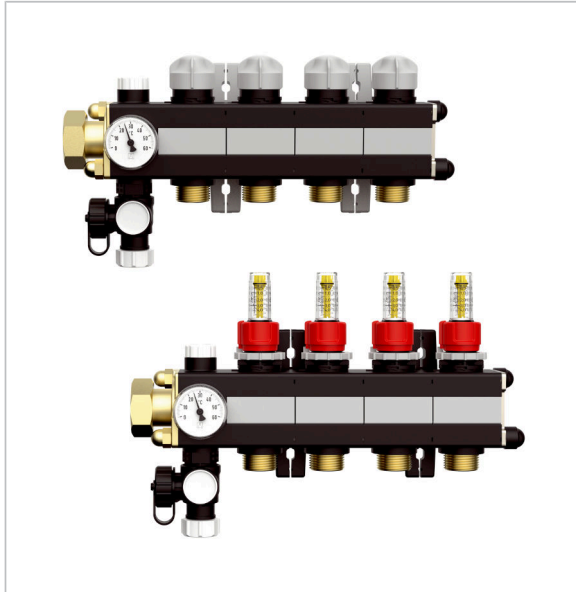


ProCalida® MC 1



Benefits

- Dual-chamber system for optimum heat loss limitation
- Large cross section for optimum supply of the control circuits
- Flow meter can be cleaned with system pressure present
- Pre-assembled, tightness-tested and ready to be connected



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.

Versions

version with flow meter

	Number of heating circuits	Part no.
ProCalida® MC 1 2-HK FM	2	77222
ProCalida® MC 1 3-HK FM	3	77223
ProCalida® MC 1 4-HK FM	4	77224
ProCalida® MC 1 5-HK FM	5	77225
ProCalida® MC 1 6-HK FM	6	77226
ProCalida® MC 1 7-HK FM	7	77227
ProCalida® MC 1 8-HK FM	8	77228
ProCalida® MC 1 9-HK FM	9	77229

Blue part no. = in-stock items



	Number of heating circuits	Part no.
ProCalida® MC 1 10-HK FM	10	77230
ProCalida® MC 1 11-HK FM	11	77231
ProCalida® MC 1 12-HK FM	12	77232

Blue part no. = in-stock items

version with shut-off valve

	Number of heating circuits	Part no.
ProCalida® MC 1 2-HK SV	2	77202
ProCalida® MC 1 3-HK SV	3	77203
ProCalida® MC 1 4-HK SV	4	77204
ProCalida® MC 1 5-HK SV	5	77205
ProCalida® MC 1 6-HK SV	6	77206
ProCalida® MC 1 7-HK SV	7	77207
ProCalida® MC 1 8-HK SV	8	77208
ProCalida® MC 1 9-HK SV	9	77209
ProCalida® MC 1 10-HK SV	10	77210
ProCalida® MC 1 11-HK SV	11	77211
ProCalida® MC 1 12-HK SV	12	77212

Blue part no. = in-stock items

version with dynamic control valve Vario-DP

	Number of heating circuits	Part no.
ProCalida® MC 1 2-HK Vario-DP	2	77072
ProCalida® MC 1 3-HK Vario-DP	3	77073
ProCalida® MC 1 4-HK Vario-DP	4	77074
ProCalida® MC 1 5-HK Vario-DP	5	77075
ProCalida® MC 1 6-HK Vario-DP	6	77076
ProCalida® MC 1 7-HK Vario-DP	7	77077
ProCalida® MC 1 8-HK Vario-DP	8	77078
ProCalida® MC 1 9-HK Vario-DP	9	77079

Blue part no. = in-stock items



	Number of heating circuits	Part no.
ProCalida® MC 1 10-HK Vario-DP	10	77080
ProCalida® MC 1 11-HK Vario-DP	11	77081
ProCalida® MC 1 12-HK Vario-DP	12	77082

Blue part no. = in-stock items

Description

Robust, very short plastic heating or cooling circuit manifold with up to 12 heating circuits. Return with stroke valves for actuators. Return valves with dual O ring seal at the valve axis for particularly long running times with optimum sealing. Valve disc with O ring seal for permanently reliable closing of the control circuits. Flow bar with flow meters that can be shut off. Control range flow meter 0.5 to 4 l/min with locking as per EN 1264-4. The valves can be shut off and regulated for hydraulic balancing of wall or underfloor heating systems. When the system is shut off, the pre-adjustment is not lost for compliance with EN 1264-4. Windows can be cleaned and replaced with system pressure present. Main connection with union nut G1. With filling and drain valve, manual vent and thermometer. Quick air vent can be fitted using a lifting tool. Connection by means of angular connection pieces and/or ball valve G1 adapted to the manifold. With dovetail guide at both ends for fast snap-in mounting and horizontal movement of the wall bracket.

The wall bracket is made of plastic for excellent sound absorbing characteristics. Suitable for standard manifold cabinets. With adjustable distance between the flow and return bars, for easy, collision-free mounting even in the case of large actuator and heating circuit pipes up to 20 mm. The AFRISO manifold systems are 100 % tightness-tested and function-tested.

