

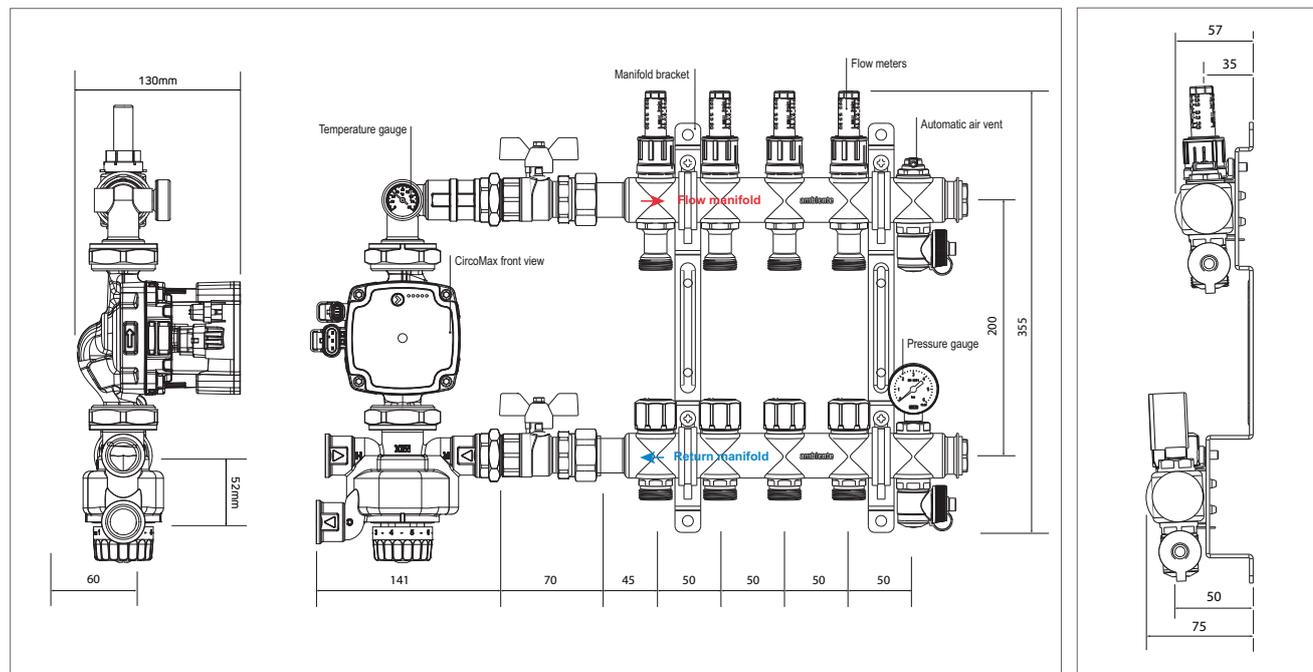
STAINLESS STEEL UFH MANIFOLD WITH PUMP/ BLENDER VALVE

ambiente®

more than underfloor

Manifold front view (Four port manifold shown for example purposes only)

Manifold side view



PRODUCT OVERVIEW

Ambiente stainless steel manifolds are designed for use with hydronic underfloor heating systems. They can either be used in conjunction with a pump/blender unit, or coupled directly to the centrally blended/pumped heatsource.

The manifold is manufactured from pressed stainless steel, and is run through stringent testing procedures throughout the manufacturing process. Following completion, every manifold is tested to 6 bar pressure (typical operating pressure would be less than 3 bar).

As standard the manifold comes with a manual air vent, which can easily be upgraded to an automatic version. A fill/drain point with hose connector is located on both the flow and return bar.

Each loop on the flow bar has a flow meter, to clearly indicate the flow rate achieved in each loop - these meters are used to balance the system at commissioning stage, as per the UFH design.

Each loop on the return bar has a valve to open/close the loop - this is normally controlled by an actuator valve, which responds to the call for heat from a room thermostat.

The manifold connections are 3/4" BSP and Ambiente supply connections for its 12mm, 16mm and 17mm UFH pipework. Also available are connections for 15mm copper, allowing connection of towel rads.

Following assembly, manifolds are factory pressure tested to 6 bar. The manifold can also connect to LST radiators or towel rails.

Pumpset Connection Sizes

Flow = 3/4" female BSP, return = 3/4" female BSP

MANIFOLD SIZING CHART (ALLOW FOR PUMPSET AND BALL VALVES IN ADDITION TO DIMENSIONS BELOW)

Number of ports	2	3	4	5	6	7	8	9	10	11	12
Manifold Length (mm)	192	242	292	342	392	442	492	542	592	642	692

Recommended minimum installation clearances: 200mm between the finished floor level (FFL) and bottom of the manifold, 100mm above the manifold, 50mm to either side of the manifold and allow an extra 100mm for the supply pipe work.

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