

Quadrant Dual Control Thermostatic Recessed Shower Valve Only

Fitting Instructions & Contents List



Before starting any installation project, consider "Safety" first. Look for the "safety note" sign and read the safety advice.

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 Request of Replacement Parts.

Contents

Section	Description	Page No:
1.	Introduction	2
2.	Specification	2
3.	Pack contents checklist	2
4.	Installation	3
5.	Operation	5
6.	Setting	6
7.	General fault diagnosis	6
8.	Cleaning & Maintenance	7
9.	Guarantee & Registration	8
10.	Notes	9

1. Introduction

Your Bristan 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 1287:1999 & BS EN1111:1999. 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.

All products manufactured and supplied by Bristan are safe provided they are installed, used correctly and receive regular maintenance in accordance with these instructions.

2. Specification

Water Pressures: Min. 0.2 bar, Max. 8 bar

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

Maximum Outlet Temp: Factory Set to 42°C to the temperature stop (can be re-set to suit site conditions).

Hot & Cold Supply Temperature

Maximum Cold supply: 25°C

Minimum recommended hot supply: 60°C

Maximum Hot Supply: 80°C

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

3. Pack Contents Check List

- 1 x Shower Valve
- 2 x Screws
- 2 x Wall Plugs
- 3 x 15mm Olives and Compression Nuts
- 1 x Concealing Plate
- 2 x Filter Washers
- 1 x Wall Outlet

4. Installation

4.1 Pre-Installation (See Fig.1)

4.1.1 Identify all components and check for completeness, particularly before arranging fitting.

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 (Equal Pressure)

Gravity Fed Hot & Mains Cold (Differential Pressure 5:1 Max.)

Un-vented Systems

Thermal Store 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 1 metre.



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

4.2 Installation

It is recommended that when installing the valve in a recessed situation, full access is provided for servicing purposes. The plate can be used as a template by drawing a round the plate and measuring in by 15mm to give sufficient clearance.

4.2.1 Secure the shower valve (1) into the wall cavity with the screws (18) provided.

4.2.2 Engage the 15mm supply pipes (not supplied) into the inlet connections (26) and tighten the nuts (28) ensuring that the olives (27) are in place.

4.2.3 Slide the concealing plate (29) onto the shower valve.

4.2.4 Fit the handles (8 & 15) to the mixer valve, note the handle (8) will require its pin to line up with the temperature stop (5), see the Setting section 6 on page 6 on how to calibrate the shower valve. Tighten the grub screw (9) and cap the lower temperature handle with the cap (10), for the flow handle (top handle) fit the screw (16) and cap with the cap (17).

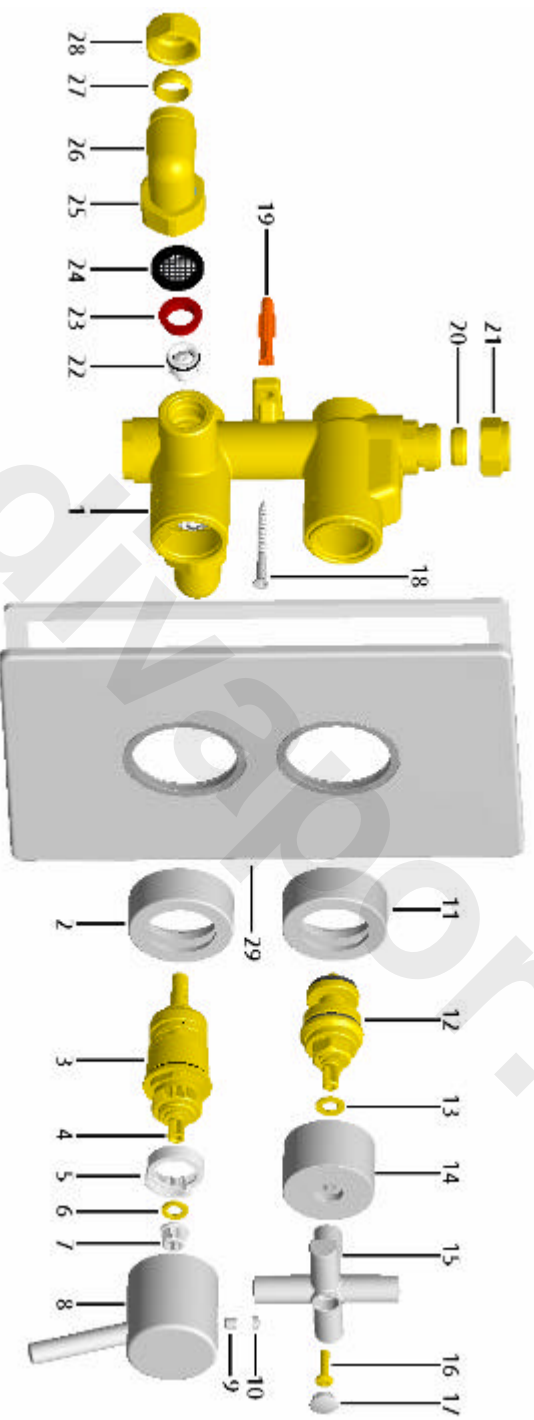


Fig. 1

4.4 Installation (Wall Outlet) (See Fig.2)

4.4.1 The simplest method is to connect to the shower a wall-plate elbow (not supplied) which can be secured within the wall, then simply screw in the brass nipple (33) with a suitable thread sealant leaving between 5 to 15mm of thread protruding from the finished wall. Once the wall has been finished the wall outlet (36) can then be fitted to the brass nipple (33) (with a suitable thread sealant) with the rubber gasket (35) fitted behind (Part 32 not required).

