



Thermotech underfloor heating

Thermotech



Assortment and pricelist

2010

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Thermotech Company Group
www.thermotech.eu

Dealer network

Information about Dealer network

The Thermotech Company Group has its head office in Sweden. All over Europe we work with trade representatives, certified dealers and partners.

Trade Representative

A legal body (or an individual businessman) that regularly, within a period of no less than 2 years, are buying products from Thermotech on the basis of a purchase contract.

Certified dealer

A legal body (or an individual businessman), who made a dealer contract with Thermotech and who has the corresponding certificate of an authorized dealer.

National partner

A legal body who worked no less than three years as a dealer of Thermotech, who carries out his activity in a large regional (national) market, who has his own branched dealer network and who made a partnership contract with Thermotech.

Terms of delivery

General terms of delivery: EXW, FCA or DDU as agreed
Terms of payment: As agreed

Any prices mentioned are excluding VAT unless stated otherwise. Thermotech reserves the right to change without notice.



Thermotech Scandinavia AB fulfill the ISO standards for quality- and environment management.





Thermotech PE-RT pipes

Picture

Product information

Product ID

Price €



Thermotech PE-RT pipe >MIDI< Composite® 12 x 2 mm

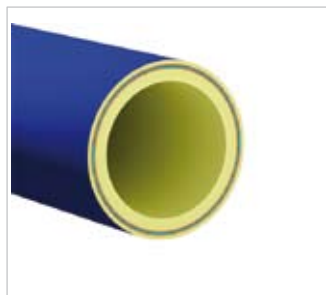
A 5-layer pipe with an oxygentight diffusion barrier.
Suitable for all types of underfloor heating installations.

| Lenght/roll: | | Product ID | Price per roll |
|--------------|---------|------------|----------------|
| | 50 m | 20012-050 | € 73 |
| | 70 m | 20012-070 | € 101 |
| | 1.000 m | 20012-1000 | € 1430 |

Material consumption:

| | |
|----------------------------------|-------------------------------------|
| c/c 200 (Floating floors) | 5,3-6,0 m/m ² floor area |
| c/c 150 (Slab-on-grade concrete) | 7,0-8,0 m/m ² floor area |

Colour: Blue



Thermotech PE-RT pipe >MIDI< Composite® 17 x 2 mm

A 5-layer pipe with an oxygentight diffusion barrier.
Suitable for all types of underfloor heating installations.

| Lenght/roll: | | Product ID | Price per roll |
|--------------|-------|------------|----------------|
| | 70 m | 20090-070 | € 117 |
| | 140 m | 20090-140 | € 233 |
| | 240 m | 20090-240 | € 399 |
| | 350 m | 20090-350 | € 580 |
| | 650 m | 20090-650 | € 1071 |

Material consumption:

| | |
|---------|-------------------------------------|
| c/c 300 | 4,0-4,5 m/m ² floor area |
| c/c 200 | 5,5-6,0 m/m ² floor area |
| c/c 150 | 7,0-8,0 m/m ² floor area |

Colour: Blue

Thermotech PE-RT pipe >MIDI< Composite® 20 x 2 mm

A 5-layer pipe with an oxygentight diffusion barrier.
Suitable for all types of underfloor heating installations.

| Lenght/roll: | | Product ID | Price per roll |
|--------------|-------|------------|----------------|
| | 240 m | 20060-240 | € 485 |
| | 450 m | 20060-450 | € 902 |

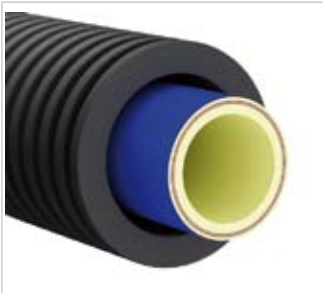

When ordering more than 5.000m of pipe you can get
the lenghts of the roll into line with your needs.

Material consumption:


| | |
|---------|-------------------------------------|
| c/c 300 | 4,0-4,5 m/m ² floor area |
| c/c 150 | 7,0-8,0 m/m ² floor area |

Colour: Blue


Thermotech PE-RT pipes

| Picture | Product information | Product ID | Price € |
|---|---|-------------------------------------|-----------------------|
| | <p>Thermotech PE-RT pipe >MIDI< Composite® 25 x 2,3 mm A 5-layer pipe with an oxygentight diffusion barrier. Suitable as feed pipe when connecting the heat source or mixing unit to the manifold. Normally used when underfloor heating is installed in large industrial halls or at snow melting installations.</p> | | |
| | Lenght/roll: | 350 m | 20070-025 |
| | Delivered: | In individual units | € 2,90 per m |
| | Colour: | Blue | |
| | <p>Thermotech PE-RT pipe >MIDI< Composite® 32 x 3,0 mm A 5-layer pipe with an oxygentight diffusion barrier. Suitable as feed pipe when connecting the heat source or mixing unit to the manifold. Normally used when underfloor heating is installed in large industrial halls or at snow melting installations.</p> | | |
| | Lenght/roll: | 50 m 100 m | 20032-50 20032-100 |
| | Delivery: | In individual units | Price per roll |
| | Colour: | Blue | € 270 € 535 |
|  | <p>Thermotech PE-RT pipe >MIDI< Composite® Feed pipe (Pipe-in-pipe) A pipe with an oxygentight diffusion barrier. Suitable as feed pipe when connecting the heat source or mixing unit to the manifold. The pipe has a special protective tubing.</p> | | |
| | Dimension | Lenght/roll | Price per roll |
| | 25 x 2,3 mm | 25 m | € 124 |
| | 25 x 2,3 mm | 50 m | € 245 |
| | 32 x 3,0 mm | 25 m | € 207 |
| | 32 x 3,0 mm | 50 m | € 408 |
|  | <p>Thermotech pipe for snow melting 25 x 2,3 mm A pipe suitable for snow melting installations. When ordering more than 5.000m of pipe you can get the lengths of the roll into line with your needs.</p> | | |
| | Material consumption: | 4 - 4,2 m/m ² at c/c 250 | 20050-025 |
| | Delivery: | In individual units | € 2,65 per meter |
| | Colour: | White | |

Aluminium plates

| Picture | Product information | Product ID | Price € |
|---|---|------------|-----------------|
|  | <p>Thermotech Aluminium plate 17 c/c 150 0.5 x 145 x 1150 mm</p> <p>Aluminium plates for Thermotech PE-RT pipes 17 x 2 mm with break lines at 330/110/440/270 mm.</p> <p>Material consumption: 5 plates/m² (at c/c 150 mm) Delivery: 400 st/pallet or in individual units</p> <p>Incl. in package: 20142-15, 20141-3015, 20141-5015 och 20141-7015</p> <p>Used for spaced mounting and wooden systems.</p> | 20101-8 | € 4,50 per unit |
|  | <p>Thermotech Aluminium plate 17 c/c 200 0.5 x 190 x 1150 mm</p> <p>Aluminium plates for Thermotech PE-RT pipes 17 x 2 mm with break lines at 330/110/440/270 mm.</p> <p>Material consumption: 4 plates/m² (at c/c 200 mm) Delivery: In individual units</p> <p>Used for spaced mounting and wooden systems.</p> | 20101-4 | € 5 per unit |
|  | <p>Thermotech Aluminium plate 17 c/c 300 0.5 x 270 x 1150 mm</p> <p>Aluminium plates for Thermotech PE-RT pipes 17 x 2 mm with break lines at 330/110/440/270 mm.</p> <p>Material consumption: 2.5 plates/m² (at c/c 300 mm) Delivery: 40 units/carton or in individual units. There are 8 cartons/pallet.</p> <p>Incl. in package: 20141-30, 20141-50, 20141-70, 20142-30 och 20141-7015</p> <p>Used for spaced mounting and wooden systems.</p> | 20101-3 | € 6 per unit |
|  | <p>Thermotech Aluminium plate 12 c/c 200 0.5 x 180 x 1150 mm</p> <p>Aluminium plates for Thermotech PE-RT pipes 12 x 2 mm with break lines at 330/110/440/270 mm.</p> <p>Material consumption: 4.2 plates/m² (at c/c 200 mm) Delivery: In individual units</p> <p>Used for spaced mounting and wooden systems.</p> | 20101-7 | € 6 per unit |





Aluminium plates

| Picture | Product information | Product ID | Price € |
|---|---|------------|-----------------|
|  | <p>Thermotech Aluminium plate 20 c/c 300 0.5 x 270 x 1150 mm</p> <p>Aluminium plates for Thermotech PE-RT pipes 20 x 2 mm with break lines at 330/110/440/270 mm.</p> <p>Material consumption: 2.5 plates/m² (at c/c 300 mm) Delivery: In individual units</p> <p>Used for spaced mounting.</p> | 20101-2 | € 6,30 per unit |



Heat conducting aluminium plates, Minifloor 8™


Slab-on-grade concrete systems

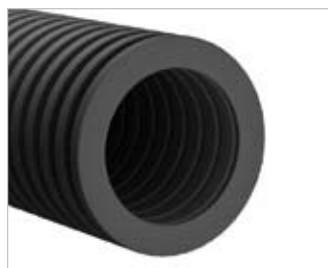
| Picture | Product information | Product ID | Price € |
|---|--|----------------------------------|---|
|  | Thermotech Pipe ties Plastic ties used to fix the Thermotech PE-RT pipes to a welded wire mesh. | | |
| | 2,5 x 98 mm 4,8 x 200 mm Delivery: 100 per pack | 20160 20131 | Per pack € 1,10 € 4,80 |
|  | Thermotech Foam pads 8 x 120 mm Pads of foam plastic. In double layer cast installations, foam pads should be installed alongside all the walls and solid objects to absorb expansions in the concrete slab. | 20132 | € 1,75 per roll |
| | Delivery: 50 m/roll Volume: 0,09 m ³ /roll | | |
|  | Thermotech Clips Clips to fasten Thermotech PE-RT pipes directly on to wooden foundation. | | |
| | Size: 8 mm 12 mm 17 mm Delivery: 100 per pack | 20150-08 20150-12 20150-17 | Per pack € 5,50 € 8,50 € 11,50 |
|  | Thermotech Pipe pins Plastic nails with a U-shaped pipe holder for fastening Thermotech PE-RT pipes to polystyrene thermal insulation foundation. The foundation has to be at least 100 mm thick. | | |
| | Pipe pin for 16-18 mm Thermotech PE-RT pipes Length: 100 mm Material consumption: 5 units/m ² Delivery: 100 or 400 units/carton | 20136-17 | € 0,27 per unit |
| | Pipe pin for 20 mm Thermotech PE-RT pipes Length: 100 mm Material consumption: 5 units/m ² Delivery: 400 units/carton or in individual units | 20136-20 | € 0,27 per unit |

Slab-on-grade concrete systems

| Picture | Product information | Product ID | Price € |
|---|--|------------|--------------|
|  | <p>Thermotech Clip rail The plastic clip rail is installed on the foundation and the Thermotech PE-RT pipes are pushed down in the clip rail's grooves.</p> <p>On polystyrene foundation the clip rails are fastened with a plastic staple (20133-45 or 20133-65). On concrete foundations the clip rails are fastened using a bolt gun or plug and screw.</p> <p>The c/c measurement can be varied every 5th cm.</p> <p>Delivery: 32 m/bundle or in individual units</p> | | |
| | <p>Clip rail 12 For fastening Thermotech PE-RT pipes 12 x 2 mm.</p> <p>Lenght: 2 m Material consumption: 1.2 m/m² at c/c 150</p> | 20133-12 | € 2,30 per m |
| | <p>Clip rail 17 For fastening Thermotech PE-RT pipes 17 x 2 mm.</p> <p>Lenght: 2 m Material consumption: 0.8 m/m² at c/c 300 and normal installation</p> | 20133-17 | € 2,30 per m |
| | <p>Clip rail 25 For fastening Thermotech PE-RT pipes 25 x 2.3 mm.</p> <p>Lenght: 4 m Material consumption: 0.3-0.4 m/m² at c/c 400</p> | 20133-25 | € 6,20 per m |
|  | <p>Thermotech Clip rail 16-20 Plastic clip rail for fastening Thermotech PE-RT pipes with a diameter of 16-20 mm.</p> <p>Lenght: 1 m Material consumption: 0.8 m/m² at c/c 300 Delivery: 10 m/bundle or in individual units</p> | 20133-20 | € 3,10 per m |

Slab-on-grade concrete systems

| Picture | Product information | Product ID | Price € |
|---|--|------------|-----------------|
|  | <p>Thermotech Staple for clip rail Plastic staple for fastening clip rail 12, 16-20, 17 or 25 to polystyrene thermal insulation foundation.</p> | | |
| | <p>Staple 65 mm Lenght of leg: 65 mm Material consumption: 2-3 per clip rail Delivery: 100 or 200 per pack</p> | 20133-65 | € 0,07 per unit |
| | <p>Staple 45 mm Lenght of leg: 45 mm Material consumption: 2-3 per clip rail Delivery: 100 per pack or 5 000 per carton</p> | 20133-45 | € 0,10 per unit |



Thermotech Protective tubing




Corrugated plastic protective tubing that is used where the pipes pass through expansion joints in the concrete slab.

| Pipe dimension | Dy/Di | Size of roll | | |
|----------------|-------|--------------|-------|--------------|
| 17 mm | 25/19 | 50 m | 20905 | € 0,80 per m |
| 25 mm | 34/29 | 25 m | 20906 | € 1,30 per m |
| 32 mm | 42/36 | 25 m | 20907 | € 1,70 per m |






Installation of slab-on-grade concrete system, The Saint Andrey's Kritsky temple in St. Petersburg



Floating floor 18

| Picture | Product information | Product ID | Price € |
|---|---|--------------------|-----------------|
|  | <p>Thermotech Floating floor 18 c/c 300 (m²-price)</p> <p>Complete material for floating installation on existing floor.</p> <p>Includes product-ID: 20110-18600, 20111-18, 20118 och 20090-xx (xx refer to the size of the roll of pipe in meters).</p> <p>Building height: 18 mm C/c-measurement: 300 mm Compressive strength: EPS 300 kPa</p> | 20141-1830 Package | Offer |
| | <p>Thermotech Floating floor c/c 160 (m²-price)</p> <p>Complete material for floating installation on existing floor.</p> <p>Includes product-ID: 20110-18320, 20111-18150, 20118 och 20090-xx (xx refer to the size of the roll of pipe in meters).</p> <p>Building height: 18 mm C/c-measurement: 160 mm Compressive strength: EPS 300 kPa</p> | 20141-1815 Package | Offer |
|  | <p>Thermotech Floating floor 18/600 - Pre-grooved panel c/c 300 18 x 600 x 1150 mm</p> <p>Plates of aluminium joined together with polystyrene thermal insulation. Compressive strength 300 kPa. Two grooves for Thermotech PE-RT pipes with c/c-measurement 300 mm.</p> <p>It is suitable for new-builds and renovations and is installed on the existing floor.</p> <p>Delivery: 30 per pack or in individual units.</p> | 20110-18600 | € 20 per unit |
|  | <p>Thermotech Floating floor - Turn panel c/c 300 18 x 300 x 1200 mm</p> <p>Plate of polystyrene thermal insulation with two turnings with a c/c-measurement of 300 mm. The plate has a compressive strength of 300 kPa</p> <p>It is suitable for new-builds and renovations and is installed on the existing floor.</p> <p>Delivery: In individual units</p> | 20111-18 | € 3,70 per unit |



Floating floor 18

| Picture | Product information | Product ID | Price € |
|---|--|---|-------------------------|
|  | <p>Thermotech Floating floor 18 - Filling panel 18 x 278 x 1150 mm</p> <p>Plate of polystyrene thermal insulation for filling up along walls or areas where no heating is needed. The plate has a compressive strength of 300 kPa</p> <p>It is suitable for new-builds and renovations and is installed on the existing floor.</p> | <p>20118</p> <p>Included in package 20141-1830 and 20141-1815</p> | <p>€ 0,30 per unit</p> |
| | <p>Delivery: In individual units</p> | | |
|  | <p>Thermotech Floating floor 18/320 - Pre-grooved panel c/c 160 18 x 320 x 1150 mm</p> <p>Plates of aluminium joined together with polystyrene thermal insulation. Compressive strength 300 kPa. Two grooves for Thermotech PE-RT pipes with c/c-measurement 160 mm.</p> <p>It is suitable for new-builds and renovations and is installed on the existing floor.</p> | <p>20110-18320</p> <p>Included in package 20141-1815</p> | <p>€ 14,50 per unit</p> |
| | <p>Delivery: In individual units</p> | | |
|  | <p>Thermotech Floating floor 18/160 - Turn panel c/c 160 18 x 300 x 640 mm</p> <p>Plate of polystyrene thermal insulation with two turnings with a c/c-measurement of 160 mm. The plate has a compressive strength of 300 kPa</p> <p>It is suitable for new-builds and renovations and is installed on the existing floor.</p> | <p>20111-18150</p> <p>Included in package 20141-1815</p> | <p>€ 4,70 per unit</p> |
| | <p>Delivery: In individual units</p> | | |

