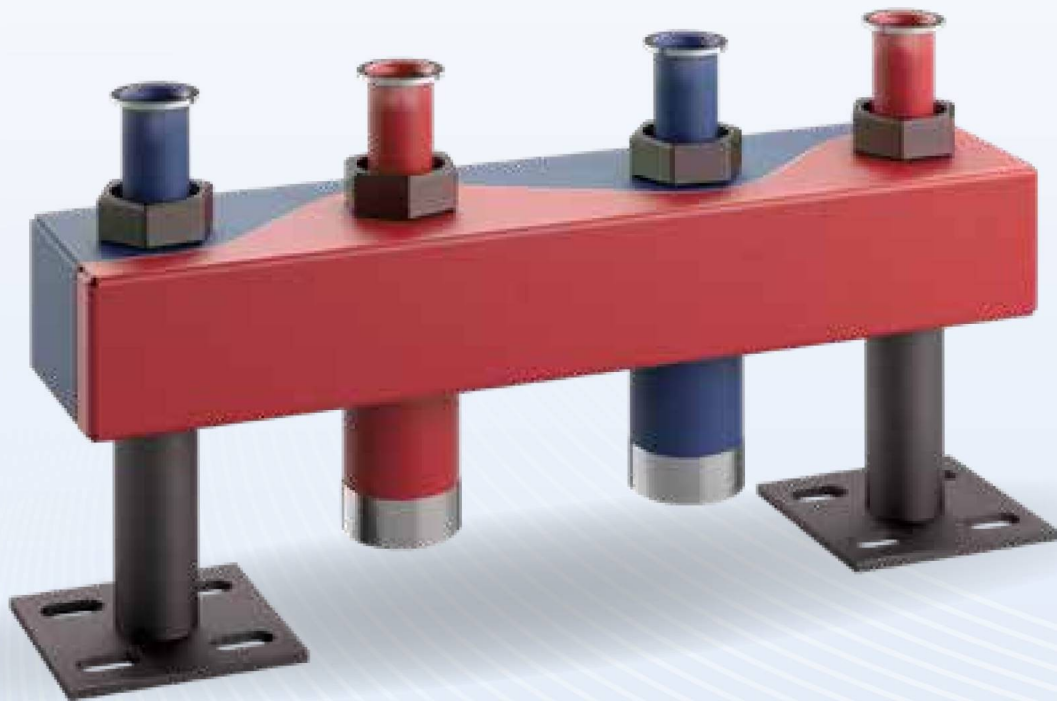


Small manifolds

Perfectly matched

Small Sinus manifold sets consisting of a manifold, EPP insulation and wall brackets



Connection options



Internal thread



Union nut



Thread



Small manifold 60/60



Combined flow and return manifold consisting of rectangular tubing with chambers made of black sheet steel S235 arranged adjacent to one another and separated by sinusoidal parting wall. The Sinus manifold is fully tightness-tested and primed before leaving the factory.

Hot water throughput 1.30 m³/h

Power at AT 20 K 30 kW

Design pressure 0 - 4 bar

Design temperature -10 - 110°C



Packaged as a SET

with 30 mm EPP insulation and wall bracket

Nozzle spacing 100 mm

| | Length in mm | 460 | 695 |
|-----------|------------------|----------|----------|
| Thread | Heating circuits | 2 | 3 |
| | Item no. | 9-10-052 | 9-10-053 |
| Union nut | Length in mm | 460 | 695 |
| | Heating circuits | 2 | 3 |
| | Item no. | 9-10-022 | 9-10-023 |

| Accessories | | Item no. |
|-------------|------|----------|
| Name plate | Red | 5-80-200 |
| | Blue | 5-80-201 |



Thread

Heating circuit connection: Threaded connections ½" external thread

Boiler circuit connection: Threaded connections 1" external thread



Union nut

Heating circuit connection: 1" union nut

Boiler circuit connection: Threaded connections 1" external thread

The space-saving manifold solution for smaller power classes

Utilise the advantages of the Sinus compact manifold, even in areas of application < 30 kW, whether it's fitted with union nuts for using appropriate pump groups (1") or with threaded connection (RI") for customised assembly.



