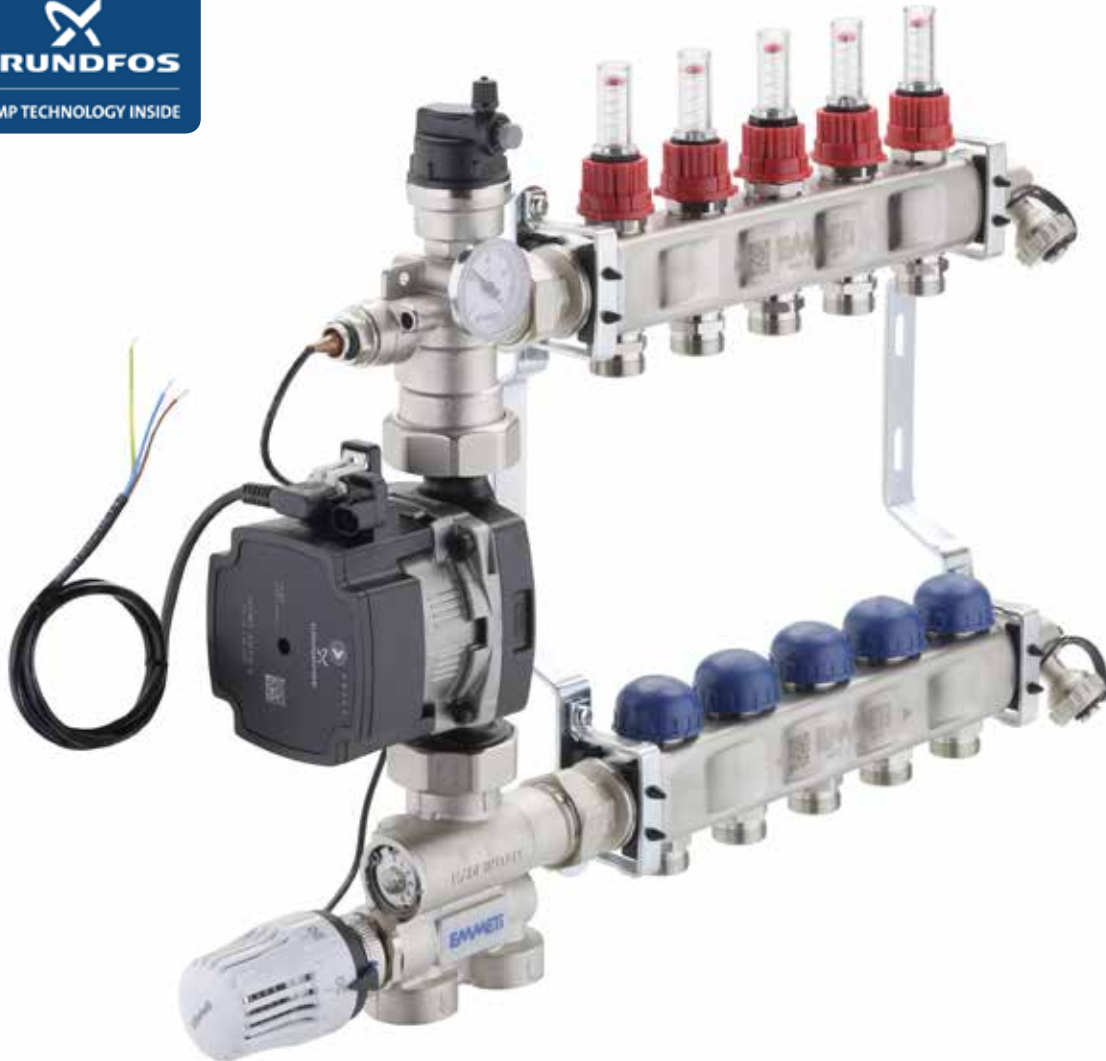








FMU-3 Floor Mixing Unit



**Product Features**

The FMU-3 Floor Mixing Unit is a pre-assembled control group and stainless-steel manifold assembly of between 2 and 12 ways. Incorporating the TM3-R control group that uses an integrated mixing valve with a remote sensing actuator, with an operating range of between 20° and 65°C. The FMU-3 includes a high efficiency Grundfos UPM3 Auto 7m, ErP 2015 compliant circulation pump.

**Features and Benefits**

-  Inclusive temperature control ensures that the water entering the floor do not exceed design temperatures.
-  Built in thermostatic actuator with temperature range between 20°-65°C for system design across all floor constructions.
-  Integrated flow rate control valve for increased regulation of the flow rate and temperature of your UFH system.
-  New stainless-steel manifold construction further increases resistance against corrosion.
-  Integrated two stage flow meters and built in non-return valve allow for ease of filling, balancing and commissioning of the system.
-  Pipe connections using Emmeti patented Monoblocco fittings supports a wide range of pipes including Copper, MLCP, PB and PE-X.