Floating floor 30/50/70

| Picture | Product information | Product ID | Price € |
|---|---|------------|------------------|
|  | <p>Floating floor 30/50/70 - Pre-grooved panel c/c 300</p> <p>Pre-grooved panel of polystyrene thermal insulation. Compressive strength 200 kPa. Two grooves for Thermotech PE-RT pipes with c/c-measurement 300 mm.</p> <p>It is suitable for new-builds and renovations and is installed on the existing floor.</p> <p>Delivery: In individual units</p> | | |
| | <p>Pre-grooved panel Floating floor 30 30 x 600 x 1200 mm Included in package 20141-3030</p> | 20110-3030 | € 7,70 per unit |
| | <p>Pre-grooved panel Floating floor 50 50 x 600 x 1200 mm Included in package 20141-5030</p> | 20110-5030 | € 11,50 per unit |
| | <p>Pre-grooved panel Floating floor 70 70 x 600 x 1200 mm Included in package 20141-7030</p> | 20110-7030 | € 15,20 per unit |
|  | <p>Floating floor 30/50/70 - Turn panel c/c 300</p> <p>Pre-grooved turn panel of polystyrene thermal insulation. Compressive strength 200 kPa. Pre-grooved for two turnings and feed pipes with a c/c-measurement of 300 mm.</p> <p>It is suitable for new-builds and renovations and is installed on the existing floor.</p> <p>Delivery: In individual units</p> | | |
| | <p>Turn panel Floating floor 30 30 x 600 x 600 mm Included in package 20141-3030</p> | 20111-3030 | € 5,70 per unit |
| | <p>Turn panel Floating floor 50 50 x 600 x 600 mm Included in package 20141-5030</p> | 20111-5030 | € 9,90 per unit |
| | <p>Turn panel Floating floor 70 70 x 600 x 600 mm Included in package 20141-7030</p> | 20111-7030 | € 12,50 per unit |

Floating floor 30/50/70

| Picture | Product information | Product ID | Price € |
|---|---|------------|------------------|
|  | <p>Floating floor 30/50/70 - Pre-grooved panel c/c 150</p> <p>Pre-grooved panel of polystyrene thermal insulation. Compressive strength 200 kPa. Four parallel grooves for Thermotech PE-RT pipes with c/c-measurement 150 mm.</p> <p>It is suitable for new-builds and renovations and is installed on the existing floor.</p> <p>Delivery: In individual units</p> | | |
| | <p>Pre-grooved panel Floating floor 30 30 x 600 x 1200 mm Included in package 20141-3015</p> | 20110-3015 | € 8,50 per unit |
| | <p>Pre-grooved panel Floating floor 50 50 x 600 x 1200 mm Included in package 20141-5015</p> | 20110-5015 | € 11,90 per unit |
| | <p>Pre-grooved panel Floating floor 70 70 x 600 x 1200 mm Included in package 20141-7015</p> | 20110-7015 | € 15,60 per unit |
|  | <p>Floating floor 30/50/70 - Turn panel c/c 150</p> <p>Pre-grooved turn panel of polystyrene thermal insulation. Compressive strength 200 kPa. Pre-grooved for four turnings and feed pipes with a c/c-measurement of 150 mm.</p> <p>It is suitable for new-builds and renovations and is installed on the existing floor.</p> <p>Delivery: In individual units</p> | | |
| | <p>Turn panel Floating floor 30 30 x 600 x 600 mm Included in package 20141-3015</p> | 20111-3015 | € 6 per unit |
| | <p>Turn panel Floating floor 50 50 x 600 x 600 mm Included in package 20141-5015</p> | 20111-5015 | € 10,10 per unit |
| | <p>Turn panel Floating floor 70 70 x 600 x 600 mm Included in package 20141-7015</p> | 20111-7015 | € 12,50 per unit |

Floating floor 30/50/70

Picture

Product information

Product ID

Price €



Thermotech Floating floor 30/50/70 - Filling panel

Plate of polystyrene thermal insulation for filling up along walls or in areas where no heating is needed. The plate has a compressive strength of 200 kPa

It is suitable for new-builds and renovations and is installed on the existing floor.

Delivery: In individual units

Filling panel Floating floor 30

30 x 600 x 1 200 mm
Included in package 20141-3030 and 20141-3015

20110-30

€ 6 per unit

Filling panel Floating floor 50

50 x 600 x 1 200 mm
Included in package 20141-5030 and 20141-5015

20110-50

€ 9,50 per unit

Filling panel Floating floor 70

70 x 600 x 1 200 mm
Included in package 20141-7030 and 20141-7015

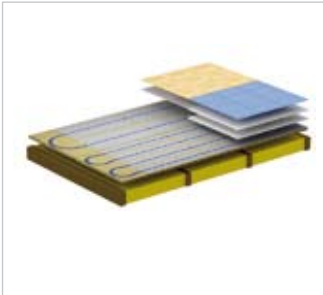

20110-70

€ 13,10 per unit







Installation of Thermotech Floating floor





Wooden systems

| Picture | Product information | Product ID | Price € |
|---|---|---|---------------|
|  | <p>Thermotech Wooden systems c/c 300 (m²-price)</p> <p>Complete material (c/c 300) for installation directly on wooden floor structures with a c/c-measurement of 600 mm.</p> <p>Includes product-ID: 20120-30, 20121, 20123, 20120, 20101-3 och 20090-xx*</p> <p>The wooden system is load-bearing.</p> <p>* xx refer to the size of the roll of pipe in meters</p> | 20142-30 Package | Offer |
| | <p>Thermotech Wooden systems c/c 150 (m²-price)</p> <p>Complete material (c/c 150) for installation directly on wooden floor structures with a c/c-measurement of 600 mm.</p> <p>Includes product-ID: 20120-15, 20121-15, 20123, 20120, 20101-8 och 20090-xx*</p> <p>The wooden system is load-bearing.</p> <p>* xx refer to the size of the roll of pipe in meters</p> | 20142-15 Package | Offer |
|  | <p>Wooden systems - Pre-grooved panel c/c 300 mm 22 x 600 x 2400 mm*</p> <p>Floor chipboards with two parallel grooves (c/c 300) for heat conducting aluminium plates and 17 x 2 mm Thermotech PE-RT pipes.</p> <p>It is suitable for new-builds and renovations and is installed directly on wooden floor structures with a c/c-measurement of 600 mm. The system is load-bearing.</p> <p>Delivery: 30 per pack or in individual units</p> <p>* The measurements do not include tongue and groove</p> | 20120-30 Included in package 20142-30 | € 29 per unit |
|  | <p>Wooden systems - Turn panel c/c 300 mm 22 x 600 x 600 mm</p> <p>Floor chipboard with a circle shaped groove for turning the pipe with c/c-measurement 300 mm.</p> <p>It is suitable for new-builds and renovations and is installed directly on wooden floor structures with a c/c-measurement of 600 mm. The system is load-bearing.</p> <p>Delivery: In individual units</p> | 20121 Included in package 20142-30 | € 9 per unit |

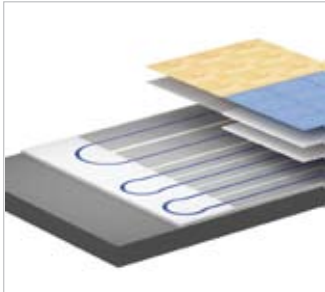
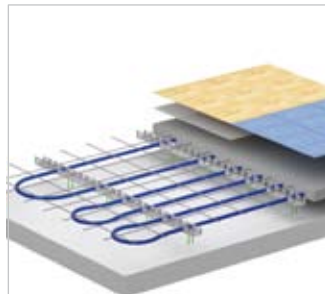

Wooden systems

| Picture | Product information | Product ID | Price € |
|---|---|------------|------------------|
|  | <p>Wooden systems - Pre-grooved panel c/c 150 mm 22 x 600 x 2400 mm*</p> <p>Floor chipboards with four parallel grooves (c/c 150) for heat conducting aluminium plates and 17 x 2 mm Thermotech PE-RT pipes.</p> <p>It is suitable for new-builds and renovations and is installed directly on wooden floor structures with a c/c-measurement of 600 mm. The system is load-bearing.</p> <p>Delivery: 30 per pack or in individual units</p> <p>* The measurements do not include tongue and groove</p> | 20120-15 | € 30 per unit |
|  | <p>Wooden systems - Turn panel c/c 150 mm 22 x 600 x 600 mm</p> <p>Floor chipboard with circle shaped grooves for turning the pipe with c/c-measurement 150 mm.</p> <p>It is suitable for new-builds and renovations and is installed directly on wooden floor structures with a c/c-measurement of 600 mm. The system is load-bearing.</p> <p>Delivery: In individual units</p> | 20121-15 | € 9,30 per unit |
|  | <p>Wooden systems - Turn panel up/down c/c 300/150 mm 22 x 600 x 600 mm</p> <p>Pre-grooved floor chipboard for turning the Thermotech PE-RT pipes on the underside of the system. Six parallel notches are placed 150 mm from the edge on both sides of the panel. The edge has no groove. Suitable for c/c-measurements 150 and 300 mm.</p> <p>It is suitable for new-builds and renovations and is installed directly on wooden floor structures with a c/c-measurement of 600 mm. The system is load-bearing.</p> | 20123 | € 9,20 per unit |
|  | <p>Wooden systems - Filling panel c/c 300/150 mm 22 x 600 x 2400 mm</p> <p>Plain floor chipboard for filling up in areas where no heating is needed.</p> <p>It is suitable for new-builds and renovations and is installed directly on wooden floor structures with a c/c-measurement of 600 mm. The system is load-bearing.</p> <p>Delivery: In individual units</p> | 20120 | € 27,30 per unit |




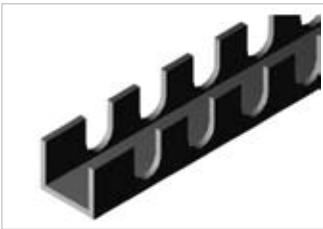
Wooden systems - moisture resistant panels for wet rooms

| Picture | Product information | Product ID | Price € |
|---|---|--------------|------------------|
|  | <p>Wooden systems - Pre-grooved panel c/c 150 mm V313 Moisture resistant 22 x 600 x 2400 mm*</p> <p>Floor chipboards with four parallel grooves (c/c 150) for heat conducting aluminium plates and 17 x 2 mm Thermotech PE-RT pipes.</p> <p>It is suitable for new-builds and renovations and is installed directly on wooden floor structures with a c/c-measurement of 600 mm. The system is load-bearing.</p> <p>Delivery: 30 per pack or in individual units</p> <p>* The measurements do not include tongue and groove</p> | 20120-15-IMP | € 34,50 per unit |
|  | <p>Wooden systems - Turn panel c/c 150 mm V313 Moisture resistant 22 x 600 x 600 mm</p> <p>Floor chipboard with circle shaped grooves for turning the pipe with c/c-measurement 150 mm.</p> <p>It is suitable for new-builds and renovations and is installed directly on wooden floor structures with a c/c-measurement of 600 mm. The system is load-bearing.</p> <p>Delivery: In individual units</p> | 20121-15-IMP | € 10,50 per unit |
|  | <p>Wooden systems - Turn panel up/down c/c 300/150 mm, V313 Moisture resistant 22 x 600 x 600 mm</p> <p>Pre-grooved floor chipboard for turning the Thermotech PE-RT pipes on the underside of the system. Six parallel notches are placed 150 mm from the edge on both sides of the panel. The edge has no groove. Suitable for c/c-measurements 150 and 300 mm.</p> <p>It is suitable for new-builds and renovations and is installed directly on wooden floor structures with a c/c-measurement of 600 mm. The system is load-bearing.</p> <p>Delivery: In individual units</p> | 20123-IMP | € 8,80 per unit |
|  | <p>Wooden systems - Filling panel c/c 300/150 mm V313 Moisture resistant 22 x 600 x 2400 mm</p> <p>Plain floor chipboard for filling up in areas where no heating is needed.</p> <p>It is suitable for new-builds and renovations and is installed directly on wooden floor structures with a c/c-measurement of 600 mm. The system is load-bearing.</p> <p>Delivery: In individual units</p> | 20120-IMP | € 32 per unit |





R12 - for renovations and extensions

| Picture | Product information | Product ID | Price € |
|---|---|---|---|
|  | <p>Thermotech R12 Floating (m²-price)</p> <p>Complete material for floating installation with a low building height. Installed on the existing floor.</p> <p>Includes product-ID: 20110-13200, 20110-13400, 20114, 20115, 20012-xx*</p> <p>Building height: 14 mm C/c-measurement: 200 mm Compressive strength: EPS 300 kPa</p> <p>* xx refer to the size of the roll of pipe in meters</p> | 20141-12 Package | Offer |
|  | <p>Thermotech R12 Screed (m²-price)</p> <p>Complete material for casting 12 mm Thermotech PE-RT pipes in screed or concrete.</p> <p>Includes product-ID: 20112-xxx*, 20133-12</p> <p>Building height: 30 mm incl. screed C/c-measurement: 150 mm</p> <p>* xx refer to the size of the roll of pipe in meters</p> | 20145-1215 Package | Offer |
|  | <p>Thermotech Underfloor heating pipe 12 x 2 mm</p> <p>A 5-layer pipe with an oxygentight diffusion barrier. Suitable for all types of underfloor heating installations.</p> <p>Lenght/roll: 50 m 70 m 1.000 m</p> <p>Material consumption: c/c 200 (Floating) 5,3-6,0 m/m² floor area c/c 150 (Screed) 7,0-8,0 m/m² floor area</p> <p>Colour: Blue</p> | Included in package 20141-12 and 20145-1215 | Price per roll € 73 € 101 € 1430 |

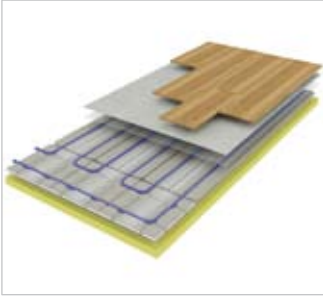
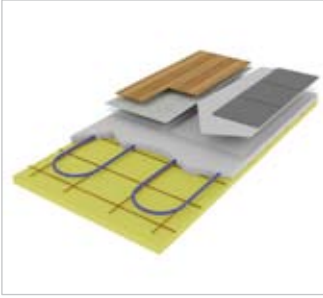

R12 - for renovations and extensions

| Picture | Product information | Product ID | Price € |
|---|--|-------------|------------------|
|  | <p>R12 Floating - Pre-grooved panel c/c 200 14 x 400 x 1150 mm</p> <p>Plates of aluminium joined together with polystyrene thermal insulation. Compressive strength 300 kPa. Two grooves with c/c-measurement 200 mm for Thermotech PE-RT pipes.</p> <p>It is suitable for new-builds and renovations where a low building height is needed. Installed on the existing floor.</p> <p>Delivery: In individual units.</p> | 20110-13400 | € 17,40 per unit |
|  | <p>R12 Floating - Turn panel c/c 200 14 x 200 x 800 mm</p> <p>Plate of polystyrene thermal insulation with two turnings with a c/c-measurement of 200 mm. The plate has a compressive strength of 300 kPa</p> <p>It is suitable for new-builds and renovations where a low building height is needed. Installed on the existing floor.</p> <p>Delivery: In individual units</p> | 20114 | € 1,90 per unit |
|  | <p>R12 Floating - Filling panel 14 x 185 x 1150 mm</p> <p>Plate of polystyrene thermal insulation for filling up along walls or areas where no heating is needed. The plate has a compressive strength of 300 kPa.</p> <p>It is suitable for new-builds and renovations where a low building height is needed. Installed on the existing floor.</p> <p>Delivery: In individual units</p> | 20115 | € 0,36 per unit |
|  | <p>Thermotech Clip rail 12</p> <p>A plastic clip rail for fastening 12 x 2 mm Thermotech PE-RT pipes to the foundation.</p> <p>On polystyrene thermal insulation foundation the clip rails are fastened with a plastic staple (20133-45 or 20133-65). On concrete foundations the clip rails are fastened using a bolt gun or plug and screw.</p> <p>The c/c measurement can be varied every 5th cm.</p> <p>Delivery: 32 m/bundle or in individual units Length: 2 m Material consumption: 1.2 m/m² at c/c 150</p> | 20133-12 | € 2,30 per unit |





