

Gaia Stainless Steel Manifold

Gaia's Stainless Steel Manifold can function for 2 to 12 heating circuits controlling the distribution, shut-off and balancing of radiant panel heating and cooling systems (compliant with BS EN 1264-4).

The Gaia Stainless Steel Manifold uses an integrated regulating shut-off valve, in the return circuit, to control the flow rate for each heating circuit continuously.

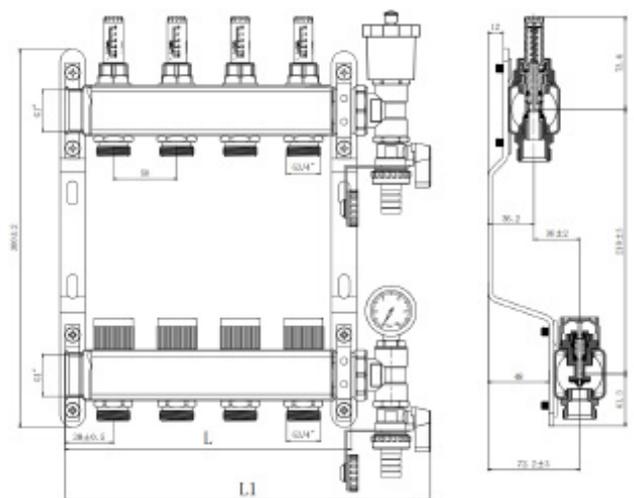
The underfloor heating manifold consists of two manifold bars, one for the flow and one for the return, complete with bracket, automatic air vent, drain fill valves and pressure gauge.



Benefits

- Precise adjustments even at high flow rates
- Contains premium quality O-ring valve gaskets (EPDM) to ensure high durability and permanent ease of operation
- An optional M30x1.5 valve connection for all common actuators
- Includes an end set with 3/4" swivel connection for the shut-off, filling, draining and flushing of the system
- Supplied pre-mounted on wall brackets
- Valves on return manifold accept a Manifold Thermoelectric Head for remote control of each zone
- 1" MT flat-sealing connections to heat generator

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	513	588
11	576	638
12	626	688



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Technical Specification

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

Number of heating circuits	1	2	3	4	5	6	7	8	9	10	11	12
Kvs (m³/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

