



Mainfloor
Underfloor heating system

EXPORT PRICE LIST 2018

MAINCOR Rohrsysteme GmbH & Co. KG
Silbersteinstraße 14
97424 Schweinfurt, Germany
Tel: +49 (0) 97 21 / 65977 - 100
Fax: +49 (0) 97 21 / 65977 - 200

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Pipes

PE-RT pipe with EVOH (5 layer)



Description	Code	Qty/unit	Qty/pallet	Net price €/m
14 x 2,0	50.140.034.600	600m	3.600m	0,31 €
NEW 16 x 1,5	55.160.034.300	300m	3.000m	0,25 €
16 x 1,5	55.160.034.600	600m	3.600m	0,25 €
16 x 2,0	50.160.034.300	300m	3.000m	0,29 €
16 x 2,0	50.160.034.600	600m	3.600m	0,29 €
17 x 2,0	50.170.034.300	300m	3.000m	0,30 €
17 x 2,0	50.170.034.600	600m	3.600m	0,30 €
18 x 2,0	50.180.034.300	300m	2.100m	0,33 €
18 x 2,0	50.180.034.500	500m	3.000m	0,33 €
20 x 2,0	50.200.034.300	300m	2.700m	0,37 €
20 x 2,0	50.200.034.500	500m	3.000m	0,37 €

Material: PE-RT (PE raised temperature resistance according to DIN 16833). Usable for radiator connections, sanitary and underfloor heating installations.

Composite pipe PE-RT / Alu / PE-RT



Description	Code	Qty/unit	Qty/pallet	Net price €/m
16 x 2,0	4.160.021.300	300m	3.000m	0,40 €
16 x 2,0	4.160.021.500	500m	3.000m	0,40 €

Material: PE-RT (PE raised temperature resistance according to DIN 16833). Usable for radiator connections, sanitary and underfloor heating installations.

PE-Xa pipe with EVOH (5 layer)



Description	Code	Qty/unit	Qty/pallet	Net price €/m
16 x 2,0	52.160.014.300	300m	2.400m	0,41 €
16 x 2,0	52.160.014.600	600m	1.800m	0,41 €
17 x 2,0	52.170.014.300	300m	2.400m	0,43 €
17 x 2,0	52.170.014.600	600m	3.600m	0,43 €

Usable for radiator connections, sanitary and underfloor heating installations.

Fittings and Accessories

Slide seal coupler for the connection of underfloor heating pipes



Description	Code	Qty/box	Net price €/piece
Coupler 16 x 16 (tin-coated)	30.100.101	10 pieces	0,79 €

Set of slide seal coupler for the connection of underfloor heating pipes



Description	Code	Qty/box	Net price €/set
Coupler set 16 x 1,5 (coupler + 2 slide sleeves)	30.100.115	1 set	2,85 €
Coupler set 16 x 2,0 (coupler + 2 slide sleeves)	30.100.000	1 set	2,85 €
Coupler set 17 x 2,0 (coupler + 2 slide sleeves)	30.100.111	1 set	3,34 €
Coupler set 16 x 2,0 with 17 x 2,0 (coupler + 2 slide sleeves)	30.100.121	1 set	3,34 €
Coupler set 20 x 2,0 (coupler + 2 slide sleeves)	30.100.232	1 set	3,84 €

Press coupler for the connection of underfloor heating pipes



Description	Code	Qty/box	Net price €/piece
16 x 16	31.100.101	10 pieces	1,32 €
20 x 20	31.100.202	10 pieces	1,61 €

Fitting is composed of brass and meets the demands of DVGW and ÖVGW. Surface is tin-coated according to DVGW process sheet W 534. Suitable for heating and sanitary installations.

U-clips, stored, 14 - 20mm



Description	Code	Qty/box	Net price €/100pcs
40mm	50.903.021	900 pieces	1,28 €

PE tacker pin to fasten underfloor heating pipes on a suitable ground (stapler system).

- Suitable for pipes with DIM 14 - 20
- Length: 40mm

Rail-fix

Description	Code	Qty/box	Net price €/m
Rail-fix 14	50.903.136	100m	0,79 €
Rail-fix 16 / 17	50.903.036	100m	0,79 €
Rail-fix 20	50.903.236	108m	0,79 €

Self-adhesive clamping strip (made of PP) with integrated pipe mount for underfloor heating pipes. Endless extendable due to the push-button system.

- Width: 40mm / length: 1.000mm
- Mounting distance: 50mm

Manual fixing clip

Description	Code	Qty/box	Net price €/piece
50mm	220.407	1.000 pieces	0,03 €

Manual fixing clip (made of PE) to fix a rail-fix on the foil with rasterorientation and the subjacent insulating layer. The pins can also be used as an additional fixation of underfloor heating pipes.

Suppression plug

Description	Code	Qty/box	Net price €/piece
80mm	110.500	100 pieces	0,09 €

For the fixation of heat insulating on the floor.

Pipe leading elbow

Description	Code	Qty/box	Net price €/piece
10 - 18	50.903.235	1 piece	0,48 €
20	50.903.237	1 piece	0,87 €
25	50.903.238	1 piece	1,08 €

Non-halogen and not flame-protected pipe guide bend made of PE, catering for special resistances to alcohols, fats, petroleums and petrols. It has no resistance to concentrated, strongly oxidising acids.

Operation temperature:

- Constant load: -15°C - 90°C
- Peak (short-time load): 120°C

Split PE protective pipe (for expansion joints)

Description	Code	Qty/box	Net price €/piece
23 x 400mm	610.807	50 pieces	0,19 €

The split PE protective pipe is used to protect the underfloor heating pipes in areas where there are expansion joints.