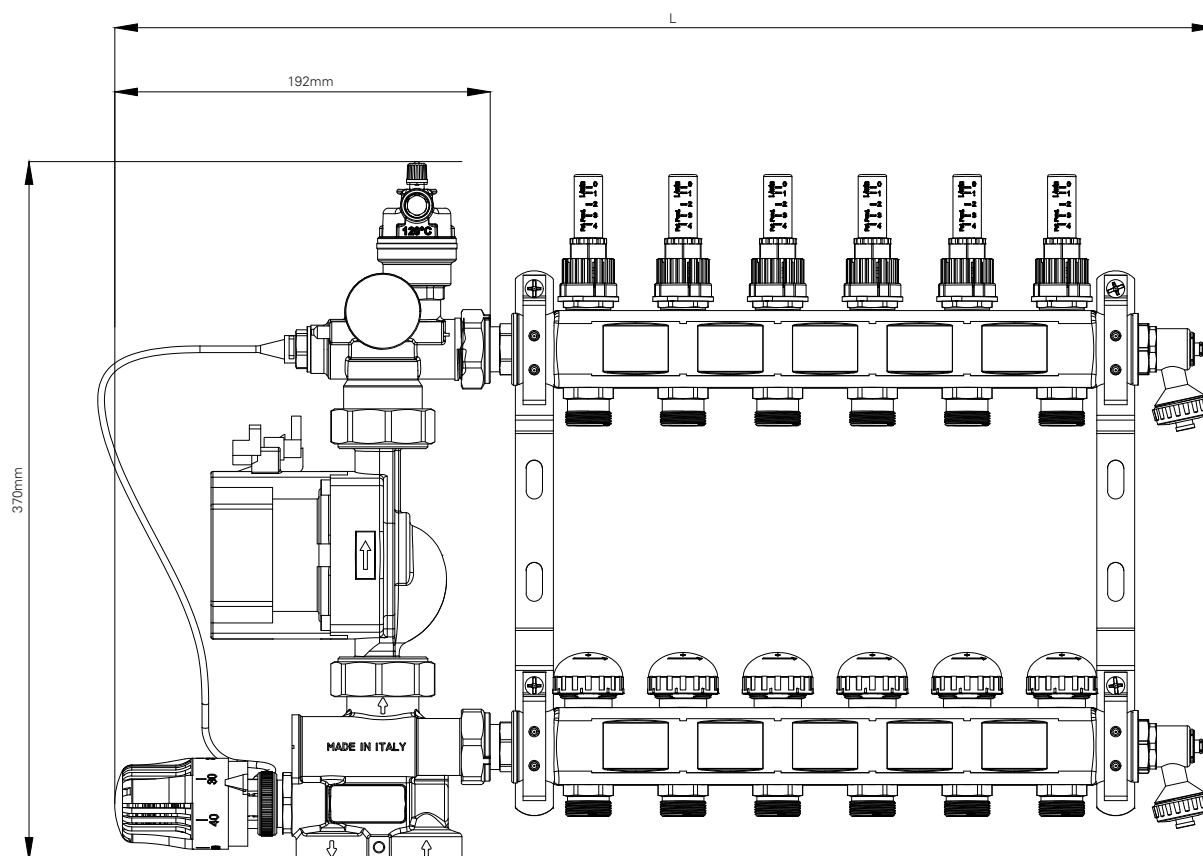
# Technical Data Sheet

## FMU-3 Floor Mixing Unit

### Specification

Primary circuit max temperature	90°C
Maximum operating pressure	6 bar
Primary circuit ΔP	1 bar
Secondary control range	20° - 65°C
Heating capacity (ΔT 7°C, ΔP available 0.25 bar)	G1"
Thermostatic regulation	10 kW by-pass pos. 0
Thermostatic regulation	12.5 kW by-pass pos. 5
Mixing valve pressure drop	Kv 3
Pressure drop with open bypass valve	Kvmax 4.8
Thermometer scale	0° - 80°C
Mixing unit inlet thread	G 1" F
Circulator connections: pipe union	1" ½ - takeoffs 130mm
Manifold connections	M 24x19

