

### MANIFOLD WITH CIRCULATOR AND MIXING UNIT

**Sizes available** 2 to 12 Port

**Suitable for:** Water, Water/Glycol mixtures

**Temperature Range:** -10°C to +95°C

**Motor design:** A-rated circulator

**Max system pressure:** 6 bar

**Electrical supply:** 200-240 Volt, 50/60 Hertz

**Power consumption:** 3-45 Watt

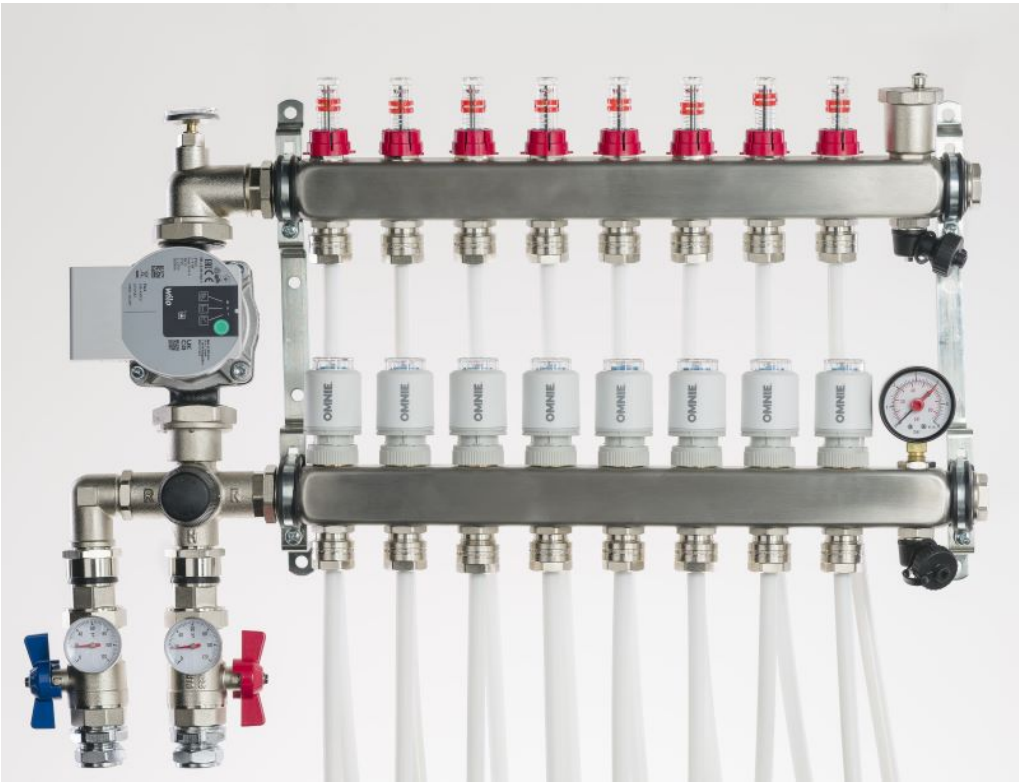
**Watt protection:** IP 44

**Insulation class:** F

**3 way thermostat & mixing valve:** Size 1 – Range of regulation 25-55°C

**Manifold with mixing unit  
and circulator:**

The manifold is supplied with a mixing unit and circulator to ensure the water temperature entering the floor does not exceed the design temperature. This manifold configuration is essential if the heat source is able to supply high temperature water. The circulator comes pre-set to recommended settings.



CIRCULATOR USER MANUAL

CIRCULATOR TROUBLESHOOTING GUIDE

ST - CIRCULATOR DATASHEET

BRANCH ONLY MANIFOLD

Optional 'Branch' manifold:

If the water is supplied at the correct temperature then the mixing valve is unnecessary. Also, if there is a primary circulator installed then this can be removed from the manifold assembly too.

DIMENSIONS

Pump/Mix & Pump Only Unit:

**Width** = Measured left to right, this includes the pump and mixing pack. The Pump only arrangement is identical in size but without the mixing element.

**Height** = Measured from bottom of isolation valves to top of flow meters (allow space for pipes to bend into the floor).

**Depth** = Measured from wall. this is 200mm which is indicative (always allow space for sufficient working access)

Arms Only Unit:

**Width** = Measured left to right, this includes the isolation valves (you will need to allow space for Flow & Return pipework and sufficient working access)

**Height** = Measured from bottom of wall bracket to top of flow meters (allow space for pipes to bend into the floor).

**Depth** = Measured from wall. this is 150mm which is indicative (always allow space for sufficient working access)

**Note:** When installing/locating the manifold, you must always allow space for Flow & Return pipework and sufficient working access.

		2	3	4	5	6	7	8	9	10	11	12
Manifold with Pump Mix Assembly	Width (mm)	361	411	461	511	561	611	661	711	761	811	861
	Depth (mm)	200	200	200	200	200	200	200	200	200	200	200
	Height (mm)	495	495	495	495	495	495	495	495	495	495	495
Arms Only Unit (incl parallel isolation valves)	Width (mm)	285	335	385	435	485	535	585	635	685	735	785
	Depth (mm)	150	150	150	150	150	150	150	150	150	150	150
	Height (mm)	400	400	400	400	400	400	400	400	400	400	400