

## 8. Guarantee & Registration

### 8.1 Guarantee

All products are manufactured to the highest standards and 5-year guarantee covers any defect in manufacture. As gold and special effect finishes are softer than chromium plate, special care must be taken when cleaning, a 3-year guarantee covers these finishes.

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 we reserve the right to alter the specification as necessary.*

### 8.2 Registration

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

**PRODUCT CODE: QT SHXVO C**

**TELEPHONE HELP LINE! +44 (0)870 442 5553**

Bristan Limited  
Lagrange  
Lichfield Road Industrial Estate  
Tamworth  
Staffordshire  
B79 7XD  
UK

**www.bristan.com**

Telephone: +44 (0)870 442 5556

Facsimile: +44 (0)870 442 5554

Email: [enquire@bristan.com](mailto:enquire@bristan.com)

(FI QT SHXVO)

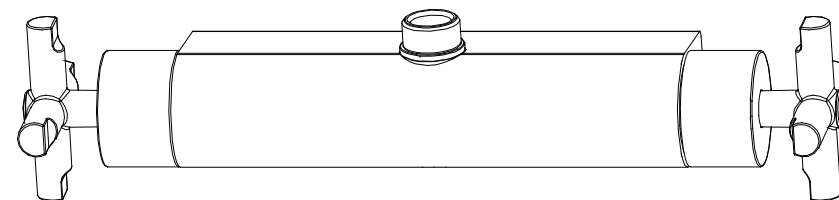
(Rev. D2)

(MZ)

## Quadrant Thermostatic Bar Shower

### Surface Mounted Valve Only

(QT SHXVO C)



## Fitting Instructions & Contents List

**Please leave these instructions with the user**

## Contents

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### 1. Introduction

Your Bristan bar shower fitting is a thermostatic mixer incorporating a wax capsule thermostat to ensure constant showering temperatures.

This valve has been designed & tested to comply with BS EN 1287:1999 & BS EN 1111:1999, manufactured to the highest quality standards and is a 'Water Regulations Advisory Scheme' approved product.

These instructions are for your guidance to a safe and successful installation and should be left with the user.

### 2. Specification

*Inlet Connections:* 1/2" BSP to 3/4" BSP, adjustable 125mm – 175mm centres.

*Water Pressures:* Min. 0.2 bar - Max. 5 bar Maximum recommended imbalance between Hot & Cold pressures should not exceed 5:1

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

## 7. Cleaning & Maintenance

### 7.1. 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 it 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 non-scratch cleaners.

### 7.2. Maintenance (See Fig. 3)

**7.2.1.** We advise that the valves, check valves and filters be regularly serviced, particularly in hard water areas. ***The water supplies must be isolated remote from the valve before removal.*** Remove the valve body by unscrewing the connecting nuts and detach from the cranked connectors. To access the check valves remove the circlips from the retaining nuts and prise out the check valve. Check their conditions then reassemble and turn on the water supply.

**Should either valve need to be dismantled for maintenance then the procedure is:**

#### **Temperature Control Valve (See Fig.2):**

**7.2.2.** Turn off water supply. Remove the temperature control handle (c), by removing the cap (a), loosening the screw (b) and pulling the handle off the spindle (g).

**7.2.3.** Remove the black nylon stop (e) and unscrew the valve from the mixer body. Check its condition i.e. valves and seals.