R12 - for renovations and extensions

| Picture | Product information | Product ID | Price € |
|---|--|------------|-----------------|
|  | <p>Thermotech Pipe ties 2,5 x 98 mm Plastic ties used to fix 12 x 2 mm Thermotech PE-RT pipes to a welded wire mesh.</p> <p>Delivery: 100 per pack</p> | 20160 | € 1,1 per unit |
|  | <p>Thermotech Clips 12 Clips to fasten 12 x 2 mm Thermotech PE-RT pipes directly on to wooden foundation.</p> <p>Delivery: 100 per pack</p> | 20150-12 | € 8,50 per unit |
|  | <p>Thermotech Pipe bend support 12</p> <p>Plastic bend in polystyren or nylon used to fixate and protect the underfloor heating pipe at narrow bends, for example from the floor up to the manifold.</p> <p>Used together with 12 x 2 mm Thermotech PE-RT pipes.</p> <p>Bend radius: 50 mm Dy: 20 mm Delivery: In individual units</p> | 20205-12 | € 1,30 per unit |
|  | <p>Thermotech Electric boiler MINI 350B</p> <p>Thermotech MINI 350B is a complete 350W electric boiler. The power of the electric boiler is normally enough to serve areas up to 7m². As a comfort heater it can serve areas up to 12 m².</p> <p>Each electric boiler has the following components;</p> <ul style="list-style-type: none"> • Heater MINI 350H assembled in a manifold staff for 1 loop. • Safety valve • Circulation pump • Fittings <p>As a standard the electric boiler is delivered with Euro-cone thread and 12 mm fittings. The fittings can easily be exchanged to fit pipe dimensions from 8-20 mm.</p> <p>Product ID: 62221, 62222, 62224, 50000-12, 50000-16, 50000-17 och 50000-20.</p> | 51001 | € 360 per unit |




Minifloor 8™

| Picture | Product information | Product ID | Price € |
|---|---|---|---------------------------------|
|  | <p>Thermotech Minifloor 8™ Floating (m²-price)</p> <p>Complete material for floating installation with a low building height. Installed on the existing floor.</p> <p>Includes product-ID: 20110-08, 20111-08, 20008-xxx*</p> <p>Building height: 9 mm C/c-measurement: 150 mm Compressive strength: EPS 300 kPa</p> <p>* xx refer to the size of the roll of pipe in meters</p> | 20141-0815 Package | Offer |
|  | <p>Thermotech Minifloor 8™ Screed (m²-price)</p> <p>Complete material for casting 8 mm Thermotech PE-RT pipes in screed.</p> <p>Includes product-ID: 20008-xxx*, 20160</p> <p>Building height: 16 mm incl. screed C/c-measurement: 100-150 mm</p> <p>* xx refer to the size of the roll of pipe in meters</p> | 20145-0815 Package | Offer |
|  | <p>Thermotech Underfloor heating pipe 8 x 1 mm</p> <p>A 5-layer pipe with an oxygentight diffusion barrier. Suitable for underfloor heating installations in small areas. Maximum area per loop is 4 m².</p> <p>Lenght per roll: 32 m 200 m</p> <p>Material consumption: c/c 150 (Floating) 7,0-8,0 m/m² floor area c/c 100-150 (Screed) 7,0-10,0 m/m² floor area</p> <p>Colour: Blue</p> | 20008-032 20008-200 | Price per roll € 25 € 150 |
| | | Included in package 20141-0815 och 20145-0815 | |

Minifloor 8™

| Picture | Product information | Product ID | Price € |
|---|---|------------|-----------------|
|  | <p>Minifloor 8™ Floating - Pre-grooved panel c/c 150 9 x 300 x 1150 mm</p> <p>Plates of aluminium joined together with polystyrene thermal insulation. Compressive strength 300 kPa. Two grooves with c/c-measurement 150 mm for Thermotech PE-RT pipes.</p> <p>It is suitable for new-builds and renovations where a low building height is needed. Installed on the existing floor.</p> <p>Delivery: 30 per pack or in individual units.</p> | 20110-08 | € 8 per unit |
|  | <p>Minifloor 8™ Floating - Turn panel 9 x 300 x 300 mm</p> <p>Turn panels of aluminium joined together with polystyrene thermal insulation. The turn panel has integrated breaking lines to be easily divisible.</p> <p>Delivery: In individual units.</p> | 20111-08 | € 9 per unit |
|  | <p>Minifloor 8™ Floating - Filling panel 8,5 x 140 x 1175 mm</p> <p>Plate of polystyrene thermal insulation for filling up along walls or areas where no heating is needed. The plate has a compressive strength of 300 kPa.</p> <p>It is suitable for new-builds and renovations where a low building height is needed. Installed on the existing floor.</p> <p>Delivery: In individual units</p> | 20116 | € 0,69 per unit |
|  | <p>Thermotech Clips 8</p> <p>Clips to fasten 8 x 1 mm Thermotech PE-RT pipes directly on to wooden foundation.</p> <p>Delivery: 100 per pack</p> | 20150-08 | € 5,50 per pack |

Minifloor 8™

| Picture | Product information | Product ID | Price € |
|---|---|--|--|
|  | <p>Thermotech Pipe ties 2,5 x 98 mm Plastic ties used to fix 8 x 1 mm Thermotech PE-RT pipes to a welded wire mesh.</p> <p>Delivery: 100 per pack</p> | <p>20160</p> <p>Included in package 20145-0815</p> | € 1,10 per pack |
|  | <p>Thermotech Fitting 8 mm Brass fitting for 8 x 1 mm Thermotech PE-RT pipes. Fits directly to a Eurocone thread.</p> <p>Number of loops</p> <p>1 loop</p> <p>2 loops</p> <p>4 loops</p> <p>Delivery: In pairs</p> | <p>62221</p> <p>62222</p> <p>62224</p> | <p>€ 20 a pair</p> <p>€ 55 a pair</p> <p>€ 75 a pair</p> |
|  | <p>Thermotech Electric boiler MINI 350B</p> <p>Thermotech MINI 350B is a complete 350W electric boiler. The power of the electric boiler is normally enough to serve areas up to 7m². As a comfort heater it can serve areas up to 12 m².</p> <p>Each electric boiler has the following components;</p> <ul style="list-style-type: none"> • Heater MINI 350H assembled in a manifold staff for 1 loop. • Safety valve • Circulation pump • Fittings <p>As a standard the electric boiler is delivered with Eurocone thread and 12 mm fittings. The fittings can easily be exchanged to fit pipe dimensions from 8-20 mm.</p> <p>Product ID: 62221, 62222, 62224, 50000-12, 50000-16, 50000-17 och 50000-20.</p> | 51001 | € 360 per unit |

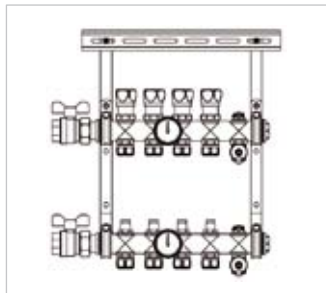
Underfloor heating manifold

Picture

Product information

Product ID

Price €



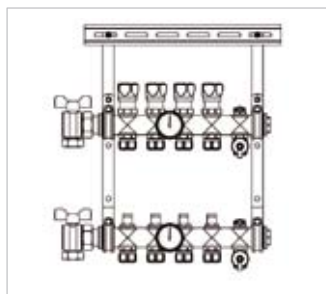
501xx

Thermotech Underfloor heating manifold 17

A completely assembled underfloor heating manifold with extensions in stainless steel and integrated ball valves for flow and return. The c/c-measurement is adapted so that the manifold can be assembled directly to Thermotechs mixing units.

Each manifold has the following components;

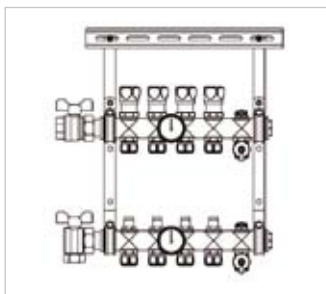
- Consoles (50002-35)
- Fitting for 17 x 2 mm Thermotech PE-RT pipes (50000-17). If other dimensions are needed it has to be stated when placing the order.
- Manual air vents (50004)
- Filling and draining valves on both flow and return (50006)
- Straight ball valves on both flow and return (53200)
- DIN-rail
- Thermometers



503xx - angled ball valves

The manifold is stored in the following sizes:

| | | |
|----------|-------|----------------|
| 2 loops | 50102 | € 172 per unit |
| 3 loops | 50103 | € 203 per unit |
| 4 loops | 50104 | € 240 per unit |
| 5 loops | 50105 | € 266 per unit |
| 6 loops | 50106 | € 297 per unit |
| 7 loops | 50107 | € 328 per unit |
| 8 loops | 50108 | € 359 per unit |
| 9 loops | 50109 | € 390 per unit |
| 10 loops | 50110 | € 420 per unit |
| 11 loops | 50111 | € 450 per unit |
| 12 loops | 50112 | € 480 per unit |

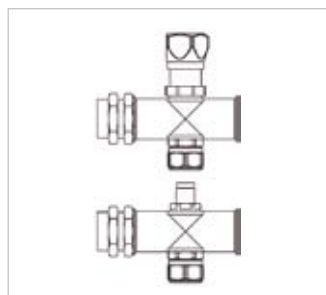


504xx - one straight and one angled ball valve

For angled ball valves for both flow and return-use product ID 503xx.

For one angled and one straight ball valve - use product ID 504xx.

Delivery: In individual units



Thermotech Manifold extension pack

Used to connect one or more additional loops to a manifold that is already installed. The extension pack includes 2 manifold extension pieces in stainless steel, valves, fittings (17 mm) and 1" union fittings.

The extension pack comes in the following sizes;

| | | |
|---------|-------|----------------|
| 1 loop | 50051 | € 74 per unit |
| 2 loops | 50052 | € 116 per unit |
| 3 loops | 50053 | € 156 per unit |
| 4 loops | 50054 | € 206 per unit |

Delivery: In individual units

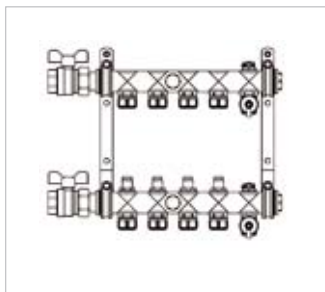
Manifolds - Industrial Manifold 1”

Picture

Product information

Product ID

Price €



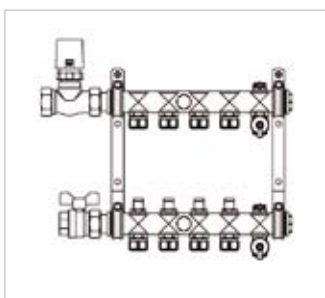
Thermotech Industrial manifold with integrated return valve

Manifold in stainless steel with integrated return valves. It is used for open-plan properties where the temperature is controlled by only one thermostat.

The 1” industrial manifold is equipped with; consoles, ball valves, filling and draining valves, manual air vents and fittings 20 x 2 mm.

The 1” industrial manifold comes in the following sizes;

| | | |
|----------|-------|----------------|
| 2 loops | 50702 | € 142 per unit |
| 3 loops | 50703 | € 169 per unit |
| 4 loops | 50704 | € 196 per unit |
| 5 loops | 50705 | € 222 per unit |
| 6 loops | 50706 | € 249 per unit |
| 7 loops | 50707 | € 276 per unit |
| 8 loops | 50708 | € 302 per unit |
| 9 loops | 50709 | € 329 per unit |
| 10 loops | 50710 | € 355 per unit |



Thermotech Industrial manifold with zone control

Manifold in stainless steel with integrated return valves. It is used for open-plan properties where the temperature is controlled by one single thermostat.

The 1” industrial manifold is equipped with; consoles, ball valves, filling and draining valves, manual air vents and fittings 20 x 2 mm, as well as 2-way valve for zone control and an actuator 24V including adapter.

The 1” industrial manifold comes in the following sizes;

| | | |
|----------|---------|----------------|
| 2 loops | | |
| 3 loops | 50702-0 | € 198 per unit |
| 4 loops | 50703-0 | € 223 per unit |
| 5 loops | 50704-0 | € 249 per unit |
| 6 loops | 50705-0 | € 275 per unit |
| 7 loops | 50706-0 | € 301 per unit |
| 8 loops | 50707-0 | € 327 per unit |
| 9 loops | 50708-0 | € 352 per unit |
| 10 loops | 50709-0 | € 377 per unit |
| | 50710-0 | € 403 per unit |

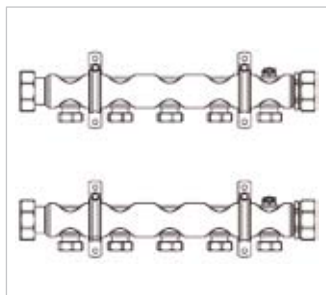
Manifolds - Group Manifold 2"

Picture

Product information

Product ID

Price €



Thermotech Group Manifold 2"

Manifold in stainless steel suitable for big industrial spaces where 25 x 2.3 mm or 32 x 3.0 mm pipes are used for the loops. Can also be used when multiple underfloor heating manifolds are connected parallel against one heat source.

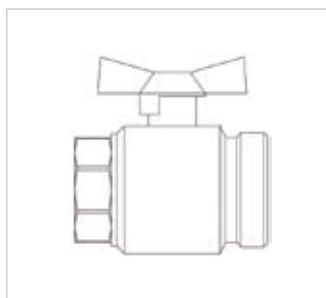
The group manifold 2" is equipped with; consoles, manual air vents and 1" fittings with sealing on each exit.

Individual equipment;
Group valve DN20 or DN25
Fittings for pipe dimensions 25 x 2.3 or 32 x 3.0 mm.

The group manifold comes in the following sizes;

| | | |
|----------|-------|----------------|
| 2 loops | 54102 | € 265 per unit |
| 3 loops | 54103 | € 327 per unit |
| 4 loops | 54104 | € 396 per unit |
| 5 loops | 54105 | € 460 per unit |
| 6 loops | 54106 | € 522 per unit |
| 7 loops | 54107 | € 584 per unit |
| 8 loops | 54108 | € 646 per unit |
| 9 loops | 54109 | € 710 per unit |
| 10 loops | 54110 | € 774 per unit |

Several manifolds can easily be connected to get more loops.



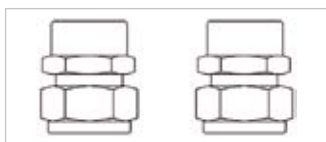
Thermotech Ball valves

50501

€ 50 per unit

Closing valve in nickel plated brass. Fits the 2" group manifold (Product ID 541xx).

Fitting: 1 1/2" internal thread x
2" external thread
Delivery: In individual units

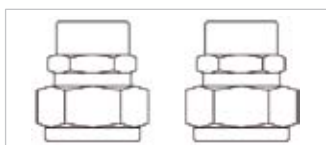


Thermotech Package with fittings and group valves for 2" Group manifold

Fittings for 25 x 2.3 mm pipes

54100-25

€ 13,60 per unit

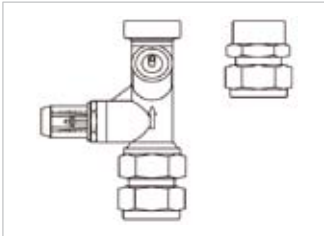
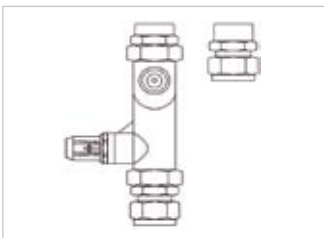
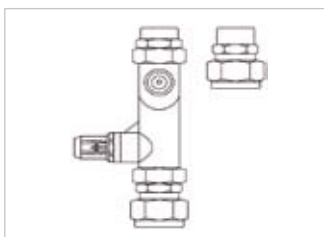
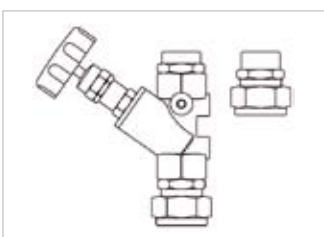
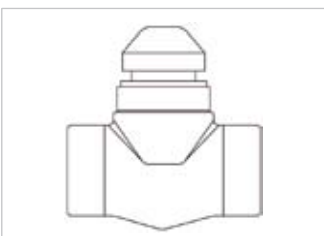


Fittings for 32 x 3.0 mm pipes

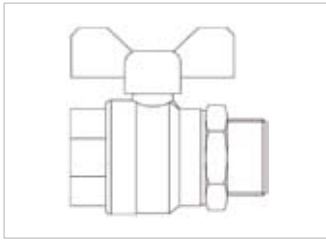
54100-32

€ 17,40 per unit

Manifolds - Group Manifold 2"

| Picture | Product information | Product ID | Price € |
|---|---|------------|------------------|
|  | Group valve DN20 and fittings for 25 x 2.3 mm pipes | 54100-2025 | € 75 per unit |
|  | Group valve DN25 and fittings for 25 x 2.3 mm pipes | 54100-2525 | € 127 per unit |
|  | Group valve DN25 and fittings for 32 x 3.0 mm pipes | 54100-2532 | € 132 per unit |
|  | Group valve DN20 and fittings for 25 x 2.3 mm pipes | 54101-2025 | € 46,50 per unit |
| | Group valve DN25 and fittings for 32 x 3.0 mm pipes | 54101-2532 | € 86 per unit |
|  | <p>Thermotech Thermostatic valve DN 25</p> <p>The valve is used when a system with manifold control is installed. The valve is placed on the 2" Group manifold and controls the whole underfloor heating system.</p> <p>To mount the actuators (Product ID: 67024) on the thermostatic valve an adapter is needed (Product ID: 67028). The automatic thermostat (Product ID: 51903 or 51904) fits directly, without adapter.</p> <p>Capacity: Approximately 150 m² (at a power supply of 50W/m² and a 5°C temperature drop)</p> <p>Kvs-value: 5,1</p> <p>Fitting: 1" external thread for sealing x 1" external thread for sealing</p> <p>Delivery: In individual units</p> | 67515 | € 28 per unit |

Manifolds - Group Manifold 2"

| Picture | Product information | Product ID | Price € |
|---|--|------------|---------------|
|  | <p>Thermotech Ball valve DN 25</p> <p>Closing valve in nickel plated brass. Fits the 2" Group manifold (Product ID 541xx).</p> <p>Red handle</p> <p>Fitting: 1" external thread for sealing x 1" internal thread for sealing</p> <p>Delivery: In individual units</p> | 53211 | € 16 per unit |



Thermotech Underfloor heating manifold

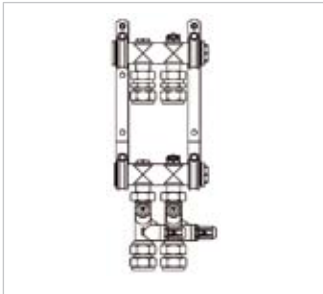
Manifolds - Group Manifold 1"

Picture

Product information

Product ID

Price €



Thermotech 1" Group manifold

Manifold in stainless steel without integrated valves for the loops. The manifold is used when two to four under-floor heating manifolds are connected against one heat source.

