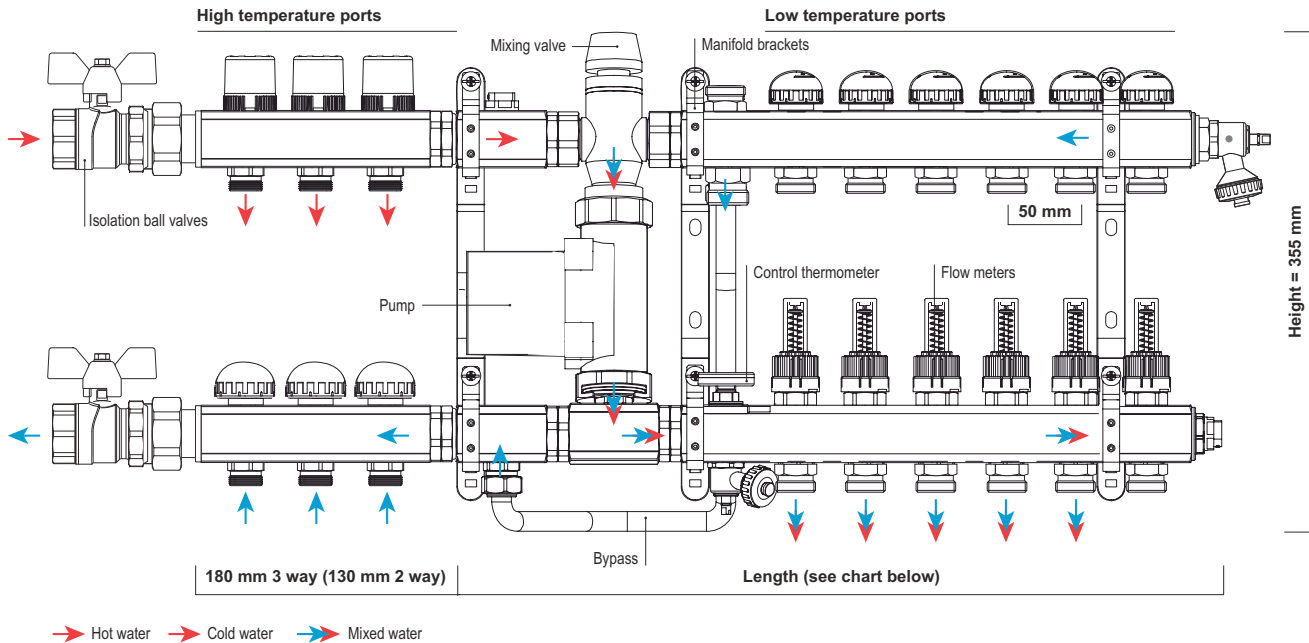


FLOOR MIXING UNIT

ambiente®

more than underfloor

Floor mixing unit front view (Six port manifold used for example purposes only)



PRODUCT OVERVIEW

Floor mixing unit distributes primary warm water into both high temperature and low temperature circuits from one central unit. It does this by utilizing a blending valve mid way through the manifold assembly where the temperature is blended down to optimum UFH flow temperatures. Each unit is shipped pre-assembled and ready for installation with functionality conforming to BS1264-4.

Units can serve up to 200m² but installation is easier and more effective if a manifold is installed in accessible locations on each floor. The size of the manifold depends on the area it is serving, the largest being 150mm deep by 1200mm wide serving approximately 200m². Manifolds must be easy to use and simple to commission.

Installation and commissioning is straightforward. Each underfloor heating circuit can be individually isolated without disrupting the balancing settings. This is an important feature as the manifold circuits must be balanced to ensure the heat outputs to each room are as designed. Temperature gauges on each return connection act as a visual aid to check if the system is balanced correctly.

A manual air vent and water mixing valve help ensure that once commissioned, the system will last for years to come and require very little maintenance.

Each unit also has a bypass and manifold ports for towel radiator connections can be added.

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