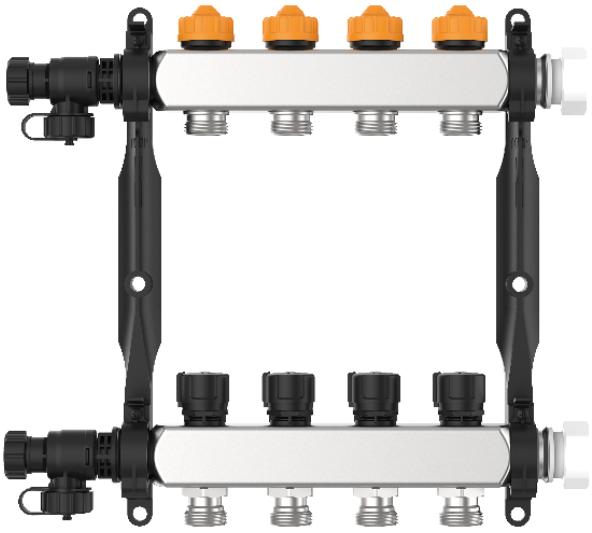


Stainless steel heating circuit manifold

benefits

- dynamic control valves for constant control of the water volume
- fast and safe mounting with union nut (flat-sealing)
- sound-absorbing plastic wall bracket with quick mounting function
- 100 % tightness-tested and function-tested

Application

Manifold system for surface heating systems and cooling systems. For distribution of heating and cooling circuit water as per VDI 2035 or of water/glycol mixtures in sealed systems. Suitable for 2–12 heating/cooling circuits.

Description

Stainless steel heating circuit manifold with polished surface. Return with dynamic control valve for constant control of the water volume in each heating circuit. Return valves with dual O ring seal at the valve axis. The control range is 20–340 l/h. The typical manual adjustment of the valves is therefore no longer required. Connection by means of angular connection pieces and/or ball valve G1. End module with filling and drain valve G¾ eurocone which can also be used for manual venting. Easy mounting by means of plastic wall bracket with excellent sound-absorbing characteristics and with quick mounting function – the manifold is snap-mounted to the wall bracket. Suitable for standard manifold cabinets. With a sufficient distance between the flow and return bars, for easy, collision-free mounting even in the case of large actuator and heating circuit pips up to 20 mm. AFRISO stainless steel manifold systems are 100 % tightness-tested and function-tested.

Technical Specifications

Medium
Heating circuit water and cooling circuit water as per VDI 2035
(Water/glycol mixtures with an admixture of max. 50 %)

Test pressure
max. 6 bar

Manifold pipe
Stainless steel 304

Main connection
G1 flat-sealing, with union nut
Connection from the right or from the left

Connection heating/cooling circuit
G¾ male thread, eurocone
suitable for standard compression fittings

Operating temperature range
Medium: -20/+90 °C at 3 bar,
-20/+80 °C at 4 bar,
-20/+70 °C at 5 bar,
-20/+60 °C at 6 bar

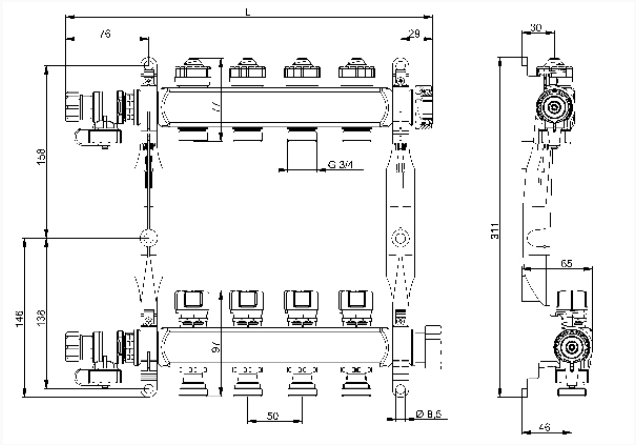
wall bracket
impact-resistant plastic with rubber support,
complies with DIN 4109,
suitable for standard manifold cabinets
Bar distance: 220 mm

dynamic return valves
mating thread: M 30 x 1.5 mm
Closing force: < 80 N
Closing dimension: 12 ± 0.6 mm
Closing dimension: (open position 15 mm)
Adjustment range: 20/340 l/h
Operating range: 50/700 mbar
dynamic control range: 150/700 mbar

Compatibility
suitable for electro-thermostatic actuators TSA-02/-03 from AFRISO or for standard actuators with union nut M30 x 1.5 mm

Technical Drawings

dimensions wit 4 heating/cooling circuits with end module



Dimensions (mm)

Dimensions (mm)

Aus-führung	2 HK	3 HK	4 HK	5 HK	6 HK	7 HK	8 HK	9 HK	10 HK	11 HK	12 HK
Distance wall bracket	130	180	230	280	330	380	430	480	530	580	630
Total length L manifold	236	286	336	386	436	486	536	586	636	686	736

Versions

		Part no.
Stainless steel heating circuit manifold ProCalida® VA 1C Vario-DP 2 HK	●	86422
Stainless steel heating circuit manifold ProCalida® VA 1C Vario-DP 3 HK	●	86423
Stainless steel heating circuit manifold ProCalida® VA 1C Vario-DP 4 HK	●	86424
Stainless steel heating circuit manifold ProCalida® VA 1C Vario-DP 5 HK	●	86425
Stainless steel heating circuit manifold ProCalida® VA 1C Vario-DP 6 HK	●	86426
Stainless steel heating circuit manifold ProCalida® VA 1C Vario-DP 7 HK	●	86427
Stainless steel heating circuit manifold ProCalida® VA 1C Vario-DP 8 HK	●	86428
Stainless steel heating circuit manifold ProCalida® VA 1C Vario-DP 9 HK	●	86429
Stainless steel heating circuit manifold ProCalida® VA 1C Vario-DP 10 HK	●	86430
Stainless steel heating circuit manifold ProCalida® VA 1C Vario-DP 11 HK	●	86431
Stainless steel heating circuit manifold ProCalida® VA 1C Vario-DP 12 HK	●	86432

● in-stock items

○ Non-stock items