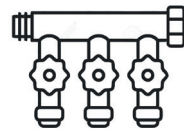


MANIFOLD & BLENDING KIT



MERCURY flow & return underfloor heating manifolds have a built-in mounting bracket for easy and secure fixing.

Flow manifolds feature flow meter devices so the circuits can be balanced and flow rates can be read directly.

Return manifolds are equipped with control valves for flow regulation and protecting caps. The manifold kit features an additional fitting on both the flow and on the return manifolds for fill-drain ports and manual air-vent valves. These are included as standard.

Tried and tested

All distribution manifolds are made from drawn brass bars with a special profile. They are made and assembled automatically by innovative machinery; they then undergo stress relief heat treatment in order to strengthen the brass.

Each manifold is pressure tested with all the fittings and accessories mounted to ensure no leaks.

Pipes are connected with a 3/4 Eurocone thread (ISO228), sealed by glued o-rings to ensure they don't loosen when disassembling the fitting.

With the flow meter installed, the flow rate of each zone can be monitored via a gauge with graduated scale and indicator. Flow meters balance each single outlet and lock in place, which is particularly useful in cases of temporary closure for maintenance.

Manifolds are available for 2-12 loops and include complete colour coding of the flow and return.

Technical Features

- Max operating temperature: 90°C
- Max operating pressure: 10 bar

FLOW METER

- Adjustment range: 0÷5 l/min
- Precision: $\pm 10\%$
- Shutter: PA MXD6
- Seal: peroxide EPDM
- Lock ring: PPO and PS blend
- Indicator: PA 12
- Spindle: PSU
- Spyglass: transparent PA 12
- Cover: ABS

MATERIALS

- Brass parts: CW617N
- Seal parts: peroxide EPDM
- Protecting caps: ABS

FLOW METER

- Body: PPA

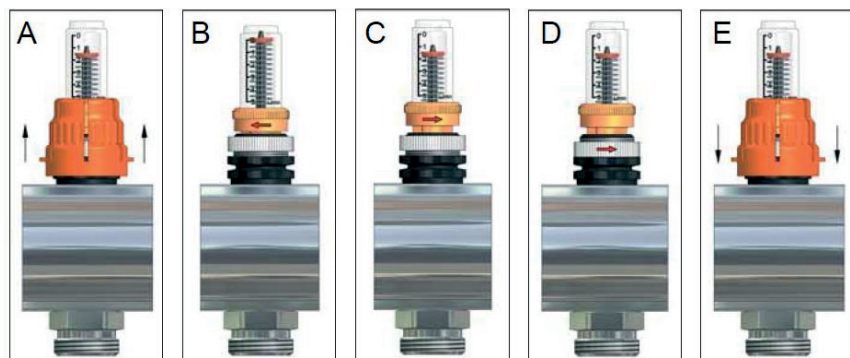
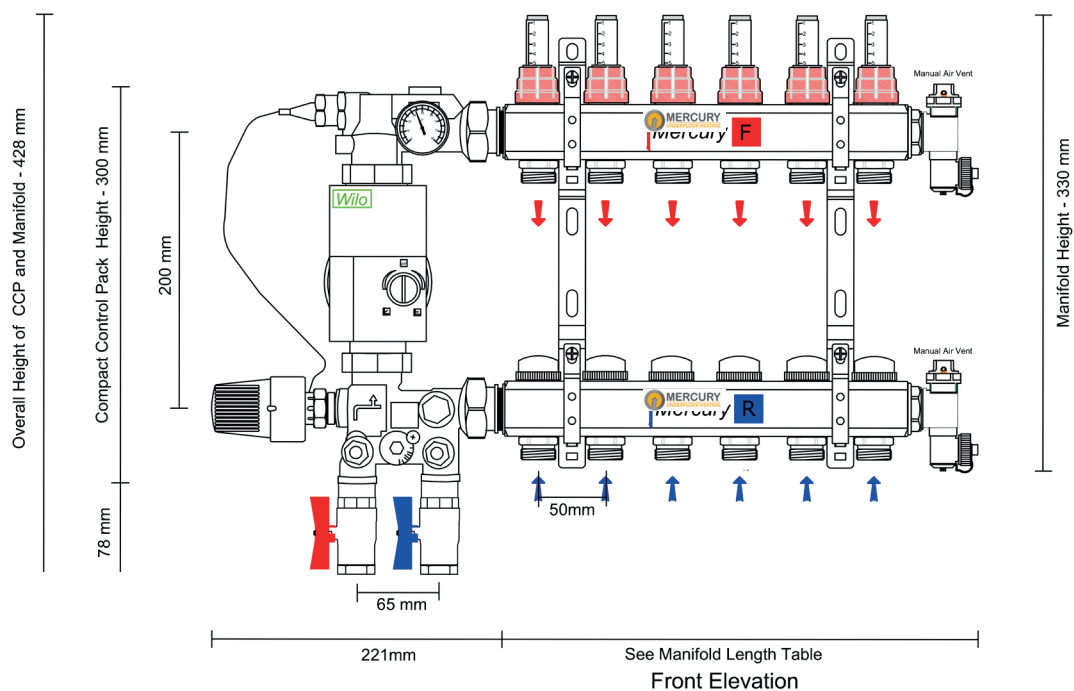


Fig 1: Flow meter adjustment and lock

Kit of adjustment manifold with:

- Integrated flow meter
- On/off manifolds with protection caps
- Built in brackets and fittings
- Additional air vent valves
- Fill drain taps

Configuration with pump and blending kit



MERCURY BLENDING KIT ME1053

Conditions of use		Materials	Manifold	Length
Contact fluid:	water or water-glycol mixtures	Upper and lower bodies: CB7535 brass	2 Port	172mm
Temperature adjustment range:	30-55°C / 86-131°F or 20-60°C / 68-140°F	Other brass components (headwork, shutter etc) CW617N brass	3 Port	222 mm
Max Operating static temperature	10 bar /145 psi	Rubber sealing parts - peroxide EPDM	4 Port	272mm
Max primary fluid temperature	90°C / 194°F	Thermostatic head	5 Port	322mm
Differential overpressure by-pass valve range	0.2-0.6 bar / 2.9-8.7 psi	Knob - ABS	6 Port	372mm
Thermometer range	0-80°C / 32-176°F	Body - PC and ABS blend	7 Port	422mm
		Ring nut - CW617N brass	8 Port	472mm
			9 Port	522mm
			10 Port	572mm
			11 Port	622mm
			12 Port	672mm

Components

UFH mixing kit is a distribution unit designed to provide reliable flow temperature control, flexible installation and easy start-up.

- | | |
|--------------------------------|--|
| • Pump 6m Head high efficiency | • Thermometer |
| • Remote sensor holder | • Thermostatic headwork + protection cap |
| • Upper body | • Primary by-pass valve |
| • Lower body | • Secondary by-pass valve |
| • Manifold connection fittings | • Thermostatic head |