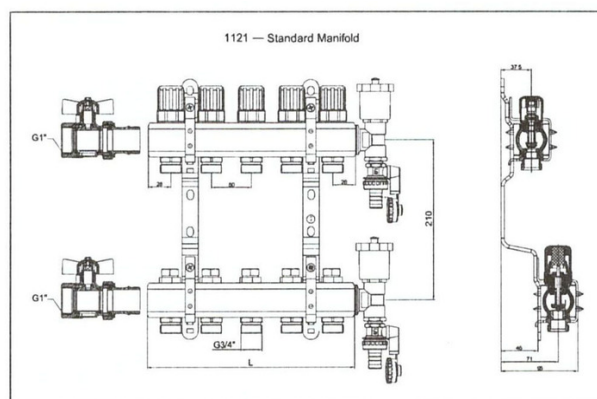
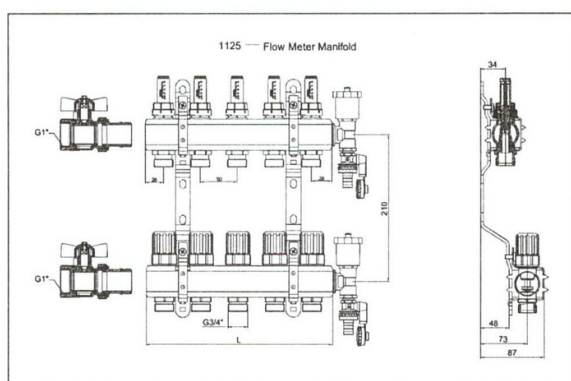


Manifolds

UNDER FLOOR HEATING

Installation Instructions for Surface Mounted Manifold onto Brickwork or Timber



When fixing a manifold to timber studding or plasterboard walls, it is recommended that fixing timber is placed within the timber wall construction where the manifold fixing points are to be drilled and screwed. This will ensure a secure fix for the manifold. Where this is not possible suitable cavity fixings can be used.

Step 1

Fix the manifold onto the wall using the fixing holes on the bracket and the plugs / screws provided. It must be 650mm from the top of the EPS floor insulation to the top header and level.

Step 2

Connect the 1" quarter turn isolation valves to the top and bottom headers (same end) of the manifold. To avoid leaks ensure that the fibre washers provided are positioned between the valve face and the manifold prior to tightening the union nuts.

Step 3

Connect the combined drain valve and air vent to the top and bottom headers of the manifold on the opposite side to the isolation valves. Again, to avoid leaks ensure that the fibre washers provided are positioned between the valve face and the manifold prior to tightening the union nuts.

Step 4

The pipe retaining rail should be fixed approximately 175mm below the manifold and should be trimmed to suit the size of the manifold. It is recommended that +150mm is added to the length of the rail over the length of the manifold.

Step 5

Place the fixing lugs onto the rail, push them tight against either side of the pipe (now protected by corrugated sleeve) and screw them tight once in position.

Manifolds

UNDER FLOOR HEATING

Technical Dimensions

Dimensions											
Ports	2	3	4	5	6	7	8	9	10	11	12
L in mm (See drawings above)	106	156	206	256	306	356	406	456	506	556	606
Total	233	283	333	383	433	483	533	583	633	683	733

Manifold Selection Table

	16x2.0 mm	20x2.0 mm
Standard manifold	Y	Y
Flowmeter manifold	Y	Y

Components

Material	Brass
Flow & return headers	One piece brass, 1"
Standard manifold	-1x combination flow and balancing valve per circuit in the flow -1x flow valve per circuit for actuator in the return
Flow meter manifold	-1x flow meter per circuit in the flow -1x quick stop isolation valve in the flow -1x combination flow and balancing valve per circuit onto which the actuator is snapped with combined balancing function in return
Combined air vent and fill & drain point	-1x 1/2" air vent -1x 1/2" fill & drain point
Port spacing	50mm
Brackets	Noise dampened for wall and cabinet installation