

MANIFOLD MADE OF BRASS : Use handbook

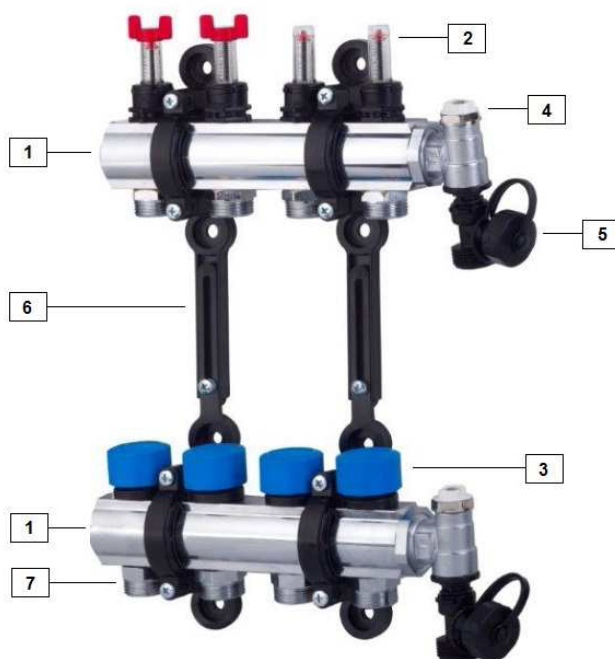
1" manifold made of brass for underfloor heating

Preliminary

Before starting to use the products, please read this Handbook.

Materials

Brass chromium plated | PPS | PA6,6 | GF30 | PA12 | POM | peroxidic EPDM | AISI



Components

The manifold is supplied with following components:

1. 1" female threaded inlet;
2. Supply bar with flow-meters, 0÷5 l/min scale;
3. Lockshield c/w plastic cap on return manifold;
4. Manual air bleed valve (automatic version upon request);
5. Fill/drain valve c/w safety cap;
6. Couple of adjustable brackets;
7. M3/4" euroconus;
8. Temperature digital gauge (upon request).

Technical specs

% glycol max = 50%

Working temperature = 5 ÷ 55 °c

Working pressure = 0 ÷ 6 bar

Max pressure = 10 bar

Burst pressure at room temperature > 22 bar
Burst pressure at 50 °c > 15 bar
Distance between each port = 50 mm.
Adjustable brackets 210-273 mm.
Box depth > 76 mm.

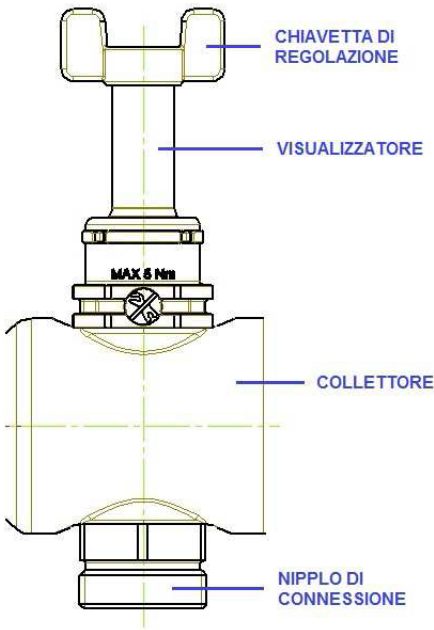
5 l/min flow-meter P/n ITRGMD05FLM

Flow-rate range = 0÷5 l/min
Deviation percentage = +15%
Max torque to adjust the flow-rate = 1 n•m
(please use the proper adjusting key)

REGULATED AT	KV FLOW COEFFICIENT
1 l/min	0,06 m3/h
2 l/min	0,12 m3/h
3 l/min	0,18 m3/h
4 l/min	0,24 m3/h
5 l/min	0,30 m3/h
Tutto aperto	0,78 m3/h

Lockshield for thermo-actuator P/n RTEV-OR

Kv flow coefficient = 1,92 m3/h
Stroke of inox pin = 3,8 mm.



Flow-meter with max 5 l/min flow rateWARNING:

The flow-meter is supplied with flow rate adjusting key.
For a correct reading and setting of the system, please rotate anticlockwise the adjusting key, up to the maximum flow rate, when the indicator marks 5 l/min.
To close the flow-meter, please rotate clockwise the adjusting key, up to the minimum flow rate, when the indicator marks 0 l/min.
The flow-meter, with max and min flow rates, gets an idle stroke, to avoid any possible breakage.WARNING:
Please do not use any adjustable spanner to mount the flow-meter and lockshield, into the manifold, and apply a torque 5 nm.

General notes

- IOperate on the product only when the system is not under pressure and using proper tools.

- A final pressure and leakage test of pipeline by compressed air at 6 bar for 24 hours and then by water at 6 bar for 3 days, is suggested, once the installation is completed.
- The product can be dismantled for any inspection only by skilled and authorized staff.

Maintenance

Il programma di manutenzione deve prevedere un minimo di ispezioni annuali con particolare riferimento a:

- danni accidentali;
- tenuta.

Once a year a visual check of the manifold is suggested. During repair use only original parts.