The protective pipe is a non-halogen conduit made of PE, catering for special resistances to alcohols, fats, petroleums and petrols. It has no resistance to concentrated, strongly oxidising acids.

Split PE protective pipe (for underfloor heating)

Description	Code	Qty/unit	Qty/pallet	Net price €/m
20mm	610.850	50m	2.500m	0,41 €

Protective pipe to reduce the heat transmission to avoid overheating in corridors / hallways.

The protective pipe is a non-halogen conduit made of PE, catering for special resistances to alcohols, fats, petroleums and petrols. It has no resistance to concentrated, strongly oxidising acids.

Adhesive tape, transparent

Description	Code	Qty/box	Net price €/coil
75mm (66m long)	50.903.028	1 coil	1,57 €

Insulation

Insulation roll



Description	Code	Qty/box	Net price €/m ²
30-2 thermal conductivity group 040 / 5kPA	50.903.020	1 coil / 10m ²	2,48 €
20-2 thermal conductivity group 045 / 4kPA	50.903.034	1 coil / 10m ²	2,17 €
25-2 thermal conductivity group 045 / 4kPA	50.903.252	1 coil / 10m ²	2,33 €

Thermal and impact sound insulation made of EPS with laminated woven fabric foil for fixing the underfloor heating pipes with U-clips or rail-fix. Installation grid printed onto the woven fabric as cutting orientation and for the exact alignment of the pipes.
The woven fabric moreover serves as moisture barrier with unilateral foil protrusion to cover the insulating layer according to DIN 18650.

- Width: 1.000mm
- Installation grid spacing: 50mm

Air cushioned insulating film

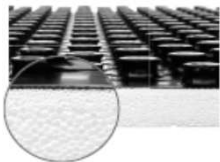


Description	Code	Qty/box	Net price €/m ²
Insulating film	50.903.019	1 coil / 75m ²	1,28 €

1,25 x 60m insulating film (for use with tacker or rail-fix system) with raster orientation imprint (spacing 50mm). Inset as a separation layer between the screed and the insulating material. The foil has a heat reflection layer made of aluminium (R = 0,081m²K/w).

- Max. compression load: 10kN
- Height: 4mm

Pipe positioning panel premium 14-17mm



Description	Code	Qty/box	Net price €/m ²
Pipe pos. panel without insulation	51.903.060	13,44m ²	4,00 €
Pipe pos. panel 11 premium	51.903.061	14,56m ²	5,32 €
Pipe pos. panel 30-2 premium	51.903.062	6,72m ²	6,35 €

Profiled panel for pipes with a diameter of 14 - 17mm consisting of a thermoforming foil with foam-backed pipe fixation profile (art. 51903060 without insulation) guaranteeing secure fixation of the pipes, routing of the pipes to comply with given installation clearances, tightness and very good accessibility. Locked bonding between thermoforming foil and thermal insulation / impact sound insulation made of EPS. The panels are connected by overlapping foil on two sides with integrally molded studs, which engage with the smaller studs of the already installed panels in a friction locked manner so that a uniform installation surface results. Can be used in building construction according to DIN EN 13163.

Edge-insulation strip



Description	Code	Qty/box	Net price €/m
8 x 150mm	50.903.022	1 coil / 25m	0,18 €
8 x 150mm with self-adhesive tape	50.903.039	1 coil / 25m	0,24 €
10 x 150mm	50.903.222	1 coil / 25m	0,23 €

Edge insulating strips for the standard-compliant separation of the screed from adjoint construction elements according to DIN 18560 and DIN EN 1264 with laminated PE foil for sealing, particularly with self leveling floor screeds.

Pipe positioning panel for dry construction with aluminium plate



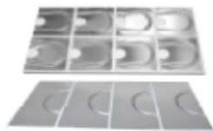
Description	Code	Qty/box	Net price €/piece
Alu panel - distance 12,5	51.903.030	10 pieces	11,13 €
Alu panel - distance 25	51.903.031	10 pieces	11,13 €

The dry construction element made of EPS polystyrene foam is manufactured according to DIN EN 13163. Aluminum sheeting with a Ω-pipe guidance is fixed on the system element. This ensures the secure hold of the heating pipe DIM 16 in the panel. The element can be used on solid and wooden beam floors. The screed can be molded along with dry screed elements or wet screed according to DIN 18560.

The aluminum sheeting which is attached guarantees optimum heat distribution and walk-on stability.

- Heat conduction group: 035
- Installation spacing: 12,5 / 25cm
- Panel / usable dimensions: 1.000 x 500 x 30mm

Turn panel for dry construction with aluminium plate



Description	Code	Qty/box	Net price €/piece
Turn panel for dry constr. - distance 12,5	51.903.035	10 pieces	13,81 €
Turn panel for dry constr. - distance 25	51.903.036	10 pieces	13,81 €

The turn panel made of EPS polystyrene foam is manufactured according to DIN EN 13163. Aluminium sheeting with a Ω -pipe guidance is fixed on the system element. This ensures the secure hold of the heating pipe DIM 16 in the panel. The element can be used on solid and wooden beam floors. The screed can be molded along with dry screed elements or wet screed according to DIN 18560.

- Heat conduction group: 035
- Installation spacing: 12,5 / 25cm
- Panel / usable dimensions: 1.000 x 500 x 30mm

1 piece consists of 4 single-elements with cutting edge sticking together.

