427	310	90

Description	unit	
Uponor Base pump relay X-23 230V	1	pcs

Base

Uponor Base thermostat standard T-23

The thermostat T-23 with scale is an easy-to-use standard 230V wired thermostat that incorporates conventional wheel (with print on dial) control to adjust the room temperature set point.
For connection to Uponor controller X-23.

Consisting of:

- T-23 Thermostat with printed scale on dial for settings

Functions

- Simple on/off control (bimetall)
- Setpoint range 5-30°C
- Setting range can be limited mechanically by moving pins under the dial
- Powerd by base unit (230V)

Conformity: CE

Protection class: IP 30

Colour:~ RAL 9010

Wiring: 4 x 1,5 mm²

Max. cable length: 100 m



Item no.	l mm	b mm	h mm	Description	unit 2	unit	
1058422	78	78.5	13.9	Uponor Base thermostat standard T-23 230V	50	1	pcs

Uponor Base thermostat flush T-24

The thermostat flush T-24 with scale is an easy-to-use standard 230V wired thermostat that incorporates conventional wheel (with print on dial) control to adjust the room temperature set point.
For connection to Uponor controller X-23.

Consisting of:

- T-24 Thermostat with printed scale on dial for settings
- Outer frame 81x85x44,5
- Cover 50x50 mm

Functions

- Simple on/off control (bimetall)
- Setpoint range 5-30°C
- Setting range can be limited mechanically by moving pins under the dial
- Powerd by base unit (230V)

Conformity: CE

Protection class: IP 30

Colour: pure white, glossy

Wiring: 4 x 1,5 mm²

Max. cable length: 100 m



Item no.	l mm	b mm	h mm	Description	unit 2	unit	
1058423	81	85	44.5	Uponor Base thermostat flush T-24 230V	60	1	pcs

Base



Uponor Base thermostat H/C T-25

The thermostat H/C T-25 with scale is an easy-to-use 230V wired thermostat that incorporates conventional wheel (with print on dial) control to adjust the room temperature set point. A DIP switch can activate the change over contact between heating and cooling in a 2 pipe installation.

For connection to Uponor controller X-23.

Consisting of:

- T-25 Thermostat with printed scale on dial for settings
- DIP switch for change over contact heating/cooling

Functions

- Simple on/off control (bimetall)
- Heating/Cooling change over
- Setpoint range 5-30°C
- Setting range can be limited mechanically by moving pins under the dial
- Powered by base unit (230V)

Conformity: CE

Protection class: IP 30

Colour: near RAL 9010

Wiring: 4 x 1,5 mm²

Max. cable length: 100 m

Item no.	l mm	b mm	h mm
1058424	78	78.5	13.9

Description	unit 2	unit	
Uponor Base thermostat H/C T-25 230V	50	1	pcs



Uponor Base thermostat dig. prog. T-26

The thermostat T-26 is a digital programmable thermostat with energy saving features calculates the heat up time of a system. A floor temperature sensor and a remote sensor be connected optional.

For connection to Uponor controller X-23, 230V Wiring Centre.

Consisting of:

- T-26 prog. digital thermostat
- Additional in-side port for floor/remote sensor connection (sold separately 1047459)

Optional

- Remote sensor (sold separately 1047459)

Functions

- Fully programmable - 5/2 or 7day with four heat levels per day
- Multiple regulation control choice - air only, air and floor or floor only
- Holiday mode with override feature
- Optimised start
- Lock facility - tamper proof setting
- Status display on current thermostat mode
- Setpoint range 5-35°C
- Powered by base unit (230V)

Conformity: CE

Protection class: IP 20

Colour: near RAL 9010

Item no.	l mm	b mm	h mm
1058425	85	98	13

Description	unit 2	unit	
Uponor Base thermostat dig. prog. T-26 230V	90	1	pcs

Base

Uponor Base sensor remote

Optional 3m long sensor for control and regulation of remote temperature.



Item no.	L m	Description	unit
1047459	3	Uponor Base sensor remote 230V	1 pcs

Uponor Vario PLUS actuator Pro

230 V, with open/closed indicator, suitable for use with Uponor Vario Plus Manifolds. Closes when idle. With all-round shower protection (IP 54). Suitable for operation at ambient temperature of up to 60°C. Threaded connector M 30 x 1.5 mm MT. Height: 54 mm.