The group manifold is completely assembled at delivery, but the outgoing fittings can be turned so that they face upwards.

For an easy adjustment of all flow levels each flow has fittings for 25 x 2.3 mm feed pipes, and each return has group valves DN 20 and fittings for 25 x 2.3 mm feed pipes.

The group manifold comes in the following sizes;

2 loops

50802

€ 360 per unit

3 loops

50803

€ 480 per unit

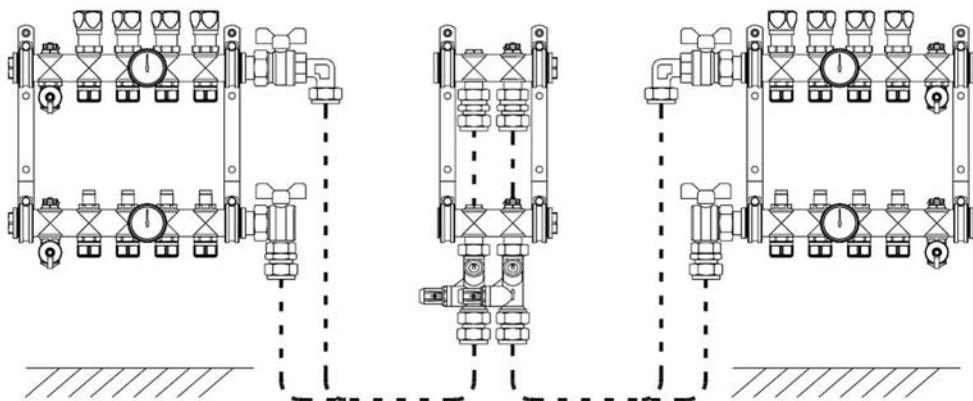
4 loops

50804

€ 600 per unit




Manifolds in bigger sizes can be ordered specially.

For connecting more than four manifolds, or when using manifolds for areas larger than 120m², we recommend that you use our 2" group manifold (Product ID: 541xx).




Example of installation with Thermotech Group Manifold 1"

Room control unit EC - with wiring




| Picture | Product information | Product ID | Price € |
|---|---|----------------------------------|--|
|  | Thermotech Room Thermostat Easy Comfort™ (EC) | | |
| | <p>Electronic room thermostat (24 V) with wiring for regulating the room temperature. Neat and timeless design in two colours. Plastic cover.</p> <p>White Stainless colour</p> <p>Temperature range: 5 - 30°C Dimensions: 80 x 106 x 22 mm</p> | 67210 67211 | € 33 per unit € 51 per unit |
|  | Thermotech Room Thermostat Easy Comfort™ (EC) with floor sensor | | |
| | <p>Electronic room thermostat (24 V) with floor sensor. Neat and timeless design in two colours. Plastic cover.</p> <p>White Stainless colour</p> <p>Temperature range: 15 - 40°C Dimensions: 80 x 106 x 22 mm</p> | 67220 67221 | € 53 per unit € 70 per unit |
|  | Thermotech Room Thermostat Easy Comfort™ (EC) Public environments | | |
| | <p>Electronic room thermostat (24 V) with wiring for regulating the room temperature. Neat and timeless design in two colours. Plastic cover. Hidden dial.</p> | | |
| | <p>Can be ordered with floor sensor or 230 V.</p> | | |
| | <p>White (standard) Stainless colour (standard)</p> <p>White (with floor sensor) Stainless colour (with floor sensor)</p> | 67230 67231 67232 67233 | € 36 per unit € 52 per unit € 62 per unit € 73 per unit |

Room control unit EC - with wiring

| Picture | Product information | Product ID | Price € |
|---|---|------------|----------------|
|  | <p>Thermotech Transformer List Easy Comfort™ (EC)</p> <p>Complete units consisting of a transformer (24V) and a terminal block for thermostats and actuators. A DIN-rail on which the transformer list can be assembled comes with the manifold.</p> | | |
| | <p>Transformer list EC2</p> <p>Number of thermostats: 1 Number of actuators: 4 <i>or</i> Number of thermostats: 2 Number of actuators: 3 (1 + 2)</p> | 67412 | € 50 per unit |
| | <p>Dimensions: 85 x 85 x 40 mm</p> <p>Delivery: In individual units</p> | | |
| | <p>Transformer list EC5</p> <p>Number of thermostats: 5 Number of actuators: A maximum of 10</p> | 67415 | € 115 per unit |
| | <p>Dimensions: 318,5 x 105 x 50 mm</p> <p>Delivery: In individual units</p> | | |
| | <p>Transformer list EC10</p> <p>Number of thermostats: 10 st Number of actuators: A maximum of 12</p> | 67410 | € 151 per unit |
| | <p>Dimensions: 318,5 x 105 x 50 mm</p> <p>Delivery: In individual units</p> | | |







Room control unit ICR - wireless

| Picture | Product information | Product ID | Price € |
|---|---|-------------------------|---|
|  | Thermotech Transmitter Intelligent Comfort Radiosystem™ (ICR) Wireless electronic room thermostat, a transmitter, that regulates the room temperature using radio waves to communicate with a receiver. Neat and timeless design in two colours. Plastic cover. | | |
| | White Stainless colour Transmitter for ICR 1 | 67240 67241 67244 | € 99 per unit € 125 per unit € 125 per unit |
| | Temperature range: 5 - 30°C Dimensions: 80 x 106 x 22 mm Batteries: 2 x AA (life 5 years) | | |
|  | Thermotech Transmitter Intelligent Comfort Radiosystem™ - Public environment Wireless electronic room thermostat, a transmitter, that regulates the room temperature using radio waves to communicate with a receiver. Neat and timeless design in two colours. Plastic cover. Hidden dial. | | |
| | White Stainless colour | 67234 67235 | € 125 per unit € 125 per unit |
| | Temperature range: 5 - 30°C Dimensions: 80x106x22 mm Batteries: 2 x AA (life 5 years) | | |
|  | Thermotech Receiver Intelligent Comfort Radiosystem™ This is a complete unit with a receiver, transformer (not incl. in ICR 1) and terminal block for transmitters and actuators. A DIN-rail on which the transformer list can be assembled comes with the manifold. | | |
| | Receiver ICR 1 (230V) | 67441-0 | € 160 per unit |
| | Number of receivers: 1 (receiver Product ID: 67244 should be used) Number of actuators: Potential free relay, max 2 actuators | | |
| | Receiver ICR 4 | 67444 | € 400 per unit |
| | Number of receivers: 4 Number of actuators: 2 per channel, max 12 Dimensions: 318,5 x 105 x 50 mm | | |
| Receiver ICR 8 | 67448 | € 435 per unit | |
| Number of receivers: 8 Number of actuators: 2 per channel, max 12 Dimensions: 318,5 x 105 x 50 mm | | | |
| | All receivers are delivered in individual units. | | |


Room control unit - accessories

| Picture | Product information | Product ID | Price € |
|---|---|------------|---------------|
| A white cylindrical thermostat handle with a red sensor probe and a coiled cable. | <p>Thermotech Automatic thermostat - Water</p> <p>Thermostat handle to be assembled on the thermostat valve. The sensor is assembled in the probe or in a contact rail. Some valves need an adapter.</p> <p>Included in Mixing unit TMix® S Constant, TMix® M Constant and TMix® L2 Constant.</p> <p>Temperature range: 20 - 50°C</p> <p>Colour: White Delivery: In individual units</p> | 51903 | € 57 per unit |
| A white cylindrical thermostat handle with a red sensor probe and a coiled cable, similar to the previous model but with a different sensor design. | <p>Thermotech Automatic thermostat - Water</p> <p>Thermostat handle to be assembled on the thermostat valve. The sensor is assembled in the probe or in a contact rail. Some valves need an adapter.</p> <p>Included in Mixing unit TMix® L3 Constant.</p> <p>Temperature range: 20 - 50°C</p> <p>Colour: White Delivery: In individual units</p> | 51907 | € 57 per unit |
| A white thermostat handle with a red sensor probe, a white sensor unit, and a coiled cable. | <p>Thermotech Automatic thermostat - Air</p> <p>Thermostat handle to be assembled on the thermostat valve. The sensor is assembled on an indoor wall. Some valves need an adapter.</p> <p>Included in Mixing unit TMix® S Standard</p> <p>Temperature range: 6 - 28°C</p> <p>Colour: White Delivery: In individual units</p> | 51904 | € 63 per unit |

Room control unit - accessories

| Picture | Product information | Product ID | Price € |
|---|---|------------|-----------------|
|  | <p>Thermotech Actuator 24 V</p> <p>Thermal electric actuator designed for on/off-control of the water flow in the valves.</p> <p>Dimensions: 60 x 45 x 45 mm Lenght of cable: 800 mm</p> <p>Colour: White Delivery: In individual units</p> | 67024 | € 25 per unit |
|  | <p>Thermotech Hand wheel</p> <p>Hand wheel in plastic for manual setting of the valves. Included in all the Mixing units model "Manual".</p> | 50013 | € 1,40 per unit |
|  | <p>Thermotech Actuator 230 VAC, 3-point</p> <p>Electrical actuator for controlling the two- or three way valve.</p> <p>The actuator can be connected to an external regulator (in the heat source) to compensate the flow temperature, taking the outdoor temperature into account. Adapter for different valve brands are included.</p> | 67001 | € 150 per unit |
|  | <p>Thermotech Actuator 24 VAC, 3-point</p> <p>Electrical actuator for controlling the two- or three way valve.</p> <p>The actuator can be connected to an external regulator (in the heat source) to compensate the flow temperature, taking the outdoor temperature into account. Adapter for different valve brands are included.</p> | 67002 | € 150 per unit |

Room control unit - accessories

| Picture | Product information | Product ID | Price € |
|---|--|------------|-------------------|
|  | <p>Thermotech Clima Package Complete package for heating control.</p> <p>Complete package for heating control of the flow temperature taking the outdoor temperature into account. The electric actuator is to be mounted on the 2 way valve. Adjustable parameters; curve, parallel shifting, min/max limiter of the flow and return temperature etc.</p> <p>The Clima package fits all mixing units.</p> <p>The package consists of the following components:</p> <ul style="list-style-type: none"> • 1 motor (24 VAC) • 1 heating controller with curve-settings etc. • 1 outdoor temperature sensor • 1 flow temperature sensor • 1 transformer for wall-socket 230/24V | 37003 | € 660 per package |



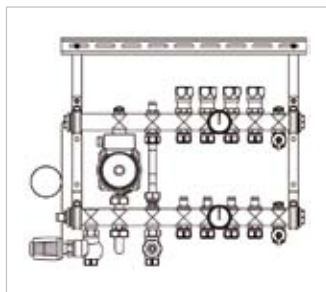
Integral – manifold with integrated mixing unit

Picture

Product information

Product ID

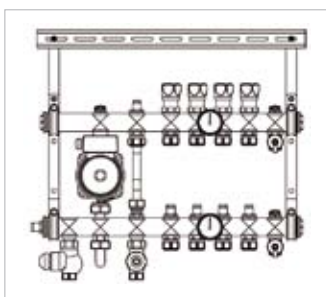
Price €



Thermotech Integral

Fully assembled underfloor heating manifold with an integrated mixing unit. The Integral is available from 2 to 10 loops. It comes with a DIN-rail on which the control unit can be mounted.

The Integral is as a standard delivered with a Grundfos UPS circulation pump. It can be specially ordered with an autoadapt pump (Grundfos Alpha+).



Alternatives for temperature control;

- As a standard it is delivered with an automatic thermostat with external sensor (Product ID: 51901 or 51903). The same as TMix® M Constant. The external sensor is included.
- Thermotech Clima package for heating control (Product ID: 37003). The same as TMix® M Clima.
- Thermotech Actuator (Product ID: 67001) to be connected to an external regulator. The same as TMix® M Motor.

The Integral can be delivered in the following sizes;

| | | | |
|----------|--------------------|-------|----------------|
| 2 loops | 4 m standard pump | 50202 | € 590 per unit |
| | 4 m autoadapt pump | 55212 | € 700 per unit |
| 3 loops | 4 m standard pump | 50203 | € 630 per unit |
| | 4 m autoadapt pump | 55213 | € 730 per unit |
| 4 loops | 4 m standard pump | 50204 | € 665 per unit |
| | 4 m autoadapt pump | 55214 | € 760 per unit |
| 5 loops | 4 m standard pump | 50205 | € 695 per unit |
| | 4 m autoadapt pump | 55215 | € 790 per unit |
| 6 loops | 4 m standard pump | 50206 | € 706 per unit |
| | 4 m autoadapt pump | 55216 | € 820 per unit |
| 7 loops | 6 m standard pump | 50207 | € 734 per unit |
| | 6 m autoadapt pump | 55217 | € 850 per unit |
| 8 loops | 6 m standard pump | 50208 | € 760 per unit |
| | 6 m autoadapt pump | 55218 | € 880 per unit |
| 9 loops | 6 m standard pump | 50209 | € 800 per unit |
| | 6 m autoadapt pump | 55219 | € 910 per unit |
| 10 loops | 6 m standard pump | 50210 | € 830 per unit |
| | 6 m autoadapt pump | 55210 | € 990 per unit |

Capacity; Approx 200 m² (at 50 W/m²)
depending on the primary temperature

Delivery: In individual units

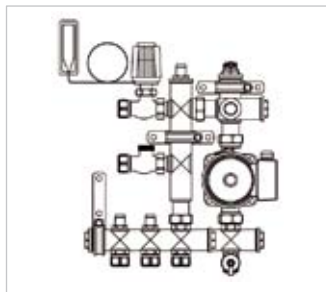
Mixing Units - TMix® S

Picture

Product information

Product ID

Price €



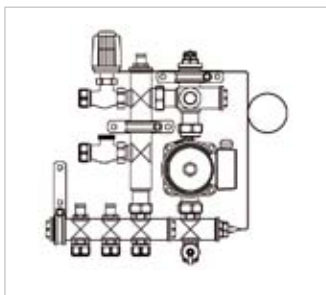
Thermotech Mixing unit TMix® S - Standard

Complete mixing unit in stainless steel. The compact mixing unit is suitable for small areas (up to 60m²) or where underfloor heating is installed in parts of a building.

The room temperature is controlled by an automatic thermostat with external sensor placed in the room. 17 x 2 mm fittings for the loop exits and compression ring couplings, Cu15, on the primary side are included.

| | | |
|---------|-------|----------------|
| 1 loop | 51111 | € 390 per unit |
| 2 loops | 51112 | € 505 per unit |
| 3 loops | 51113 | € 525 per unit |

Capacity: 50-70 m² (at 50 W/m²)
Delivery: In individual units



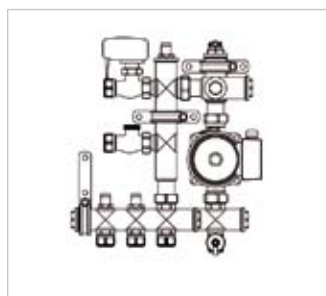
TMix® S - Constant

Complete mixing unit in stainless steel. The compact mixing unit is suitable for small areas (up to 60m²) or where underfloor heating is installed in parts of a building.

