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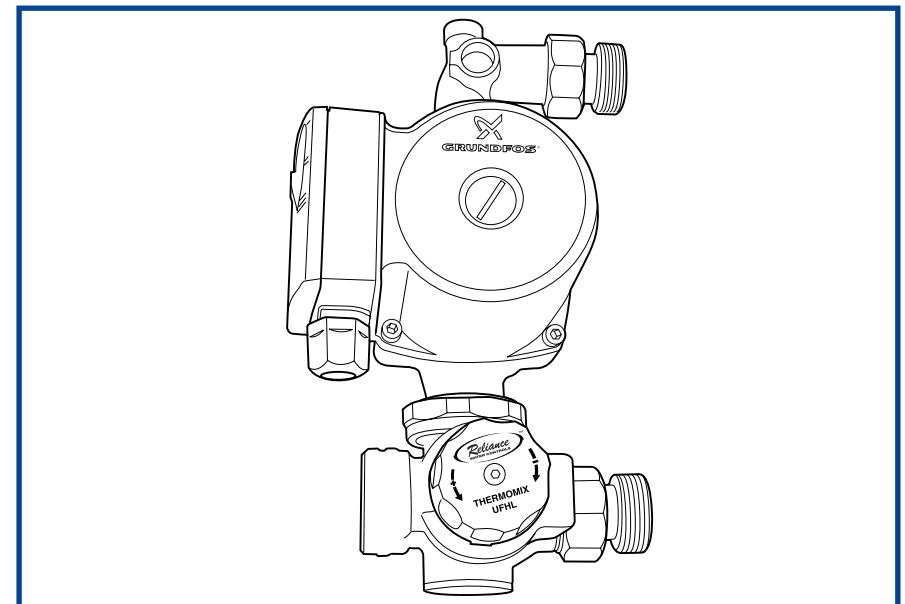
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UNDERFLOOR HEATING MANIFOLD CONTROL PACK

Installation Guide



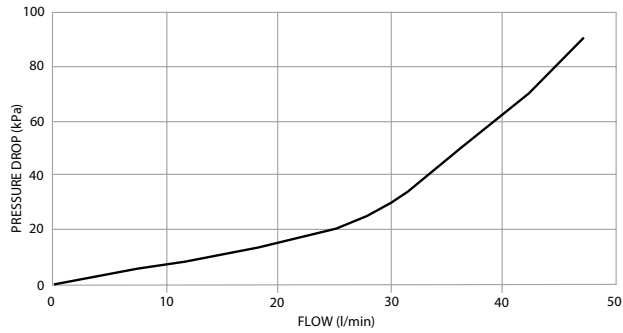
The Manifold Control Pack provides temperature controlled mixed water to an underfloor heating system with a heat output up to 14kW.

TECHNICAL SPECIFICATIONS & DIMENSIONS

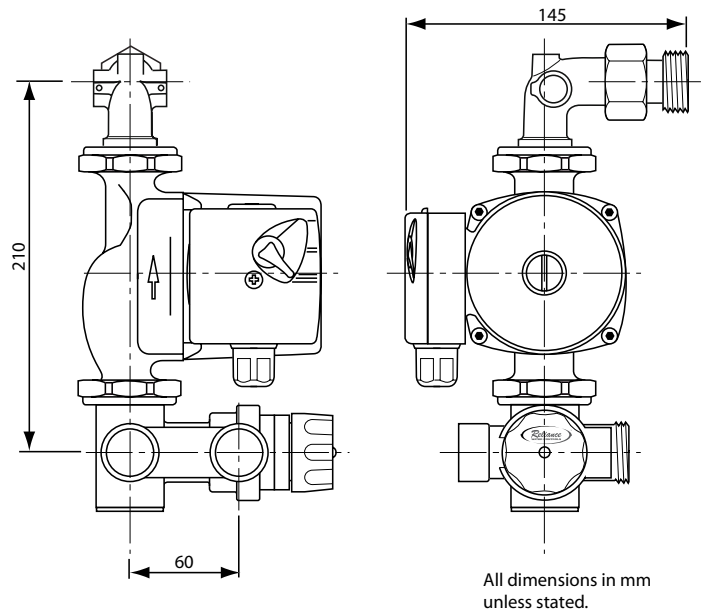
SPECIFICATIONS

Maximum static pressure: 16 bar
Maximum temperature: 110°C
Adjustable control range: 35°C to 65°C
Factory pre-set : 35°C (minimum)

PRESSURE DROP GRAPH



DIMENSIONS



NOTES

SECTION 3 - WIRING

3.1.

A fused spur should be provided adjacent to the manifold to provide power to the pump and two port zone valve if fitted.

