x-net

KERMI
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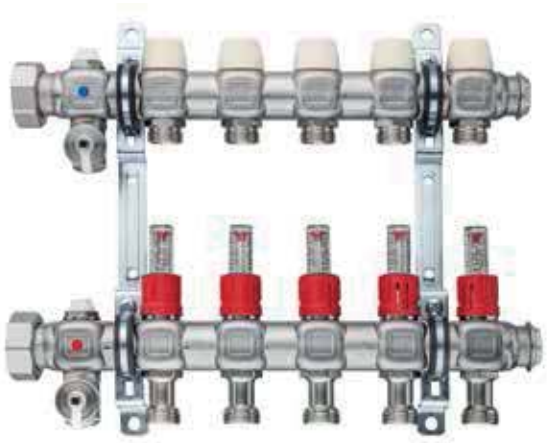
x-net comfort manifold 5/4"



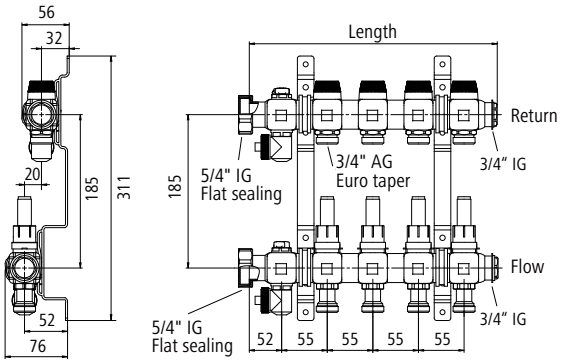
Application

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

Product description

Stainless steel special profile manifold for adjusting, shutting off and distributing volume flows for surface 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", respectively, 3/4" internal thread.
Flow section with an integrated flow meter for each heating circuit for an exact regulation of the flow rate without any tools. The amount of flowing water (0.5 - 5 l/min) can be read from the sight glass.
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, fitting the x-net clamp ring screw connections.
Including a wall mount with sound insulation insert, screws, anchor bolts and heating circuit identification labels. Air vent plugs and KFE valve 1/2".
The x-net comfort manifold 5/4" can be expanded with the x-net comfort heating circuit expansion set (length 85 mm) by an additional heating circuit

Dimensions



Manifold size	Length	Weight	Product code
2 heating circuits	205 mm	2.20 kg	SFVT0200000
3 heating circuits	260 mm	2.60 kg	SFVT0300000
4 heating circuits	315 mm	3.00 kg	SFVT0400000
5 heating circuits	370 mm	3.40 kg	SFVT0500000
6 heating circuits	425 mm	3.80 kg	SFVT0600000
7 heating circuits	480 mm	4.20 kg	SFVT0700000
8 heating circuits	535 mm	4.60 kg	SFVT0800000
9 heating circuits	590 mm	5.00 kg	SFVT0900000
10 heating circuits	645 mm	5.40 kg	SFVT1000000
11 heating circuits	700 mm	5.80 kg	SFVT1100000
12 heating circuits	755 mm	6.20 kg	SFVT1200000

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Technical data

Operating temperature:	6°C - 70°C
Operating pressure:	max. 6 bar at 70°C
Distribution section:	■ 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:	■ connection thread Thermostatic valve: M30x1.5 ■ closed component 11.8 mm, (compatible with Heimeier) ■ valve stroke 3.2 mm ■ flow coefficient 2.56 m^3/h
Flow meter:	■ adjustment range: 0.5 - 5 l/min ■ flow coefficient value: 1.12 m^3/h

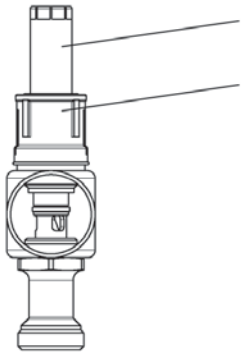
Materials

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

Installation

Suitable for installation directly on the wall, the 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 bend) is stressless. Tighten compression fitting with a torque of max. 35 - 45 Nm.