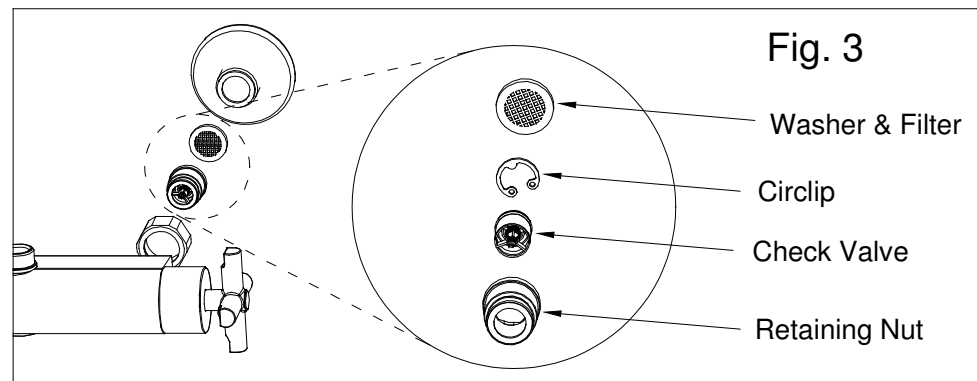
**7.2.4.** Reassemble the valve after having cleaned the inside of the mixer body. **(See section 5.2. for setting).**

#### **Flow Control Valve (See Fig. 3):**

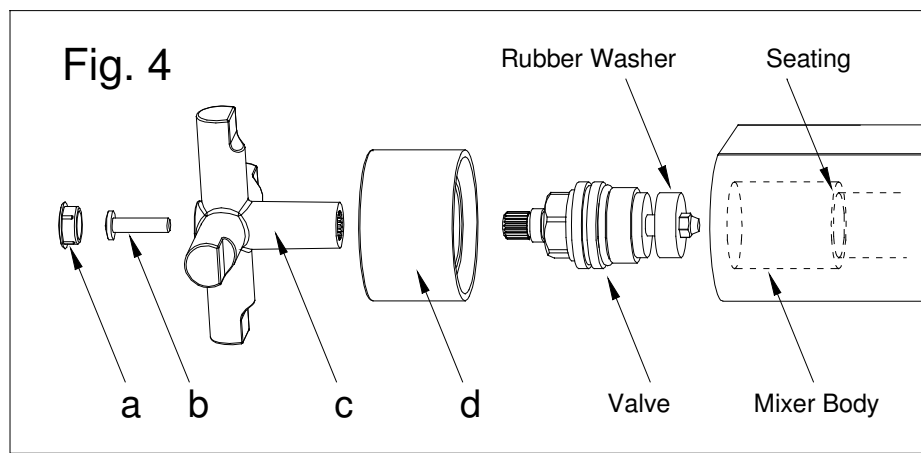
**7.2.5.** Turn off water supply. Remove the handle (c), by removing the indice (a), loosening the screw (b) and pulling the handle off the valve.

**7.2.6.** Remove shroud (d), unscrew valve from the mixer body and carefully clean seating and washer. Replace components and turn on the water supply. Contact our helpline if problem persists.

### Check Valve & Filter



### Flow Control Valve



### 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.
- 6.2. Ensure that the hot water temperature is adequate. The recommended minimum temperature is 60°C. The hot temperature should be at least 10°C higher than the blend temperature to ensure that the safety shut off will work.

### Hot & Cold Supply Temperature

- Maximum Cold Supply: 25°C
- Minimum recommended Hot Supply: 60°C
- Maximum Hot Supply: 80°C

**Please Note: The inlet hot water temperature must be at least 10°C Above the required blend temperature to ensure that safety shut off will work.**

### 3. Pack Contents Checklist

- Bar Shower Body (x1)
- Cranked Connectors (with shrouds) (x2)
- Sealing Washers (with filters) (x2)

### 4. Installation

- 4.1. Identify all components and check for completeness, particularly before arranging fitting.
- 4.2. This mixer should be installed in compliance with Water Regulations. For further details contact your Local Water Authority.
- 4.3. **This bar shower is suitable for use with the following systems:**
  - Gravity Fed Hot & Cold (Equal Pressure)
  - Gravity Fed Hot & Mains Cold (Differential Pressure - Max. Ratio 5:1)
  - 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 shower valve must be 2 metres.**

- 4.4. Before connecting the mixer, water should be flushed through the system to remove any debris.