Turn panel for dry construction



Description	Code	Qty/box	Net price €/piece
Turn panel for dry constr. - distance 12,5	51.903.044	10 pieces	3,92 €
Turn panel for dry constr. - distance 25	51.903.045	10 pieces	3,92 €

The turn panel made of EPS polystyrene foam is manufactured according to DIN EN 13163. The pipe guidance guarantees the exact and optimum bending radius of the heating pipe DIM 16. The element can be used on solid and wooden beam floors. The screed can be molded along with dry screed elements or wet screed according to DIN 18560.

- Heat conduction group: 035
- Installation spacing: 12,5 / 25cm
- Panel / usable dimensions: 1.000 x 500 x 30mm

1 piece consists of 4 single-elements with cutting edge sticking together.

Conversion panel for dry construction



Description	Code	Qty/box	Net price €/piece
Conversion panel for dry construction	51.903.033	10 pieces	1,08 €

The conversion panel made of EPS polystyrene foam is manufactured according to DIN EN 13163. The pipe guidance guarantees the exact and optimum bending radius of the heating pipe DIM 16. The element can be used on solid and wooden beam floors. The screed can be molded along with dry elements or wet screed according to DIN 18560.

- Heat conduction group: 035
- Installation spacing: 25mm
- Panel / usable dimensions: 375 x 250 x 30mm

Filling element

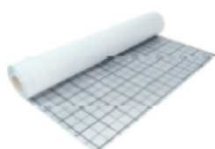


Description	Code	Qty/box	Net price €/piece
Filling element	51.903.037	10 pieces	3,80 €

EPS insulation panel as fill element made of styrofoam.

- Heat conduction group: 035
- Compressive stress at 10% compression > 200kPa
- Panel dimensions: 1.000 x 500 x 30mm

Foil with raster orientation



Description	Code	Qty/box	Net price €/m ²
Foil with raster orientation	51.903.038	103m ² / coil	0,81 €

Woven PE fabric with printed installation grid as cutting orientation and for the exact alignment of the pipes, grid spacing 5cm. The woven fabric moreover serves as moisture barrier with unilateral foil protrusion to cover the insulating layer according to DIN 18560. Use as separating foil between dry construction element and insulation panel.

- Roll: 100m
- Thickness: 0,2mm

Heat conduction sheet made of steel



Description	Code	Qty/box	Net price €/piece
Heat conduction sheet	51.903.040	10 pieces	3,96 €

Steel sheet to guarantee an equal load and heat distribution especially in front of a manifold.
DIM: 800 x 200 x 1mm

Renovation system (10mm)

PE-RT pipe with EVOH (5 layer)



Description	Code	Qty/box	Net price €/m
10 x 1,3	50.100.031.200	200m	0,40 €

Suitable for heating and radiant panel heating installations.
Structure of the 5-layer pipe: PE-RT – adhesive – coextruded oxygen diffusion barrier – adhesive – PE-

All fittings composed of brass, meet demands of DVGW and ÖVGW. Surface is tin-plated according to DVGW process sheet W 534. Suitable for heating and sanitary installations.

Sliding sleeve



Description	Code	Qty/box	Net price €/piece
10	20.000.010	10 pieces	0,63 €

Coupler



Description	Code	Qty/box	Net price €/piece
10 x 10	30.100.010	10 pieces	1,40 €
16 x 10	30.100.110	10 pieces	1,61 €

Male connector



Description	Code	Qty/box	Net price €/piece
10 x 1/2" MT	30.202.001	10 pieces	2,37 €

Tee



Description	Code	Qty/box	Net price €/piece
NEW 16 x 10 x 16	40.300.101	10 pieces	2,80 €

Joint euro cone with joint union nut



Description	Code	Qty/box	Net price €/piece
10 x 3/4" Joint euro cone	30.206.010	10 pieces	3,84 €

Compression fitting



Description	Code	Qty/box	Net price €/piece
10 x 3/4" euro cone	70.709.265	2 pieces	2,15 €

Pipe positioning panel 10 - 12mm



Description	Code	Qty/box	Net price €/m²
Pipe pos. panel without insulation	51.903.160	9,6m²	10,88 €

Profiled panel consisting of a thermoforming PS foil with pipe fixing studs guaranteeing secure hold of the pipes, routing of the pipes to comply with given installation clearances and very good accessibility. In punched design for connection between leveling compound and underground, adhesive layer on the back side with removable foil for secure hold on screed and tile undergrounds. The panels are connected by overlapping foil protrusions on two sides with integrally molded studs, which engage with the smaller studs of the already installed panels in a friction locked manner so that a uniform installation surface

Rail-fix

Description	Code	Qty/box	Net price €/m
Rail-fix 10	50.903.336	32m	1,20 €

Rail-fix with a predetermined breaking point, made of plastics with integrated pipe fixation for underfloor heating pipes.

- Width x length: 30 x 2.000mm
- Mounting distance: 25mm
- Consumption per m² approx. 0,5 - 0,8m rail for underfloor heating
- Consumption per m² approx. 1,5 - 2,0m rail for panel heating

Edge-insulating strip PE 50 x 5mm

Description	Code	Qty / unit	Qty/box	Net price €/m
Edge-insulating strip PE 50 x 5mm	50.903.122		1 coil / 25m	1,35 €

Extruded PE foam for standard-compliant manufacture of expansion joints within heating screed according to DIN 18650. With attached self-adhesive fleece backing.