4.4.2 The other method is only suitable if you have got access to the fitting once the wall has been finished. Fit the washer (34) to the inlet of the wall outlet (36) then screw the brass nipple (33) to the wall outlet (36). Fit the rubber gasket (35) to the back of the wall outlet and place the assembled wall outlet through a hole (25mm - 30mm) in the wall and secure with the backnut (32). Then connect the wall outlet assembly to the shower valve.

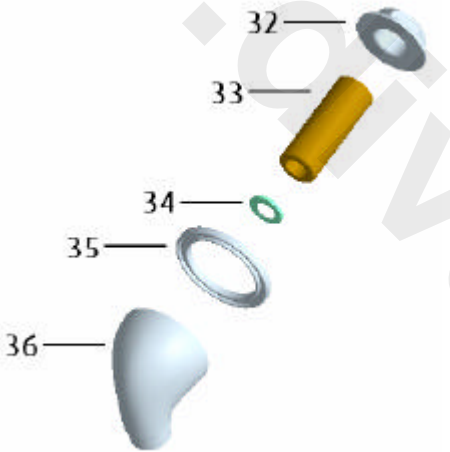


Fig. 2

5. Operation

5.1 On / Off - Flow Control

There are two control handles on the shower. Turn the top flow control handle anti-clockwise to turn on and increase the flow, and clockwise to decrease and turn off. The bottom temperature control handle is turned anti-clockwise for hot, clockwise for cold. The maximum temperature is factory set to 42°C at the stop position.

6. Setting

- 6.1** The maximum temperature can be adjusted to suit site conditions or user preference. To adjust this, follow this procedure:
- 6.2** Position the temperature control handle (8) to the maximum temperature point and turn on the flow control handle (15) letting the water run long enough to ensure that the hot water supply is at its maximum temperature.
- 6.3** The shower has been factory set to 42°C at the stop position with balanced supply pressures of 0.5 Bar.
- 6.4 Whilst the water is flowing** remove the temperature control handle (8), by removing the cap (10) and loosening the grub screw (9).
- 6.5** Turn the cartridge spindle (4) until the required maximum temperature is achieved (the spindle may need to be repositioned to allow the head to line up with the stop ring (5) on the shower), anti-clockwise to increase the temperature and clockwise to reduce it.
- 6.6 Important:** Refit the handle (8) so that the stop pin in the handle fits next to the rim of the nylon stop ring (5).
- 6.7** Secure the handle to the spine adaptor (7) with the grub screw (9) and recap the handle with the cap (10).
- 6.8** Turn off the flow at the flow control handle (15).

7. General Fault Diagnosis

- 7.1** If your valve fails to function correctly, the following should be checked:
- 7.1.1** 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.
- 7.1.2** Ensure that the hot water temperature is adequate. The recommended minimum temperature is 60°C.
- 7.2** If your shower will not turn off:
- 7.2.1** Check valve washer (12) is free of debris.
- 7.3** If your shower has a low flow rate.
- 7.3.1** Check that the filters (24) are not blocked.

8. Cleaning & 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.

NOTE: ISOLATE THE WATER SUPPLY TO THE SHOWER VALVE.

8.3 Cartridge Removal

8.3.1 Remove the temperature control handle (8), by removing the cap (10) and loosening the grub screw (9).

8.3.2 Unscrew the cartridge (3) anticlockwise out of the 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 suitable silicon grease and carefully refit the cartridge into the body.

8.5.2 Reset the maximum temperature and refit temperature handle.

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-Bristan parts,
- The product being used for a purpose other than intended.

The company reserves the right, in the event of a claim not covered by the guarantee, to charge the claimant for parts and labour at current rates. This guarantee is given in addition to and does not affect your statutory rights.

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

9.2 Registration

To register your product with us please complete and return the enclosed registration card.

10. Notes:-

www.divapor.com

Notes:-

www.divapor.com

PRODUCT CODE: QT SHCVO C

TELEPHONE HELP LINE! 0844 701 6273

Bristan Group Ltd.
Birch Coppice Business Park
Dordon
Tamworth
Staffordshire
B78 1SG
UK

A Masco Company

Web Site: www.bristan.com
Telephone: 0844 701 6274
Facsimile: 0844 701 6275
Email: enquire@bristan.com
(FI QT SHCVO) (REV.D5)

(MZ)