

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.

PRODUCT CODE: QD SHXDIVFF C

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BRISTAN

Quadrato Thermostatic Surface Mounted Bar Shower Valve with Rigid Riser & Integral Diverter and Fast Fit Connections

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

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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: 15mm compression with 150mm between centres.

Water Pressures: Min. 0.5 bar (5 metres from the base of the cold water tank (CWT) to handset) Max. 5 bar

Maximum recommended imbalance between hot and cold supply should not exceed a ratio of 5:1.

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

Maximum Cold Supply: 25°C

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

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3. Pack Contents Check List

1x Valve
1x Rigid Riser Kit including rose
1x Fixing Kit
1x Hose
1x Handset

4. Installation

4.1 Pre-Installation

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 & minimum 0.5 bar)
- 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



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 Fast Fit Fixing Kit (See Fig.1)

4.2.1.1 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

4.2.1.2 Inlet pipes need to terminate with at **least 30mm of 15mm diameter pipe (not supplied) protruding through the finished wall surface.**

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

4.2.1.3 Place the wall plate (2) over the pipe and mark the hole centres, drill two holes to suit the wall plugs (1) (if required), and insert the wall plugs into the freshly drilled holes in the wall.

4.2.1.4 Place the wall plate (2) onto the wall and tighten up the screws until secure. Place the olive (3) onto the protruding 15mm pipe. The pipe needs to protrude past the olive by 5mm maximum.

4.2.1.5 Screw the fixing bridge (4) onto the wall plate (2) using 22mm a/f spanner, holding the wall plate (2) with the flats provided with a 47mm spanner - DO NOT tighten the fixing bridge (4) against the fixings (1).

4.2.1.6 Screw shroud (5) onto fixing bridge (4).

4.2.1.7 The shower valve can now be fitted to the fast fit fixings using washers supplied.

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

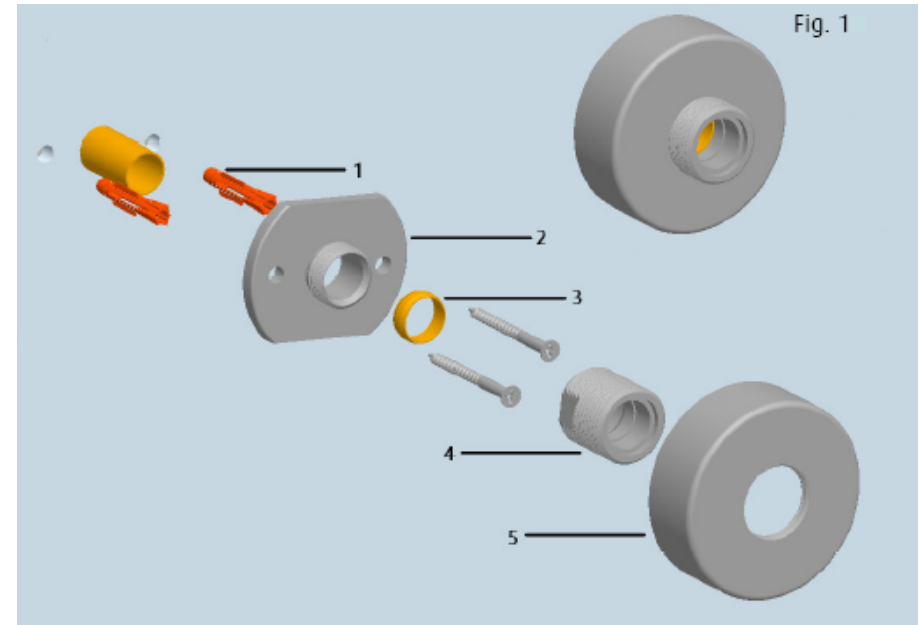
8.5.1 Grease the seals with a suitable silicon grease and carefully refit the cartridge into the body.

8.5.2 Reset the maximum temperature and refit temperature handle.

7.Component Parts (See Fig.2)

1. Top Bracket Assembly
2. Arm
3. Shower Rose
4. Handset
5. Slider
6. Shower Pole/Riser Rail
7. Hose
8. Back Nut Retainer Assembly
9. Seal Kit Assembly
10. Flow Handle Assembly
11. Cartridge Retaining Nut
12. Valve
13. Hose Outlet
14. Thermostatic Valve
15. Cartridge Retaining Nut
16. Temperature Handle Assembly

Installation Diagrams



4.3 Rigid Riser Installation (Ref:Fig.2)

- 4.3.1 Assemble the rigid riser to the bar shower using the grub screw provided.
- 4.3.2 Use the bracket and support as a template to mark the required position allowing adequate movement of the handset holder. Remove rigid riser and drill wall to suit wall plug provided (if required).
- 4.3.3 Screw wall bracket to the wall using the screw and wall plug supplied. Slide handset holder on to the rigid riser and re-assemble to the bar shower using the grub screw. Lock the rigid riser to the wall bracket using the grub screw.
- 4.3.4 Attach the hose to the bottom outlet of the bar shower using the hose washer. Attach the other end of the hose (cone end) to the handset using the second washer.
- 4.3.5 Attach the shower rose to the riser with the sealing washer in place.

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.

