



■ Product Features

The ZL-2548 is a control group for use manifold in underfloor heating applications. The mixing valve on the ZL-2548 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 ZL-2548 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.

■ Features and Benefits

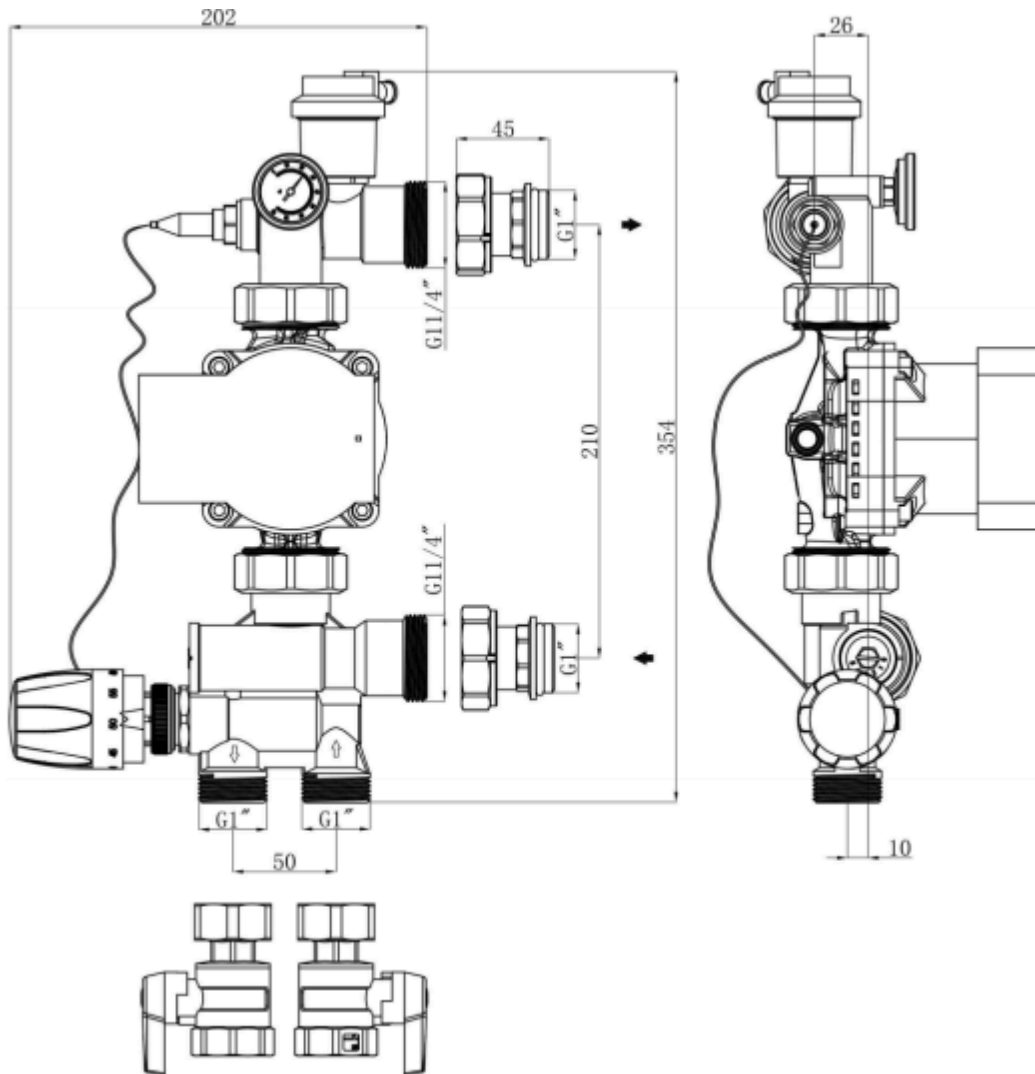
- Precision engineered materials and market leading high-efficiency pump technology provide long lasting and leading performance.
- Inclusive temperature control ensures that the water temperatures entering the floor do not exceed design temperatures.
- Built in thermostatic actuator with temperature 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.

■ Technical data

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

■ Dimensions



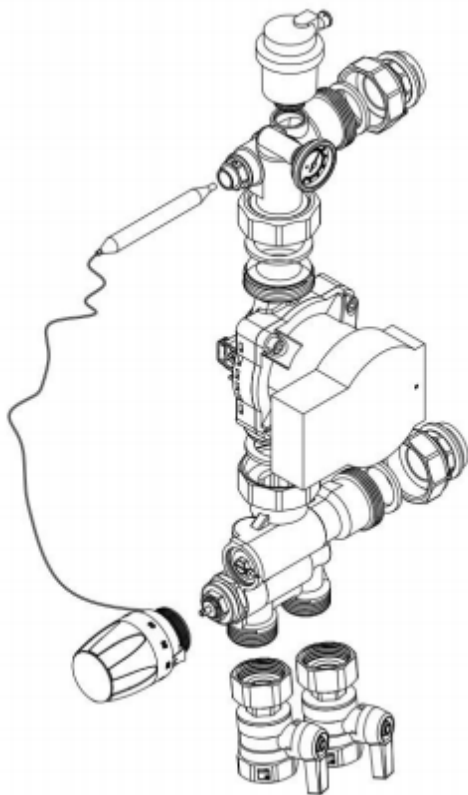
Control Pack Datasheet

Product Features

The ZL-2548 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 centers . I ncludes 1 " M manifold connections with O - ring seals and 1 " M connections for primary flow return .

I ncludes a temperature gauge measuring the mixed flow

temperature , auto air vent and bracket to support the weight of the pump .



Components

1. Ball Valves

Code : Z L - 4 1 6 7

1 "

2. Thermostatic Actuator

Code : Z L - 2 0 1 4 V

M 3 0 x 1 . 5

3. Auto Air Vent

Code : Z L - 7 3 1 1

1 / 2 "

4. Thermometer

Code : B 1 0 1

0 - 120°C

5. Connector

Code: ZL - 2549 - 1 - 07

1 1/4" F x 1" M Union Connector