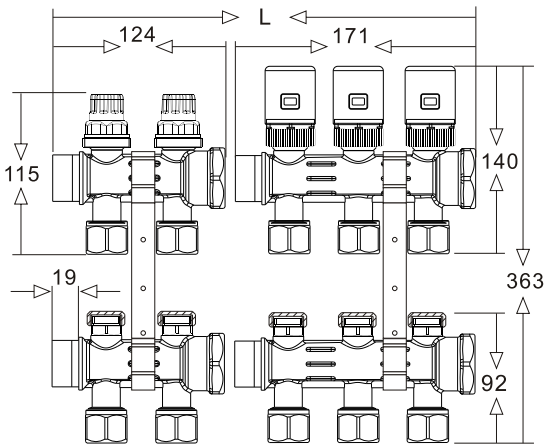
Introduction
Manifolds in composite are designed for controlling and distributing the fluid in the circuits of floor radiant heating system or radiator zone heating
the manifolds can be also equipped with electro-thermal actuator which is controlled by room thermostat to improve the energy efficiency of your floor heating systems

Model	Zone	Description
702	2 loops	Flow manifold with built-in balancing valve return manifold with built-in shut-off valve
703	3 loops	
712	2 loops	Flow manifold with built-in balancing valve return manifold without built-in shut-off valve
713	3 loops	
722	2 loops	Flow manifold without built-in balancing valve return manifold without built-in shut-off valve
723	3 loops	

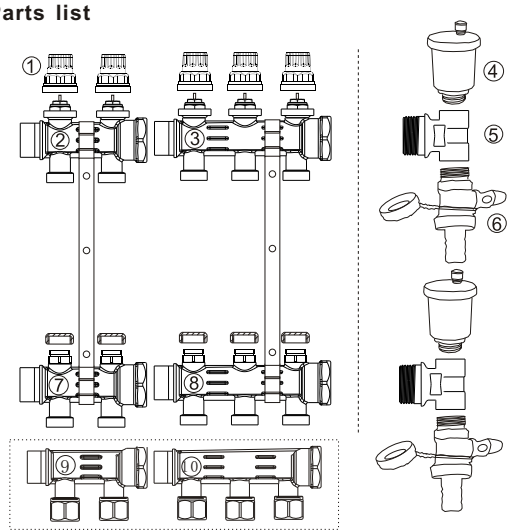
Manifold connection : G1"M
Manifold outlets : G3/4"M
Working pressure : PN10
Medium temperature : 0°C~110°C
Materials : body - hot pressed brass
spring - stainless steel
seals - EPDM
knob - self extinguishing PC

Dimension:



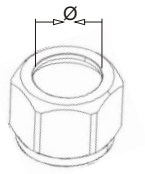
Outlet No.	Composite	bracket no.	Length(mm)
2	2	2	123
3	3	2	173
4	2+2	2	223
5	2+3	2	273
6	3+3	2	323
7	2+2+3	3	373
8	2+3+3	3	423
9	3+3+3	3	473
10	2+2+3+3	3	523
11	2+3+3+3	3	573
12	3+3+3+3	3	623

Parts list

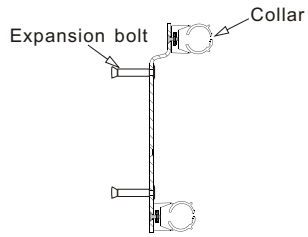


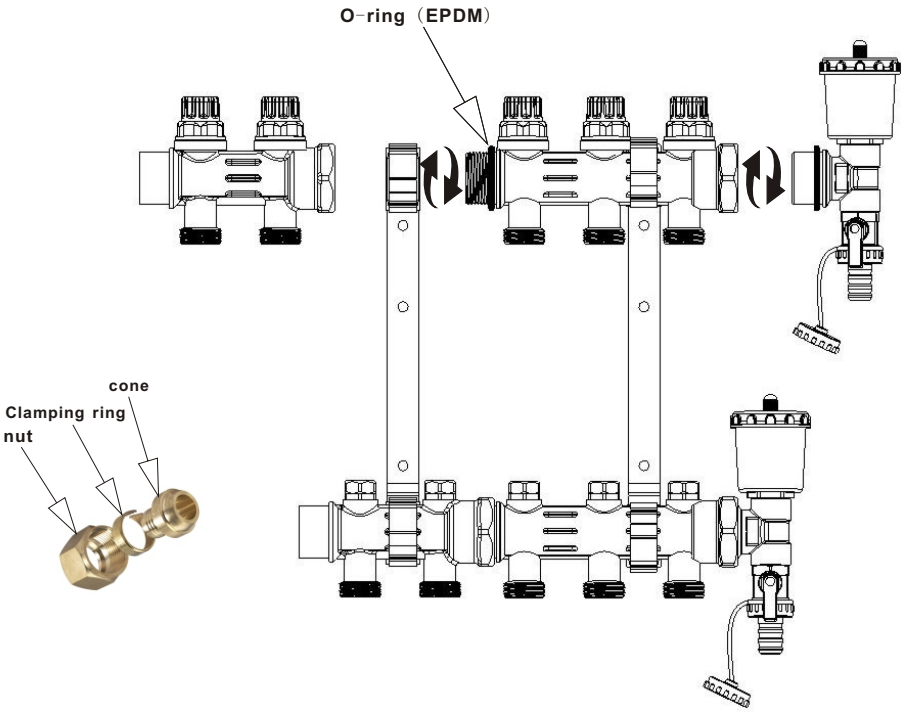
① Manual adjuster
②&③ return manifold-with built-in balancing valve
④ automatic air vent
⑤ 3-port cap
⑥ drain valve
⑦&⑧ flow manifold with built-in shut-off valve
⑨&⑩ manifolds without built-in valve

Pipe fitting (hard sealing)
H108: ø16 (pipe dimension 12/16mm)
H109: ø20 (pipe dimension 16/20mm)



Mounting bracket





Assembly of manifold

1. Check that the O-ring is correctly mounted on the flat surface inside the external thread.
2. Screw the joint together by hand.
3. Tighten the joint using a spanner, the O-ring must not be visible, adjust the position of the outlets.

Assembly of end-fitting

1. Check that the O-ring is correctly mounted on the end position inside the external thread.
2. Thread Air Vent into the top of the 3-port cap
3. Thread Drain Valve into the bottom of the 3-port cap
4. Thread 3-port cap into the Self-sealing supply and return manifold, the O-ring must not be visible, adjust the position of the end pieces
   air vent should be closed after completely commissioning the floor heating system

Mounting of Manifolds

1. Hook the return manifold at the top of mounting bracket, while supply manifold at the bottom of mounting bracket, it should keep and angle on purpose in order to make it easier for the pipes to pass through
2. Attach the brackets to the wall with bolts, also you can place the complete manifolds on a plate or in a cabinet with an adjustable depth from 150mm-200mm
3. Install actuators and control sets according to your system designs.

Mounting of pipe fitting

1. Cut the pipe at right angles using a pipe cutter
2. First mount the nut, then the clamping ring on the pipe, then push in the support cone deeply
3. Tighten the coupling set tor towards the manifold using a spanner, tighten until the torque increases significantly
4. The coupling will be tightened again during the visual check that forms part of the hydrostatic test