ZL-1125
Brass Flowmeter Manifold

Collaboration and Innovation

Description

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

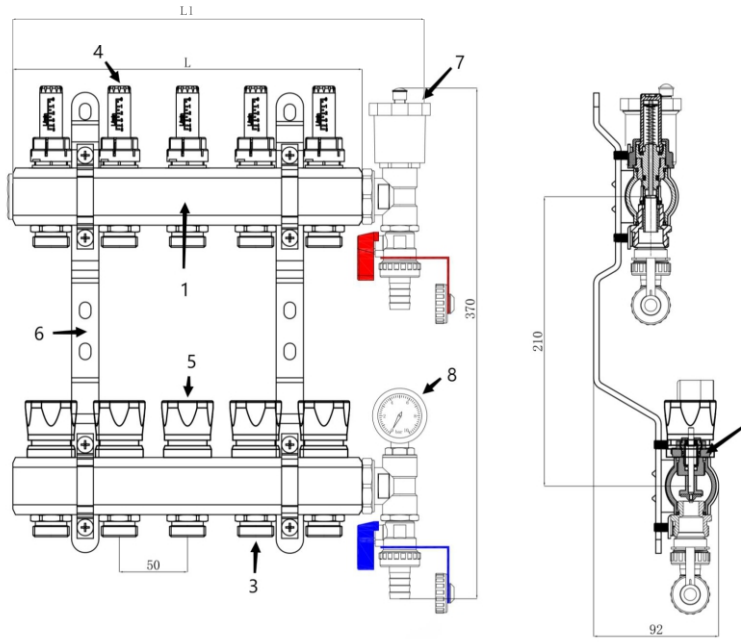
- M30x1.5 valve connection for all common actuators (optional accessory).
- Precise adjustment even at high flow rates.
- Premium quality O-ring valve gaskets (EPDM) ensure permanent ease of operation andhigh durability.
- 1" MT flat-sealing connections to heat generator, connection to heating circuits via é" eurocone 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 pumpgroups, hydraulic control units for manifolds, heat interface units and many more.

Technical data

Performance	
Application	Underfloor heating/cooling systems
Function	Temperaturecontrol 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 (ΔpV)	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	Nichel-plated Brass
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

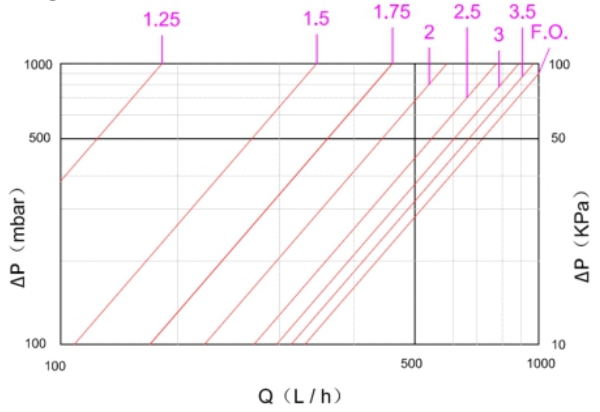
Dimension and Characteristic Components



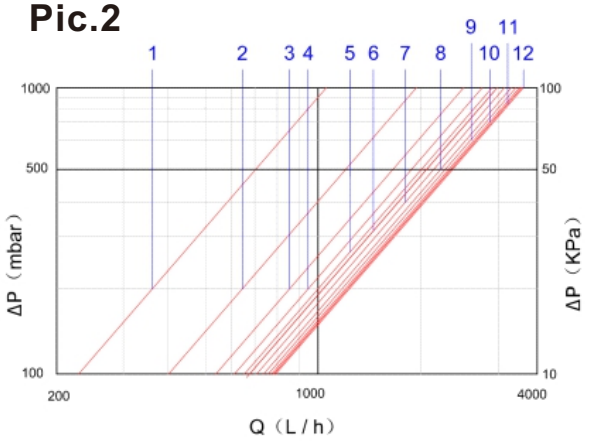
Circuits	2	3	4	5	6	7	8	9	10	11	12
L [mm]	106	156	206	256	306	356	406	456	506	556	606
L1 [mm]	168	218	268	318	368	418	468	518	568	618	668

Hydraulic Characteristics

Pic.1



Pic.2



Pic.1

Opening turns	1.25	1.5	1.75	2	2.5	3	3.5	F.O.
Kv	0.12	0.33	0.47	0.57	0.77	0.88	0.95	1.02

Pic.2

No. of outlets	1	2	3	4	5	6	7	8	9	10	11	12
Kv	1.02	1.65	2.23	2.55	2.81	2.97	3.13	3.26	3.34	3.38	3.42	3.50