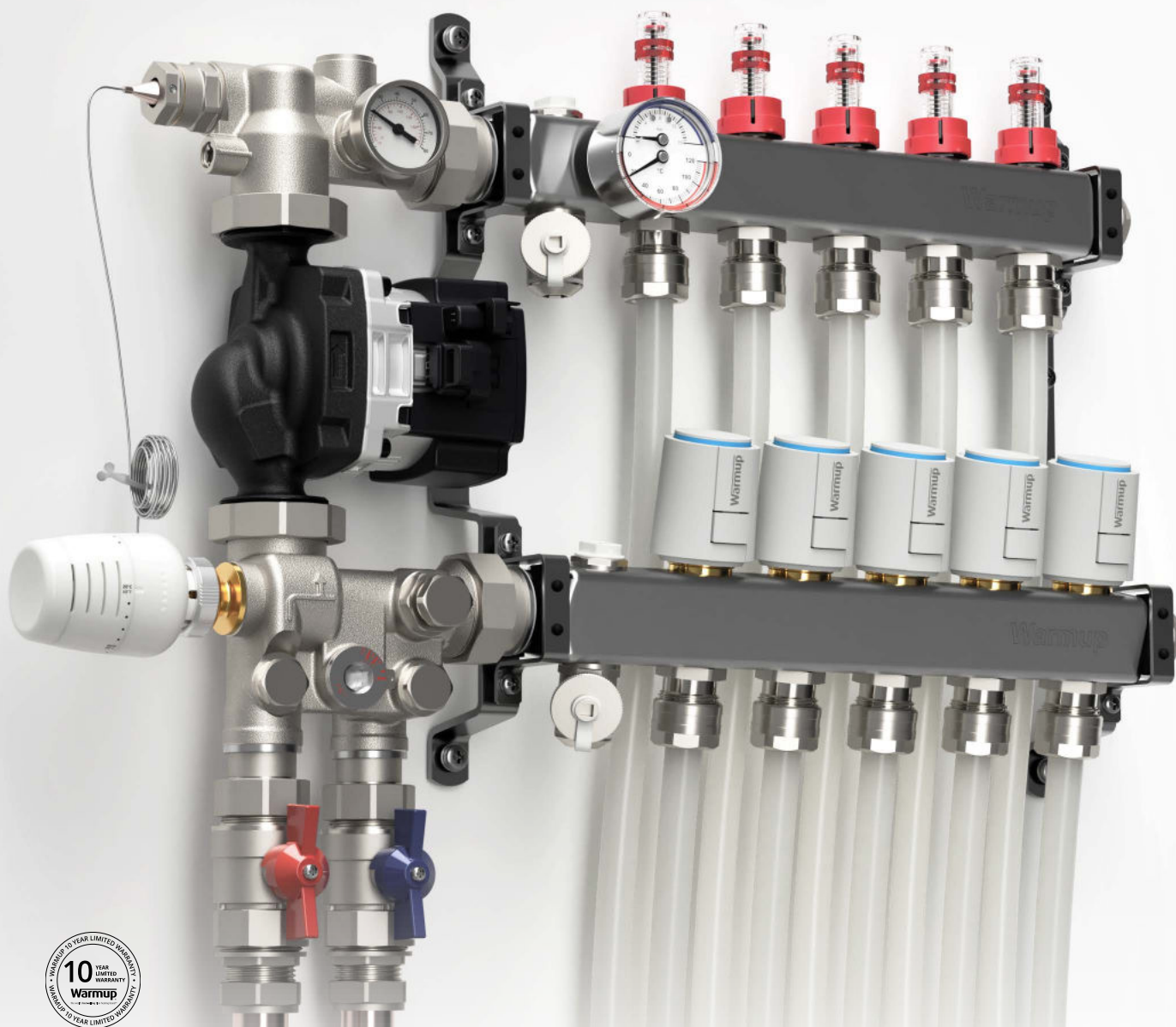


# Warmup S3 Manifold



## Single point of measurement

Thermomanometer on the flow arm allows for easy pressure testing, system commissioning and 'at a glance' operational checks thereafter

