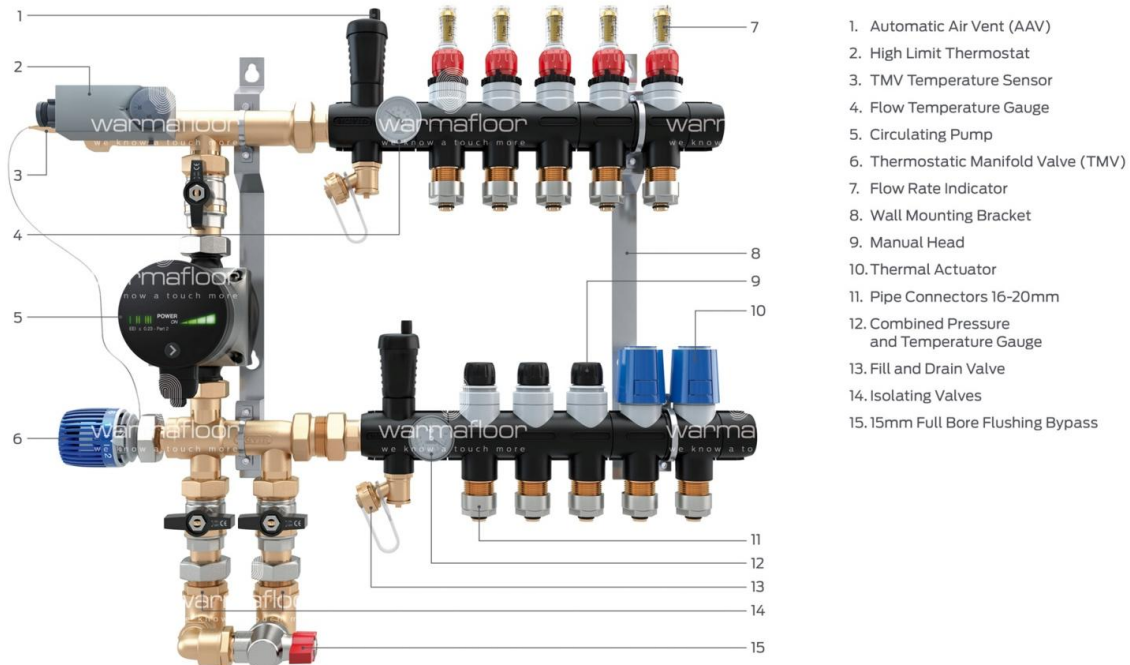


## System Data Sheet

### Composite Blending Manifold



1. Automatic Air Vent (AAV)
2. High Limit Thermostat
3. TMV Temperature Gauge
4. Flow Temperature Gauge
5. Circulating Pump
6. Thermostatic Manifold Valve (TMV)
7. Flow Rate Indicator
8. Wall Mounting Bracket
9. Manual Head
10. Thermal Actuator
11. Pipe Connectors 16-20mm
12. Combined Pressure and Temperature Gauge
13. Fill and Drain Valve
14. Isolating Valves
15. 15mm Full Bore Flushing Bypass

Composite manifolds utilise the most appropriate materials for the specific function they are intended. Therefore the body of the barrels is manufactured from Glass Fibre Reinforced Black Polyamide (GRBP). The material is not adversely affected by accidental contact with linseed oil sealing compounds and will be unaffected by soft, hard or aggressive water or inhibitors.

The circuit flow rate indicators are manufactured in ABS known for its wide use in plumbing materials and operating temperature range. Gauges are industry standard giving reliable and accurate readings. Sealing rings are manufactured from EPDM rubber, again used for long term secure durability. Industry standard brassware is used for compression connections for both 16mm and 20mm polybutylene pipe, drain cocks, AAV, blending valve assembly and pump connection. High grade stainless steel ball valves are used to isolate the manifold.

The sealed actuator units also allow safe operation when ports are serving circuits above the manifold.

The pump manifold utilises a Grundfos Alpha 2L 15-60 inverter drive with an EPC rating of "A". The Alpha 2L is also EuP ready meaning it meets the latest EU directives.

The manifold has 1" flow and return primary connections which can be handed to suit specific requirements.

A 15mm full bore flushing bypass is fitted to the manifold for pre-commissioning purposes.

All configurations of our manifold have been tested rigorously by the British Board of Agreement (BBA CERT. 10-4738) this has resulted in the BBA certifying the manifold to a minimum life expectancy of 25 years under normal operating parameters, typically this is maximum temperature 70 °c and minimum 4°c. The maximum pressure of the manifold is 6 bar.

# System Data Sheet

## Composite Blending Manifold



### Composite blending manifold

#### Dimensions:

2 Port	470mm
3 Port	520mm
4 Port	570mm
5 Port	620mm
6 Port	670mm
7 Port	720mm
8 Port	770mm
9 Port	820mm
10 Port	870mm
11 Port	920mm
12 Port	970mm

