







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 and a locking pin to set maximum blend temperature. 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.

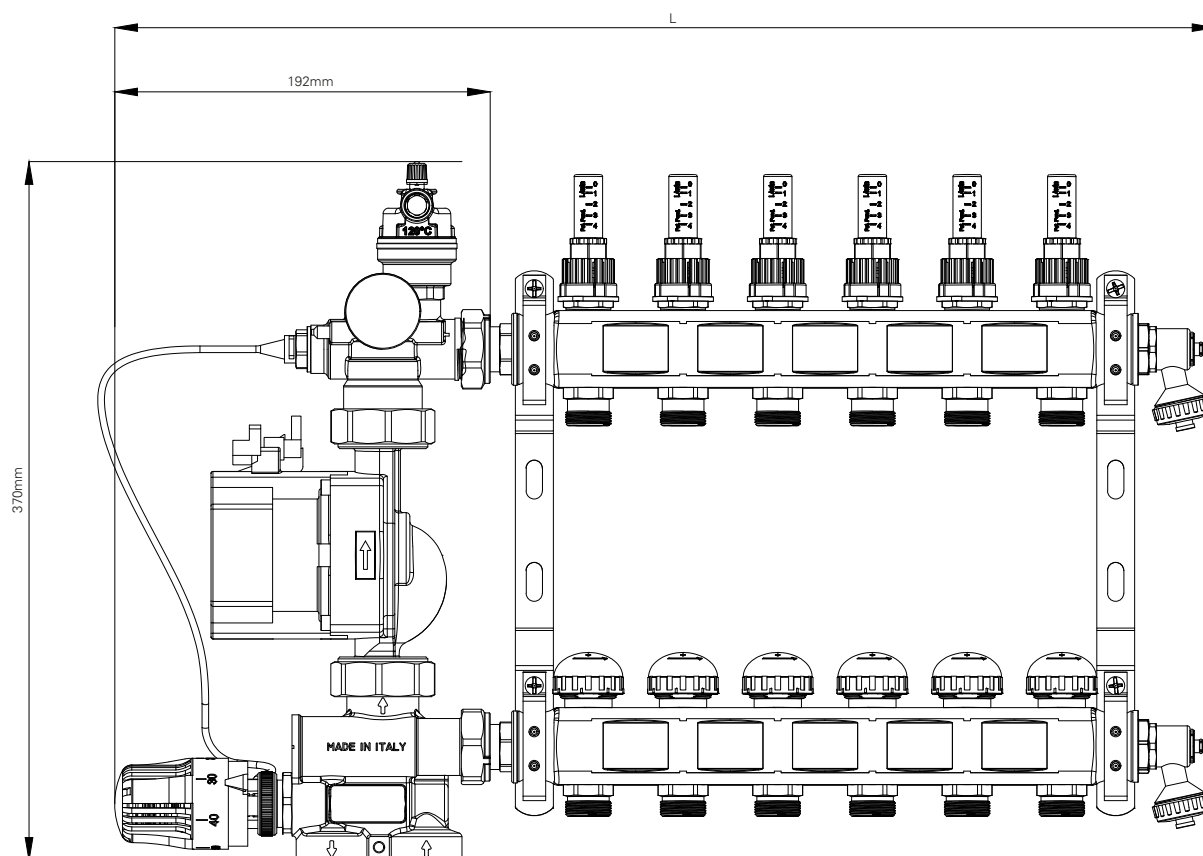
# Technical Data Sheet

## 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

### FMU3 Floor Mixing Unit with low temperature manifold including flowmeters



**NEW PRODUCT**

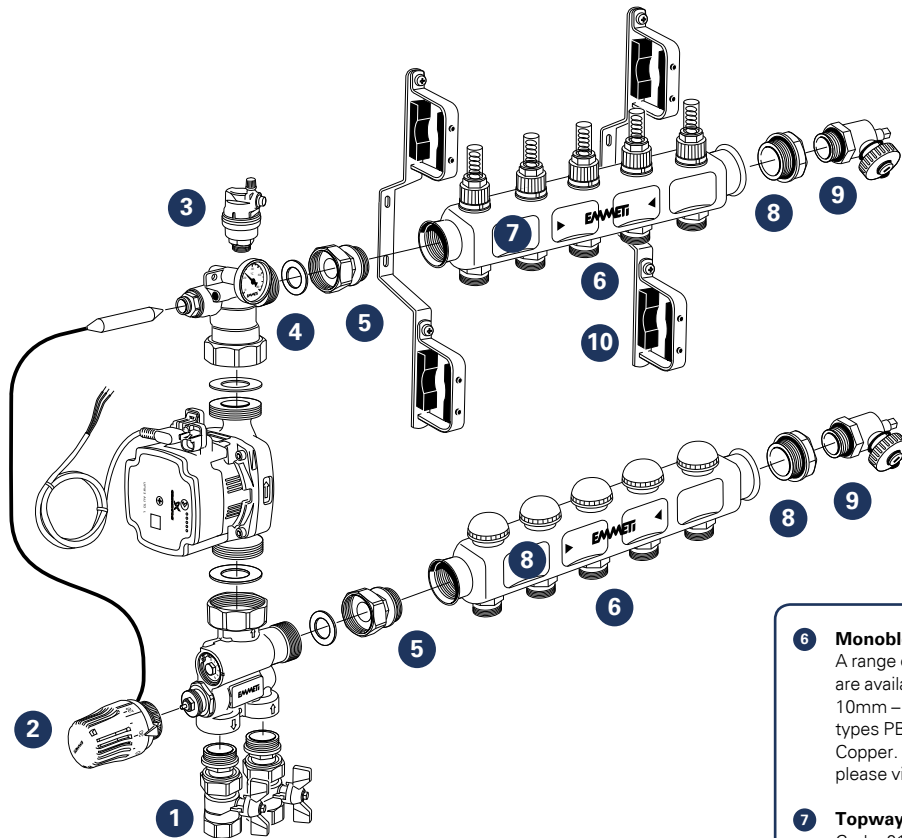
Description	Pcs/Pack	Code	Unit Price £
1" 2-Way	1	28132460	563.60
1" 3-Way	1	28132462	586.30
1" 4-Way	1	28132464	608.80
1" 5-Way	1	28132466	634.60
1" 6-Way	1	28132468	655.00
1" 7-Way	1	28132470	677.30
1" 8-Way	1	28132472	701.40
1" 9-Way	1	28132474	724.00
1" 10-Way	1	28132476	746.80
1" 11-Way	1	28132478	768.50
1" 12-Way	1	28132480	792.10



Designed for Underfloor heating the FMU-3 Floor Mixing Unit is a pre-assembled control group and stainless-steel manifold assembly 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 pump.

