CosyFloor

Cosy High Temperature Underfloor Heating Thermostatic Head

The **CosyFloor** thermostatic head is a control group for use with manifolds. The mixing valve is adjustable between 20 and 65 degrees Centigrade which complies with the requirement of BS 1264-4 2009 for initial warm up temperatures of between 20˚to 25˚C and a locking pin to set maximum blend temperature. It also has an additional probe socket 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.



Features & Benefits

- Precision engineered materials and market leading high-efficiency pump technology provide long lasting and leading performance.
- 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 wide range of manifold products.

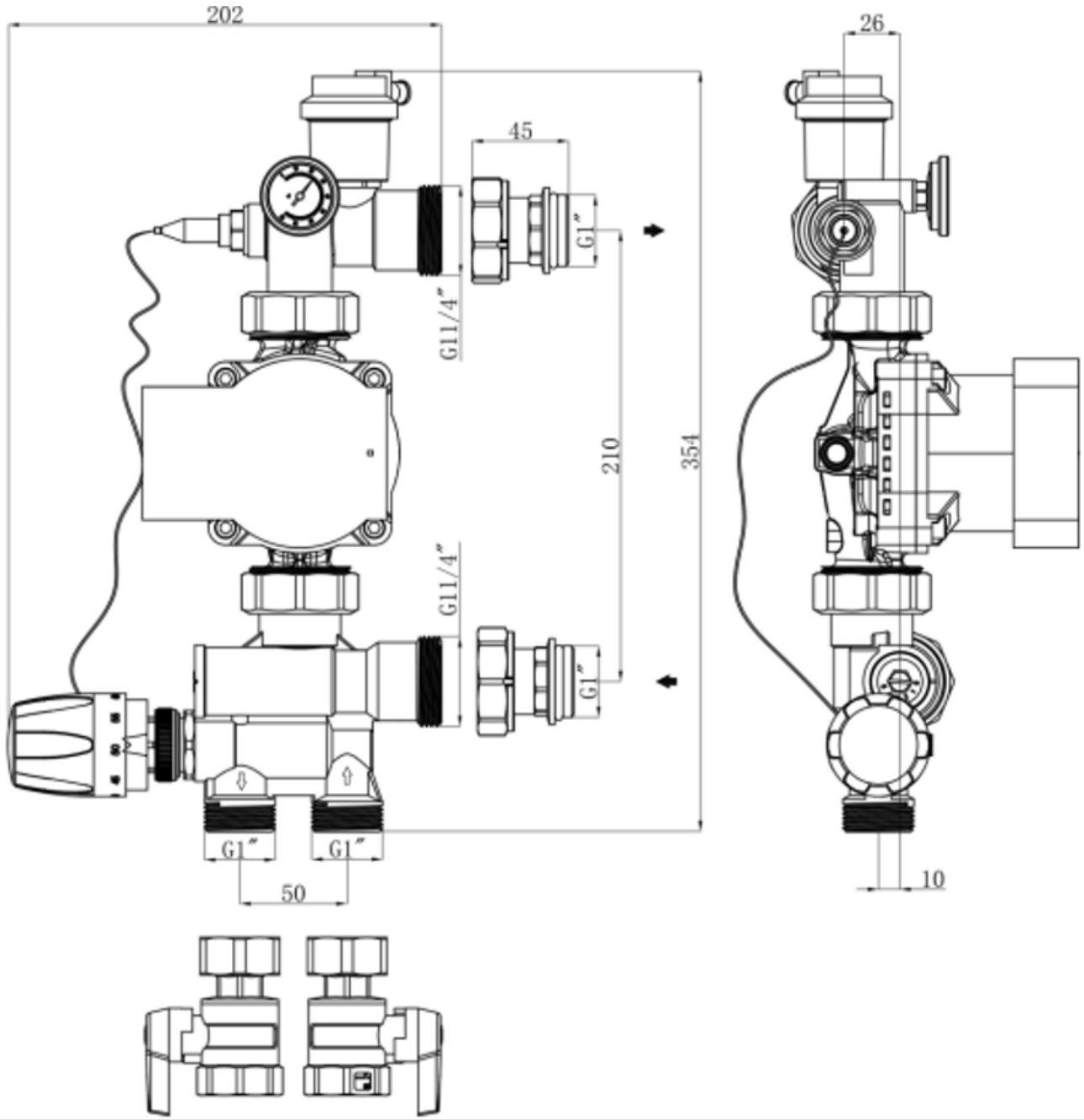
Specification

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
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° - 120°C
Mixing unit inlet thread	G 1” M
Connection thread	G 1” M
Circulator connections: pipe union	1” ½ - takeoffs 130mm

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Dimensions



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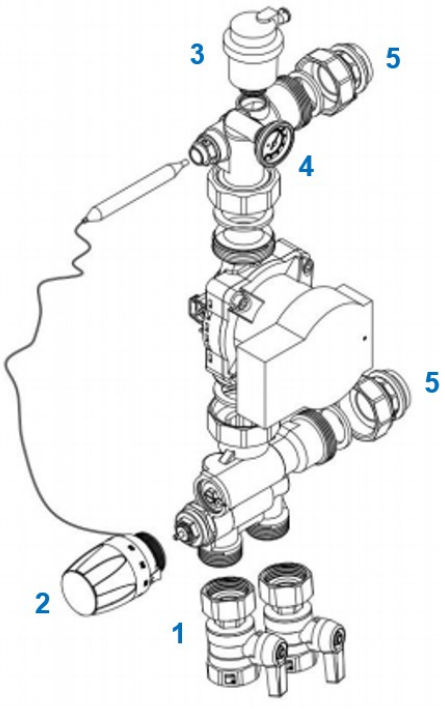
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Product Features

The CosyFloor thermostatic head is designed for underfloor heating .
The control group incorporates 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 manifold 210 mm centres. Includes 1" M manifold connections with O-ring seals and 1" M manifold connections for primary flow and return.

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





Components

1 . Ball Valves
2 . Thermostatic Actuator
3. Auto Air Vent
4. Thermometer
5. Connector 1 1/4" F x 1" M Union Connector