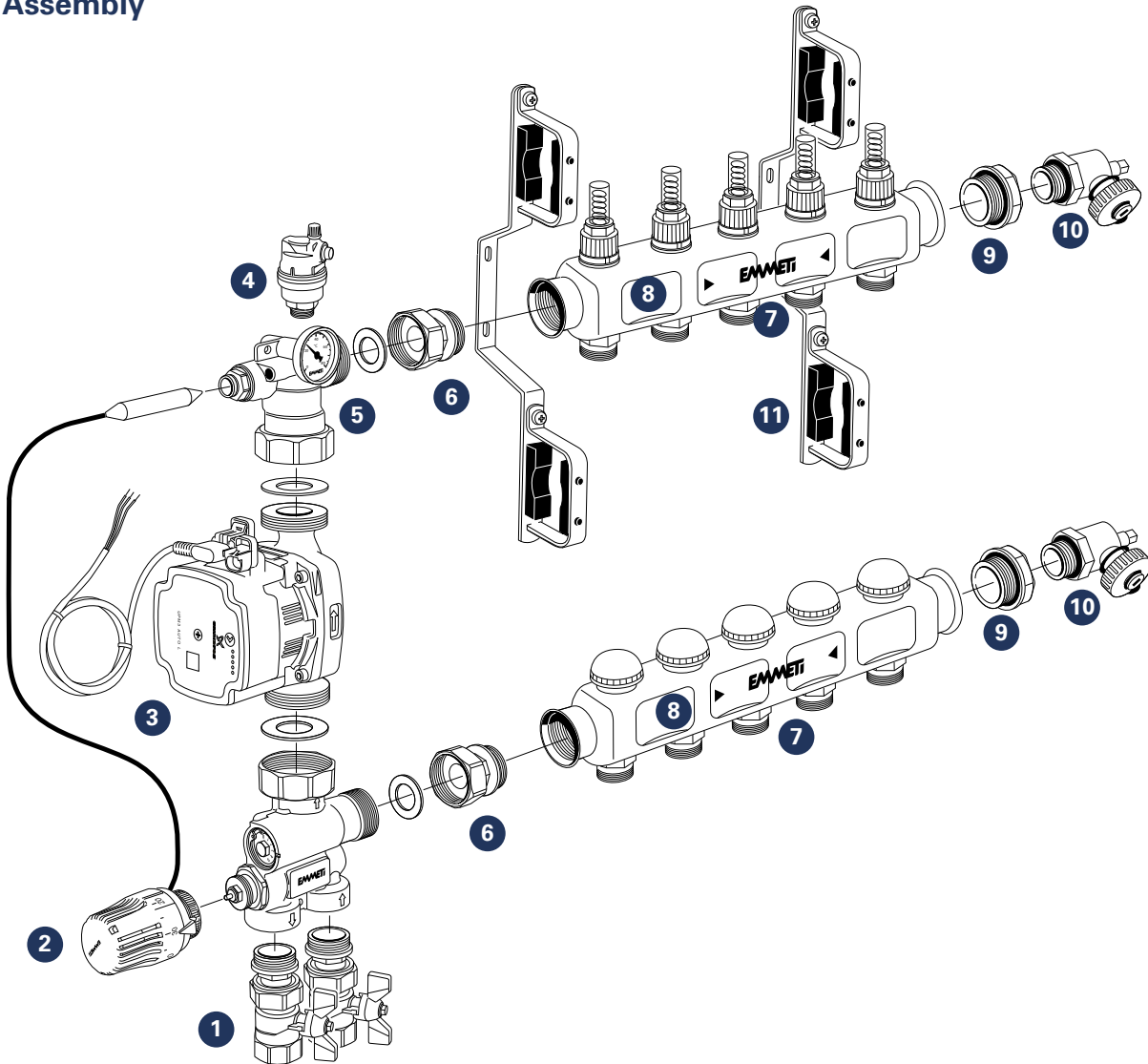
### Dimensions



Type	2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
L mm	380	430	480	530	580	630	680	730	780	830	880

FMU-3 Floor Mixing Unit

Assembly



- 1 Ball Valves**  
Code: 01306710  
1" with thermometer / 01306708  
1" without thermometer
- 2 Thermostatic Actuator**  
Code: 90060890  
M30 x 1.5
- 3 Pump**  
Code: 00710530  
Grundfos UPM3 Auto electronic circulator
- 4 Automatic Air Vent**  
Code: 00400004  
Tecno-Varia Automatic Air vent
- 5 Thermometer**  
Code: 90006860  
0° - 80°C
- 6 Union Connector**  
Code: 90055960  
1" M BSP x 1" F Union Connector

- 7 Monoblocco Connectors**  
A range of Monoblocco connectors are available to suit pipe sizes 10mm – 20mm, and different pipe types PB, PE-X, PE-RT, MLCP and Copper. For the complete range please visit [www.emmeti.co.uk](http://www.emmeti.co.uk).
- 8 Topway Plus Compact Manifold**  
Code: 01292760 (2 Way) to 01292780 (12 Way)
- 9 Reducing Fitting**  
Code: 90004850  
1" M x ½" F
- 10 Drain / Fill Valve**  
Code: 90011790  
½" Drain / Fill Valve with ¾" hose connection
- 11 Double Metal Brackets**  
Code: 90011570  
1" 210mm

Description	Pcs/Pack	Code
1" 2-Way	1	28132460
1" 3-Way	1	28132462
1" 4-Way	1	28132464
1" 5-Way	1	28132466
1" 6-Way	1	28132468
1" 7-Way	1	28132470
1" 8-Way	1	28132472
1" 9-Way	1	28132474
1" 10-Way	1	28132476
1" 11-Way	1	28132478
1" 12-Way	1	28132480