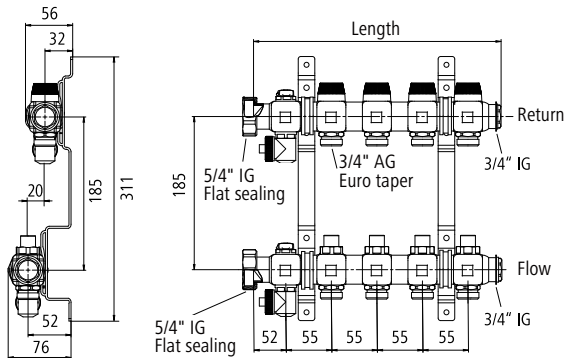


x-net standard manifold 5/4"



Dimensions



Manifold size	Length	Weight	Product code
2 heating circuits	205 mm	2.20 kg	SFV02000000
3 heating circuits	260 mm	2.60 kg	SFV03000000
4 heating circuits	315 mm	3.00 kg	SFV04000000
5 heating circuits	370 mm	3.40 kg	SFV05000000
6 heating circuits	425 mm	3.80 kg	SFV06000000
7 heating circuits	480 mm	4.20 kg	SFV07000000
8 heating circuits	535 mm	4.60 kg	SFV08000000
9 heating circuits	590 mm	5.00 kg	SFV09000000
10 heating circuits	645 mm	5.40 kg	SFV10000000
11 heating circuits	700 mm	5.80 kg	SFV11000000
12 heating circuits	755 mm	6.20 kg	SFV12000000

Application

- Suitable for panel heating and cooling
- Medium: heating water acc. to VDI 2035
- Resistance to hot water additives acc. to VDI 2035 and approved anti-freezing agents with a concentration of max. 30%

Product description

Stainless steel special profile distributor for adjusting, shutting off and distributing volume flows for panel heating and cooling systems. Includes a 5/4" internal thread union nut for flat sealing connection to an x-net ball valve set 5/4" external thread x 1" internal thread, respectively, 3/4" internal thread.

Flow section with an integrated fine-control valve with restorable presetting for each heating circuit for an exact regulation of the flow rate.

Return section with an integrated thermostat insert for each heating circuit for the attachment of x-net actuators.

Outlets 3/4" external thread euro cone with 55 mm connection spacing, suitable for the x-net clamp ring screw connection.

Including a wall mount with sound insulation insert, screws, anchor bolts and heating circuit identification labels. Air vent plugs and KFE valves 1/2".

The x-net standard manifold 5/4" can be expanded with the x-net standard heating circuit expansion set (length 85 mm) by an additional heating circuit.

x-net standard manifold 5/4"

Technical data

Operating temperature:	6°C - 70°C
Operating pressure:	max. 6 bar at 70°C
Distribution section:	<ul style="list-style-type: none"> ■ connection: internal thread union nut 5/4", flat sealing connection to flow and return section ■ outlets with 3/4" external thread euro cone 55 mm connection spacing ■ end plug 3/4", nickel-plated ■ brass KFE valves 1/2" ■ air vent plug 1/2"
Thermostat valve:	<ul style="list-style-type: none"> ■ connection thread <li style="padding-left: 20px;">Thermostat valve: M30x1.5 ■ closed component 11.8 mm, (compatible with Heimeier) ■ valve stroke 3.2 mm ■ low coefficient 2.56 m³/h
Fine control valve:	<ul style="list-style-type: none"> ■ adjustment range: approx. 5 spindle rotations ■ flow coefficient: 2.46 m³/h

