

Thermostatic Mixture System or Thermostatic Control Group DATA SHEET ZL-2546





Description

1. This control group has been designed for control of flow and water temperature in an under floor heating system. It is pre-assembled and tested to ensure the users can operate it immediately once fitted, and it can show the corresponding temperature clearly.
2. As supplied it is designed to connect to the left hand side of a manifold with 210mm between the centers of the flow and return arms. It can also be used with any other manifold built on this dimension. The control group can also be altered to fit to the right hand side of a manifold simply by removing the bracket clips and turning the control group elbows through 180 degrees using the union fittings at the top and bottom of the pump. The pump motor may need to be rotated through 180 degrees to minimise the space occupied by the control group.
3. There are two other control groups to cater for applications with different control needs or higher flow rates for larger residential applications

Performance

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| Maximum static pressure | 10bar |
| Maximum differential pressure | 3bar |
| Inlet Temperature | 1-95°C |
| Outlet temperature | 35-60°C(Default value 40°C) |
| Temperature control precision | ±2.5°C |
| Flow speed | 0.25~0.4m/s |
| Once supply rated flow | 1200L/h |
| Second supply rated flow | 300L/h |
| Maximum working pressure | 0.8Mpa |
| Noise | ≤45db(decibel) |
| Protection grade | IP44 |
| Overall dimensions(L,W,H) | 311mm*189mm*133mm |
| Surface | Nickel Plated Supporting bracket With rubber supports for extrastability and noise reduction |