







TM3-R Control Group



Product Features

The TM3-R is a control group for use with Emmeti's new Topway Plus stainless-steel manifold in underfloor heating applications. The mixing valve on the TM3-R is adjustable between 20° - 65°C which complies with the requirement of BS 1264-4 2009 for initial warm up temperatures of between 20° - 25°C and a locking pin to set maximum blend temperature. The TM3-R has an additional probe pocket for an optional over temperature device to be installed. A throttle to increase the Kv of the mixing valve for larger systems. A built in non-return valve above the circulation pump to prevent back filling during the system fill and also reduces water loss if the circulation pump needs to be removed for maintenance. A new ErP 2015 compliant Grundfos UPM3 Auto 7m circulation pump is fitted as standard.

Features and Benefits

-  Precision engineered Emmeti materials and market leading high-efficiency Grundfos pump technology provide long lasting and leading performance.
-  Pre-assembled pump and blending unit reduces installation time and allows for easy control of the underfloor heating system.
-  Inclusive temperature control ensures that the water temperatures 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 the underfloor heating system.
-  Standard 210mm manifold spacing and 1" BSP connections allows for use across Emmeti's wide range of manifold products.

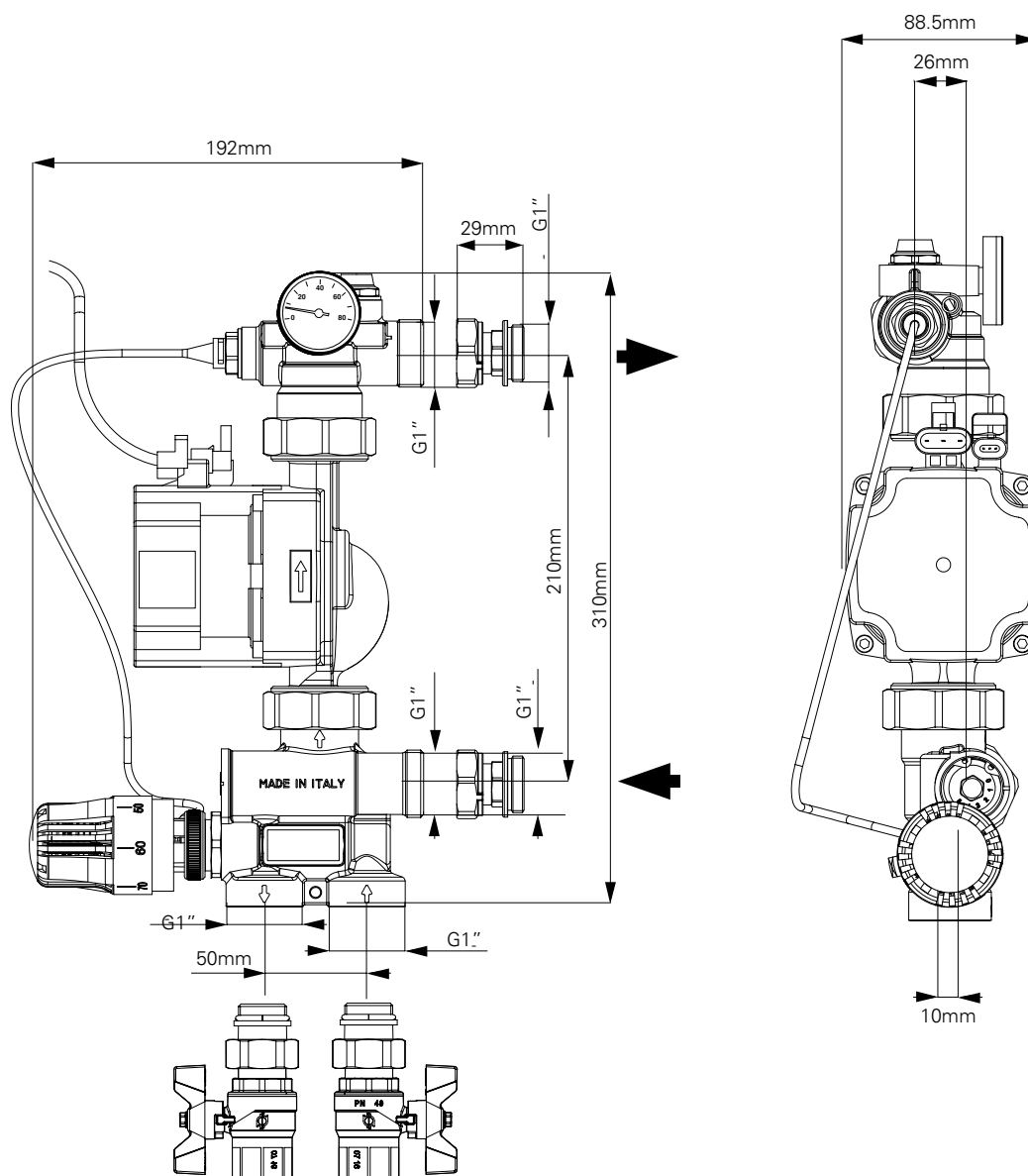


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Specification