## Reliable zone control

5th Generation Möhlenhoff actuators combine their renowned reliability with just 1W power usage

## Accurate water regulation

Taconova TopMeter flow gauges provide quick, accurate and reliable water regulation

## Choice of circuits

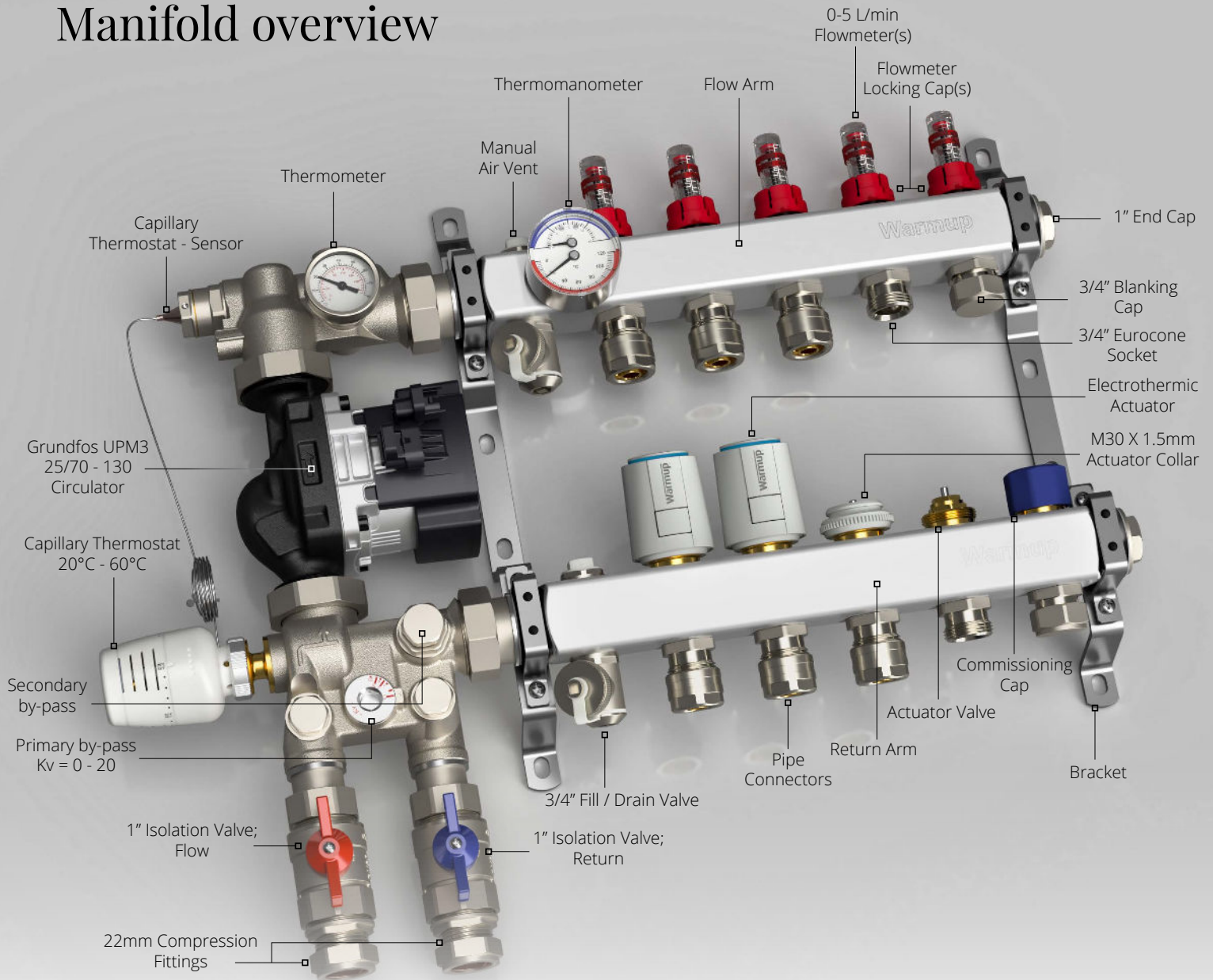
Available in 2-12 ports to match your requirements

