

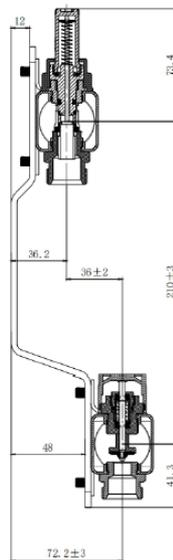
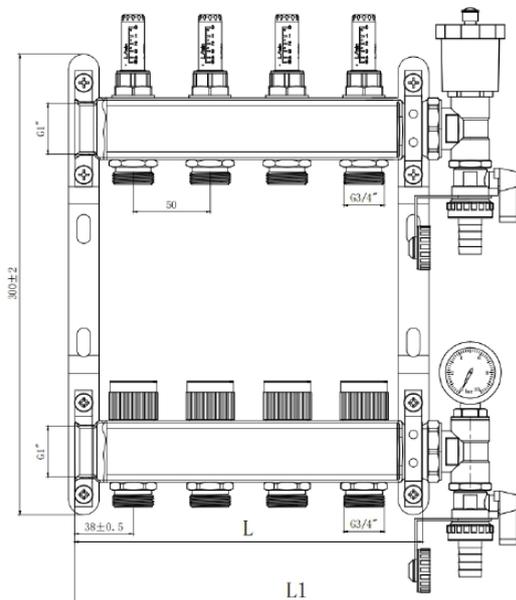
Robbens Stainless Steel Manifold Data Sheet



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 will be continuously adjusted via a regulating shut-off valve integrated in the return circuit.

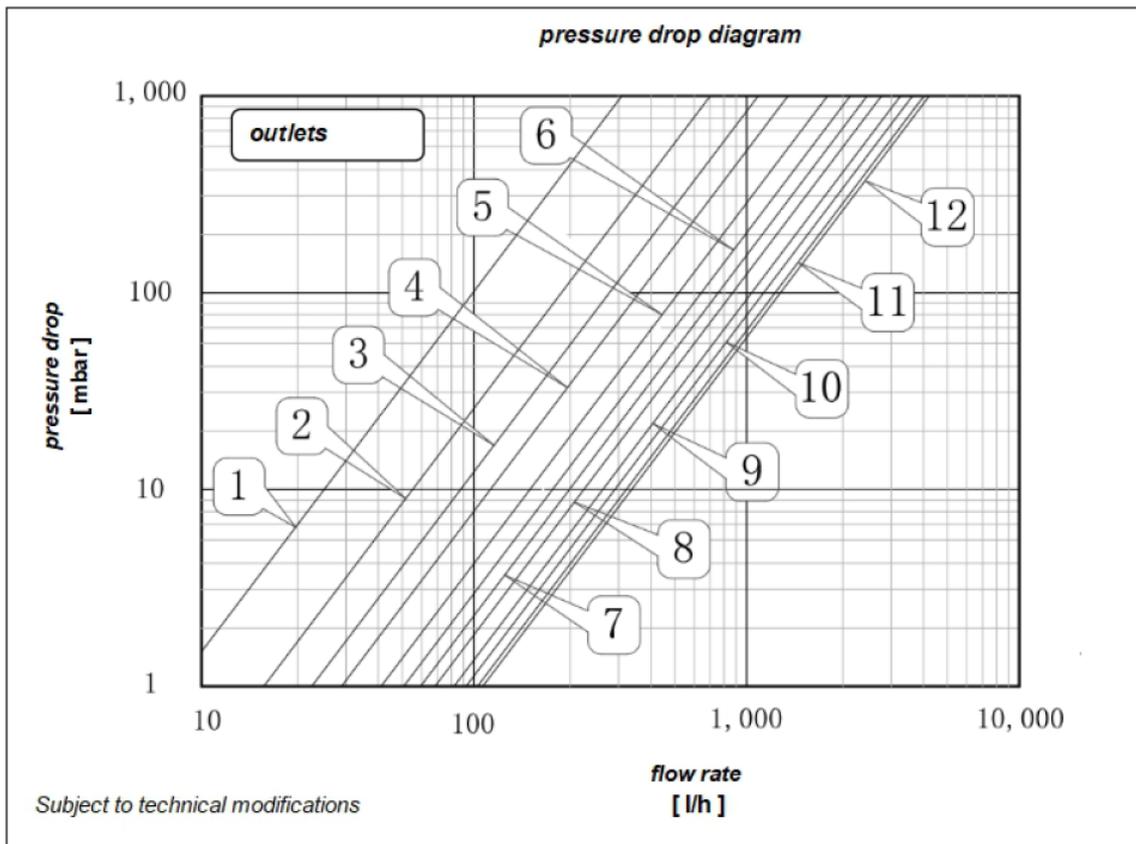
- M30x1.5 valve connection for all common actuators (optional accessory).
 - Precise adjustment even at high flow rates.
 - Premium quality O-ring valve gaskets (EPDM) ensure permanent ease of operation and high durability.
 - 1" MT flat-sealing connections to heat generator, connection to heating circuits via 3/4" euro cone for clamp ring screw connection.
- 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 (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 | 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(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 |

