








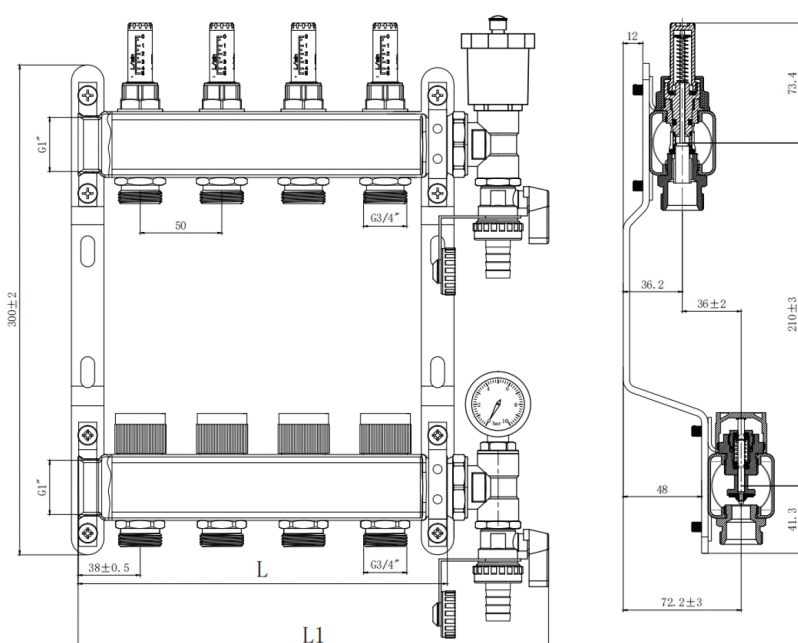
STAINLESS STEEL MANIFOLD DATA SHEET



Description

Stainless steel manifold for 2 up to 12 heating circuits for distribution, shut off and balancing of the heating/cooling water flow of radiant panel heating/cooling systems in compliance with BS EN 1264-4. The flow rate for each heating circuit can be continuously adjusted via a regulating shut-off valve integrated in the return circuit.

-  M30x1.5 valve connection for all common actuators (optional accessory).
-  Precise adjustment even at high flow rates.
-  Premium quality O-ring valve gaskets (EPDM) ensure permanent ease of operation and high durability.
-  1" MT flat-sealing connections to heat generator, connection to heating circuits via 3/4" euro cone for clamp ring screw connections.
-  Includes an end set with 3/4" swivel connection for shut-off, filling, draining and flushing.
-  Ready-mounted on wall bracket, low-noise pipe clamps in accordance with DIN 4109.
-  A wide range of supplementary systems, such as pump groups, hydraulic control units for manifolds, heat interface units and many more.



Circuits	L [mm]	L1 [mm]
2	126	188
3	176	238
4	226	288
5	276	338
6	326	388
7	376	438
8	426	488
9	476	538
10	526	588
11	576	638
12	626	688

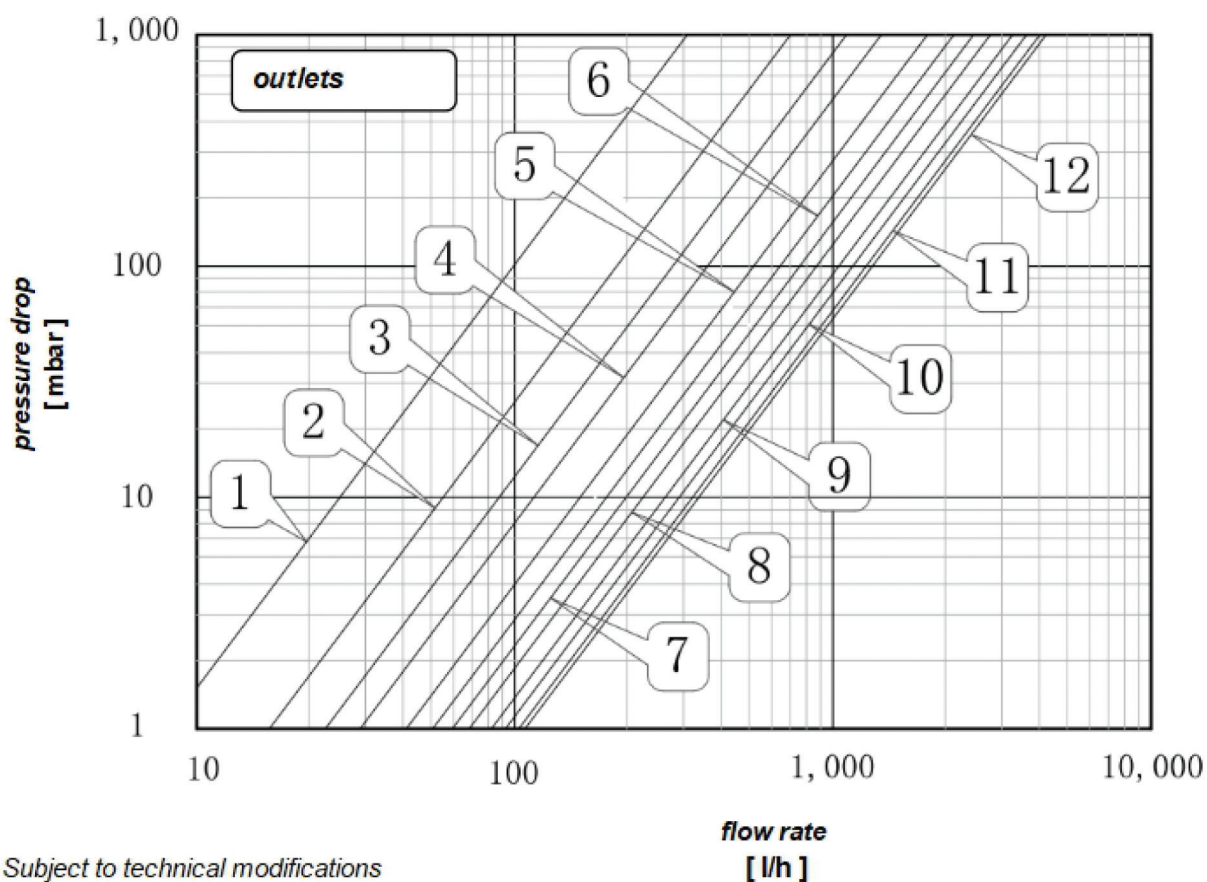
Technical data

Application	Underfloor heating/cooling systems
Function	Temperature control for individual rooms using actuators Automatic flow control Shut-off / filling / draining / flushing / venting
Max. operating pressure	10 bar
Flow range	The flow rate can be set continuously within the specified range: 30 to 300 l/h.
Differential pressure (Δp_V)	Max. differential pressure: 60 kPa (<30 dB(A)) Min. differential pressure: 30 to 150 l/h = 17 kPa / 150 to 300 l/h = 25 kPa
Temperature	Max. operating temperature: 70°C Min. operating temperature: -5°C
Pipe connections	Manifold: 1" FT End kit: 1" FT Connection with heating circuits: 3/4" with euro cone

Materials

Manifold	Stainless steel 1.4301
Screw connections / End kit	Nickel-plated brass
O-rings	EPDM
Valve disk	EPDM
Pressure spring	Stainless steel
Top part of thermostat	Brass, PPS
Spindle	Stainless steel spindle

pressure drop diagram



Number of heating circuits	1	2	3	4	5	6	7	8	9	10	11	12
Kvs(m ³ /h)	0.31	0.71	1.12	1.43	1.84	2.15	2.5	2.8	3.29	3.66	4.03	4.25