Primary circuit max temperature	90°C
Maximum operating pressure	10 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
Connection thread	G 1" M
Circulator connections: pipe union	1" ½ - takeoffs 130mm

Dimensions



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TM3-R Thermostatic Mixer Control Group with Grundfos UPM3 Auto pump



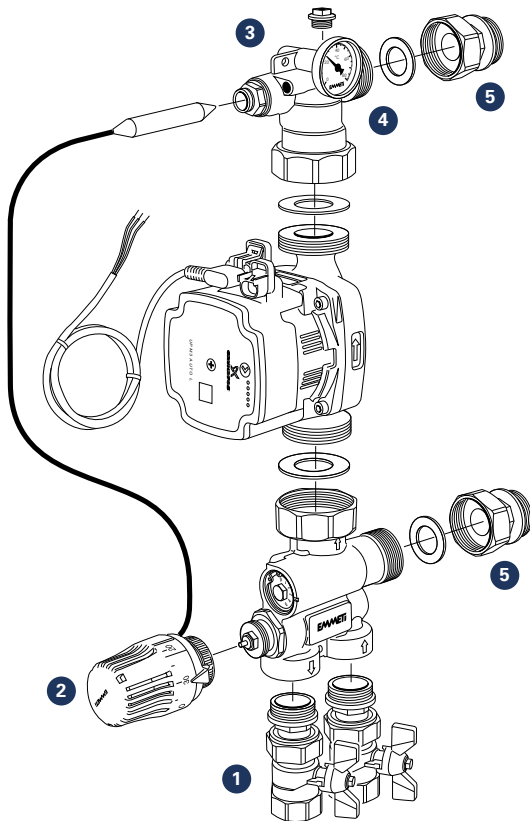
Description	Pcs/Pack	Code	Unit Price £
TM3-R Control Group, thermostatic mixing valve	1	28132260	460.10

The TM3-R is designed for Underfloor Heating. The control group incorporates a Grundfos UPM3 Auto 7m pump and a mixing valve with remote probe actuation to give a temperature range of between 20 - 65°C, making it suitable for screed drying purposes. It includes a throttle to increase Kv for larger systems. Compatible with our Type 2 Topway Plus manifold 210mm centres. Includes 1" M manifold connections with O-ring seals and 1" M connections for primary flow and return.

Includes a temperature gauge measuring the mixed flow temperature, manual air vent and bracket to support the weight of the pump.

The Grundfos UPM3 Auto 7m pump is ErP 2015 compliant, with 3 control modes and a double de-blocking system.

Mixing Valve Kvs 3 - 4.8, 10kw - 18kw.



- 1 Ball Valves**
Code: 01306710
1" with thermometer / 01306708
1" without thermometer
- 2 Thermostatic Actuator**
Code: 90060890
M30 x 1.5
- 3 Manual Air Vent**
Code: 00410021
½"
- Thermometer**
- 4** Code: 90006860
0° - 80°C
- Connector**
- 5** Code: 90055960
1" M BSP x 1" F Union Connector