#### 4.5. Bar Shower Body (See Fig. 1)

- 4.5.1. Determine correct position and orientation for the shower and screw the cranked connectors (1) into the appropriate water supplies finished with a ½” BSP female adaptor (not supplied). **Hot on the left, cold on the right with ‘Bristan’ etching on the top of the valve. The outlet and the blanking plug can be switched to allow either a bottom or top outlet.**
- 4.5.2. Screw the shrouds (2) onto the cranked connectors (1).
- 4.5.3. To fit mixer body (6) to the wall. Place the washers with filters (3) into the connecting nuts (5) and tighten to the cranked connectors (1). The connecting nuts are secured to the mixer body by the retaining nuts (4).

**Please note: - As there are no backnuts or fixing plates supplied, the shower valve needs to be connected/ supported with rigid pipework. (Wall mount fittings for exposed and concealed pipework are available, see page 103 of Bristan Product and Price Guide).**

### 5. Operation & Setting

#### 5.1. **Operation**

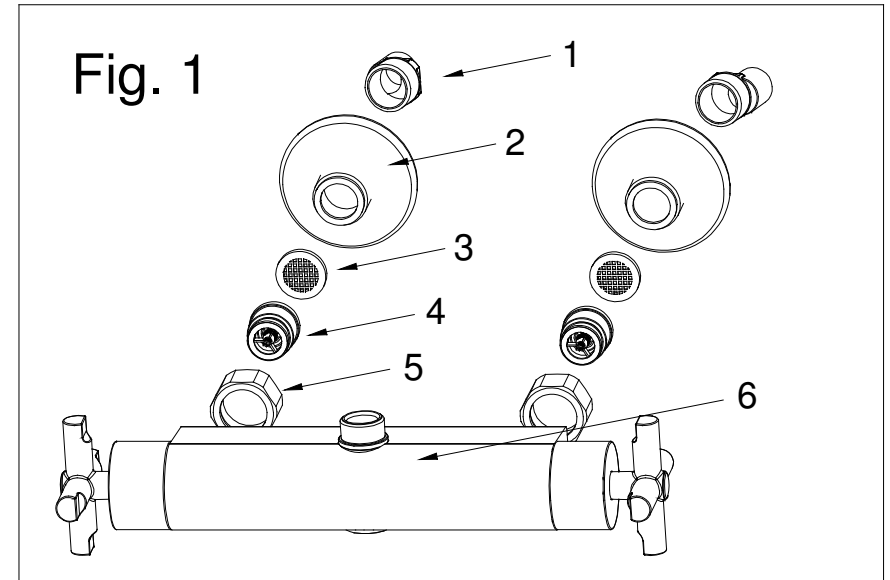
There are two control handles on the shower. Turn the flow control handle (left) anti-clockwise to turn on and increase the flow, and clockwise to decrease and turn off. On the temperature control handle (right) turn anti-clockwise for hot and clockwise for cold.

#### 5.2. **Setting (See Fig. 2)**

- 5.2.1. The maximum temperature can be adjusted to suit site conditions or user preference. To adjust this, follow this procedure.
- 5.2.2. Turn on the water supplies and fully open the flow control letting the water run long enough to ensure that the hot water supply is at its maximum temperature.
- 5.2.3. Turn the temperature control anti-clockwise to its maximum position and check the outlet temperature. It has been factory set at 42°C at balanced supply pressures. 0.5 Bar.
- 5.2.4. **Whilst the water is flowing** remove the temperature control handle (c), by removing the cap (a), loosening the screw (b) and pulling the handle off the spindle (g).

- 5.2.5. Turn the spindle (g) until the required maximum temperature is achieved, anti-clockwise to increase the temperature and clockwise to reduce it.
- 5.2.6. Refit the handle so that the stop pin in the shroud (d) is at the maximum position (f) in the nylon stop (e), refit the screw and cap.

#### Installation Diagram



**Temperature Control Valve**