Adjusting the flow rate



- 1. Raise locking cap (2) by one detent point and use it as adjusting knob
- 2. The required flow rate is adjusted by turning the locking cap (2). For this purpose, all other shut-off elements in the respective heating circuit have to be completely opened. The amount of flowing water can be read from the sight glass (1) in l/min.
- 3. The settings have to be checked once again when the entire system has been adjusted. Then press the locking cap (2) down (it snaps into position); this prevents an inadvertent change of the setting.

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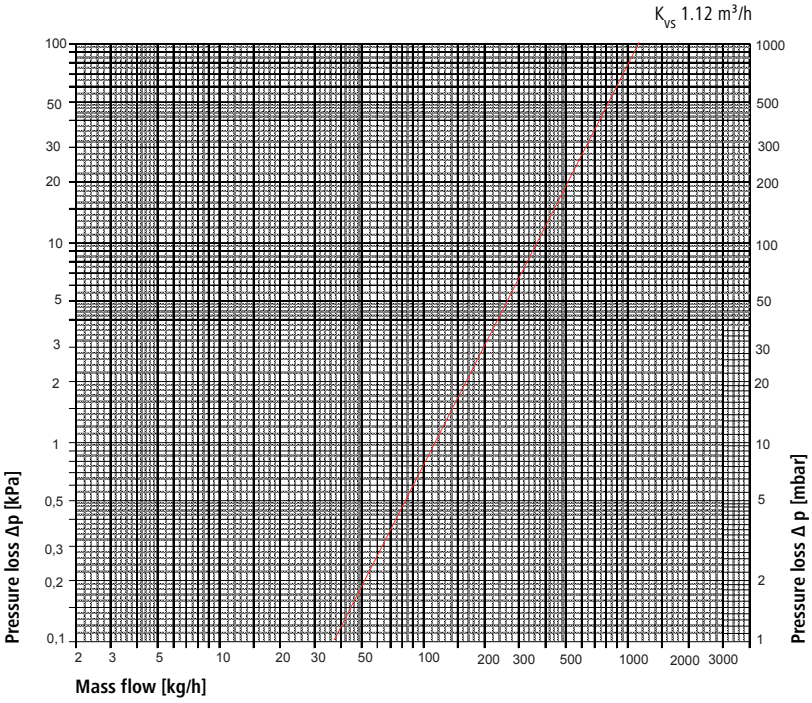
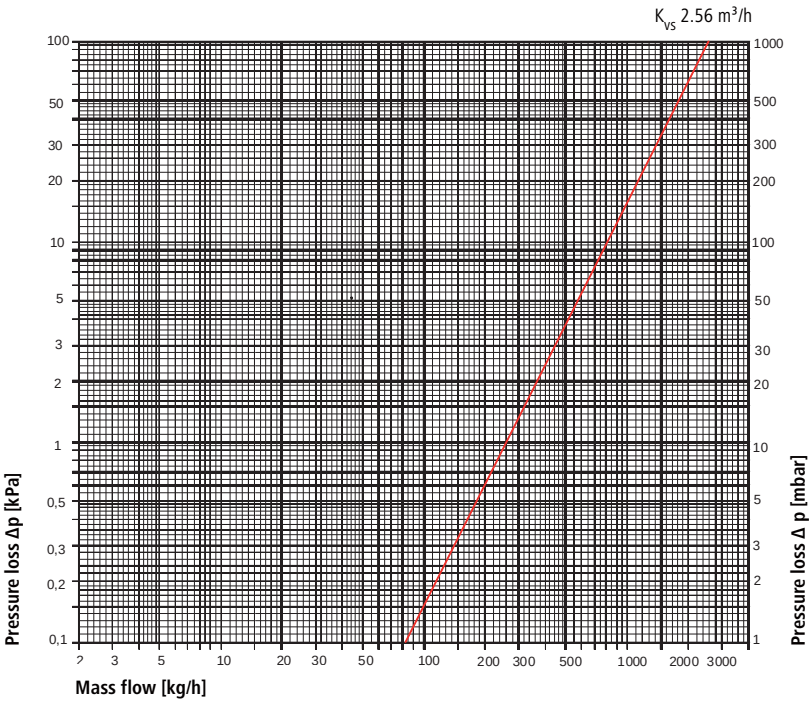
Pressure loss diagram for flow meter 0 - 5 l/min (flow position)



Pressure loss diagram for thermostat insert (return section)



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