9. Guarantee & Registration

9.1 Guarantee

All products are manufactured to the highest standards and 5-year guarantee covers any defect in manufacture.

Any part found to be defective during the above guarantee period will be replaced without charge providing that the product has been installed in accordance with our instructions, used as intended and maintained/serviced as recommended.
In the unlikely event that any problems are encountered with this product's performance on installation, you must obtain guidance/authorisation from our Customer Service Department before any remedial action is taken and be able to supply proof and date of purchase.

The guarantee excludes damage caused by accident, misuse or neglect and does not cover the following:

- Those components subject to wear and tear such as 'O' rings and washers etc,
- Damage caused by faulty installation,
- Damage caused by any waterborne debris,
- Damage caused by improper cleaning products,
- Damage caused by the use of non-original parts,
- The product being used for a purpose other than intended.

In the interests of continuous product development we reserve the right to alter the specification as necessary.

212415
Waterfall Thermostatic Surface Mounted Bar Shower Valve with Built-in Diverter

Fitting Instructions & Contents List

Before starting any installation project please consider:

Prior to drilling into walls, check there are no hidden electrical wires, cables or water supply pipes with the aid of an electronic detector. If you use power tools do not forget:

- Wear eye protection
- Unplug equipment after use

Please keep these instructions for future reference and the request of replacement parts

Contents

1. Introduction

Your dual control shower fitting is a thermostatic mixer incorporating a wax capsule thermostat to ensure constant showering temperatures. This valve has been designed to comply with BS EN 1111:1999 and BS EN 1287:1999, manufactured to the highest quality standards. These instructions are for your guidance to a safe and successful installation and should be left with the user.

2. Specification

Inlet Connections: G ½" with 130mm to 170mm centres.

Water Pressures: Min. 0.*5* bar (5 metres from the base of the cold water tank (CWT) to handset) Max. 10 bar

Maximum Outlet Temp: Factory set to 38°C to the temperature stop (can be re-set to suit site conditions).

Hot and Cold Supply Temperature

Minimum recommended Hot: 60°C

Maximum Hot Supply: 80°C

Maxium Cold Supply: 25°C

Note: The inlet hot water temperature must be at least 10°C above the required blend temperature.

Notes

Please use this space to add any notes which you or your installer may have regarding the plumbing system/installtion of this product:

8. Cleaning and Maintenance

8.1 Cleaning

Your fitting has a high quality finish and should be treated with care to preserve the visible surfaces. All surface finishes will wear if not cleaned correctly, the only safe way to clean your mixer is to wipe with a soft damp cloth. Stains can be removed using washing up liquid. All bath cleaning powders and liquids will damage the surface of your fitting, even the non-scratch cleaners.

8.2 Regular maintenance

We advise that the valve is regularly serviced, particularly in hard water areas. It is also important to clean the handset regularly in hard water areas to maintain an even spray/flow of water. Both the shower rose and hand shower have rub clean nozzles for easy cleaning. Simply rub nozzles regularly to keep clean and free of limescale build up.

NOTE: ISOLATE THE WATER SUPPLY TO THE SHOWER VALVE

8.3 Cartridge Removal

8.3.1 Remove the temperature control handle, by removing the head cap and unscrew the head screw.

8.3.2 Unscrew the cartridge retaining screw on the underside of the body and pull out the cartridge from the mixer body.

8.4 Cartridge Maintenance

8.4.1 Place the cartridge in a bowl and carefully add some hot water (just off the boil) and vinegar to de-scale the cartridge. Leave until the water has cooled.

8.4.2 Then remove the cartridge and rinse with clean water.

8.5 Refitting the cartridge

8.5.1 Grease the seals with a suitable silicon grease and carefully refit the cartridge into the body.

8.5.2 Reset the maximum temperature and refit temperature handle.

3. Pack Contents Check List

Surface Mounted, Rigid Riser and Diverter

1x Valve
1x Rigid riser kit and Diverter
1x Fixing Kit
1x Hose
1x Handset

4. Installation

4.1 Pre-Installation (See Fig.1a & 1b)

4.1.1 Identify all components and check for completeness, particularly before commencing installation.

4.1.2 This mixer should be installed in compliance with Water Regulations. For further details contact your Local Water Authority.