Manifolds

Manifold stainless steel with integrated flow meter 1 1/4" short



Description	Code	Length mm	Qty/box	Net price €/piece
2 Circuits	50.900.002	180	1 piece	43,26 €
3 Circuits	50.900.003	230	1 piece	52,74 €
4 Circuits	50.900.004	280	1 piece	62,63 €
5 Circuits	50.900.005	330	1 piece	73,75 €
6 Circuits	50.900.006	380	1 piece	84,88 €
7 Circuits	50.900.007	430	1 piece	97,24 €
8 Circuits	50.900.008	480	1 piece	107,95 €
9 Circuits	50.900.009	530	1 piece	119,90 €
10 Circuits	50.900.010	580	1 piece	131,43 €
11 Circuits	50.900.011	630	1 piece	142,14 €
12 Circuits	50.900.012	680	1 piece	153,27 €

Heating circuit distributor made of stainless steel with union nut (flat-sealing connection) consisting of: Supply part with one integrated flow controller (type Taconova) per heating circuit for the exact adjustment of the flow rate without tool. Through the inspection window you can read off the flowing water volume. Display value 0 to 0,5l/min. Return part with valve inserts and unscrewable protection caps for accepting actuators (M30 x 1,5mm). Outflows with 3/4" MT euro cone suitable for olive-type tube fittings, incl. union nuts 1 1/4" FT, flat-sealing for direct connection to supply and return by means of screwed joint. Incl. 2 rotatable filling and draining valves 1/2", nickel-plated, incl. stable wall brackets with sound insulation insert, complete with screws and dowels, incl. 1 set heating circuit labeling tags with marking for supply and return part, loosely packaged in a cardboard box in a space-saving manner, checked for leak-tightness in the factory. High flow rate due to extended cross-section, without olive-type tube fittings and ball valves. Together with a 1 1/4" FT x 1 1/4" MT ball valve (art. no. 51.903.003) the manifold can also be used as industrial panel heating distributor. Maximum flow per distributor 4m³/h.

Manifold stainless steel with integrated flow meter 1 1/4" long



Description	Code	Length mm	Qty/box	Net price €/piece
2 Circuits	50.940.002	190	1 piece	48,21 €
3 Circuits	50.940.003	240	1 piece	60,57 €
4 Circuits	50.940.004	290	1 piece	73,34 €
5 Circuits	50.940.005	340	1 piece	87,35 €
6 Circuits	50.940.006	390	1 piece	99,71 €
7 Circuits	50.940.007	440	1 piece	110,83 €
8 Circuits	50.940.008	490	1 piece	123,19 €
9 Circuits	50.940.009	540	1 piece	137,61 €
10 Circuits	50.940.010	590	1 piece	150,38 €
11 Circuits	50.940.011	640	1 piece	163,16 €
12 Circuits	50.940.012	690	1 piece	173,87 €
13 Circuits	50.940.013	740	1 piece	193,64 €
14 Circuits	50.940.014	790	1 piece	206,00 €
15 Circuits	50.940.015	840	1 piece	220,42 €
16 Circuits	50.940.016	890	1 piece	234,84 €

Heating circuit distributor made of stainless steel with union nut (flat-sealing connection) consisting of: Supply part with one integrated flow controller (type Taconova) per heating circuit for the exact adjustment of the flow rate without tool. Return part with valve inserts and unscrewable protection caps for accepting actuators (M30 x 1,5mm). Outflows with 3/4" MT euro cone suitable for olive-type tube fittings, incl. union nuts 1 1/4" FT, flat-sealing for direct connection to supply and return by means of screwed joint. Incl. 2 vent plugs, nickel-plated, incl. 2 end plugs, nickel-plated, incl. 2 rotatable filling and draining valves 1/2", nickel-plated, incl. stable wall brackets with sound insulation insert according to DIN 52218, complete with screws and dowels, incl. 1 set heating circuit labeling tags with marking for supply and return part, loosely packaged in a cardboard box in a space-saving manner, checked for leak-tightness in the factory. High flow rate due to extended cross-section, without olive-type tube fittings and ball valves.

Together with a 1 1/4" FT x 1 1/4" MT ball valve (art. no. 51.903.003) the manifold can also be used as industrial panel heating distributor. Maximum flow per distributor 4m³/h.

Flow meter



Description	Code	Qty/box	Net price €/piece
(1) Replacement flow meter	50.903.006	1 piece	5,98 €
(2) Taconova flow meter	50.903.106	1 piece	6,80 €

Attention: If FFM (1) is substituted through FFM (2) it is necessary to adjust the pipe connection nipple at the bottom part.

Manifold stainless steel 1 1/4"



Description	Code	Length mm	Qty/box	Net price €/piece
2 Circuits	50.920.002	190	1 piece	45,32 €
3 Circuits	50.920.003	240	1 piece	54,39 €
4 Circuits	50.920.004	290	1 piece	63,45 €
5 Circuits	50.920.005	340	1 piece	72,52 €
6 Circuits	50.920.006	390	1 piece	81,58 €
7 Circuits	50.920.007	440	1 piece	90,64 €
8 Circuits	50.920.008	490	1 piece	100,94 €
9 Circuits	50.920.009	540	1 piece	109,60 €
10 Circuits	50.920.010	590	1 piece	119,48 €
11 Circuits	50.920.011	640	1 piece	129,37 €
12 Circuits	50.920.012	690	1 piece	138,44 €

Made of stainless steel with union nut (flat-sealing connection) consisting of:

Supply part with integrated flow volume limiter per heating circuit, adjustable by means of percentage scale, lockable. Return part with valve inserts and unscrewable protection caps for accepting actuators (M30 x 1,5mm). Outflows with 3/4" MT euro suitable for olive-type tube fittings, incl. union nuts 1 1/4" FT, flat-sealing for direct connection to supply and return by means of screwed joint. Incl. 2 vent plugs, nickel-plated, incl. 2 end plugs, nickel-plated, incl. 2 rotatable filling and draining valves 1/2", nickel-plated. Incl. stable wall brackets with sound insulation insert according to DIN 52218, complete with screws and dowels, incl. 1 set heating circuit labeling tags with marking for supply and return part, loosely packaged in a cardboard box in a space-saving manner, checked for leak-tightness in the factory. High flow rate due to extended cross-section, without olive-type tube fittings and ball valves.

