

## Stainless steel heating circuit manifold ProCalida® VA 1C Vario-DP 12 HK

Part no. 86432

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 G $\frac{3}{4}$  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

#### Number of heating/cooling circuits

12

#### 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

G $\frac{3}{4}$  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**

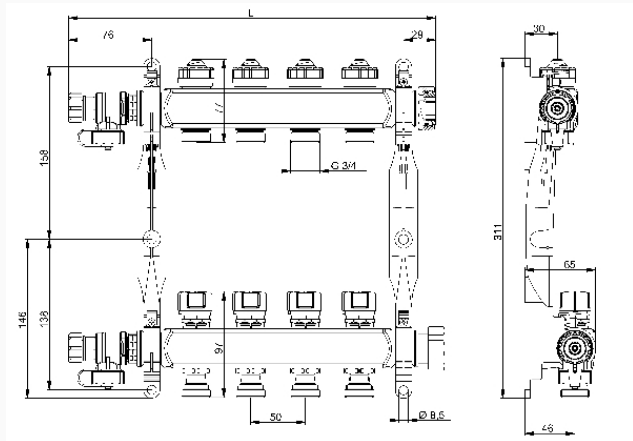
mating thread: M 30 x 1.5 mm  
 Closing force: < 80 N  
 Closing dimension: 12 ± 0.6 mm  
 Closing dimension: (open position 15 mm)  
 Adjustment range: 20/340 l/h  
 Operating range: 50/700 mbar  
 dynamic control range: 150/700 mbar

**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-<br>füh-<br>rung                  | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  |
|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Dis-<br>tance<br>wall<br>bra-<br>cket | 130 | 180 | 230 | 280 | 330 | 380 | 430 | 480 | 530 | 580 | 630 |
| Total<br>length<br>L<br>ma-<br>nifold | 236 | 286 | 336 | 386 | 436 | 486 | 536 | 586 | 636 | 686 | 736 |

## Versions

|  | Part no. |
|--|----------|
| Stainless steel heating circuit manifold<br>ProCalida® VA 1C Vario-DP<br>12 HK | 86432    |

- in-stock items
- Non-stock items