Conformity: CE



Item no.	d mm	AG mm	P W	OV V	h mm	Description	unit 2	unit
1005605	40	30x1.5	~2	230	54	Uponor Vario PLUS actuator Pro 230V NC MT 30x1,5	10	1 pcs

Uponor Vario S actuator ST

230 V, with open/closed indicator, suitable for use with Uponor Vario S (Stainless Steel) Manifolds. Closes when idle. With all-round shower protection (IP 54). Suitable for operation at ambient temperature of up to 60°C. Threaded connector M 30 x 1.5 mm FT. Height: 56 mm.

Conformity: CE



Item no.	d mm	IG mm	P W	OV V	h mm	Description	unit 2	unit
1013006	40	30x1.5	~2	230	56	Uponor Vario S actuator ST 230V NC FT M30x1,5	10	1 pcs

Space

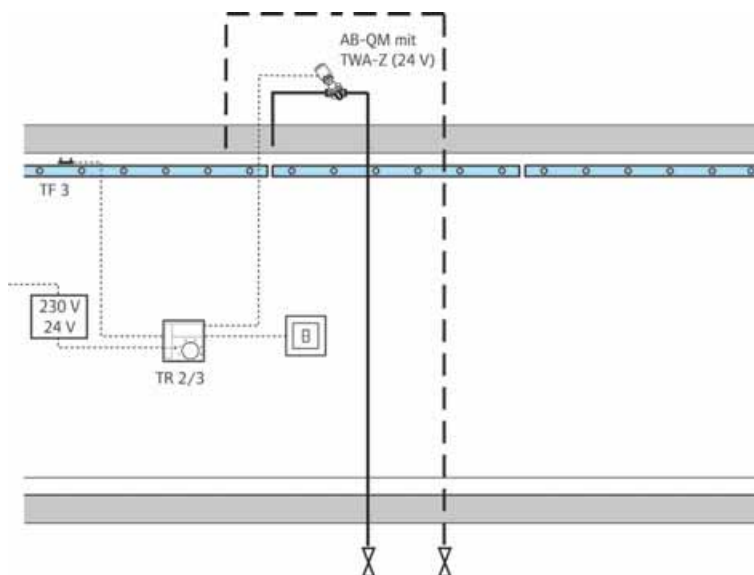


Uponor Zone Control for Ceiling Applications

For ceiling systems as such the Uponor comfort panel. Uponor offers a specially adapted room temperature control system with dew point monitoring. The Zone Control systems allows the room temperature control and dew point monitoring when not using a manifold distribution. The use of pressure independent volumetric flow controller makes the regulation of heating and cooling circuits fast and easy and ensures that the volumetric flow of each circuit is adjustable according to the design.

All components belonging to the Uponor Zone Control Line could be used for different applications. The components are quite flexible.

Below you can see a typical zone based control system with pressure-independent volumetric flow controller for a ceiling installation as example:



Your benefits

High comfort level:

- Very fast reaction time of the whole heating and cooling system
- High quality and easy to use room control
- Heating and cooling possible
- Condensation protection

Cost saving and easy installation:

- Low cost, flexible and safe thermostat wiring

Intelligent energy distribution:

- Hydraulic flow control by special flow control valves and actuators

Space

Uponor Space thermostat H/C TR 2/3

The TR 2/3 flush mounted thermostat is used to maintain a pre-selected room temperature by a dial, when in cooling mode, to prevent the formation of condensate at the ceiling cooling.

Consisting of:

- TR 2/3 flush mounted thermostat
- Mounting Material

Options:

- Setpoint remote control by applying a DC voltage of 0-10V
- Prevent Condensation by dew point sensor TF 3 PR (plastered ceilings/walls or pipe installations, 1000311 sold separately)
- Prevent Condensation by dew point sensor TF 3 GM (gypsum plasterboard ceilings/walls or suspended metal ceiling, 1000313 sold separately)
- Switch box (external) for easy concealed installation (according to DIN 49073)
- Heating/Cooling switch over by external switch

Functions:

- Build-in DIP switch for selection of two wiring systems
- Separate heating and cooling outputs by three wire system individual valve outputs for H/C valves
- Single output for common h/c valve by two wire system single output for a common h/c valve
- LED indicator shows current status (h/c/dew point warning)
- Operating modes
- Setpoint range 5-30°C
- Setting range can be limited mechanically by moving pins under the dial

Conformity: CE

Protection Class: IP 20 III

Color: RAL 9010

Operational voltage: 24 V / 50-60 Hz

Switch outlet: Triac, 24 V/1 A, short-term up to 2,5 A



Item no.	l mm	l1 mm	h mm	Description	unit
1000311	71	70	28	Uponor Space thermostat H/C TR 2/3 230V	1 pcs

Uponor Space converter dew-point TK 1PF

The Uponor dew point converter TK 1PF evaluates the information received from the corresponding dew-point sensor. Up to 5 dew-point sensors could be connected.