Ball valve



Description	Code	Qty/box	Net price €/piece
Ball valve 1" FT x 1 1/4" MT	50.903.003	2 pieces	6,59 €
Ball valve 1" FT x 1 1/4" MT edge	50.903.004	2 pieces	8,12 €
Ball valve 1 1/4" FT x 1 1/4" MT 1 1/4"	51.903.003	2 pieces	10,18 €

Heat volume counter connection set, horizontal



Description	Code	Qty/box	Net price €/piece
1 1/4"	50.903.008	1 piece	37,70 €

Heat volume counter connection set, horizontal. Suitable for the connection to a manifold with union nuts.

Set consists of:

- Two ball valves made of brass, 3/4" FT x union nut for the installation at the meter, sealable
- Fitting part for the installation at the meter, 110mm long, 3/4" MT
- FT for the sensor 1/2" FT

Heat volume counter connection set, vertical



Description	Code	Qty/box	Net price €/piece
1 1/4"	50.903.009	1 piece	37,70 €

Heat volume counter connection set, vertical. Suitable for the connection to a manifold with union nuts.

Set consists of:

- Two ball valves made of brass, 3/4" FT x union nut for the installation at the meter, sealable
- Fitting part for the installation at the meter 110mm long, 3/4" MT
- FT for the sensor 1/2" FT

Constant control kit



Figure similar

Description	Code	Qty/box	Net price €/piece
Constant control kit	50.903.048	1 piece	255,44 €

One-piece control station for a maximum transmittable power of 10kW ($\Delta t=10K$) or a maximum volume flow of 1,3m³/h.


Consists of: mixing valve, circulation pump, safety temperature limiter, two ball valves, 1 1/4" connections

- Pump Wilo-Yonos Para S 25/6
- Area of application Q max. 1,3m³/h
- Area of application H 3,5mWs
- Nominal voltage 230V
- Max. operating temperature 90°C
- Max. operating pressure 6bar

When using a constant control kit the manifold cabinet size has to be extended by one dimension.

Assembly of the fixed value controller only in connection with art. no. 50.903.015 and art. no. 50.903.059.

optional accessories:

 flow indicator	50.903.049	1 piece	28,00 €
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Manifold stainless steel 1" NEO



Description	Code	Length mm	Qty/box	Net price €/piece
2 Circuits	50.960.002	219	1 piece	43,68 €
3 Circuits	50.960.003	270	1 piece	51,09 €
4 Circuits	50.960.004	319	1 piece	60,57 €
5 Circuits	50.960.005	369	1 piece	66,54 €
6 Circuits	50.960.006	419	1 piece	80,76 €
7 Circuits	50.960.007	469	1 piece	92,70 €
8 Circuits	50.960.008	519	1 piece	105,06 €
9 Circuits	50.960.009	569	1 piece	115,98 €
10 Circuits	50.960.010	619	1 piece	126,90 €
11 Circuits	50.960.011	669	1 piece	135,96 €
12 Circuits	50.960.012	719	1 piece	145,85 €
13 Circuits	50.960.013	769	1 piece	158,00 €
14 Circuits	50.960.014	819	1 piece	168,80 €
15 Circuits	50.960.015	869	1 piece	180,00 €

NEW

Heating circuit distributor made of stainless steel with union nut (flat-sealing connection 1") consisting of:

Supply part with one integrated flow controller (type Taconova) per heating circuit for the exact adjustment of the flow rate without tool. Through the inspection window you can read off the flowing water volume. Display value 0 to 0,5l/min. Return part with valve inserts and unscrewable protection caps for accepting actuators (M30 x 1,5mm). Outflows with 3/4" MT euro cone.

Suitable for olive-type tube fittings, incl. union nuts 1" FT, flat-sealing for direct connection to supply and return by means of screwed joint. Incl. 2 rotatable filling and draining valves 1/2", nickel-plated, incl. stable wall brackets with sound insulation insert, complete with screws and dowels, incl. 1 set heating circuit labeling tags with marking for supply and return part, loosely packaged in a cardboard box in a space-saving manner, checked for leak-tightness in the factory.

Ball valve NEO



Description	Code	Qty/box	Net price €/piece
NEO Ball valve 1" FT x 1" MT	50.903.002	2 pieces	6,59 €
NEO Ball valve 1" FT x 1" edge	50.903.043	2 pieces	7,75 €

Heat volume counter connection set, horizontal NEO



Description	Code	Qty/box	Net price €/piece
1" NEO	50.903.069	1 piece	37,70 €

Heat volume counter connection set, horizontal. Suitable for the connection to a manifold with union nuts.

Consisting of:

- Two ball valves made of brass, 3/4" FT x union nut for the installation at the meter, sealable
- Fitting part for the installation at the meter, 110mm long, 3/4" MT
- FT for the sensor 1/2" FT

Heat volume counter connection set, vertical NEO



Description	Code	Qty/box	Net price €/piece
1" NEO	50.903.068	1 piece	37,70 €

Heat volume counter connection set, vertical. Suitable for the connection to a manifold with union nuts.