The room temperature is controlled by an automatic thermostat with external sensor assembled in the probe. 17 x 2 mm fittings for the loop exits and compression ring couplings, Cu15, on the primary side are included.

| | | |
|---------|-------|----------------|
| 1 loop | | |
| 2 loops | 51121 | € 420 per unit |
| 3 loops | 51122 | € 520 per unit |
| | 51123 | € 540 per unit |

Capacity: 50-70 m² (at 50 W/m²)
Delivery: In individual units



TMix® S - Motor

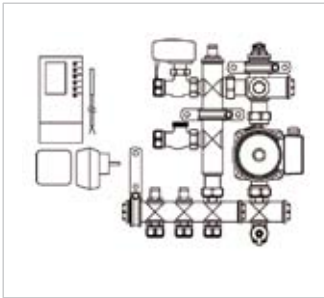
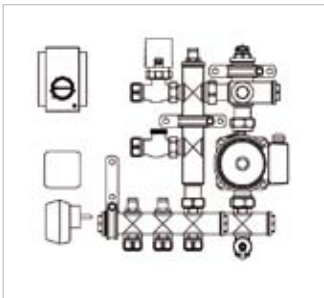
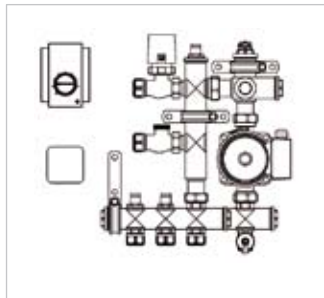
Complete mixing unit in stainless steel. The compact mixing unit is suitable for small areas (up to 60m²) or where underfloor heating is installed in parts of a building.

The room temperature is controlled by an electrical actuator connected to a regulator in the heat source, which takes the outdoor temperature into account. 17 x 2 mm fittings for the loop exits and compression ring couplings, Cu15, on the primary side are included.

| | | |
|---------|-------|----------------|
| 1 loop | 51131 | € 485 per unit |
| 2 loops | 51132 | € 600 per unit |
| 3 loops | 51133 | € 620 per unit |

Capacity: 50-70 m² (at 50 W/m²)
Delivery: In individual units

Mixing units - TMix® S

| Picture | Product information | Product ID | Price € |
|---|--|--|---|
|  | <p>TMix® S - Klima</p> <p>Complete mixing unit in stainless steel. The compact mixing unit is suitable for small areas (up to 60m²) or where underfloor heating is installed in parts of a building.</p> <p>Complete equipment for outdoor temperature compensated control. Flow-, room- and outdoor sensors, as well as regulators and actuators, are included. 17 x 2 mm fittings for the loop exits and compression ring couplings, Cu15, on the primary side are included.</p> | | |
| | <p>1 loop</p> <p>2 loops</p> <p>3 loops</p> <p>Capacity: 50-70 m² (at 50 W/m²)</p> <p>Delivery: In individual units</p> | <p>51141</p> <p>51142</p> <p>51143</p> | <p>€ 985 per unit</p> <p>€ 1100 per unit</p> <p>€ 1120 per unit</p> |
|  | <p>TMix® S - Easy Comfort (EC)</p> <p>Complete mixing unit in stainless steel. The compact mixing unit is suitable for small areas (up to 60m²) or where underfloor heating is installed in parts of a building.</p> <p>The room temperature is controlled via the actuators and a wired thermostat connected to the EC2 fitting box. 17 x 2 mm fittings for the loop exits and compression ring couplings, Cu15, on the primary side are included.</p> | | |
| | <p>1 loop</p> <p>2 loops</p> <p>3 loops</p> <p>Capacity: 50-70 m² (at 50 W/m²)</p> <p>Delivery: In individual units</p> | <p>51151</p> <p>51152</p> <p>51153</p> | <p>€ 435 per unit</p> <p>€ 560 per unit</p> <p>€ 580 per unit</p> |
|  | <p>TMix® S - Intelligent Comfort System (ICR)</p> <p>Complete mixing unit in stainless steel. The compact mixing unit is suitable for small areas (up to 60m²) or where underfloor heating is installed in parts of a building.</p> <p>The room temperature is controlled via actuators and a wireless transmitter connected to the ICR1 receiver. 17 x 2 mm fittings for the loop exits and compression ring couplings, Cu15, on the primary side are included.</p> | | |
| | <p>1 loop</p> <p>2 loops</p> <p>3 loops</p> <p>Capacity: 50-70 m² (at 50 W/m²)</p> <p>Delivery: In individual units</p> | <p>51161</p> <p>51162</p> <p>51163</p> | <p>€ 610 per unit</p> <p>€ 730 per unit</p> <p>€ 750 per unit</p> |

Mixing units - TMix[®] S

Picture

Product information

Product ID

Price €



Thermotech Manifold for Mixing unit TMix[®] S

Manifold in stainless steel for Mixing unit TMix[®] S. Complete package with extensions for flow and return, assembled on a console, and fittings for 17 x 2 mm Thermotech PE-RT pipes.

2 loops
3 loops
4 loops

51102-0

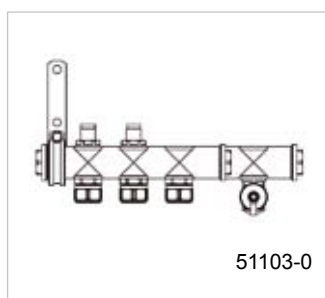
€ 130 per unit

51103-0

€ 155 per unit

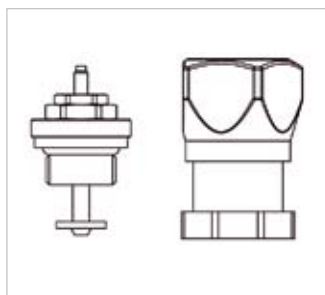
51104-0

€ 180 per unit



Delivery: In pairs

The manifold for mixing unit TMix[®] S can be equipped with integrated thermostatic valves and actuators for individual room temperature control (Product ID for the package: 51105). Then it also need to be completed with a fitting box EC2 (Product ID 67412) or EC5 (Product ID 67415) and the right number of room thermostats (Product ID 67xxx).



Thermotech Package for thermostatic valve

A package with an integrated thermostatic valve and manual wheel for the manifold for mixing unit TMix[®] S.

Used when individual room temperature control is needed and is complemented with an actuator, room thermostat and fitting box.

Delivery: Package with thermostatic valve and manual wheel

51105

€ 6,50 per unit



Thermotech Mixing unit TMix[®] S

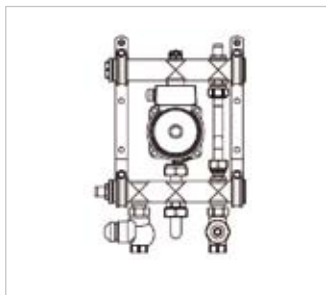
Mixing units - TMix[®] M

Picture

Product information

Product ID

Price €



Thermotech Mixing unit TMix[®] M - Manual

Complete mixing unit in stainless steel for manual control of the flow temperature by a manual wheel. Suitable in buildings where the outdoor temperature already has been taken into account.

Each mixing unit has the following components;

1 thermostatic valve, DN15

1 return valve, DN15

1 manual wheel (Product ID: 50013) for manual adjustment of the thermostatic valve

1 circulation pump, 6m

With standard pump

51201

€ 455 per unit

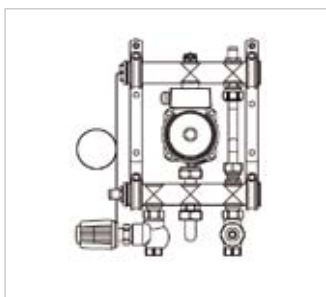
With autoadapt pump

51221

€ 535 per unit

Capacity; 200 m² (at 50 W/m²), depending on the primary temperature

Delivery: In individual units



TMix[®] M - Constant

Complete mixing unit in stainless steel with a control function for keeping the flow temperature at a constant level, within a maximum temperature boundary. Automatic thermostat with an external sensor assembled in the probe.

Each mixing unit has the following components;

1 TMix[®] M (Product ID: 51200)

1 automatic thermostat with an external sensor to be assembled in the probe (Product ID: 51903)

With standard pump

51202

€ 505 per unit

With autoadapt pump

51222

€ 585 per unit

Capacity; 200 m² (at 50 W/m²), depending on the primary temperature

Delivery: In individual units

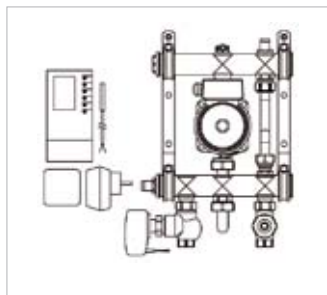
Mixing units - TMix® M

Picture

Product information

Product ID

Price €



TMix® M - Klima

Complete mixing unit in stainless steel with a control function for compensating the flow temperature taking the outdoor temperature into account.

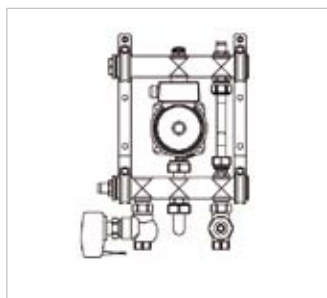
Each mixing unit has the following components;
 1 TMix® M (Product ID: 51200)
 1 Thermotech Klima package (Product ID: 37003) for heating control of the flow temperature taking the outdoor temperature into account.

With standard pump
 With autoadapt pump

51203
 51223

€ 1105 per unit
 € 1185 per unit

Capacity; 200 m² (at 50 W/m²), depending on the primary temperature
 Delivery: In individual units



TMix® M - Motor

Complete mixing unit in stainless steel. The flow temperature is controlled by an electrical actuator connected to a regulator in the heat source, which takes the outdoor temperature into account.

Each mixing unit has the following components;
 1 TMix® M (Product ID: 51200)
 1 Thermotech actuator (Product ID: 67001) for fitting to a heat source which takes the outdoor temperature into account.

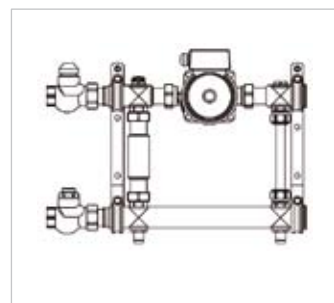
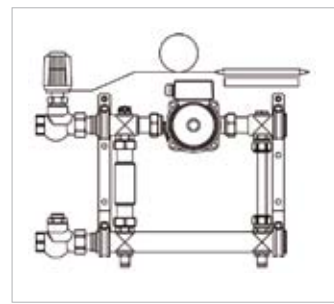
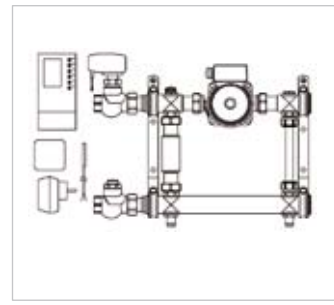
With standard pump
 With autoadapt pump

51204
 51224

€ 600 per unit
 € 680 per unit

Capacity; 200 m² (at 50 W/m²), depending on the primary temperature
 Delivery: In individual units

Mixing units - TMix[®] L2

| Picture | Product information | Product ID | Price € |
|---|---|------------|-----------------|
|  | <p>Thermotech Mixing unit TMix[®] L2 - Manual</p> <p>Complete mixing unit in stainless steel for manual control of the flow temperature by a manual wheel.</p> <p>Extra accessories; Fittings (Product ID: 53105-25 or 53106-25) for direct mounting on the manifold.</p> <p>Circulation pump: 7 m Capacity; 350 m² (at 50W/m²) Delivery: In individual units</p> | 51301 | € 465 per unit |
|  | <p>TMix[®] L2 - Constant</p> <p>Complete mixing unit in stainless steel with a control function for keeping the flow temperature at a constant level, within a maximum temperature boundary.</p> <p>Each mixing unit has the following components; 1 TMix[®] L2 (Product ID: 51300) 1 automatic thermostat with external sensor (Product ID: 51903) 1 contact rail (Product ID: 51920)</p> <p>Capacity; 350 m² (at 50W/m²) Delivery: In individual units</p> | 51302 | € 515 per unit |
|  | <p>TMix[®] L2 - Klima</p> <p>Complete mixing unit in stainless steel with a control function for compensating the flow temperature taking the outdoor temperature into account.</p> <p>Each mixing unit has the following components; 1 TMix[®] L2 (Product ID: 51300) 1 Thermotech Klima package (Product ID: 37003) for heating control of the flow temperature taking the outdoor temperature into account.</p> <p>Capacity; 350 m² (at 50W/m²) Delivery: In individual units</p> | 51303 | € 1100 per unit |

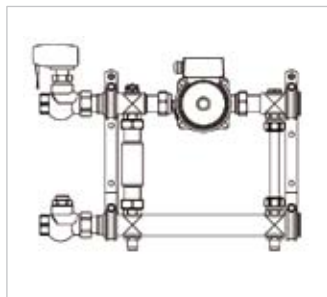
Mixing units - TMix[®] L2 and TMix[®] L3

Picture

Product information

Product ID

Price €



TMix[®] L2 - Motor

51304

€ 590 per unit

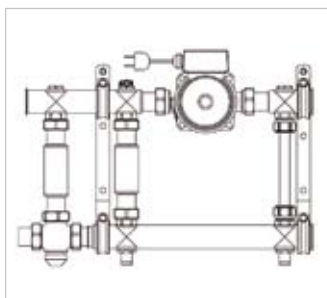
Complete mixing unit in stainless steel. The flow temperature is controlled by an electrical actuator connected to a regulator in the heat source, which takes the outdoor temperature into account.

Each mixing unit has the following components;

1 TMix[®] L2 (Product ID: 51300)

1 Thermotech actuator (Product ID: 67001) for fitting to a heat source which takes the outdoor temperature into account.

Capacity; 350 m² (at 50W/m²)
 Delivery: In individual units



Thermotech Mixing unit TMix[®] L3 - Manual

51401

€ 480 per unit

Complete mixing unit in stainless steel for control of the flow temperature in relation to the primary temperature. Manual adjustments, of the amount of primary hot water that is going to be mixed in, are made via a 3-way valve with a manual wheel (Product ID 50013). Only used in buildings without primary circulation pump.

Extra accessories;

Fittings (Product ID: 53105-25 or 53106-25) for direct mounting to the manifold.

Circulation pump: 7m
 Capacity; 350m² (at 50W/m²)
 Delivery: In individual units

Can also be equipped for version Constant (Product ID: 51402), Clima (Product ID: 51403) and Motor (Product ID: 51404). Must be ordered separately, please contact your regional dealer.

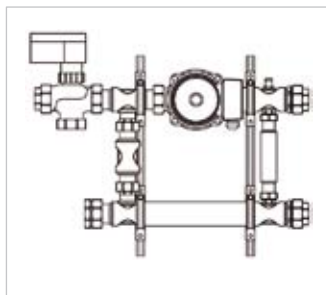
Mixing units - TMix® XXL

Picture

Product information

Product ID

Price €



Thermotech Mixing unit TMix® XXL

Complete mixing unit in stainless steel for large areas. The mixing unit is as a standard delivered assembled on consoles. It is equipped with 2-way valve and 3-point actuators (24V) to be connected to outdoor temperature compensated control. Fittings and pipe parts for the 2-way valve and fittings for the secondary side are included.

If needed the 24V actuators can be changed to 230V (Product ID: 67005).

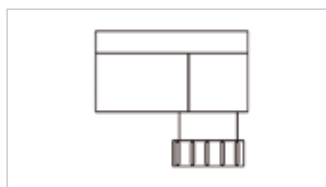
The mixing unit TMix® XXL is as a standard delivered with an autoadapt pump.

| | | | |
|------------|---|-------|-----------------|
| Package N3 | 10m autoadapt pump + 2-way valve DU25 Kv10 | 51623 | € 2030 per unit |
|------------|---|-------|-----------------|

| | | | |
|------------|---|-------|-----------------|
| Package N4 | 10m autoadapt pump + 2-way valve DU32 Kv16 | 51624 | € 2050 per unit |
|------------|---|-------|-----------------|

Capacity: 1 200 m² (at 50W/m²)
depending on the primary temperature and temperature drop.

Delivery: In individual units



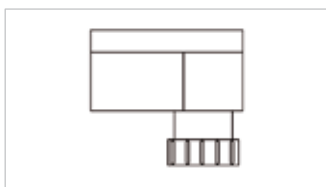
Thermotech Actuator XXL - 24 V

67006

€ 200 per unit

3-point actuator for control of 2- and 3-way valve for mixing units.

Included in a standard delivery of TMix® XXL.



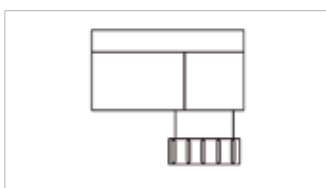
Thermotech Actuator XXL - 230 V

67005

€ 200 per unit

3-point actuator for control of 2- and 3-way valve for mixing units.

