

## **AFTERCARE INSTRUCTIONS**

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. **NOTE: Never use abrasive detergents or disinfectants or those containing alcohol, hydrochloric acid or phosphoric acid.**

Bristan recommend E-Cloth for cleaning all of our bathroom & kitchen products. Using just water, E-cloth gives a smear free, deep clean by breaking up and holding dirt, which normal cloths leave behind. Order through your Bristan stockist. (ORDER CODE: ECLOTH)



### **PRODUCT IDENTIFICATION CODE LASER ETCHED ON PRODUCT**

Installer please fill in code here \_\_\_\_\_.

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# BRISTAN

## **Qube Dual Control Shower Valve With Integral 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 request of replacement part**

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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

Water Pressures: Min. 0.5 bar Max. 5.0 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 & Cold Supply Temperature

Maximum Cold Supply: 25°C

Recommended hot supply: 60°C to 65°C

**(NOTE! - The mixing valve can operate at temperatures up to 80°C, however for safety reasons, it is recommended that the maximum hot water temperature is limited to 60°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
- 4 x Screws
- 4 x Wall Plugs
- 4 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 5 metres.**

### 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 round the plate and measuring in by 15mm to give sufficient clearance.**

**Note:** Please consider the following when connecting the outlets. The outlet marked 'V' has the higher flow rate than the outlet marked 'D'.

4.2.1 Secure the shower valve (1) into the wall cavity with the screws (22) provided.

4.2.2 Engage the 15mm supply pipes (not supplied) into the inlet connections (28) and tighten the nuts (30) ensuring the olives (29) are in place.

4.2.3 Slide the concealing plate (9) and seal (8) onto the shower valve and screw on the shrouds (4 & 17).

4.2.4 Fit the handles (7 & 12) to the mixer valve, note the handle (7) will need its pin to line up with the temperature stop (3), See the Setting section 6 on how to calibrate the shower valve. Tighten the grub screws (10 & 13) and cap the heads with the caps (11 & 14).

## 9. Bristan Guarantee

**2 year - Pumps, Power showers**  
2 year parts. 1 year labour (subject to registration).

**Electric Showers/Instantaneous Water Heaters**  
2 year parts. 1 year labour (subject to registration).

**5 year - Taps and Mixers**  
5 year parts. 5 year labour (subject to proof of purchase).

#### **Shower Valves**

5 year parts. 5 year labour (subject to proof of purchase), else 1 year proof of purchase.

#### **Accessories**

5 year parts only. Includes bathroom accessories, shower accessories (e.g hoses, handsets and poles), wastes, WC levers and light pulls.

This guarantee applies to products purchased within the United Kingdom or Republic of Ireland, but does not apply to products used commercially.

The guarantee is only available to original purchasers who have proof of purchase. The installation must allow ready access to all products for the purpose of inspection, maintenance or replacement.

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 the instructions, used as intended, and regularly serviced.

Servicing should be carried out at regular intervals of no more than 12 months and more frequently in hard water areas (heavy lime scale) areas.

In the unlikely event that any problem are encountered with the product's performance on installation, you must obtain guidance/authorisation from our Customer Service Department, and able to supply proof and date of purchase, before any remedial action is taken.

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

- Components that are subject to general wear and tear such as filters, seals, 'O' rings and washers etc.
- Damage caused by faulty installation.
- Damage caused by lime scale or any waterborne debris.
- Damage caused by inappropriate cleaning products (see user instructions).
- Damage caused by the use of non-Bristan parts.
- The product being used for a purpose other than intended by the manufacturer.

In the interest of continuous product improvement Bristan reserves the right to alter specification as necessary.