Consisting of:

- Two ball valves made of brass, 3/4" FT x union nut for the installation at the meter, sealable
- Fitting part for the installation at the meter 110mm long, 3/4" MT
- FT for the sensor 1/2" FT

Constant control kit NEO



Figure similar



Description	Code	Qty/box	Net price €/piece
Constant control kit NEO	50.903.047	1 piece	255,44 €

One-piece control station for a maximum transmittable power of 10kW ($\Delta t=10K$) or a maximum volume flow of 1,3m³/h.

Consists of: mixing valve, circulation pump, safety temperature limiter, two ball valves, 1" connections

- Pump Wilo-Yonos Para S 25/6
- Area of application Q max. 1,3m³/h
- Area of application H 3,5mWs
- Nominal voltage 230V
- Max. operating temperature 90°C
- Max. operating pressure 6bar

When using a constant control kit the manifold cabinet size has to be extended by one dimension. Assembly of the fixed value controller only in connection with art. no. 50.903.015 and art. no. 50.903.059.

optional accessories:

flow indicator	50.903.049	1 piece	28,00 €
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Compression fitting made of brass, nickel-plated



Description	Code	Qty/box	Net price €/piece
14 x 2,0 x 3/4"	70.709.069	2 pieces	1,12 €
16 x 1,5 x 3/4"	70.709.060	2 pieces	1,12 €
16 x 2,0 x 3/4"	70.709.061	2 pieces	1,12 €
17 x 2,0 x 3/4"	70.709.063	2 pieces	1,16 €
18 x 2,0 x 3/4"	70.709.078	2 pieces	1,20 €
20 x 2,0 x 3/4"	70.709.071	2 pieces	1,32 €

Galvanised compression fitting made of brass to connect underfloor heating pipes and manifolds or valves (both with 3/4" euro cone).

Connection nipple for manifold



Description	Code	Qty/box	Net price €/piece
G1" x G1 1/4" flat sealing	50.903.070	2 pieces	2,48 €

Nickel-plated nipple made of brass.

Coupling nipple euro cone



Description	Code	Qty/box	Net price €/piece
3/4" / 3/4"	70.709.070	5 pieces	1,61 €

Nickel-plated nipple made of brass with 3/4" euro cone (according to DIN V 3838).

Distribution cabinet on-wall



Description	Code	width (mm)	Qty/box	Net price €/piece
Distribution cabinet on-wall 2 - 5	50.922.002	552	1 piece	32,00 €
Distribution cabinet on-wall 6 - 8	50.922.003	802	1 piece	38,00 €
Distribution cabinet on-wall 9 - 11	50.922.004	952	1 piece	43,20 €
Distribution cabinet on-wall 12 - 14	50.922.005	1102	1 piece	48,00 €

On-wall distribution cabinet made of steel with removable door, also made of steel. Fastening bar installed on the rear wall. Powder coated RAL 9010. Removable screed deflector plate. Height-adjustable cabinet feet 0 - 70mm.

- Depth: 125mm
- Height: 565 - 635mm

Distribution cabinet in-wall 110 - 140mm deep



110 - 140 mm

Description	Code	width (mm)	Qty/box	Net price €/piece
Distribution cabinet in-wall 2 - 5	50.911.002	449	1 piece	40,00 €
Distribution cabinet in-wall 6 - 8	50.911.003	684	1 piece	50,00 €
Distribution cabinet in-wall 9 - 11	50.911.004	834	1 piece	55,20 €
Distribution cabinet in-wall 12 - 14	50.911.005	984	1 piece	60,80 €
Distribution cabinet in-wall 15 - 16	50.911.006	1134	1 piece	68,80 €



In-wall distribution cabinet made of steel with removable door, also made of steel. Fastening bar installed on the rear wall. Powder coated RAL 9010. Removable screed deflector plate. Height-adjustable cabinet feet 0 - 70mm.

- Depth: 110 - 140mm
- Height: 708 - 778mm
- Without a cabinet lock

Lock for distribution cabinet	50.911.001		1 piece	4,08 €
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Distribution cabinet in-wall 110 - 140mm deep with DIN rail



110 - 140 mm

Description	Code	width (mm)	Qty/box	Net price €/piece
Distribution cabinet in-wall 5 - 9	50.911.013	684	1 piece	68,00 €
Distribution cabinet in-wall 10 - 12	50.911.014	834	1 piece	76,00 €
Distribution cabinet in-wall 13 - 14	50.911.015	984	1 piece	84,00 €



In-wall distribution cabinet with cap rail made of steel with removable door, also made of steel. Fastening bar installed on the rear wall. Powder coated RAL 9010. Removable screed deflector plate. Height-adjustable cabinet feet 0 - 180mm. DIN rail for mounting Maincor terminal strips.

- Depth: 110 - 140mm
- Height: 846 - 1.026mm
- Without a cabinet lock

Lock for distribution cabinet	50.911.001		1 piece	4,08 €
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Distribution cabinet in-wall 80mm deep



80 mm

Description	Code	width (mm)	Qty/box	Net price €/piece
Distribution cabinet in-wall 2 - 5	50.933.002	449	1 piece	38,00 €
Distribution cabinet in-wall 6 - 8	50.933.003	684	1 piece	47,20 €
Distribution cabinet in-wall 9 - 11	50.933.004	834	1 piece	53,20 €
Distribution cabinet in-wall 12 - 14	50.933.005	984	1 piece	59,20 €



In-wall distribution cabinet made of steel with removable door, also made of steel. Fastening bar installed on the rear wall. Powder coated RAL 9010. Removable screed deflector plate. Height-adjustable cabinet feet 0 - 70mm.

- Depth: 80mm
- Height: 708 - 778mm
- Without a cabinet lock

Note: Not suitable for the use with a constant control kit.