Fits directly on the 2-way valve for TMix® XXL.



Thermotech Actuator XXL - 24V convertible

67008

€ 240 per unit

Actuator with a convertible control signal for 0-10V or 3-point.

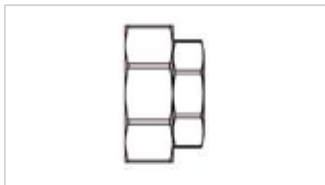
Mixing units - TMix® XXL

Picture

Product information

Product ID

Price €



**Thermotech Fitting for secondary side
2" internal thread – 1 1/4" internal thread**

51601

€ 15 per unit


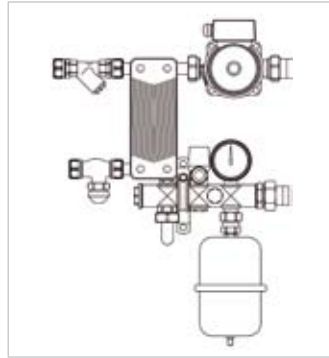
Complete fitting in nickel plated brass.

Are as a standard assembled on the secondary side fittings of the TMix® XXL.

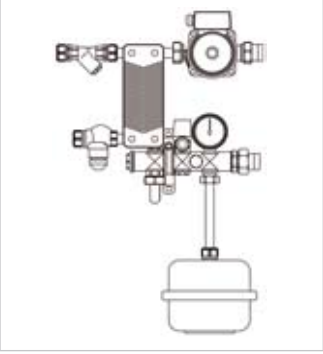
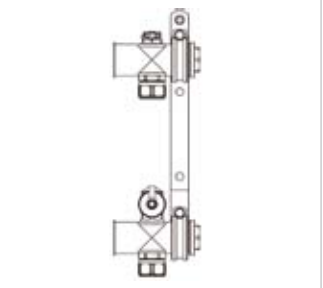


Thermotech Mixing unit TMix® XXL connected to a 2" Group manifold




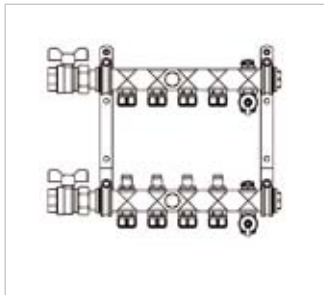
Heat exchanger package - TMix[®] E20 och TMix[®] E30

| Picture | Product information | Product ID | Price € |
|--|---|------------|-----------------|
|  | <p>TMix[®] E20 och TMix[®] E30</p> <p>The heat exchanger package can be connected directly to Thermotech's underfloor heating manifolds or industrial manifolds. The package can be controlled manually, with an automatic thermostat, or by an actuator.</p> <p>The heat exchanger is designed to be installed on the left side of the manifold but can also be delivered for right-sided installations.</p> <p>Both versions of the heat exchanger package TMix[®] E are delivered with standard pump, but can also be ordered with an autoadapt pump. When ordering an autoadapt pump (Product ID: 67826) € 80 will be added to the price below.</p> | | |
|  | <p>TMix[®] E20</p> <p>Each package has the following components;</p> <ul style="list-style-type: none"> • Heat exchanger • Circulation pump • Dirt filter 1/2" • Thermostatic valve • Safety valve, 4 bar • Manometer, 0-6 bar • Expansion vessel, 1 litre <p>Heating: Max area 80 m² (50W/m², ΔT = 5°C) Outdoor room: Max area 60 m² (100W/m², ΔT = 8°C) Snow melting: Max area 50 m² (300W/m², ΔT = 15°C)</p> | | |
| | <p>Control options TMix[®] E20</p> | | |
| | <p>TMix[®]E20 Manual control by a hand wheel on the thermostatic valve.</p> | 51521 | € 805 per unit |
| | <p>TMix[®]E20-R A limited return temperature measuring instrument on the thermostatic valve's primary side.</p> | 51522 | € 870 per unit |
| | <p>TMix[®]E20-L A temperature measuring instrument with an air temperature sensor.</p> | 51523 | € 890 per unit |
| | <p>TMix[®]E20-V A temperature measuring instrument with a flow temperature sensor.</p> | 51524 | € 850 per unit |
| | <p>TMix[®]E20-M A three-point electric actuator on the thermostatic valve.</p> | 51525 | € 1010 per unit |

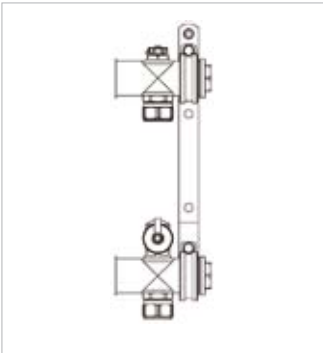
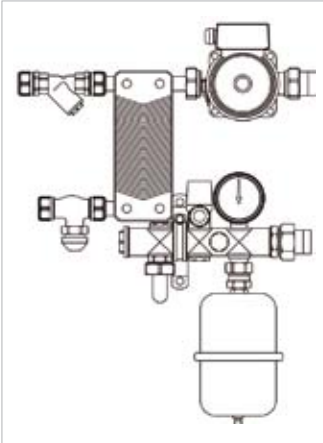
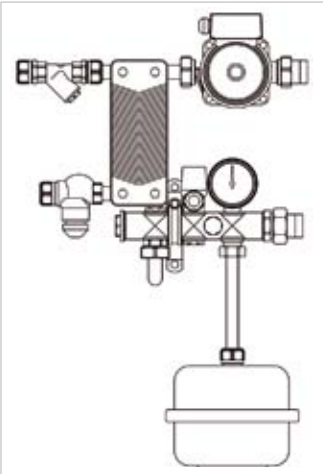
Heat exchanger package - TMix[®] E20 och TMix[®] E30

| Picture | Product information | Product ID | Price € |
|---|--|------------|-----------------|
|  | <p>TMix[®] E30</p> <p>Each package has the following components;</p> <ul style="list-style-type: none"> • Heat exchanger, 30 sheet metal • Circulation pump • Dirt filter 1/2" • Thermostatic valve • Safety valve, 4 bar • Manometer, 0-6 bar • Expansion vessel, 2 litre <p>Heating: Max area 150 m² (50W/m², ΔT = 5°C) Outdoor room: Max area 120 m² (100W/m², ΔT = 8°C) Snow melting: Max area 80 m² (300W/m², ΔT = 15°C)</p> <p>Control options TMix[®] E30</p> <p>TMix[®]E30 Manual control by a hand wheel on the thermostatic valve.</p> <p>TMix[®]E30-R A limited return temperature measuring instrument on the thermostatic valve's primary side.</p> <p>TMix[®]E30-L A temperature measuring instrument with an air temperature sensor.</p> <p>TMix[®]E30-V A temperature measuring instrument with a flow temperature sensor.</p> <p>TMix[®]E30-M A three-point electric actuator on the thermostatic valve.</p> | | |
| | | 51531 | € 805 per unit |
| | | 51532 | € 870 per unit |
| | | 51533 | € 890 per unit |
| | | 51534 | € 850 per unit |
| | | 51535 | € 1010 per unit |
|  | <p>Thermotech 1-loop manifold</p> <p>Necessary when connecting 1 loop to Thermotech heat exchanger package TMix[®]E.</p> <p>Fittings: 17 x 2mm</p> <p>If more than one loop is needed we recommend using Thermotech Industrial manifold 1" (for more information see page 30).</p> | 50701-4 | € 80 per unit |





Snow melting - Assortment 20

| Picture | Product information | Product ID | Price € |
|---|--|--|---|
|  | <p>Thermotech Underfloor heating pipe 20 x 2 mm</p> <p>A 5-layer pipe with an oxygentight diffusion barrier. Suitable for all types of underfloor heating installations.</p> <p>Lenght/roll: 240 m 450 m</p> <p>Colour: Blue</p> | <p>20060-240 20060-450</p> | <p>Price per roll € 485 € 902</p> |
|  | <p>Thermotech Clip rail 16-20</p> <p>Plastic clip rail for fastening Thermotech PE-RT pipes with a diameter of 16-20 mm.</p> <p>Lenght: 1 m Material consumption: 0.8 m/m² at c/c 300 Delivery: 10 m/bundle or in individual units</p> | <p>20133-20</p> | <p>€ 3,10 per unit</p> |
|  | <p>Thermotech Pipe ties 4,8 x 200 mm</p> <p>Plastic ties used to fix the Thermotech PE-RT pipes to a welded wire mesh.</p> <p>Delivery: 100 per pack</p> | <p>20131</p> | <p>€ 4,80 per pack</p> |
|  | <p>Thermotech Industrial manifold with integrated return valve</p> <p>Manifold in stainless steel with integrated return valves. It is used for open-plan properties where the temperature is controlled by one single thermostat.</p> <p>The 1" industrial manifold is equipped with; consoles, ball valves, filling and draining valves, manual air vents and fittings 20 x 2 mm.</p> | | |
| | <p>The 1" industrial manifold comes in the following sizes;</p> <p>2 loops 3 loops 4 loops 5 loops 6 loops 7 loops 8 loops 9 loops 10 loops</p> | <p>50702 50703 50704 50705 50706 50707 50708 50709 50710</p> | <p>€ 142 per unit € 169 per unit € 196 per unit € 222 per unit € 249 per unit € 276 per unit € 302 per unit € 329 per unit € 355 per unit</p> |


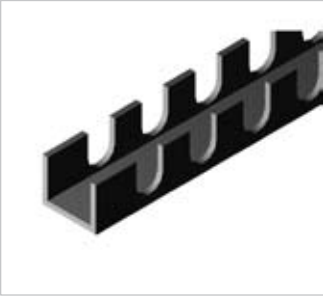


Snow melting - Assortment 20

| Picture | Product information | Product ID | Price € |
|---|--|------------|----------------|
|  | <p>Thermotech 1-loop manifold</p> <p>Necessary when connecting 1 loop to Thermotech heat exchanger package TMix®E.</p> <p>Fittings: 17 x 2 mm</p> <p>If more than one loop is needed we recommend using Thermotech Industrial manifold 1" (more information on the previous page).</p> | 50701-4 | € 80 per unit |
|  | <p>Thermotech Heat exchanger package TMix®E20</p> <p>Complete heat exchanger package in stainless steel, suitable for up to 50m².</p> <p>Each package has the following components;</p> <ul style="list-style-type: none"> • Heat exchanger • Circulation pump • Dirt filter 1/2" • Thermostatic valve • Safety valve, 4 bar • Manometer, 0-6 bar • Expansion vessel, 1 litre <p>Capacity: Approximately 50 m² snow melting (300 W/m², 15°C temperature drop, 55°C on the primary side)</p> | 51500-20 | € 805 per unit |
|  | <p>Thermotech Heat exchanger package TMix®E30</p> <p>Complete heat exchanger package in stainless steel, suitable for up to 80m².</p> <p>Each package has the following components;</p> <ul style="list-style-type: none"> • Heat exchanger, 30 sheet metal • Circulation pump • Dirt filter 1/2" • Thermostatic valve • Safety valve, 4 bar • Manometer, 0-6 bar • Expansion vessel, 2 litre <p>Capacity: Approximately 80 m² snow melting (300 W/m², 15°C temperature drop, 55°C on the primary side)</p> | 51500-30 | € 805 per unit |





Snow melting - Assortment 20

| Picture | Product information | Product ID | Price € |
|---|---|------------|----------------|
|  | <p>Thermotech Snow melting thermostat, ETO-1550</p> <p>The thermostat controls the snow melting system in an economical way. When there is a combination of low outdoor temperature and moisture, ice is formed. The thermostat sense both temperature and moisture and normally activates the snow melting system at the occurrence of snow or ice.</p> <p>The thermostat is assembled on a DIN-rail in a central or on a wall, including cover. If the snow melting system is installed in a large area two ETOG-sensors can be connected to the thermostat.</p> | 68001 | € 425 per unit |
|  | <p>Thermotech Moisture and temperature sensor, ETOG-55</p> <p>The sensor is assembled in places where there often is problems with snow and ice. The top of the sensor is placed at the same level as the surrounding ground surface.</p> | 68002 | € 365 per unit |
|  | <p>Thermotech Automatic thermostat - Water</p> <p>Thermostat handle to be assembled on the thermostat valve. The sensor is assembled in the probe or in a contact rail. Some valves need an adapter.</p> <p>Temperature range: 20 - 50°C</p> <p>Colour: White Delivery: In individual units</p> | 51903 | € 57 per unit |
|  | <p>Thermotech Temperature sensor for limiting the return flow</p> <p>Thermostat handle to be assembled on the thermostatic valve. The sensor is built-in in the handle and sense the temperature of the valve.</p> <p>Temperature range: 20 - 50°C</p> <p>Colour: White Delivery: In individual units</p> | 51908 | € 41 per unit |





Snow melting - Assortment 25

| Picture | Product information | Product ID | Price € |
|---|--|------------------------|------------------------------------|
|  | <p>Thermotech Underfloor heating pipe 25 x 2,3 mm</p> <p>A pipe without an oxygentight diffusion barrier, suitable for snow melting installations. Can be used if the snow melting system is connected to the heating system via a heat exchanger.</p> <p>Lenght/roll: 350 m Material consumption: 4 - 4,2 m/m² at c/c 250 Delivery: In individual units Colour: White</p> <p>When ordering more than 5.000m of pipe you can get the lenghts of the roll into line with your needs.</p> | 20050-025 | € 2,65 per m |
|  | <p>Thermotech Clip rail 25</p> <p>For fastening Thermotech PE-RT pipes 25 x 2.3 mm.</p> <p>Lenght: 4 m Widht: 50 mm Material consumption: 0.3-0.4 m/m² at c/c 400 Delivery: In individual units</p> | 20133-25 | € 6,20 per unit |
|  | <p>Thermotech Pipe ties 4,8x200mm</p> <p>Plastic ties used to fix the pipes to a welded wire mesh.</p> <p>Delivery: 100 per pack</p> | 20131 | € 4,80 per pack |
|  | <p>Single manifold for snow melting, c/c 150mm</p> <p>Single manifold for snow melting for 40 loops at c/c 150 mm. Delivered as one extension with a lenght of up to 6 m. End cover and socket welded on the manifold can be ordered.</p> <p>75 mm PE-pipe 110 mm PE-pipe</p> | 59115-075 59115-110 | € 1150 per unit € 1200 per unit |



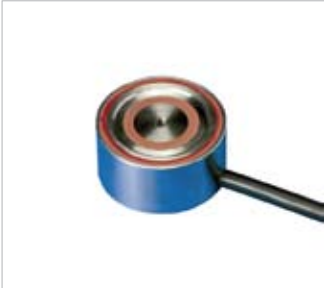
Snow melting - Assortment 25

| Picture | Product information | Product ID | Price € |
|---|---|--------------------------------|--|
|  | <p>Double manifold for snow melting, c/c 150 mm</p> <p>Double manifold for snow melting for 80 loops at c/c 150 mm. Delivered as one extension with a length of up to 6 m. End cover and socket welded on the manifold can be ordered.</p> <p>75 mm PE-pipe 110 mm PE-pipe</p> | <p>59215-075 59215-110</p> | <p>€ 2050 per unit € 2100 per unit</p> |
|  | <p>Single manifold for snow melting, c/c 500mm</p> <p>Single manifold for snow melting for 12 loops at c/c 500 mm. Delivered as one extension with a length of up to 6 m. End cover and socket welded on the manifold can be ordered.</p> <p>75 mm PE-pipe 110 mm PE-pipe</p> | <p>59150-075 59150-110</p> | <p>€ 500 per unit € 550 per unit</p> |
|  | <p>Double manifold for snow melting, c/c 500mm</p> <p>Double manifold for snow melting for 24 loops at c/c 500 mm. Delivered as one extension with a length of up to 6 m. End cover and socket welded on the manifold can be ordered.</p> <p>75 mm PE-pipe 110 mm PE-pipe</p> | <p>59250-075 59250-110</p> | <p>€ 780 per unit € 820 per unit</p> |
|  | <p>Metal flange</p> <p>Metal flange DN 75 Metal flange DN 110</p> | <p>59310-075 59310-110</p> | <p>€ 40 per unit € 55 per unit</p> |

Snow melting - Assortment 25

| Picture | Product information | Product ID | Price € |
|---|--|------------------------|--------------------------------|
|  | Socket Delivered welded on the manifold when ordered. | | |
| | Socket DN 75 Socket DN 110 | 59320-075 59320-110 | € 20 per unit € 28 per unit |
|  | End cover Delivered welded on the manifold when ordered. | | |
| | End cover DN 75 End cover DN 110 | 59330-075 59330-110 | € 26 per unit € 43 per unit |
|  | Electric weld socket Used when welding the manifold extension pieces. | | |
| | Electric weld socket DN 75 Electric weld socket DN 110 | 59340-075 59340-110 | € 20 per unit € 30 per unit |
|  | Electric weld socket 25mm Used when welding the manifold exits to the pipes. | 59340-025 | € 8 per unit |