## 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 handle (7), the cap (11) and loosening the grub screw (10).

8.3.2 Unscrew the cartridge (2) 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.

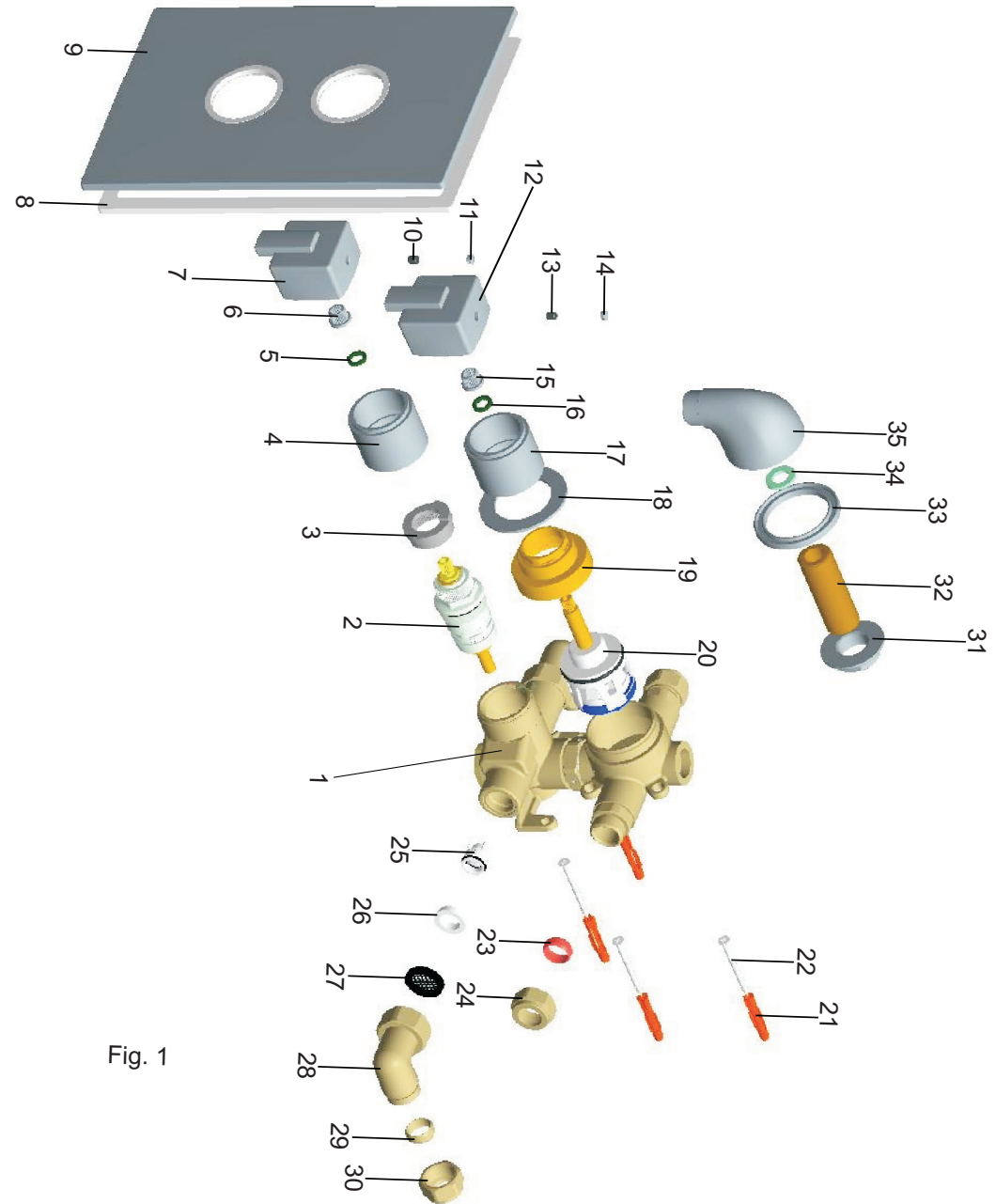


Fig. 1

#### 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 (32) 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 (35) can then be fitted to the brass nipple (32) (with a suitable thread sealant) with the rubber gasket (34) fitted behind (Part 31 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 (33) to the inlet of the wall outlet (35) then screw the brass nipple (32) to the wall outlet (35). Fit the rubber gasket (34) 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 (31). Then connect the wall outlet assembly to the shower valve.

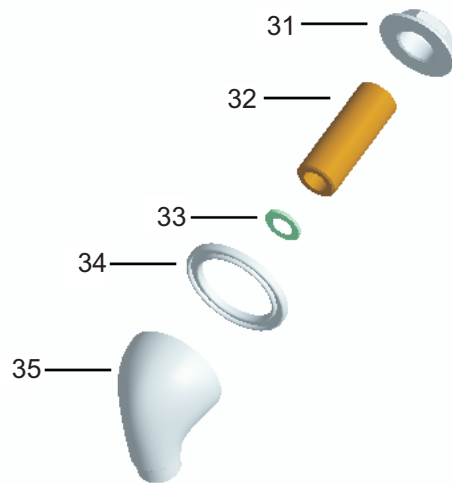


Fig. 2

#### 5. Operation

##### 5.1 On / Off - Flow Control

There are two control handles on the shower. Turn the diverter flow control handle (left or right) to turn on and increase the flow to one of the outlets (only one outlet can be on at any one time), the 'V' outlet has an Eco click function. The temperature control handle is turned anti-clockwise for hot, clockwise for cold. The maximum temperature is factory set to 42°C at the safety 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 (7) to the maximum temperature point, turn on the flow handle control handle (12) 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 first stop position with balanced supply pressures of 0.5 Bar.

**6.4** **Whilst the water is flowing** remove the temperature control handle (7), by removing the cap (11) and loosening the grub screw (10).

**6.5** Turn the cartridge spindle (2) until the required maximum temperature is achieved (the spindle may need to be repositioned to allow the head to line backup with the stop ring (3) on the shower), anti-clockwise to increase the temperature and clockwise to reduce it.

**6.6** **Important:** Refit the handle so that the stop pin in the handle (7) fits inside the rim of the nylon stop ring (3).

**6.7** Push the handle back on and replace the grub screw (10) and cap (11).

**6.8** Turn off the flow at the flow control handle.

#### 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 cartridge (2) is free of debris.

**7.3** If your shower has a low flow rate.

**7.3.1** Check that the filters (27) are not blocked.