Consisting of:

- Dew-point converter TK 1 PF

Options:

- Installation at external DIN-rail
- Installation in external plastic housing
- Remote communication with external BAS

Functions:

- Evaluates received dew point informations
- Activation of integrated contact when dew point is reached
- Up to 5 dew-point sensors could be connected
- Output by a dry contact signal (max load capacity 48V~/60V DC)

Conformity: CE

Operating voltage: 24V / 50-60 Hz



Item no.	l mm	b mm	h mm	Description	unit
1000314	85	36	60	Uponor Space converter dew-point TK 1PF 230V	1 pcs

Space



Item no.	l mm	b mm	h mm
1000312	70	20	7

Uponor Space sensor dew-point TF 3 PR

For plastered ceilings or walls / pipe installation, detects a potential condensation arising on the pipe or in the immediate vicinity by changing its electrical resistance. This change of resistance in the sensor is detected by room thermostat TR 2/3, which closes control valve and effectively protects the cooling surface from condense damage.

The dew point sensor TF 3 PR is designed for installation in plastered ceilings (P) and for cold-water pipe conduits (R).

Installation site: plastered ceilings/walls or pipe installations

Description	unit
Uponor Space sensor dew-point TF 3 PR 230V	1 pcs



Item no.	l mm	b mm	h mm
1000313	70	20	7

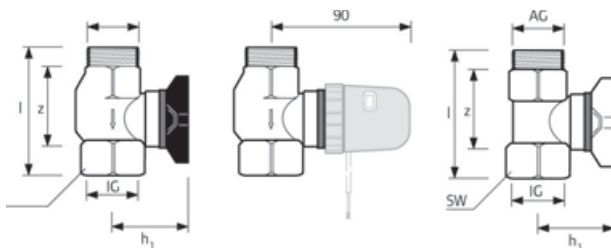
Uponor Space sensor dew-point TF 3 GM

For gypsum plasterboard ceilings / suspended metal ceilings, detects a potential condensation arising on the pipe or in the immediate vicinity by changing its electrical resistance. This change of resistance in the sensor is detected by room thermostat TR2/3, which closes control valve and effectively protects the cooling surface from condense damage.

The dew point sensor TF 3 GM is designed for installation in gypsum plasterboard ceilings/walls (G) and for suspended metal ceilings (M).

Installation site: gypsum plasterboard ceilings/walls or suspended metal ceiling

Description	unit
Uponor Space sensor dew-point TF 3 GM 230V	1 pcs



Uponor Vario balancing valve

For the hydraulic balancing and shut-off of the Uponor Vario Plus manifold, consisting of:

- G 1/Rp 1 inlet control valve for the hydraulic balancing and independent shutt-off of the manifold, including hand wheel and display for settings/closing

kvs value: 5.4 m³/h

- G 1/Rp 1 return valve for the shut-off of the manifold, including hand wheel and display for closing; adaptable for Uponor plastic manifold actuators.

kvs value: 6.4 m³/h

In conjunction with Uponor plastic manifold actuators, the kvs value is 4.8 m³/h.

The connecting valve can be used to control individual zones.

Material: Housing made in brass, hand wheels made in polyamide

Max. testy pressure: 10 bar (water)

Item no.	AG "	IG "	l mm	SW mm	h1 mm	z mm
1005100	G 1	Rp 1	80	38	50	45

Description	unit 2	unit
Uponor Vario balancing valve G1 - Rp1	15	1 set

Space

Uponor Vario PLUS actuator Pro

24 V, with open/closed indicator, suitable for use with Uponor Vario Plus Manifolds in connection with Uponor radio or wired control system. Closes when idle. With all-round shower protection (IP 54). Suitable for operation at ambient temperature of up to 60°C.

Threaded connector M 30 x 1.5 mm MT.