Materials

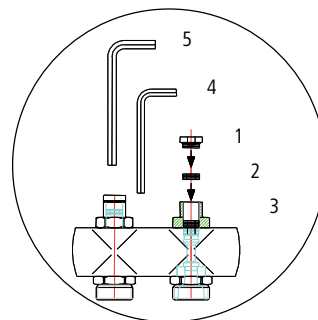
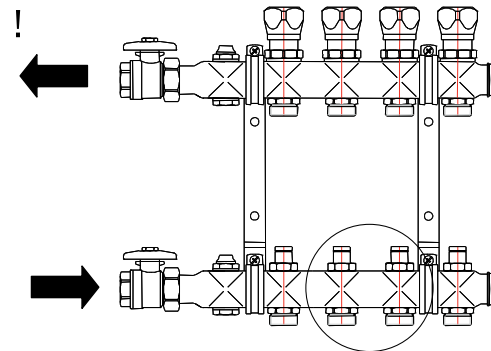
Distribution sections:	stainless steel 1,4301
Valve inserts:	brass, stainless steel, EPDM seals

Mounting

Suitable for installation directly on the wall, basement ceiling or inside the x-net manifold cabinet. Connection on the right, left or alternating is possible. The manifold can be installed either horizontally or vertically. Overhead installation (heating circuit connections turned upwards by 180°) is also possible.

Make sure that the connection of the supply pipes and the individual heating circuits to the manifold (use of x-net pipe guide bends) are stressless. Tighten clamp ring screw connection with a torque of max. 35 - 45 Nm.

Adjusting the flow rate

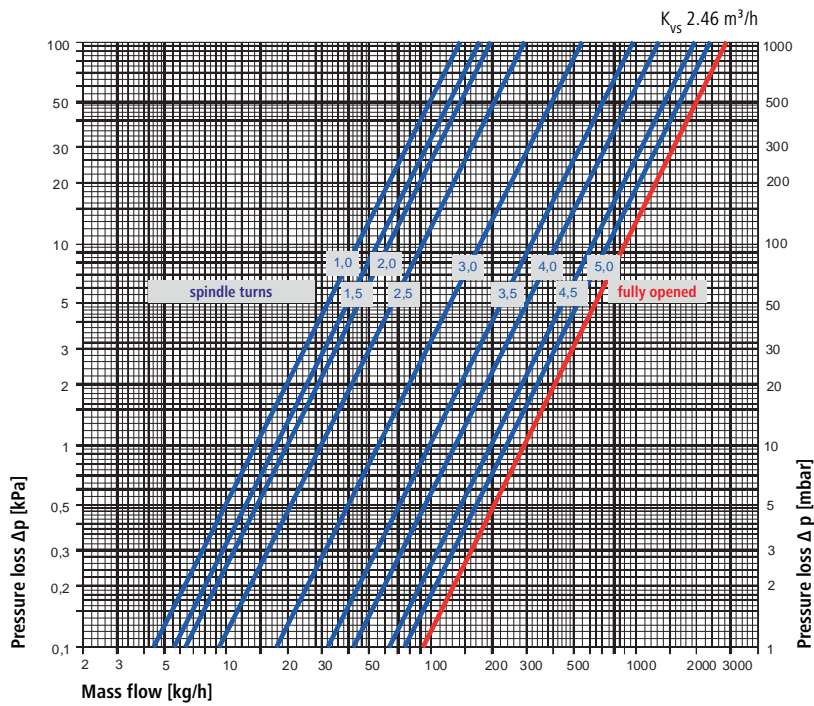


- (1) Protective cap
- (2) Adjusting screw
- (3) Valve spindle
- (4) Hexagonal wrench 5 mm
- (5) Hexagonal wrench 6 mm

- Open protective cap (1) with hexagonal wrench (4)
- Close valve spindle (3) with hexagonal wrench (4) by turning it clockwise
- Close adjusting screw (2) with hexagonal wrench (5) by turning it clockwise until the screw touches the valve spindle = "zero position"
- Open adjusting screw (2) acc. to the planning setting "spindle turns" by turning it anti-clockwise
- Open valve spindle (3) with hexagonal wrench (4) by turning it anti-clockwise until the spindle touches the adjusting screw (2)
- Close protective cap (1) with hexagonal wrench (4)

x-net standard manifold 5/4"

Diagram for the determination of the valve pre-setting for the fine-control valve (flow)



Pressure loss diagram for thermostat insert (return section)