- / Easy to assemble
- / Durable
- / Straightforward

Small manifold 80/60



Combined flow and return manifold consisting of rectangular tubing with chambers made of black sheet steel S235 arranged adjacent to one another and separated by sinusoidal parting wall. The Sinus manifold is fully tightness-tested and primed before leaving the factory.

| | |
|----------------------|-----------------------|
| Hot water throughput | 3.0 m ³ /h |
| Power at AT 20 K | 70 kW |
| Design pressure | 0-4 bar |
| Design temperature | -10 - 110°C |



Packaged as a SET
with 35 mm EPP insulation and wall bracket

Nozzle spacing 125 mm

| | Length in mm | 475 | 725 | 975 | 1225 | 1475 |
|----------------------------------|------------------|----------|----------|----------|----------|----------|
| T ₁ /R ₂ 3 | Heating circuits | 2 | 3 | 4 | 5 | 6 |
| | Item no. | 9-10-502 | 9-10-503 | 9-10-504 | 9-10-505 | 9-10-506 |
| Union nut | Length in mm | 475 | 725 | 975 | 1225 | 1475 |
| | Heating circuits | 2 | 3 | 4 | 5 | 6 |
| | Item no. | 9-10-452 | 9-10-453 | 9-10-454 | 9-10-455 | 9-10-456 |

Nozzle spacing 130 mm

| | Length in mm | 520 | 810 | 1100 | 1390 | 1680 |
|-----------|------------------|----------|----------|----------|----------|----------|
| Union nut | Heating circuits | 2 | 3 | 4 | 5 | 6 |
| | Item no. | 9-12-252 | 9-12-253 | 9-12-254 | 9-12-255 | 9-12-256 |

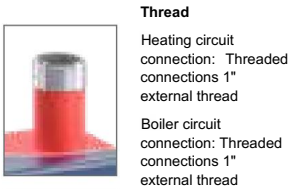
Nozzle spacing 200 mm

| | Length in mm | 700 | 1100 | 1500 | 1900 | 2300 |
|--|------------------|----------|----------|----------|----------|----------|
| T ₁ /R ₂ 3 1" | Heating circuits | 2 | 3 | 4 | 5 | 6 |
| | Item no. | 9-12-152 | 9-12-153 | 9-12-154 | 9-12-155 | 9-12-156 |

Accessories

| Name plate | | Item no. |
|------------|------|----------|
| | Red | 5-80-200 |
| | Blue | 5-80-201 |

More accessories on page 18



Thread

Heating circuit connection: Threaded connections 1" external thread

Boiler circuit connection: Threaded connections 1" external thread



Union nut

Heating circuit connection: 1" union nut

Boiler circuit connection: Threaded connections 1" external thread



Union nut

Heating circuit connection: 1" union nut

Boiler circuit connection: Threaded connections 1" external thread



Thread

Heating circuit connection: Threaded connections 1" external thread

Boiler circuit connection: Threaded connections 1" external thread

Ideal with:

Maintenance box (80/60) 1 up to 3.0 m³/h



The maintenance box, suitable for all small manifolds 80/60, as an optional accessory for magnetite separation with G 1" connections. Consisting of profile tubing 80x60, made from S235, connection: 2x G 1" Equipped with a sludge removal nozzle and 1/2" ball valve, as well as a magnetite bar screwed into a thermowell. To be attached to the boiler return beneath the manifold. Enables sludge removal in pressurised systems. Includes EPP insulation according to EnEV.

| | | Item no. |
|--------------------|--|----------|
| Suitable for | All small manifolds 80/60 | 1-99-460 |
| Throughput | 3.0 m ³ /h | |
| Design pressure | 0 - 4 bar | |
| Design temperature | -10 - 110°C | |
| Connection | 2x G 1 W | |
| Included in set | EPP insulation, ball valve, magnetite filter cartridge | |

Small manifold 120/80



Combined flow and return manifold consisting of rectangular tubing with chambers made of black sheet steel S235 arranged adjacent to one another and separated by sinusoidal parting wall. The Sinus manifold is fully tightness-tested and primed before leaving the factory.

| | |
|----------------------|-----------------------|
| Hot water throughput | 6.5 m ³ /h |
| Power at AT 20 K | 150 kW |
| Design pressure | 0 - 4 bar |
| Design temperature | -10 - 110°C |



Packaged as a SET

with 50 mm EPP insulation

Nozzle spacing 125 mm

| Z _{min} / n _{out} | Length in mm | | 480 | | 735 | | 990 | | 1245 | | 1500 | |
|-------------------------------------|------------------|---|-----|---|-----|---|----------|----------|----------|----------|----------|----------|
| | Heating circuits | 2 | 3 | 4 | 5 | 6 | Item no. | 9-14-452 | 9-14-453 | 9-14-454 | 9-14-455 | 9-14-456 |
| | | | | | | | | | | | | |