Snow melting - Assortment 25

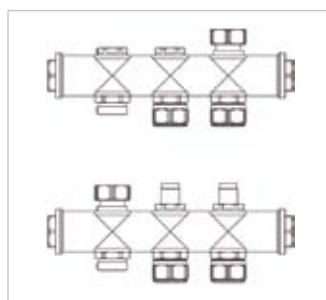
| Picture | Product information | Product ID | Price € |
|---|---|------------|----------------|
|  | <p>Fitting, straight 25 mm</p> <p>Complete fitting in nickel plated brass; nut, cone and ring. Used for connecting 25 x 2.3 mm pipes together.</p> <p>Material consumption: 2 per loop Delivery: In individual units</p> | 33110-25 | € 10 per unit |
|  | <p>Thermotech Snow melting thermostat, ETO-1550</p> <p>The thermostat controls the snow melting system in an economical way. When there is a combination of low outdoor temperature and moisture, ice is formed. The thermostat sense both temperature and moisture and normally activates the snow melting system at the occurrence of snow or ice.</p> <p>The thermostat is assembled on a DIN-rail in a central or on a wall, including cover. If the snow melting system is installed in a large area two ETOG-sensors can be connected to the thermostat.</p> | 68001 | € 425 per unit |
|  | <p>Thermotech Moisture and temperature sensor, ETOG-55</p> <p>The sensor is assembled in places where there often is problems with snow and ice. The top of the sensor is placed at the same level as the surrounding ground surface.</p> | 68002 | € 365 per unit |



Installation of Thermotech snowmelting system

Electric boilers

| Picture | Product information | Product ID | Price € |
|---|---|------------|----------------|
|  | <p>Thermotech Electric boiler 2kW</p> <p>Complete 2kW electric boiler for areas up to 40m². The thermostat in the boiler is designed to work at temperatures suitable for all underfloor heating systems.</p> <p>The electric boiler is designed for indoor installations. It can be connected to pressurised systems as it has a sealed expansion vessel. The boiler has electrical fittings and gets its electricity from the wall socket plug. The temperature can be adjusted by a room thermostat connected to the boiler.</p> <p>In areas larger than one loop can cover (approximately 20m² with 17 mm pipes), more loops have to be installed. The manifold for two or three loops can then easily be connected to the 2kW electric boiler.</p> <p>Each boiler has the following components;</p> <ul style="list-style-type: none"> • Stainless steel pipe water tank • A 2000W stainless electric element, connected with a wall socket plug. • Bipolar overheating protection • One operational thermostat 30 – 90°C (adjustable) • Circulation pump • Stainless steel expansion vessel (sealed) • Safety valve • Filling and draining valves • Manometer <p>Weight: 6.2 kg</p> | | |
| | Electric boiler with manifold; | | |
| | 1 loop | 20503-01 | € 730 per unit |
| | 2 loops | 20503-02 | € 855 per unit |
| | 3 loops | 20503-03 | € 890 per unit |



Thermotech Manifold for electric boiler 2kW

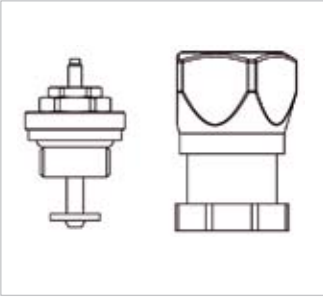


If more than 1 loop is needed a TMix[®] S manifold can be ordered extra. The manifold in stainless steel has extensions for flow and return and fittings for 17 x 2 mm Thermotech PE-RT pipes.

| | | |
|---------|-------|----------------|
| 2 loops | 52202 | € 100 per pair |
| 3 loops | 52203 | € 120 per pair |


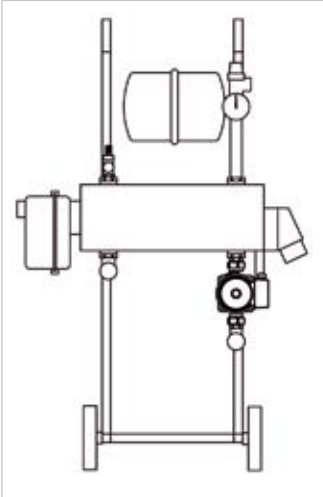
Delivery: In pairs

The manifold for mixing unit TMix[®] S can be equipped with integrated thermostatic valves and actuators for individual room temperature control (Product ID for the package: 51105).

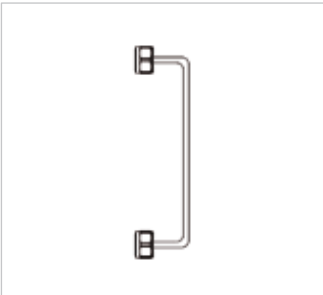
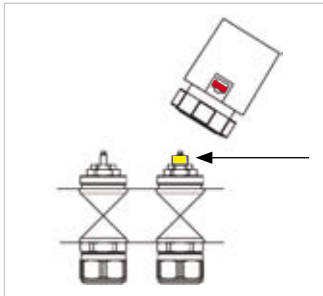
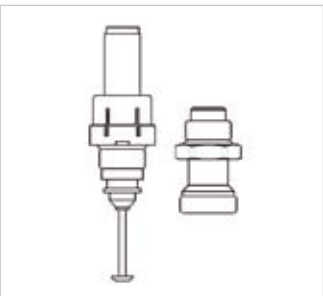
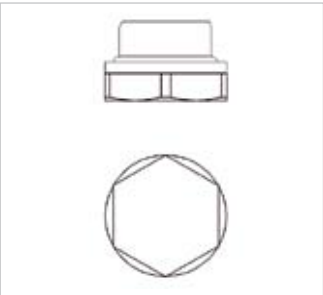
Electric boilers

| Picture | Product information | Product ID | Price € |
|---|--|------------|--------------------|
|  | <p>Thermotech Package for thermostatic valve A package with an integrated thermostatic valve and manual wheel for the manifold for mixing unit TMix® S.</p> <p>Used when individual room temperature control is needed and is completed with an actuator, room thermostat and fitting box.</p> <p>Delivery: Package with thermostatic valve and manual wheel</p> | 51105 | € 6,50 per package |
|  | <p>Thermotech Electric boiler 6kW/9kW</p> <p>Complete electric boiler for underfloor heating installations for areas up to 120 m².</p> <p>Each boiler has the following components;</p> <ul style="list-style-type: none"> • Circulation pump • Expansion vessel • Safety valve • Residual current operated circuit-breaker • Automatic air vent • Thermostat (two grades) • Safety thermostat • Manometer and thermometer <p>Heating element 6kW (3 + 3kW) 25406 € 1300 per unit Heating element 9kW (4.5 + 4.5kW) 25409 € 1400 per unit</p> <p>Measurement: 930 x 330 x 230 mm Weight: 34 kilo per unit</p> | | |
|  | <p>Thermotech Heater MINI350H</p> <p>Thermotech Heater MINI 350H is used when the regular heating source is turned off, for example during the summer. It is suitable for areas up to approximately 12 m². The heater can be delivered assembled on either of Thermotech's mixing units TMix® S, TMix® M or the Integral, or be assembled on an already existing installation.</p> <p>Heating element 350W 230V Fitting 1" external thread with O-ring for sealing Temperature range thermostat 5-45°C</p> <p>Package for Integral and Mixing unit TMix® M 20902 € 170 per unit Package for Mixing unit TMix® S with manifold 20903 € 170 per unit Package for Mixing unit TMix® S without manifold (i.e. one loop) 20904 € 170 per unit</p> <p>Safety valve is included in the package.</p> | | |

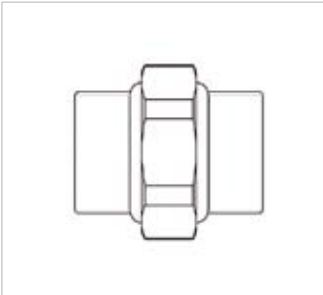
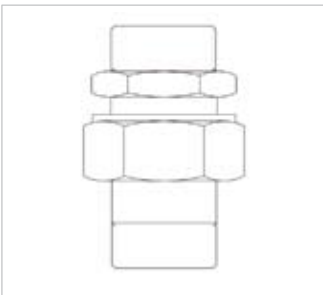

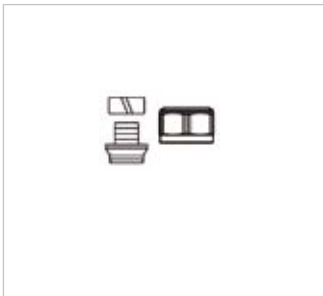
Electric boilers

| Picture | Product information | Product ID | Price € |
|---|--|------------|-----------------|
|  | <p>Thermotech Electric boiler MINI350B</p> <p>MINI 350B is a complete 350W electric boiler. The electric boiler can be used as a heating boiler for small areas up to approximately 7 m², or as a comfort heater for areas up to 12 m².</p> <p>Each boiler has the following components;</p> <ul style="list-style-type: none"> • MINI 350H heater assembled in the manifold extension for 1 loop • 5 – 45°C thermostat • Safety valve • Circulation pump • Filling plug • Fittings for 12 x 2 mm pipes (standard). <p>The boiler is as a standard delivered with Euroconus thread and fittings for 12 x 2 mm pipes. The fittings can easily be changed to fit pipe dimensions from 8-20mm. Product ID: 62221, 62222, 62224, 50000-12, 50000-16, 50000-17 and 50000-20.</p> | 51001 | € 360 per unit |
|  | <p>Thermotech Electric boiler for building places, 6kW</p> <p>A complete electric boiler used when starting up a slab-on-grade underfloor heating installation to reduce the time it takes for the concrete to dry out.</p> <p>The boiler has electrical fittings for a wall socket plug and has flexible pipes for fitting to the manifold. A stand which can be dismantled is included.</p> <p>Please contact your nearest regional dealer for more technical information.</p> | 25407 | € 1350 per unit |





Accessories

| Picture | Product information | Product ID | Price € |
|---|--|---|---|
|  | <p>Thermotech By-pass for Underfloor heating manifold</p> <p>Complete by-pass fitting to be assembled between the end pieces of the underfloor heating manifold. The by-pass secure flow through the manifold when all the valves are closed.</p> <p>Delivery: In individual units</p> | 50001 | € 20 per unit |
|  | <p>Thermotech By-pass adaptor</p> <p>The adaptor fits on the spider of the valve. It prevents the actuator from closing the valve completely. This means that a small flow is circulating through the loop, even when the room thermostat is not calling for heat.</p> <p>Delivery: In individual units</p> | 50017 | € 3,70 per unit |
|  | <p>Thermotech Flow meter for Underfloor heating manifold</p> <p>Flow meter for visual control of the flow for each loop. The flow meter should be installed in the return extension.</p> <p>Delivery: In individual units</p> | 50050 | € 20 per unit |
|  | <p>Thermotech Plug</p> <p>Plug in nickel plated brass with O-ring in rubber.</p> <p>3/8" external thread</p> <p>1/2" external thread</p> <p>3/4" external thread</p> <p>1" external thread</p> | <p>53107-10</p> <p>53107-15</p> <p>53107-20</p> <p>53107-25</p> | <p>€ 1,20 per unit</p> <p>€ 1,30 per unit</p> <p>€ 1,44 per unit</p> <p>€ 6,20 per unit</p> |

Accessories

| Picture | Product information | Product ID | Price € |
|---|--|------------|-----------------|
|  | <p>Thermotech Nipple for extending 1" manifold</p> <p>Nipple with glue on the threads for extension of 1" manifolds.</p> <p>Delivery: In individual units</p> | 53105-25 | € 5 per unit |
|  | <p>Thermotech Nipple for connecting 1" manifold and mixing units</p> <p>Nipple for connecting 1" manifolds and mixing units.</p> <p>The fitting has external thread * union * external thread.</p> | 53106-25 | € 11 per unit |
|  | <p>Thermotech Console 35</p> <p>Complete set of consoles for assembling the manifold on the wall. Adaptors for the DIN-rail are included. This console is standard on the 1" manifolds.</p> <p>C/c: 200 mm</p> <p>Delivery: In pairs</p> | 50002-35 | € 13 per pair |
|  | <p>Thermotech Fitting 12/17/20</p> <p>Complete fitting in nickel plated brass, including nut, cone and ring.</p> <p>As a standard the fitting in dimension 17 is assembled on the underfloor heating manifold 17, but it can easily be exchanged to other dimensions.</p> <p>All fittings have inside thread 3/4" Eurocone.</p> | | |
| | Fitting 12 | 50000-12 | € 3,60 per unit |
| | Fitting 16 | 50000-16 | € 3,60 per unit |
| | Fitting 17 | 50000-17 | € 3,60 per unit |
| | Fitting 20 | 50000-20 | € 3,60 per unit |


Accessories

| Picture | Product information | Product ID | Price € |
|---|--|------------|------------------|
|  | Thermotech Fitting R15, straight, inside thread Complete fitting in nickel plated brass, including nut, cone and ring. | | |
| | Fitting 12 | 53100-12 | € 4 per unit |
| | Fitting 17 | 53100-17 | € 6,20 per unit |
| | Fitting 20 | 53100-20 | € 6,20 per unit |
|  | Thermotech Fitting R25, straight, internal thread Complete fitting in nickel plated brass, including nut, cone and ring. | | |
| | Fitting 25 x R25 | 33120-25 | € 6,90 per unit |
| | Fitting 32 x R25 | 33120-32 | € 8,70 per unit |
|  | Thermotech Fitting R15, straight, external thread Complete fitting in nickel plated brass, including nut, cone and ring. | | |
| | Fitting 12 | 53101-12 | € 4 per unit |
| | Fitting 17 | 53101-17 | € 6,20 per unit |
| | Fitting 20 | 53101-20 | € 6,90 per unit |
|  | Thermotech Fitting R25, straight, external thread Complete fitting in nickel plated brass, including nut, cone and ring. | | |
| | Fitting 25 x R25 | 33130-25 | € 9,30 per unit |
| | Fitting 32 x R25 | 33130-32 | € 12,10 per unit |

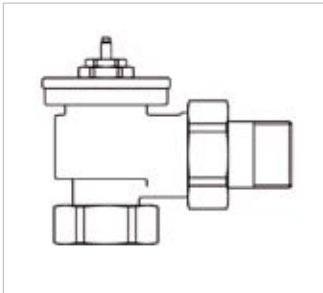
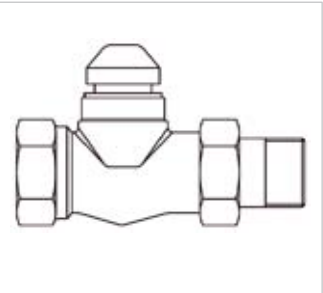
Accessories

| Picture | Product information | Product ID | Price € |
|---|---|------------|-----------------|
|  | Thermotech Fitting, straight | | |
| | Complete fitting in nickel plated brass, including nut, cone and ring. Used for connecting Thermotech PE-RT pipes together. | | |
| | Fitting 12 x 12 | 53102-12 | € 8,80 per unit |
| | Fitting 17 x 17 | 53102-17 | € 9 per unit |
| | Fitting 20 x 20 | 53102-20 | € 9,50 per unit |
|  | Thermotech Fitting, straight | | |
| | Complete fitting in nickel plated brass, including nut, cone and ring. Used for connecting Thermotech PE-RT pipes together. | | |
| | Fitting 25 x 2.3 | 33110-25 | € 10 per unit |
| | Fitting 32 x 3.0 | 33110-32 | € 14 per unit |
|  | Thermotech Fitting, angle 90°, R15, external thread | | |
| | Complete fitting in nickel plated brass, including nut, cone and ring. | | |
| | Fitting 12 x 2 | 53103-12 | € 5,30 per unit |
| | Fitting 17 x 2 | 53103-17 | € 5,50 per unit |
| | Fitting 20 x 2 | 53103-20 | € 6 per unit |
|  | Thermotech Fitting, angle 90°, R15, internal thread | | |
| | Complete fitting in nickel plated brass, including nut, cone and ring. | | |
| | Fitting 12 x 2 | 53104-12 | € 6,50 per unit |
| | Fitting 17 x 2 | 53104-17 | € 6,80 per unit |
| | Fitting 20 x 2 | 53104-20 | € 7,30 per unit |