## Overview

The Warmup S3 Manifold range provides flexible zoning and water regulation for 2 to 12 underfloor heating circuits. Supplied complete with Taconova TopMeters, Fill/Drain Valves, Air Vents and a Thermomanometer, it is equipped with all the features needed to commission an underfloor heating system quickly and confidently.

Available separately, the Warmup S3 Mixing Unit provides water temperature regulation between 20°C and 60°C, for tailored system performance. Mixing units are required for all installations where the temperature of the water provided by the heat source either does or could exceed the design water temperature of the floor heating system. This includes all heat sources which intermittently 'over heat' due to sterilisation cycles or uncontrolled heating.

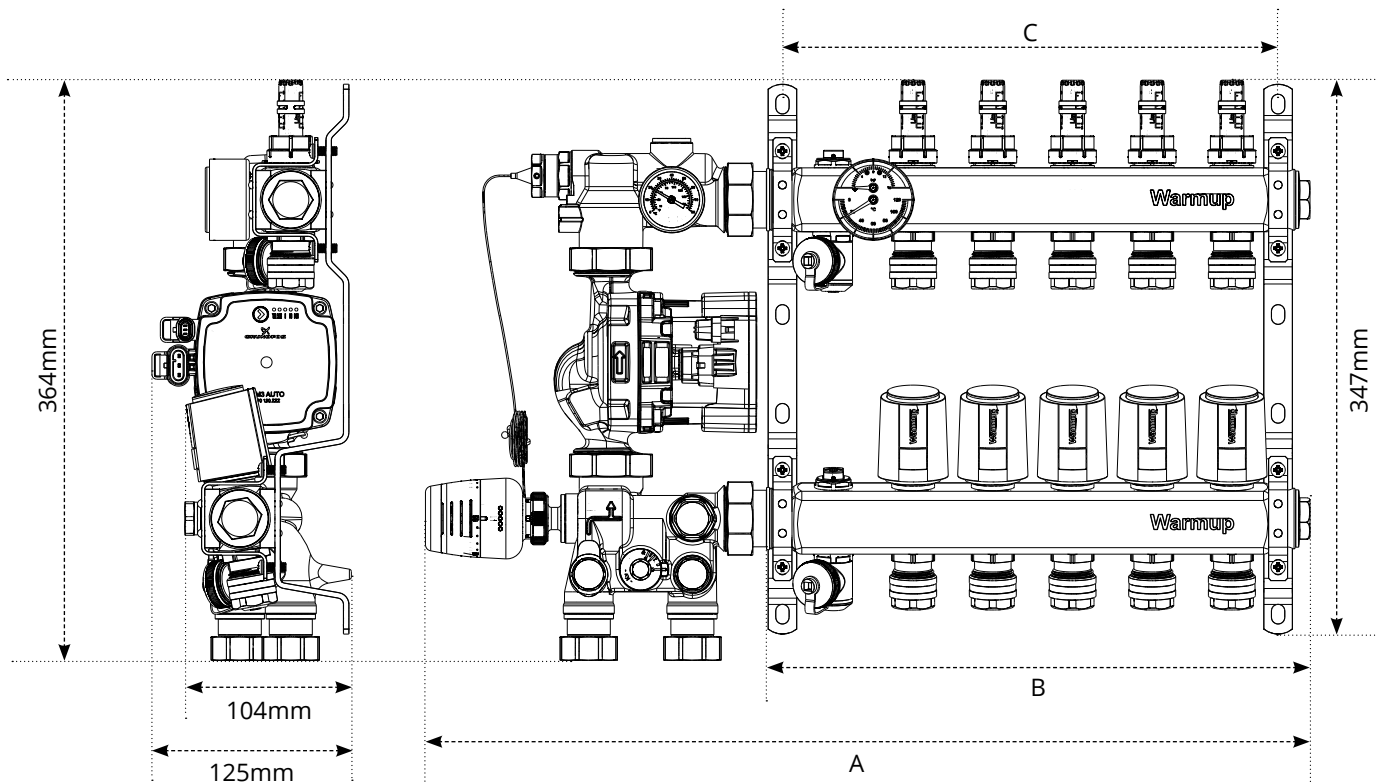
# Manifold overview



## Technical specifications

<b>Product code</b>	WHS-M-S3-XX <i>XX = No. of ports; 2-12</i>
<b>Material</b>	304 Stainless Steel
<b>Ports available</b>	2 - 12
<b>Temperature range</b>	-5°C to +60°C
<b>Max operating pressure</b>	6 Bar
<b>Max test pressure</b>	10 Bar
<b>Adjustment range</b>	0 - 5 l/min
<b>Measuring accuracy</b>	±10% (of highest nominal value)
<b>Manifold arm dimensions</b>	40 mm x 40 mm
<b>Pipe fitting centres</b>	50 mm
<b>Pipe fitting diameters</b>	3/4" Eurocone

# Dimensions



Type	Height (mm)	Depth (mm)	No. of Ports; Width										
			2	3	4	5	6	7	8	9	10	11	12
Including mixing unit (A)	364*	125	405	455	505	555	605	655	705	755	805	855	905