The flow rail has a double regulating red sleeved 0 - 4 l/min flow meter per circuit that allows individual circuit flow regulation and isolation with visual flow indication. Return rail has a blue capped integrated electrothermic body to accommodate an electrothermic actuator per circuit. The Grundfos UPM3 Auto 7m pump is ErP 2015 compliant, with 3 control modes and a double de-blocking system.

For pipe, Emmeti Monoblocco connectors and valves please refer to the relevant pages within this section. These must be ordered separately.



- 1 Ball Valves**  
Code: 01306710  
1" with thermometer / 01306708 1" without thermometer
- 2 Thermostatic Actuator**  
Code: 90060890 M30 x 1.5
- 3 Automatic Air Vent**  
Code: 00400004  
Tecno-Varia Automatic Air vent

- 4 Thermometer**  
Code: 90006860 0° - 80°C
- 5 Union Connector**  
Code: 90055960  
1" M BSP x 1" F Union Connector

- 6 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).
- 7 Topway Plus Compact Manifold**  
Code: 01292760 (2 Way) to 01292780 (12 Way)
- 8 Reducing Fitting**  
Code: 90004850 1" M x 1/2" F
- 9 Drain / Fill Valve**  
Code: 90011790 1/2" Drain / Fill Valve with 3/4" hose connection
- 10 Double Metal Brackets**  
Code: 90011570 1" 210mm