Lock for distribution cabinet	50.911.001		1 piece	4,08 €
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Controls

Actuator 4.0



Description	Code	Qty/box	Net price €/piece
Actuator 230V	50.903.011	1 piece	7,63 €
Actuator 24V	50.903.111	1 piece	7,63 €
Adapter for actuator (replacement part)	50.903.344	1 piece	0,66 €

Small and compact structural shape, first open function, water protection according to protection type IP54. Also appropriate for overhead mounting. All around function indicator, valve adapter concept, snap-on installation, adaptation check on valve. 230V, wing nut M30 x 1,5mm, free cable head with cable and sleeves, length = 1m. Actuator is closed de-energized 230V AC 2W, power stroke 4mm. Dimensions: 64 x 50mm

Actuator NEO



Description	Code	Qty/box	Net price €/piece
Actuator 230V NEO	50.903.050	1 piece	7,11 €

Compact design with just 37mm for valve distance.

- Voltage: 230V
- Operating power: 2W
- Stroke: 4mm
- Electrical protection class: IP X4
- CE conformity: EN60730
- Connection thread: M30 x 1,5mm

Regulation-Box RTL white 15 1/2"



Description	Code	Qty/box	Net price €/piece
Regulation-Box RTL white 15 1/2"	50.903.107	1 piece	36,97 €

The regulation box is used to control the return flow temperature of panel heating systems. The control box consists of a flush-mounted box with premounted valve block with room thermostat, protective cover, ventilation valve, thermostat head and wall cover. The valve block has a 3/4" MT (euro cone) for tube-side connection with compression fitting.

Controller on-wall (for heating)



Description	Code	Qty/box	Net price €/piece
230V	50.903.012	1 piece	7,42 €
24V	51.903.012	1 piece	7,42 €

Room control thermostat for wall fastening. Suitable for the control of central warm water underfloor heating in connection with thermal actuators.

- Set value adjustment
- Easy, intuitive installation
- Slim and compact design (86 x 86 x 22mm)

Controller on-wall (for heating / cooling)



Description	Code	Qty/box	Net price €/piece
230V	50.903.016	1 piece	16,32 €
24V	51.903.016	1 piece	16,32 €

Room control thermostat for wall fastening. Suitable for the control of central warm water underfloor heating in connection with thermal actuators.

The switch between the two operating modes is automatically carried out via the change-over input. If required, the cooling function on the device can be prevented for a particular room (e.g. a bathroom). In this version the control has a frost and a valve protection function.

- Set value adjustment
- Easy, intuitive installation
- Frost and valve protection
- Slim and compact design (86 x 86 x 22mm)

Controller in-wall 50 x 50mm



Description	Code	Qty/box	Net price €/piece
Controller in-wall 50 x 50mm	50.903.013	1 piece	25,03 €

Room control thermostat for wall fastening. Suitable for the control of central warm water underfloor heating in connection with thermal actuators.

Digital Controller "Standard 4.0" (for heating)



Description	Code	Qty/box	Net price €/piece
230V	50.903.113	1 piece	17,31 €
24V	51.903.113	1 piece	17,31 €

Room control thermostat suitable for common switch ranges for flush mounting. Suitable for the control of central warm water underfloor heating in connection with thermal actuators.

- Target temperature adjustable in 0,5k increments
- Easy and intuitive navigation with a rotary-push mechanism

Digital Controller "Control 4.0" (for heating / cooling)



Description	Code	Qty/box	Net price €/piece
230V	50.903.114	1 piece	38,73 €
24V	51.903.114	1 piece	38,73 €
External temperature sensor	50.903.056	1 piece	9,48 €

Room control thermostat suitable for common switch ranges for flush mounting. Suitable for the control of central warm water underfloor heating in connection with thermal actuators.

- Target temperature adjustable in 0,5k increments
- Easy and intuitive navigation with a rotary-push mechanism
- Adjustable temperature reduction
- Internal weekly time switch
- Frost and valve protection function
- Smart Start / Smart Stop function

Terminal strip "Standard 4.0" (for heating)



Description	Code	Qty/box	Net price €/piece
24V / 230V 6 zones	50.903.014	1 piece	25,96 €
24V / 230V 10 zones	50.903.045	1 piece	28,02 €
Connection for terminal strip 230V *	50.903.054	1 piece	1,57 €
External system clock 2 channel	50.903.055	1 piece	90,64 €
Safety transformer 24V *	51.903.047	1 piece	19,78 €

Terminal strip for professional connection of temperature controllers and electro-thermal actuators in connection with warm water underfloor heating circuits.

Easy, intuitive installation with a screwless clamping method.

Maximum amount of actuators that can be connected:

- 6 zones: 15 actuators
- 10 zones: 18 actuators

* The connection for terminal strip 230V or alternatively the safety transformer has to be ordered

Terminal strip "Standard Plus" (for heating / cooling)



Description	Code	Qty/box	Net price €/piece
230V 6 zones	50.903.015	1 piece	30,49 €
230V 10 zones	50.903.059	1 piece	35,02 €
24V 6 zones	51.903.015	1 piece	30,49 €
24V 10 zones	51.903.059	1 piece	35,02 €
Connection for terminal strip 230V *	50.903.054	1 piece	1,57 €
External system clock 2 channel	50.903.055	1 piece	90,64 €
Safety transformer 24V *	51.903.047	1 piece	19,78 €

Terminal strip for professional connection of temperature controllers and electro-thermal actuators in connection with warm water underfloor heating circuits.