4.1.3 This mixing valve is suitable for use with the following systems:

- Gravity Fed Hot & Cold (Nominally Equal Pressure)
- Gravity Fed Hot & Mains Cold (Differential Pressure, 5:1 max ratio)
- Unvented Systems
- Gas combination Boiler
- Pumped System

Please Note: On gravity systems the minimum distance from the underside of the cold water storage tank to the showerhead must be at least 5 metres.

4.1.4 Before fitting the wall fixings, water should be flushed through the system to remove all debris from the pipe work.

4.2 Installation (See Fig.1a &1b)

Before starting any installation project please consider:

Prior to drilling into walls, check there are no hidden electrical wires, cables or water supply pipes with the aid of an electronic detector. If you use power tools do not forget:

4.2.1 Identify all components and check for completeness, particularly before commencing installation.

NOTE: - The fixing centres are a NOMINAL DISTANCE of 150mm in the back of the mixer valve, but are variable (between 130mm - 170mm) with cranked 3/4" to ½" connectors supplied.

4.2.2 Determine the correct orientation and position for the shower valve (8), ensuring there is sufficient room for the complete rigid riser. Screw the Connectors (11) into the wall connections, (½"BSP female), not supplied.

IMPORTANT: - Water supplies to the mixer mist be with the Hot on the left and Cold on the right when viewed from the front.

4.2.3 Screw the shrouds (10) onto the connectors (11).

4.2.4 Place the sealing washers (9) into the connecting hex-nut and tighten the nuts onto the inlet connections (11).

4.3 Rigid Riser Installation (See Fig.2)

4.3.1 Slide the riser bracket (3) onto the rigid riser (4), ensuring that the grub screw located at the back of the rigid riser, is at the bottom; and the grub screw located at the side of the rigid riser, is at the top.

4.3.2 Insert the angled riser (1) onto the rigid riser (4) and tighten grub screw to secure into position.

4.3.3 Lift riser bracket (3) between the join of the rigid, and angled risers and tighten the two grub screws inside the riser bracket (3).

4.3.4 Assemble the rigid riser (4) to the bar shower (8). Tighten the lower grub screw to secure into place and mark the position of the riser bracket (3) on the wall surface.

4.3.5 Remove the complete riser kit from the bar shower valve (8).

4.3.6 Offer up the wall bracket (16) to the position marked on the wall surface, and mark the position for the wall plug (17) and wall bracket screw (15).

5. Operation

5.1 On/Off - Flow control

There are two control handles on the shower. The left hand control is the on/off and flow control and integral diverter. Turn one way for overhead shower and the other way for the hand shower. The temperature control handle (right) is turned anti-clockwise for hot and clockwise for cold. The maximum temperature is factory set to 38°C at the first stop position.

5.2 Temperature Control

If a temperature above factory set temperature is required, simply depress the button on the temperature handle when it reaches the stop and continue anti-clockwise until the desired temperature is found.

Do not attempt to force the handles past their stops as this may result in damage.

6. General Fault Diagnosis

If your valve fails to function correctly, the following should be checked:

6.1 Check that the hot and cold connections are the correct way around. Hot on the left, cold on the right when viewed from the front.

6.2 Ensure that the hot water temperature is adequate, the recommended minimum temperature is 60°C

If your shower will not turn off:

6.3 Check the ceramic disc valve is free of debris.

6.4 Check that the filters are not blocked.

7 Component Parts (See Fig.1a, Fig.1b & Fig.2)

1. **Angled Riser**
2. **Shower Rose**
3. **Riser Bracket**
4. **Straight Riser**
5. **Handset Holder**
6. **Handset**
7. **Shower Hose**
8. **Mixer Body**
9. **Filter Washer**
10. **Shrouds**
11. **Cranked Connectors**
12. **Grub Screw**
13. **Grub Screw**
14. **Fixing Screws**
15. **Wall Bracket Screw**
16. **Wall Bracket**
17. **Wall Plug**

4.3 Rigid Riser Installation Cont. (See Fig.2)

4.3.7 Drill a suitable hole for the wall plug (17) and wall bracket screw (15)

4.3.8 Fit wall plug (17) and secure the wall bracket (16) to the wall using the wall bracket screw (15).

4.3.9 Fit complete riser kit back on to the bar shower valve and tighten grub screw at the bottom of the rigid riser (4).