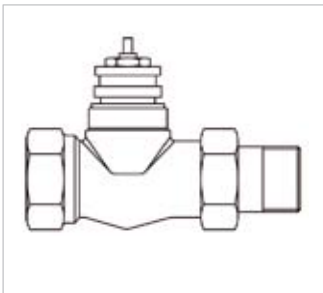
Accessories

| Picture | Product information | Product ID | Price € |
|---|---|---|--|
|  | <p>Thermotech Fitting, angled</p> <p>Complete fitting in nickel plated brass, including nut, cone and ring. Used for connecting Thermotech PE-RT pipes together.</p> <p>Fitting 12 x 2 Fitting 17 x 2 Fitting 20 x 2</p> | <p>53113-12 53113-17 53113-20</p> | <p>€ 9,50 per unit € 11 per unit € 12 per unit</p> |
|  | <p>Thermotech Fitting, angle 90°, R25, internal thread</p> <p>Complete fitting in nickel plated brass, including nut, cone and ring.</p> <p>Fitting 25 x 2.3 Fitting 32 x 3.0</p> | <p>33140-25 33140-32</p> | <p>€ 9 per unit € 9,50 per unit</p> |
|  | <p>Thermotech Fitting, angle 90°, R25, external thread</p> <p>Complete fitting in nickel plated brass, including nut, cone and ring.</p> <p>Fitting 25 x 2.3 Fitting 32 x 3.0</p> | <p>33150-25 33150-32</p> | <p>€ 9,50 per unit € 14 per unit</p> |
|  | <p>Thermotech Thermostatic valve DN 15</p> <p>Valve in nickel plated brass on which actuator (Product ID: 67024, with adaptor 67028) or automatic thermostat (Product ID: 51903 or 51904) can be assembled.</p> <p>Fitting for pipes is not included.</p> <p>Kvs value : 3,5 Connection: Eurocone 3/4" x Eurocone 3/4"</p> <p>Union 1/2" (Product ID: 53129) with swivelling nut as accessories.</p> | <p>53112</p> | <p>€ 20 per unit</p> |

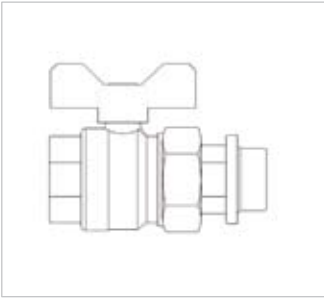
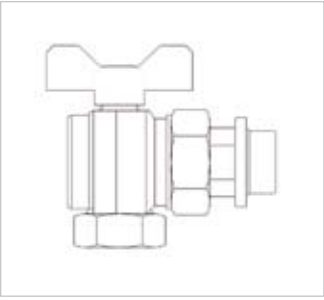
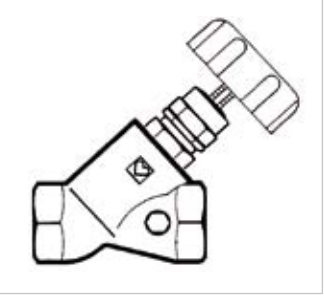

Accessories

| Picture | Product information | Product ID | Price € |
|---|---|------------|----------------|
|  | <p>Thermotech Thermostatic valve in angle DN 20</p> <p>Valve in brass on which actuator (Product ID: 67025) or automatic thermostat (Product ID: 20330-x) can be assembled. Recommended to be used as zone valve together with one centrally placed thermostat.</p> <p>Capacity : Approx. 220m² (at 50W/m²) Kvs value ; 7.0 Connection : 3/4" internal thread x external thread 3/4"</p> | 67503 | € 45 per unit |
| | <p>Zone control EC Complete</p> <p>Complete package for zone control, consisting of valve in angle, actuator, transformer and connection box EC 2.</p> <p>The package is used when a centrally placed thermostat controls individual manifolds with electric connection at each manifold.</p> | 67503-1 | € 107 per unit |
| | <p>Zone control with valve and actuator</p> <p>Complete package for zone control, consisting of valve in angle and actuator.</p> <p>The package is used when a centrally placed thermostat controls individual manifolds and the electric connection can be done in one place for all the manifolds, for example with a connection box EC 5 or EC 10 (must be ordered separately).</p> | 67503-2 | € 70 per unit |
|  | <p>Thermotech Thermostatic valve DN 25</p> <p>Valve in brass on which automatic thermostat (Product ID: 51903 or 51904) can be assembled. Recommended use as zone valve together with one central thermostat.</p> <p>Capacity : Approx. 150m² (50W/m²) Kvs value ; 5.1 Connection : 1" internal thread x external thread 1", with swivelling nut</p> | 67505 | € 39 per unit |
| | <p>Zone control S Constant Complete</p> <p>Complete package for zone control, consisting of valve and automatic thermostat with an external sensor to be assembled in the probe (Product ID: 51904).</p> <p>The package is used when a centrally placed thermostat controls individual manifolds without electric connection, for example in a garage.</p> | 67505-1 | € 72 per unit |

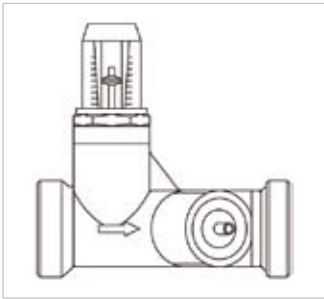
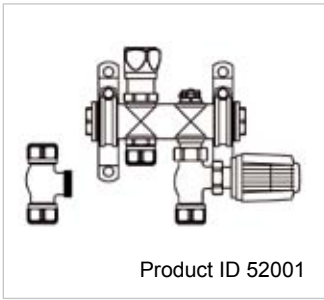
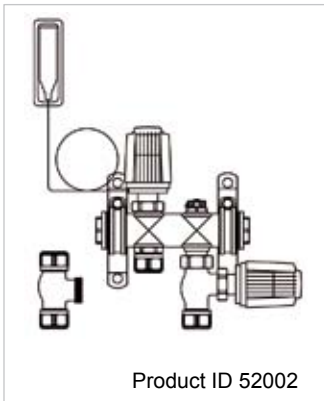
Accessories

| Picture | Product information | Product ID | Price € |
|--|---|------------|---------------|
| | <p>Zone control S Complete Complete package for zone control, consisting of valve, automatic thermostat with external air sensor (Product ID: 51904).</p> <p>The package is used when a centrally placed thermostat regulates individual manifolds without electric connection. For example in a garage.</p> | 67505-2 | € 74 per unit |
|  | <p>Thermostech Thermostatic valve DN 25 Valve in brass, including adapter, on which actuator (Product ID: 67024) can be assembled. Recommended use as zone valve together with one centrally placed thermostat.</p> <p>Capacity : Approx. 150 m² (50W/m²) Kvs value ; 5.1 Connection : 1" internal thread x external thread 1", with swivelling nut</p> | 67510 | € 38 per unit |
| | <p>Zone control EC Complete Complete package for zone control consisting of valve, actuator, transformer and connection box EC 2.</p> <p>The package is used when a centrally placed thermostat controls individual manifolds with electric connection at each manifold.</p> | 67510-1 | € 93 per unit |
| | <p>Zone control with valve and actuator Complete package for zone control consisting of valve and actuator (including adapter).</p> <p>The package is used when a centrally placed thermostat controls individual manifolds and the electric connection can be done in one place for all the manifolds, for example with a connection box EC 5 or EC 10 (must be ordered separately).</p> | 67510-2 | € 56 per unit |


Accessories

| Picture | Product information | Product ID | Price € |
|---|---|--|--------------------------------|
|  | Thermotech Ball valve DN 25 Ball valve in nickel plated brass. Assembled on the underfloor heating manifold 17 (Product ID: 501XX). | | |
| | Red handle Blue handle Connections: 1" swivelling nut x external thread 1" | 53200 53201 | € 17 per unit € 17 per unit |
|  | Thermotech Ball valve DN 25, angled Ball valve in angle in nickel plated brass. Assembled on underfloor heating manifold 17 (Product ID: 503xx). Fits also other manifolds (Product ID: 507xx and 508xx). | | |
| | Red handle Blue handle Connections : 1" swivelling nut x external thread 1" | 53202 53203 | € 20 per unit € 20 per unit |
|  | Thermotech Group valve The Group valve is used to balance the flow between two or more manifolds connected to a heat source. | | |
| | 3/4" internal thread Kvs value 1" internal thread Kvs value Maximum pressure : Maximum temperature: | Suitable for an area of approx. 150m ² 6.12 (fully open valve) Suitable for an area of approx. 300m ² 10.4 (fully open valve) 10 bar 110 °C | 69001 69002 |
|  | Thermotech Regulating valve DN 15 Valve in nickel plated brass for balancing the flow. Fitting is not included. | 53111 | € 9,50 per unit |
| | Kvs value: Connections: | 1.8 Eurocone 3/4" x Eurocone 3/4" | |
| | Union 1/2" with swivelling nut as accessories (Product ID: 53129) | | |

Accessories


| Picture | Product information | Product ID | Price € |
|---|--|------------|----------------|
|  | <p>Thermotech Group valve with flow meter</p> <p>The Group valve is used to balance the flow between two or more manifolds connected to a heat source.</p> | | |
| | <p>Group valve DN 20 4-36 l/min Including connections on both sides of the valve 3/4" external thread</p> | 35300-020 | € 83 per unit |
| | <p>Group valve DN 20 4-36 l/min Including connections on both sides of the valve 1" external thread</p> | 35300-025 | € 108 per unit |
| | <p>Group valve DN 25 5-50 l/min 1" internal thread on both sides of the valve.</p> | 35300-25 | € 135 per unit |
| | <p>Group valve DN 32 10-80 l/min 1 1/4" internal thread on both sides of the valve.</p> | 35300-32 | € 155 per unit |
| — | | | |
|  <p>Product ID 52001</p> | <p>Thermotech R1 – Compact unit for return temperature limitation</p> <p>Complete unit for control of both room temperature and return temperature for one loop. Often used when under-floor heating is going to be installed in one single room.</p> <p>The unit is equipped with a thermostatic valve, a sensor for room temperature and a return temperature limiter.</p> <p>As a standard the connections is for dimension 17 x 2 mm underfloor heating pipes, but they can easily be changed to other dimension. The connection towards the heating system is standard for 15 mm copper pipes.</p> | 52001 | € 115 per unit |
|  <p>Product ID 52002</p> | <p>Note! The unit can not be installed in a single pipe system.</p> <p>Capacity with 17 x 2 mm pipes Approx. 8m² Capacity with 12 x 2 mm pipes Approx. 6m²</p> <p>R1 with return temperature limiter and room sensor (assembled on the unit)</p> | 52002 | € 170 per unit |

Accessories

| Picture | Product information | Product ID | Price € |
|---|---|------------|----------------|
|  | Thermotech Manifold Cabinet - surface mounting Cabinet for installations with either just a manifold, for a manifold combined with a mixing unit or for an integral. The cabinet is for surface mounting on to the wall. It has two legs that can be adjusted in height. The cabinet is made out of galvanised plate and is powder coated in white. It has a lockable door and there are two rails inside the cabinet where the manifold's consoles should be installed. Sizes (breadth x height, mm); Frame with door Cabinet 388 x 475 442 x 620 442 x 475 496 x 620 527 x 475 581 x 620 677 x 475 731 x 620 827 x 475 881 x 620 977 x 475 1031 x 620 1121 x 475 1175 x 620 | | |
| | | 52304 | € 130 per unit |
| | | 52305 | € 135 per unit |
| | | 52310 | € 140 per unit |
| | | 52315 | € 145 per unit |
| | | 52320 | € 155 per unit |
| | | 52325 | € 165 per unit |
| | | 52330 | € 175 per unit |

See installation instruction "IA302" for a table that shows what size manifold (how many loops) will fit in each cabinet. Only product ID 52310 and 52320 are kept in storage. All others must be ordered.

Delivery: In individual units

| | | | |
|---|---|------------------------------------|--|
|  | Thermotech Manifold Cabinet - mounted recessed in the wall The cabinet is mounted recessed in the wall with Thermotech Underfloor heating manifold or Integral. The cabinet is complete with pipe fixture with leak detection, frame and door. The cabinet is made out of plastic and is easily mounted together. The frame and door are made out of galvanised plate and are powder coated in white | | |
| | Number of loops Sizes (breadth x height) Complete cabinet Manifold 2-5 loops 495 x 680 mm 62376 € 126 per unit Manifold 6-7 loops 580 x 680 mm 62378 € 143 per unit Manifold 8-9 loops 730 x 680 mm 62380 € 160 per unit Manifold 10-12 loops 880 x 680 mm 62372 € 177 per unit | | |
| | Integral 2-3 loops 580 x 680 mm 62378-5 € 143 per unit Integral 4-7 loops 730 x 680 mm 62380-5 € 160 per unit Integral 8-10 loops 880 x 680 mm 62372-5 € 177 per unit | | |
| | Breadth for all sizes: | 101 mm | |
| | Delivery: | Not assembled, in individual units | |

Pictue of frame and door can be seen on the next page.

Accessories

Picture

Product information

Product ID

Price €



Thermotech Frame with door - mounted recessed in the wall

Frame with door for mounting recessed in the wall. The frame and door are made out of galvanised plate and are powder coated in white. The door is lockable.

The frame with door can be used for Thermotech Under-floor heating manifold, Integral och a mix of manifold and mixing units

Sizes (breadht x height);

| Inside dim | Outside frame dim | Product ID | Price € |
|--------------|-------------------|------------|-----------------|
| 513 x 775 mm | 455 x 720 mm | 52605 | € 69,5 per unit |
| 600 x 775 mm | 545 x 720 mm | 52610 | € 79,5 per unit |
| 750 x 775 mm | 695 x 720 mm | 52615 | € 89,5 per unit |
| 900 x 775 mm | 845 x 720 mm | 52620 | € 99,5 per unit |

Delivery: In individual units



Thermotech Pipe fixture with leak detection

The product is intended to be mounted below the under-floor heating manifold in order to fix the pipe, to facilitate a good-looking installation and to work as a leak detector while the system is in operation. Included as standard in Thermotech manifold cabinet that are mounted recessed in the wall.

| Number of loops | Sizes (breadht x height) | Product ID | Price € |
|----------------------|--------------------------|------------|---------------|
| Manifold 2-5 loops | 495 x 40 mm | 62276 | € 30 per unit |
| Manifold 6-7 loops | 580 x 40 mm | 62278 | € 33 per unit |
| Manifold 8-9 loops | 730 x 40 mm | 62280 | € 37 per unit |
| Manifold 10-12 loops | 880 x 40 mm | 62272 | € 42 per unit |
| Integral 2-3 loops | 580 x 40 mm | 62278-5 | € 33 per unit |
| Integral 4-7 loops | 730 x 40 mm | 62280-5 | € 37 per unit |
| Integral 8-10 loops | 880 x 40 mm | 62272-5 | € 42 per unit |

Breadth for all sizes: 101 mm

Delivery: In individual units



Thermotech Pipe decoiler


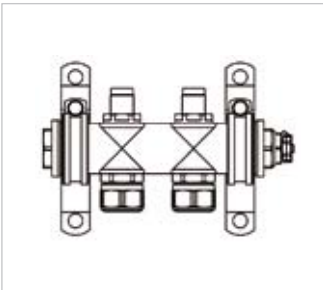
38007

€ 150 per unit

Pipe decoiler in steel. Fits roles in sizes 70-750 m.

Weight: 10.6kg
 Colour: Blue
 Delivery: In individual units

Accessories

| Picture | Product information | Product ID | Price € |
|---|--|------------|-----------------|
|  | <p>Thermotech Pipe bend support</p> <p>Pipe bend support in plastic or nylon. Is used for fixating the pipes up to the manifold or in places where tight bends are needed.</p> | | |
| | <p>Pipe bend support 12 For 12 mm pipes. Bending radius: 50mm Dy: 20mm Delivery: In individual units</p> | 20205-12 | € 1,30 per unit |
| | <p>Pipe bend support 17 For 17 mm pipes. Bending radius: 60 mm Dy: 25 mm Delivery: 50 per bag, 500 per box or in individual units</p> | 20205-17 | € 1,40 per unit |
| | <p>Pipe bend support 20 For 20 mm pipes. Bending radius: 100mm Dy: 30 mm Delivery: In individual units</p> | 20205-20 | € 1,50 per unit |
| | <p>Pipe bend support 25 For 25 mm pipes. Bending radius: 150mm Dy: 40 mm Delivery: In individual units</p> | 20205-25 | € 3,80 per unit |
| | <p>Pipe bend support 32 For 32 mm pipes or Pipe in pipe 25. Bending radius: 200mm Dy: 45 mm Delivery : In individual units</p> | 20205-32 | € 8,80 per unit |
| | <p>Pipe Bend Support 42 For 32 m Pipe in Pipe. Bending radius: 250mm Dy: 50 mm Delivery : In individual units</p> | 20205-42 | € 28 per unit |
|  | <p>Thermotech Airvent package, single loop</p> <p>Complete package for venting one single loop, for example a bathroom on the second floor connected to a manifold on the bottom floor.</p> | 50014 | € 70 per unit |
| | <p>Delivery: In individual units, assembled on console.</p> | | |

Accessories

Picture

Product information

Product ID

Price €

**Thermotech Manometer set**

53432

€ 20 per unit

Manometer set for pressure test of manifolds.
Can be assembled on the end pieces on all manifolds.

Connection: 3/4" internal thread
Pressure range: 0-6 bar



Detail of Thermotech Integral



Thermotech

www.thermotech.eu