3.2

To comply with IEE regulations, the pump on the Manifold Control Pack **must** be provided with an earth. All wiring should be undertaken by a qualified installer and **must** conform to IEE regulations.

SECTION 4 - SETTINGS

4.1.

The mixing valve supplied as part of the Manifold Control Pack has a temperature setting range as detailed below.

Min
40°C
45°C
50°C
55°C
60°C
Max

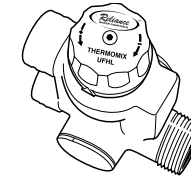
The temperature control is factory set in the adjustable position and at the minimum temperature (35°C)

PACK CONTENTS

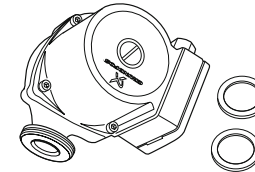
PLEASE CHECK CONTENTS OF PACK BEFORE BEGINNING INSTALLATION.

Description, Part Number and Quantity

ThermoMix UFH Valve
HEAT 970 200 x 1



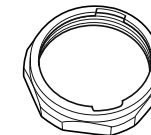
Grundfos 15/60 pump including
rubber washers
PUMP 950 004 x 1



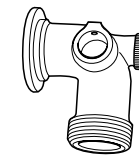
1" washers
ZWAS219042 x 4



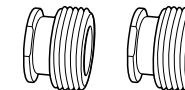
Pump nut
ZNUT250003 x 1



Connection elbow
ZELB970200 x 1



1"MBSP x flat faced adaptors
ZCON970200 x 2



Slip nut
ZNUT970200 x 2



Installation Instruction booklet
ZINS970200 x 1



SECTION 1 - INTRODUCTION

Designed to work with manifolds of all types on 210mm centres. The Manifold Control Pack is a bolt on unit providing a quick and simple system to install.

SECTION 2 - INSTALLATION

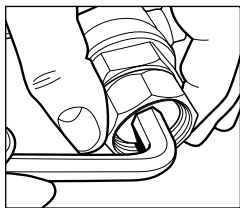
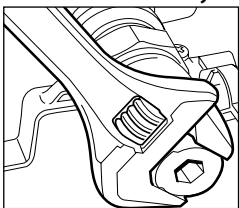
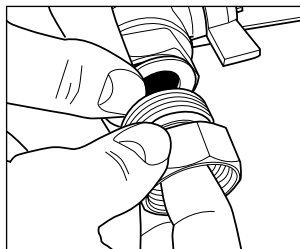
Before beginning the installation firmly fix the distribution manifolds to the wall leaving enough room beside the manifold to fit the control pack. (see dimensions)

2.1.

Before beginning the installation of the Manifold Control Pack, identify all of the components in the pack.

2.2

Assemble the 1" MBSP x flat faced adapters (ZCON 970 200) to both the flow and return manifold ball valves taking care to insert the 1" fibre washer (ZWAS 219 042) beforehand. Tighten the adapters into the ball valves by removing the slip nut (ZNUT 970 200) and using the flats on the adapter itself to tighten into the ball valve and then re-fit the slip nut, alternatively the adaptor can be fitted using a 16mm allen key.



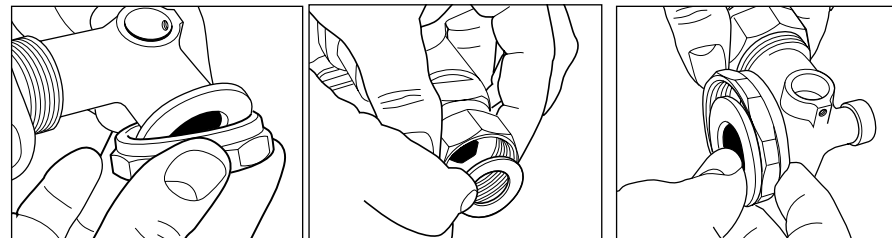
2.3

Connect the Thermomix UFH control valve (HEAT 970 200) to the return manifold by means of the 1" MBSP connection onto the flat faced union connection (ZCON 970 200) previously installed, remembering to fit the 1" fibre washer (ZWAS 219 042) beforehand.



2.4

Slip the 1 1/2" pump nut over the flange on the flow connection elbow and then connect the elbow to the flow manifold by means of the 1" MBSP connection onto the flat faced union connection (ZCON 970 200) previously installed, remembering to fit the 1" fibre washer (ZWAS 219 042) beforehand.



2.5

Slide the pump (PUMP 950 003) into position between the 2 flat faced connections ensuring that the direction of flow is correct and that the 2 rubber washers are in position. Tighten the pump union connections