Height: 54 mm.

Conformity: CE



Item no.	d mm	AG mm	P W	OV V	h mm	Description	unit 2	unit
1000138	40	30x1.5	~2	24	54	Uponor Vario PLUS actuator Pro NC MT 30x1,5 24V	10	1 pcs

Uponor UCS Accessory H/C relay

For automatic heating/cooling switchover on external signal.



Item no.	OV V	I mm	b mm	h mm	Description	unit
1000517	230	160	50	95	Uponor UCS Accessory H/C relay 230V	1 pcs

Uponor Space room hygrostat

The Uponor Zone Wired Room Hygrostats are used for controlling and monitoring relative humidity in cooling, ventilation or air conditioning applications.

They ensure room humidity control within the selectable range of 30 to 90 % relative humidity by controlling humidification or dehumidification equipment.

They can also be used for monitoring minimum or maximum humidity levels

Consisting of:

- Uponor Zone Wired Room Hygrostat
- Manual
- Mounting instructions

Functions:

- Controlling external dehumidifier or humidifier in a range of 30 to 90% relative humidity
- Inside set-point adjustment

Confirmation: CE

Type of switch: microswitch (1-pole potential-free changeover switch)

Contact rating: Maximum 5(3) A, AC 250 , Minimum 100 mA, AC 24 V

Set-point range: 30 to 90% RH

Protection Class: II

Degree of Protection: IP20

Material/Color Base: PPS Forton, glass fiber, black

Material/Color Cover: PC Lexan 940, pure white



Item no.	OV V	I mm	d mm	h mm	Description	unit
1020354	230	76	34	76	Uponor Space room hygrostat 230V	1 pcs

Vario



Uponor Move mixer motor 3 point 230V

For motorised control of Smatrix Move (Plus) Water Temperature Control, mounted on a mixing valve and used in combination with the Smatrix Move (Plus) Controller. Externally powerd.

- Actuator 230V
- 3 point control

Conformity: 230V

Item no.	OV V	Description	unit	
1002357	230	Uponor Move mixer motor 3 point 230V	1	pcs

Tools

Uponor cutter knife

Cutter knife for polystyrene insulation.



Item no.	Description	unit
1006263	Uponor polystyrene cutter knife	1 pcs

Uponor Nubos panel cutting tool

For the easy cutting of Uponor pipe fixing system panels.



Item no.	Description	unit
1016724	Uponor Nubos panel cutting tool	1 pcs

Uponor Klett spreader bar tool

Expansion rod with pipe laying mount



Item no.	Description	unit
1007179	Uponor Klett spreader bar tool	1 pcs

Uponor Klett gloves for hauling

for a better handling from the Uponor Self Attaching Pipes.



Item no.	Description	unit
1048675	Uponor Klett gloves for hauling BLUE	1 pcs

Tools



Uponor Multi UFHC roller manual

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

Item no.	Description	unit
1000142	Uponor Multi UFHC roller manual	1 pcs



Uponor Tacker clip stapler magazine

High-precision, wear-proof tool for pinning with staples in magazines, with curved magazine.

Item no.	Description	unit
1002295	Uponor Tacker clip stapler magazine 14-20mm l=700mm	1 pcs



Uponor Classic twisting tool

For twisting of the tying wires while fixing the pipe on steel meshes.

Item no.	Description	unit
1006243	Uponor Classic twisting tool l=320mm	1 pcs



Uponor Multi tying tool

For twisting of the tying wires while fixing the pipe on steel meshes.

Item no.	Description	unit
1034533	Uponor Multi tying tool	1 pcs



Uponor Siccus 14 PS cutter, groove

For cutting of individual pipe curves and guides.
230/110 V connection.

Item no.	OV V	Description	unit
1006290	230	Uponor Siccus 14 PS cutter, groove 14mm 230V	1 pcs

Tools

Uponor Vario spanner 30mm

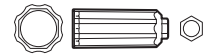
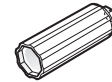
For swivel nut of the Uponor compression adapters



Item no.	SW mm	Description	unit
1006265	30	Uponor Vario spanner 30mm	1 pcs

Uponor Vario PLUS valve tool

For mounting and de-mounting the valves of the Vario Plus manifold.



Item no.	Description	unit
1009216	Uponor Vario PLUS valve tool	1 pcs

Uponor Flex pipe cutting tool PEX

For Uponor pipes, outside diameter up to 25 mm.