Technical specifications

Number of heating/cooling circuits

2 – 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

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/+60 °C at 6 bar

Flow coefficient Kvs

1.56 m³/h1.3 m³/h1 m³/h

Flow meter

Can be shut off and

regulated, with pre-

adjustable adjustment

ring

Range: 0.5/4 l/min

Mounting position: Any

Accuracy: ± 10 %, with reference to the full scale value

Return valves

Mating thread: M 30 x 1.5 mm

Closing force: < 70 N

Closing dimension: 12 \pm 0.6 mm

Closing dimension: (open position 15 mm)

Wall bracket

Suitable for standard manifold cabinets

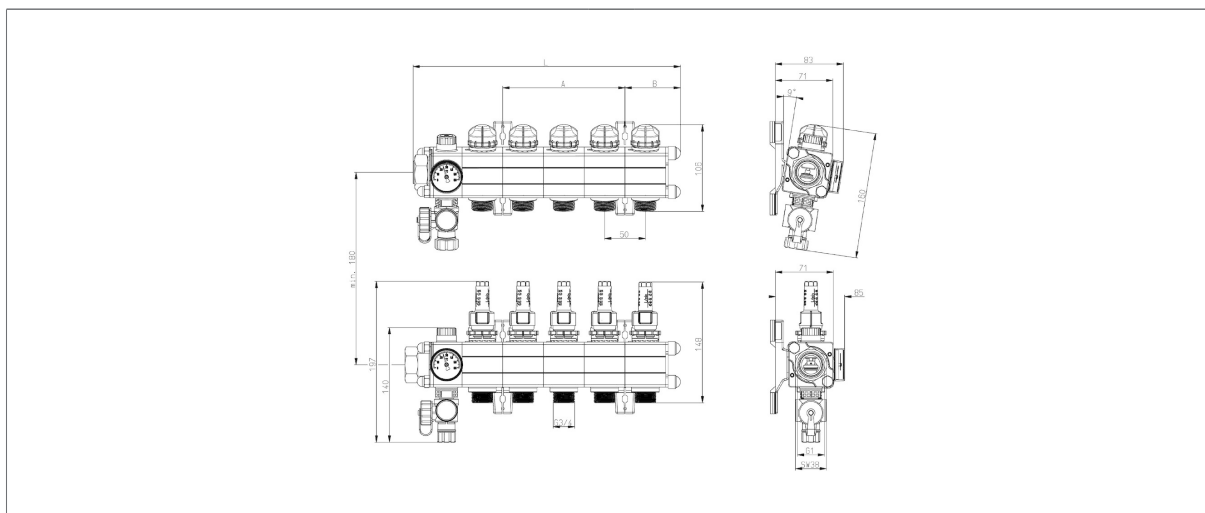
Options

- Wall bracket with fixed distance
- With dynamic control valves Vario-DP in the return

Technical drawings



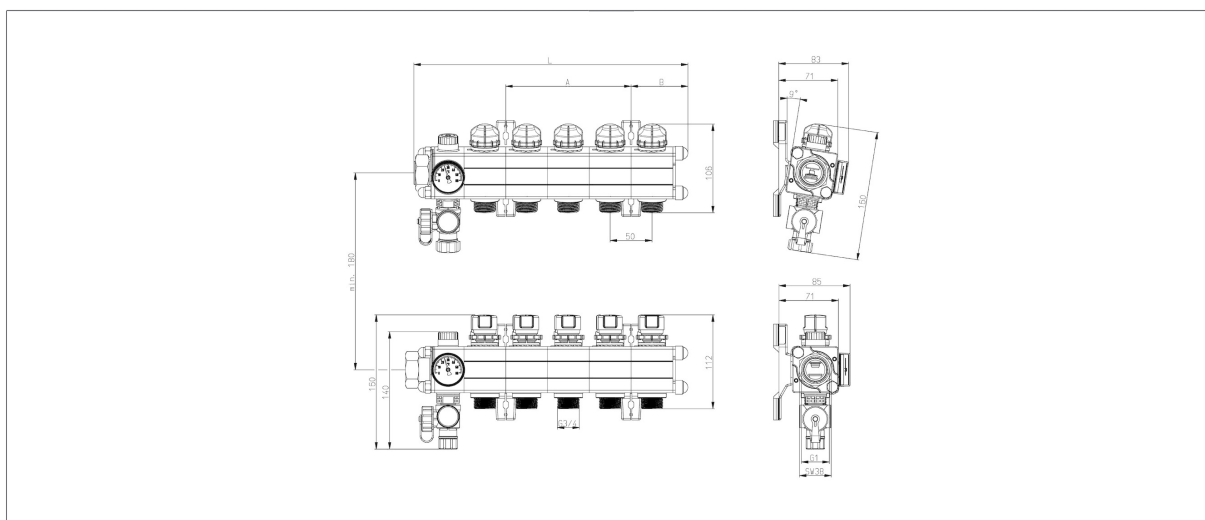
Version with flow meter (FM)



Dimensions (mm)

Heating circuit	2 HK	3 HK	4 HK	5 HK	6 HK	7 HK	8 HK	9 HK	10 HK	11 HK	12 HK
A (mm)	50	50	100	150	200	200	250	300	300	350	350
B (mm)	43	68	68	68	68	118	118	118	118	118	168
L (mm)	185	235	285	335	385	435	485	535	585	635	685

Version with shut-off valve (SV) or dynamic control valve



Dimensions (mm)

Heating circuit	2 HK	3 HK	4 HK	5 HK	6 HK	7 HK	8 HK	9 HK	10 HK	11 HK	12 HK
A (mm)	50	50	100	150	200	200	250	300	300	350	350
B (mm)	43	68	68	68	68	118	118	118	118	118	168
L (mm)	185	235	285	335	385	435	485	535	585	635	685