- Easy, intuitive installation with a screwless clamping method.
- Input for temperature limiter / dew point sensor
- Pump control

Maximum amount of actuators that can be connected:

- 6 zones: 15 actuators
- 10 zones: 18 actuators

* The connection for terminal strip 230V or alternatively the safety transformer has to be ordered

Wireless controller on-wall smart NEO



Description	Code	Qty/box	Net price €/piece
analog	50.950.030	1 piece	34,00 €

Battery-operated room control thermostat for wall fastening.

Wireless controller on-wall digital smart NEO



Description	Code	Qty/box	Net price €/piece
digital on-wall	50.950.033	1 piece	48,00 €

Battery-operated room control thermostat for wall fastening.
Displaying of temperature and humidity. Heating and cooling profiles programmable.

Wireless controller in-wall digital smart NEO



Description	Code	Qty/box	Net price €/piece
digital in-wall	50.950.013	1 piece	48,00 €

Battery-operated room control thermostat for wall fastening.
Displaying of temperature and humidity. Heating and cooling profiles programmable.

Wireless terminal strip smart NEO



Description	Code	Qty/box	Net price €/piece
6 zones	50.950.031	1 piece	100,00 €
10 zones	50.950.032	1 piece	126,00 €
Connection for terminal strip 230V *	50.903.054	1 piece	1,57 €

Terminal strip for connecting the wireless controllers to the underfloor heating systems. Including pump control.

* The connection for terminal strip 230V has to be ordered separately!

NOTE:

A wireless underfloor heating system can be built up with the items above together with Maincor actuators. The system can be extended with the Multi I/O box if further functions like boiler control, humidity control, external / internal (pilot function) switch of heating / cooling; dew point monitoring, temperature limitation or

Multi I/O box smart NEO



Description	Code	Qty/box	Net price €/piece
Multi I/O box	50.950.050	1 piece	68,00 €

Optional system extension to provide additional functions and connection possibilities for various sensors. Wireless communication to the terminal strip, so the box can be installed everywhere.

NOTE:

The Multi I/O box can be connected with the access point below which establishes the connection with a cloud server in the internet. The communication with further smart NEO components is made wireless. The data transmission is done with a safe AES 128 bit encryption.

Access point



Description	Code	Qty/box	Net price €/piece
Access point	50.950.051	1 piece	48,00 €

NOTE:

All smart NEO components can be controlled via the "Alpha IP" app. The app can be downloaded in the Apple App Store or in the Google Play Store for free. It is also possible to integrate it into Google Home or Amazon Echo.

Thermostatic radiator valve smart NEO



Description	Code	Qty/box	Net price €/piece
Thermostatic radiator valve	50.950.052	1 piece	46,00 €

Wireless thermostatic radiator valve which replaces the manual thermostat. It can be controlled via the app

Window contact smart NEO



Description	Code	Qty/box	Net price €/piece
Window contact	50.950.053	1 piece	28,80 €

With window contacts the system can react to open windows and switch off radiators or adapt the underfloor

Wall mounted switch (double) smart NEO



Description	Code	Qty/box	Net price €/piece
Wall mounted switch	50.950.054	1 piece	38,00 €

This multifunction wireless switch can be assigned freely to the system. It can switch the function mode (heating/ cooling) centrally or it can even switch the wireless socket below.

Pluggable socket smart NEO



Description	Code	Qty/box	Net price €/piece
Wall mounted socket	50.950.055	1 piece	38,00 €

This socket can be integrated into the system to switch on electric devices like for instance a towel heating radiator. So only one thermostat is needed to switch on the underfloor heating and the towel

NOTE:

With the wall mounted switch and the pluggable socket the system can be extended with further electronic devices.

The system can be extended with any further components and functions like controlling of lights, air, alarm

Tools

Manual compression tool Lockring



Description	Code	Qty/box	Net price €/piece
Manual compression tool Lockring	60.950.102	1 piece	200,00 €
Sliding jaw kit Lockring DIM 10	60.950.182	1 piece	25,00 €
Sliding jaw kit Lockring DIM 16 + DIM 17	60.950.177	1 piece	62,00 €
Sliding jaw kit Lockring DIM 20	60.950.178	1 piece	62,00 €
Case for manual compression tool Lockring	60.950.181	1 piece	65,00 €

Manual expansion tool



Description	Code	Qty/box	Net price €/piece
Manual expansion tool	60.950.030	1 piece	62,00 €
Expansion head DIM 10	60.950.183	1 piece	55,00 €
Expansion head DIM 16	60.950.031	1 piece	35,00 €
Expansion head DIM 17	60.950.131	1 piece	35,00 €
Expansion head DIM 20	60.950.132	1 piece	49,00 €

Stapler DIM 14 / 16 / 17



Description	Code	Qty/box	Net price €/piece
Stapler DIM 14 / 16 / 17	TG.220.207	1 piece	75,00 €

Decoiler



Description	Code	Qty/box	Net price €/piece
Decoiler	60.950.051	1 piece	189,00 €

Foldaway decoiler, carrying capacity up to 170kg, adjustable for every pipe diameter, over-jump protection element, brake and bottom attachment. External diameter up to 1.150mm, coil height up to

Adapter for pipe straightening and guidance	60.950.251	1 piece	15,00 €
Pipe straightening	60.950.151	1 piece	180,00 €
Pipe guidance	60.950.351	1 piece	18,00 €

Tape dispenser



Description	Code	Qty/box	Net price €/piece
Tape dispenser	60.950.052	1 piece	18,00 €

Hot cutting tool



Description	Code	Qty / unit	Qty/box	Net price €/piece
Hot cutting tool	51.903.039		1 piece	99,00 €

Polystyrene cutter for the ex post construction of pipe guides (DIM 16) in insulation plates.