Item no.	d mm	Description	unit
1001369	- 25	Uponor Flex pipe cutting tool PEX 14-25	1 pcs

Uponor MLC pipe cutting tool

For Uponor pipes, outside diameter up to 32 mm.



Item no.	d mm	Description	unit
1013719	14-32	Uponor MLC pipe cutting tool 14-32	1 pcs

Uponor MLC pipe cutting tool

For Uponor pipes, easy cutting with special triangle blade for outside diameter up to 25 mm. With corrugated pipe cutting device.



Item no.	d mm	Description	unit
1083646 NEW	-25	Uponor MLC pipe cutting tool 14-25	1 pcs
1083647 NEW	-25	Uponor SPI MLC pipe cutting blade 14-25	1 pcs

Tools



Uponor MLC pipe cutting tool

For Uponor pipes, outside diameter 25-63 mm.

Item no.	d mm	Description	unit
1006634	25-63	Uponor MLC pipe cutting tool 25-63	1 pcs
1006635	25-63	Uponor SPI MLC pipe cutting tool blade 25-63	1 pcs



Uponor Q&E expansion tool with heads M12

Battery powered expander tool for 6 bar pipes up to dimension 32mm and for 10 bar pipes up to 28 mm.

Auto-rotating with M12 expander heads.

< 10seconds full expansion onto a joint

< 2.2kg with head and battery

Steel gear and integrated metal frame

LED work light, fuel gauge, Tool free head change

incl. 2 Li-ion 2,0 Ah batteries, charger 220-240V/50-60Hz and cone grease.

Item no.	p bar	stroke mm	Description	unit
1058733	6	14	Uponor Q&E expansion tool with heads M12 14/16 6bar	1 set
1057166	6	14	Uponor Q&E expansion tool with heads M12 16/20/25 6bar	1 set
1063112 NEW			Uponor Q&E expansion tool with heads M12 6bar 9,9/20	1 set



Uponor Q&E expansion tool spare battery M12

Rechargeable Li-ion battery for Milwaukee tools.

Item no.	Description	unit
1057409	Uponor Q&E expansion tool spare battery M12 1,5Ah	1 pcs



Uponor Q&E charger for battery M12

Q&E M12 charger for M12 tool

Charger 220-240V / 50-60Hz

Item no.	OV V	Description	unit
1057410	230	Uponor Q&E charger for battery M12	1 pcs

Tools

Uponor SPI Q&E graphite paste

Colloidal graphite paste. For Uponor Q&E Tools and for WIPEX bolts.



Item no.	Weight kg	Description	unit 2	unit	
1005017	0.1	Uponor SPI Q&E graphite paste 100g	70	1	pcs

Uponor Q&E graphite paste, manual tools

Colloidal graphite paste. For Uponor Q&E Tools and for WIPEX bolts.



Item no.	Weight kg	Description	unit 2	unit	
1008334	0.03	Uponor Q&E graphite paste, manual tools 30g	20	1	pcs

Uponor Q&E head M12

Uponor Q&E expansion head 9,9 to be used with Milwaukee M12 tool



Item no.	Description	unit
1060702	Uponor Q&E head M12 9,9x1.1	1 pcs

Uponor Q&E expansion head M12/M18

Q&E expander head for M12 and M18 tools.



Item no.	d mm	s mm	p bar	stroke mm	Description	unit
1057184	14/15	2.0/2.5	6+10	14	Uponor Q&E expansion head M12/M18 14/15x2,5	1 pcs
1057172	16	1.8/2.0/2.2	6+10	14	Uponor Q&E expansion head M12/M18 16x2,0/2,2	1 pcs
1057185	17/18	2,5	10	14	Uponor Q&E expansion head M12/M18 17/18x2,5	1 pcs
1057173	20	1.9/2.0	6	14	Uponor Q&E expansion head M12/M18 20x1,9/2,0	1 pcs
1057175	25	2.3	6	14	Uponor Q&E expansion head M12/M18 25x2,3	1 pcs

Tools



Item no.	p bar	stroke mm
1063909 NEW	10	25

Uponor Q&E expansion tool with heads M18 10bar

Battery powered expander tool for 10 bar pipes up to 32 mm.
Auto-rotating with M18 expander heads.
< 10seconds full expansion onto a joint.
< 2.2kg with head and battery
Steel gear and integrated metal frame
LED work light, fuel gauge, Tool free head change
incl. 2 Li-ion 2,0 Ah batteries, charger 220-240V/50-60Hz and grease (Mo)

