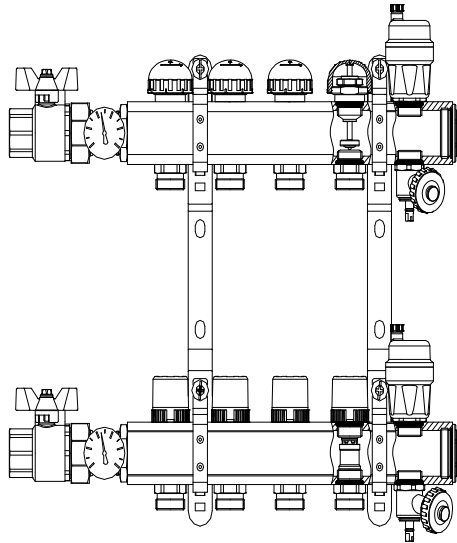


Heating & Cooling Manifolds

**Data Sheet 10A
Manifolds**



Manifold Zones	2	3	4	5	6	7	8	9	10	11	12
Length in mm	292	342	392	442	492	542	592	642	692	742	792

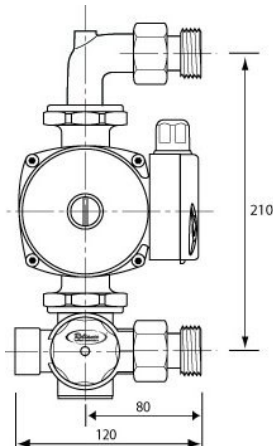
USL manifolds are manufactured from circular brass 1” diameter tube. The flow and return headers are mounted on noiseless galvanised brackets and can be either left or right handed due to their easy flat seal connections on both ends.

The flow header is complete with a 1/4 turn isolation ball valve, flow meters, automatic air vent and drain hose union connection. The return header comes complete with a 1/4 turn isolation ball valve, integral balancing valves thus providing for the regulation of the flow rate to each individual circuit. Thermo actuators are fitted to the return header for individual room control.

All pipework connections are made at the manifold with a valve coupling set. Each valve set comprises of: a nut, split olive and insert providing a secure mechanical fitting. The seal on the valve set is made by an EPDM ‘O’ ring, there are no pipework joints within the floor.

A USL compact modular control pack can be easily connected to any of the USL manifold range to provide temperature controlled mixed water to the underfloor heating circuits.

The compact modular control pack has a heat out put of 14 kW and consists of a temperature mixing valve, Grundfos 25/60 circulating pump.



Maximum static Pressure 16 bar
 Maximum Temperature 110 deg C
 Adjustable control range 35-65 deg C

For Mixing Manifold Arrangements **ADD 200 mm** to overall length

UNDERFLOOR SOLUTIONS the solution
to your Heating Project