Nozzle spacing 130 mm

| Z _{min} / n _{out} | Length in mm | | 520 | | 810 | | 1100 | | 1390 | | 1680 | |
|-------------------------------------|------------------|---|-----|---|-----|---|----------|----------|----------|----------|----------|----------|
| | Heating circuits | 2 | 3 | 4 | 5 | 6 | Item no. | 9-14-252 | 9-14-253 | 9-14-254 | 9-14-255 | 9-14-256 |
| | | | | | | | | | | | | |

Nozzle spacing 200 mm

| L _{out} / n _{in} | Length in mm | | 700 | | 1100 | | 1500 | | 1900 | | 2300 | |
|------------------------------------|------------------|---|-----|---|------|---|----------|----------|----------|----------|----------|----------|
| | Heating circuits | 2 | 3 | 4 | 5 | 6 | Item no. | 9-14-152 | 9-14-153 | 9-14-154 | 9-14-155 | 9-14-156 |
| | | | | | | | | | | | | |

Accessories

| | | Item no. |
|---------------|------|----------|
| Stand bracket | | 5-60-120 |
| Wall bracket | | 5-60-121 |
| Name plate | Red | 5-80-200 |
| | Blue | 5-80-201 |

More accessories on page 18



Union nut
Heating circuit connection: 1½" union nut
Boiler circuit connection: Threaded connections 2" external thread



Union nut
Heating circuit connection: 1A" union nut
Boiler circuit connection: Threaded connections 2" external thread



Internal thread
Heating circuit connections: Bushing connections 1½"
Boiler circuit connection: Threaded connections 2" external thread








Ideal with:

Maintenance box (120/80) 2" up to 7.0 m³/h



The maintenance box, suitable for all small manifolds 120/80, as an optional accessory for magnetite separation with 1x top Rp 2", 1x bottom R 2" connections. Consisting of profile tubing 120/80, made from S235, connection: 1x top Rp 2", 1x bottom R 2". Equipped with a sludge removal nozzle and W ball valve, as well as a magnetite bar screwed into a thermowell. To be attached to the boiler return beneath the manifold. Enables sludge removal in pressurised systems. Includes EPP insulation according to EnEV.

| | | Item no. |
|--------------------|--|----------|
| Suitable for | All small manifolds 120/80 | 1-99-461 |
| Throughput | 7.0 m ³ /h | |
| Design pressure | 0-4 bar | |
| Design temperature | -10 - 110°C | |
| Connection | 1x top Rp 2", 1x bottom R 2" | |
| Included in set | EPP insulation, ball valve, magnetite filter cartridge | |

| | | Accessories | | Item no. |
|---|--------------------------------|---|--|--|
|  | Stand bracket | Stand bracket for 120/80 models Sound-insulated and galvanised, consisting of a base plate (150x150 mm) with stand pipe and top plate (120x120 mm) with a guide pipe including connecting screws, height-adjustable from 405 to 600 mm (2 stand brackets are required for each manifold). | | 5-60-120 |
|  | Wall bracket | Wall bracket for 120/80 models Sound-insulated and galvanised, consisting of a wall plate for screw fixing and support arm, top plate (120 x 120 mm), projection to centre of manifold: 200 mm (2 wall brackets are required for each manifold). | | 5-62-121 |
|  | Flange connection piece | Flange connection piece for 120/80 with 200 mm nozzle spacing For designing connections as flanged nozzles, consisting of a flange PN 6 (DIN 2631) and screw-in threaded nozzles 1 1/2", flanged nozzle height for spindle height of compact valves according to DIN EN 558/FTF-14 (previously F4). | 1 1/2" x DN 20 1 1/2" x DN 25 1 1/2" x DN 32 1 1/2" x DN 40 1 1/2" x DN 50 | 5-80-601 5-80-602 5-80-603 5-80-604 5-80-605 |
|  | Reducing nipple | Reducing nipple for 120/80 with 200 mm nozzle spacing For designing connections as threaded nozzles, consisting of cast iron and an external thread on both sides. | 1 1/2" X 1/4" 1 1/2" x 1" 1 1/2" X 1 1/4" 1 1/2" X 1 1/2" 1 1/2" x 2" | 5-80-611 5-80-612 5-80-613 5-80-614 5-80-615 |
|  | Threaded flange | Threaded flange for 120/80 models For designing the boiler flow and return connection as flanged nozzles. | DN 50, PN 6 | 5-80-606 |
|  | Name plate | Name plate Made of galvanised sheet steel with a transparent cover for three-line labelling, for screwing onto the thermal insulation. Size: 100 x 50 mm, colours: red for flow/blue for return | Red Blue | 5-80-200 5-80-201 |
|  | Adapter | Adapter For reducing 1 1/2" union nuts to 1 1/4". | | 5-80-640 |