Description	unit
Uponor Q&E expansion tool with heads M18 10bar 16/20/25/H32	1 set



Item no.	d mm	s mm	p bar	stroke mm
1057183	40	3.7	6	25

Uponor Q&E expansion head M18 H

Q&E head for S5 fittings, for M18 tools.
Expander head packed screw pack

Description	unit
Uponor Q&E expansion head M18 H 40x3,7	1 pcs



Item no.
1033691

Uponor Meltaway uncoiler

Uponor snow and ice melting, pipe decoiler.

Description	unit
Uponor Meltaway uncoiler	1 pcs

Tools

Uponor Magna uncoiler with pipe guide

For laying of all Uponor pipes up to dimension 25 mm. Suits different pipe coils with 300 mm and 600 mm internal diameter.



Item no.	Description	unit	
1035807	Uponor Magna uncoiler with pipe guide	1	pcs

International sales and delivery terms

1 Interpretation

Hereinafter buyer ("Buyer") means an entity purchasing goods and services ("Goods") from the Uponor Group company ("Supplier") or whose order for the Goods is accepted by the Supplier.

2 Basis of the sale

- 2.1 The Supplier shall sell and supply the Goods to the Buyer subject to these terms and conditions ("Conditions"), which shall govern the contract ("Contract") for the sale of the Goods provided by the Supplier hereunder to the exclusion of any other terms and conditions.
- 2.2 No variation to these Conditions shall be binding unless agreed in writing by an authorised representative of the Supplier. Conditions shall include any special terms and conditions agreed in writing by the Supplier and the Buyer; any special terms shall prevail.

3 Orders and specifications

- 3.1 No order submitted by the Buyer is accepted by the Supplier unless confirmed in writing by the Supplier's authorised representative or delivery of the Goods by the Supplier.
- 3.2 The quantity, quality and description of and any specification for the Goods are those set out in the Supplier's quotation or the Buyer's order (to the extent accepted by the Supplier).
- 3.3 The Supplier may make changes to the specification of the Goods in order to conform with any statutory or EC requirements or if changes do not materially affect Goods quality or performance.
- 3.4 All drawings, designs, specifications and other information provided by the Supplier are confidential and all intellectual property rights in respect of them remain vested in the Supplier and shall not pass to the Buyer.

4 Price of Goods

- 4.1 The price of the Goods shall be the price specified in separate written agreement or, if none, on the Supplier's order acknowledgement or, if none, on the Supplier's quotation or, if none, on the Supplier's price list. All prices quoted are valid for 14 days only or until earlier acceptance by the Buyer.
- 4.2 The Supplier may vary the price at any time before delivery to reflect any change in the cost beyond the control of the Supplier (e.g. foreign exchange, costs of labour, materials or other costs of manufacture), any change in delivery dates, quantities or specifications for the Goods which is requested by the Buyer.

- 4.3 All prices of the Goods are given on EXW, Incoterms 2000, basis. Prices exclude value added tax and other taxes and duties as well as any charges for transport, packaging and insurance.

5 Terms of payment

- 5.1 The Buyer shall pay the invoice (in full without any set off, deduction or counterclaim) in Euros, unless the Supplier specifies otherwise, other to the Supplier's bank account specified in the invoice within 14 days from the date of the invoice.
- 5.2 The Supplier is entitled to charge 16 % p.a. interest on the delayed payments.

6 Delivery and Performance

- 6.1 Term of delivery shall be EXW, Incoterms 2000.
- 6.2 Any dates quoted for delivery of the Goods are approximate only and the Supplier shall not be liable for any delay in delivery of the Goods unless being in delay more than two weeks from the agreed approximate delivery date and having received the Buyer's written notification.
- 6.3 If the Supplier fails to deliver the Goods for a reason not beyond the Supplier's control and not due to the Buyer, the Supplier shall pay to the Buyer a sum equal to 1% price of the delayed delivery for each week in delay up to maximum amount of 5% of the price of the delayed or non-delivered Goods, provided that the Buyer claims such amount within thirty days from the original date of delivery. This shall be Buyer's only and exclusive remedy in case of delay in delivery or non-delivery.
- 6.4 If the Buyer fails to take delivery of the Goods or fails to give the Supplier adequate delivery instructions then, without prejudice to any other right or remedy available to the Supplier, the Supplier may store the Goods until actual delivery and charge the Buyer for the reasonable costs (including insurance) of storage and/or sell the Goods at the best price readily obtainable and (after deducting all reasonable storage and selling expenses) account to the Buyer for the excess over the price under the Contract or charge the Buyer for any shortfall below the price under the Contract.
- 6.5 The Buyer shall comply with all laws governing the importation of the Goods into the country of destination.