Excluding mixing unit (B)	347	102**	190	240	290	340	390	440	490	540	590	640	690
Bracket Spacing (C)			161	211	261	311	361	411	461	511	561	611	661

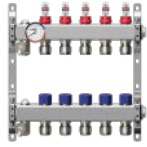
\* Manifold height is 469mm when the mixing unit is installed with S3 isolation valves.

\*\* Manifold depth includes S3 Actuators installed; Manifold depth is 95mm without the Warmup S3 Mixing Unit, actuators or isolation valves installed.

**NOTE:** If installing S3 isolation valves fitted to the Manifold, excluding mixing unit, add 105mm to the Manifold widths in the table.

# Components & parts

## Components



**WHS-M-S3-xx**  
Warmup S3 Manifold  
xx = 2-12 Ports



**WHS-M-S3-MIX**  
For S3 Stainless Steel Manifold - 3 Port Valve -  
Capillary Thermostat - Grundfos UPM3 Pump



**WHS-M-S3-VALVES**  
1" Isolation Valves, c/w: 1" Unions,  
22mm Compression Fittings



**WHS-M-S3-ACT230**  
Electrothermic Actuator - 230V



**ACC-CONNECT12x1.6**  
3/4" Eurocone to 12mm x 1.6mm



**WHS-P-CONNECT**  
3/4" Eurocone to 16mm x 2.0mm



**WHS-M-B-CAP**  
3/4" Blanking Cap

## Parts



**WHS-M-S3-ECAP**  
Spare Part - 1" End Cap



**WHS-M-S3-BRACKET**  
Spare Part - Manifold Brackets (Pair)



**WHS-M-S3-FLOW**  
Spare Part - S3 Manifold -  
1/2" Flowmeter; 0-5 l/min



**MFD-S3-ACTVALVE**  
Spare Part - Actuator Valve



**WHS-M-S3-GAUGE**  
Spare Part - S3 Manifold -  
1/4" Thermomanometer



**MFD-S3-FDVALVE**  
Spare Part - S3 Manifold - Fill/Drain Valve



**WHS-M-S3-ACTADPT**  
Spare Part - Actuator - 3/4" Collar

## Contact

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