4.3.10 Offer the riser bracket (3) on to the wall bracket (16). Using a spirit level, ensure the riser kit is straight.

NOTE: <u>The riser bracket (3) allows adjustment up to a maximum of 30mm, to suit uneven surfaces</u>

4.3.11 Attach the hose (7) to the bottom outlet of the bar shower using the hose washer. Attach the other end of the hose (cone end) to the handset (6) using the second washer.

4.3.12 Attach the shower rose (2) to the angled riser (1) with the sealing washer in place.

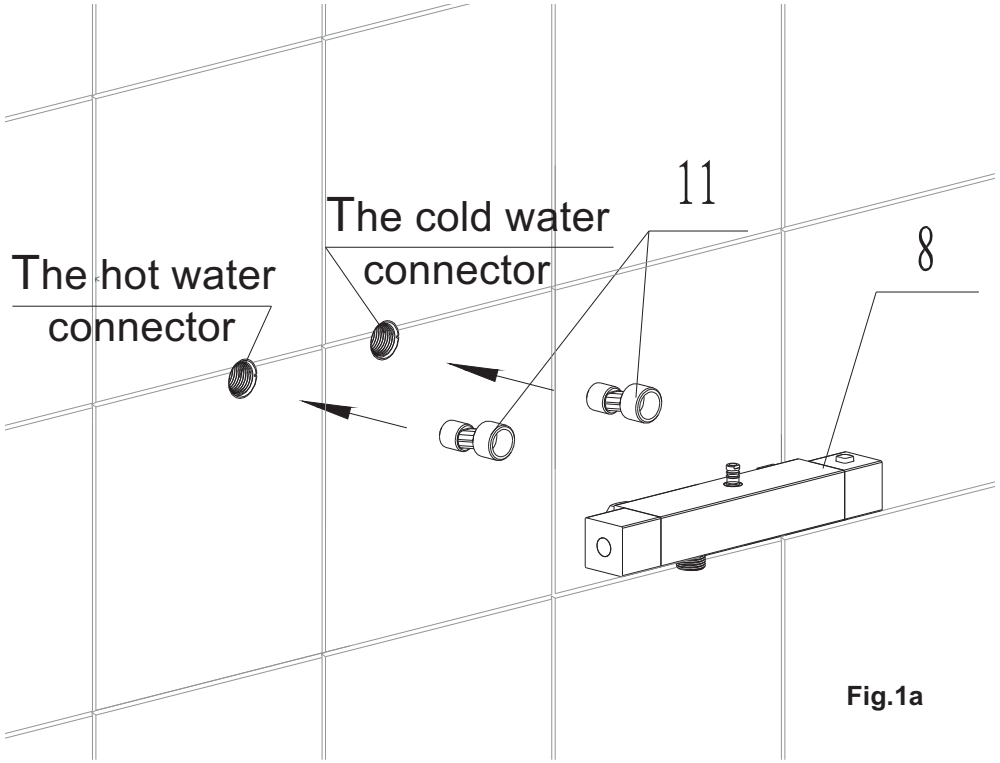

Fig.1a

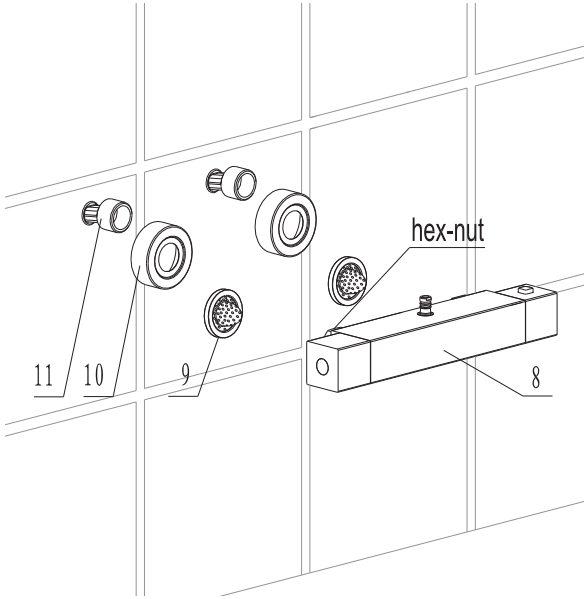

Fig.1b

Component Diagram

Fig. 2