International sales and delivery terms

7 Risk and property

- 7.1 Risk of damage to or loss of the Goods shall pass to the Buyer at the time of delivery. The Buyer should insure the Goods accordingly.
- 7.2 The property in the Goods shall pass to the Buyer upon the payment in full of the price of the Goods.
- 7.3 Until the property in the Goods passes to the Buyer, the Buyer shall hold the Goods as the Supplier's fiduciary agent, and shall keep the Goods separate and properly stored, protected and insured and identified as the Supplier's property, and shall not be entitled to dispose of the Goods.
- 7.4 Until such time as the property in the Goods passes to the Buyer, the Supplier may at any time require the Buyer to deliver up the Goods to the Supplier and, if the Buyer fails to do so forthwith, enter upon any premises of the Buyer or any third party where the Goods are stored and repossess the Goods.

8 Liability

- 8.1 The Buyer shall inspect the Goods upon the delivery. Any claim for any defect in the quality or condition of the Goods shall be notified in writing to the Supplier within eight days of delivery or, where the defect was not apparent, of discovery of the defect, but, in any event, within twelve months of delivery.
- 8.2 The Supplier does not warrant accuracy or otherwise of any design, drawing, specification, instructions, or information or advice it provides in relation to the Goods. All warranties in relation to the Goods whether express or implied are excluded to the fullest extent permitted by law including but not limited to warranties with regard to fitness for the purpose and merchantability.
- 8.3 In case of defective Goods, the Supplier may, at its option, replace or repair the Goods free of charge or refund the price of the Goods, but the Supplier shall have no further liability to the Buyer.
- 8.4 Under no circumstances the Supplier shall be liable to the Buyer for loss of contracts, profits, revenue, business, or other indirect or consequential loss howsoever caused.
- 8.5 The Supplier's entire liability under the Contract shall not exceed the price of the Goods which are the subject of the claim by the Buyer.

9 Insolvency of Buyer

- 9.1 Without prejudice to any other right or remedy available to the Supplier, the Supplier may cancel the Contract or suspend any further deliveries without any liability to the Buyer, if: (I) the Buyer is in breach of a payment to the Supplier or any other company within the Uponor Group; (II) makes any voluntary arrangement with its creditors or becomes bankrupt or goes into liquidation; or (III) the Buyer ceases, or threatens to cease, to carry on business; or (IV) the Supplier reasonably believes that any of the foregoing events is about to occur in relation to the Buyer and notifies the Buyer accordingly.

10 Packing

- 10.1 If the Supplier notifies that packing materials are returnable, the Buyer shall return them at its expense within three months of the delivery. Where not returnable, the Buyer will dispose of all packing in accordance with the applicable regulations.
- 10.2 The Supplier shall use reasonable endeavours to ensure, where necessary, the appropriateness of packing before despatch, but the Supplier shall not be liable for any damage to or loss of Goods between despatch from the Supplier and delivery in accordance with this Contract.

11 General

- 11.1 No waiver by the Supplier of any breach of the Contract by the Buyer shall be considered as a waiver of any subsequent breach of the same or any other provision.
- 11.2 If any provision of the Contract is held to be invalid or unenforceable the validity of the other provisions of the Contract shall not be affected.
- 11.3 The Contract shall be governed by and construed in accordance with the laws of Sweden excluding UN Convention of International Sale of Goods.
- 11.4 Any dispute, controversy or claim arising out of or in connection with this contract shall be finally settled in accordance with the Rules of the Arbitration Institute of the Stockholm Chamber of Commerce. The arbitral tribunal shall be composed of a sole arbitrator. The arbitration shall take place in Stockholm and the language shall be English.
- 11.5 Without prejudice to clause 11.4 above, the Supplier reserves the right, at its own choice, to sue the Buyer at the Buyer's general place of jurisdiction.

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