

## **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: AQS SHXDIV C**

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**BRISTAN**  
showers taps accessories

# **Aqueous Thermostatic Bar Shower with Built in Diverter to Rigid Riser and Handset**

## **Fitting Instructions & Contents List**



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 Bristan bar 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 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: 15mm Compression to 3/4" BSP, 150mm centres.

Water Pressures: Min. 1.0 bar - Max. 8 bar (Max. Pressure Ratio 5:1)

(Maximum differential between the hot and cold pressures should not exceed 5:1 ratio)

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

#### Hot Cold Supply Temperatures

*Minimum Recommended Hot:* 60°C

*Maximum Hot Supply:* 80°C

*Maximum Cold Supply:* 25°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.**

## 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.

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.

### 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. 5)**

**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 quick fix connections. To access the check valves remove the retaining nuts using 12mm allen key (not supplied). 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. 2,3 and 4):**

**7.2.2.** Turn off water supply. Remove the temperature control handle, by removing the indices and screw and pull the handle off the spindle.

**7.2.3.** Remove the cartridge from the mixer body using appropriate box spanner. 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).**

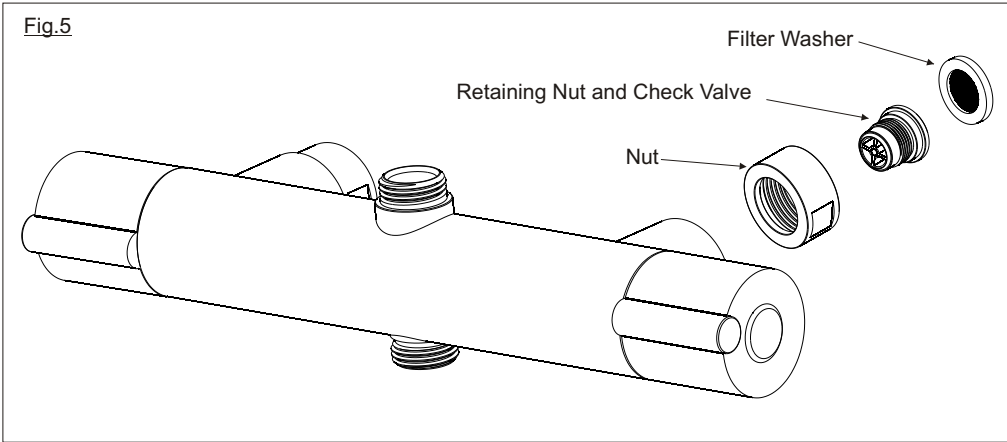
#### **Flow Control Cartridge (See Fig. 6,7 and 8):**

**7.2.5.** Turn off water supply. Remove the indices and screw to enable removal of the handle off the valve.

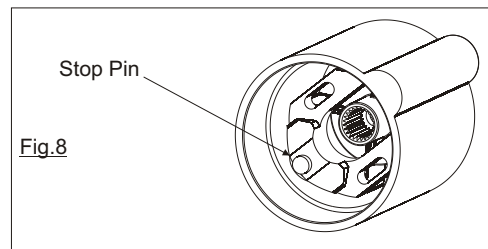
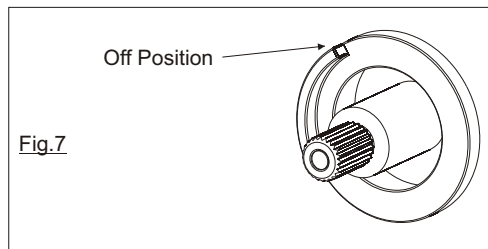
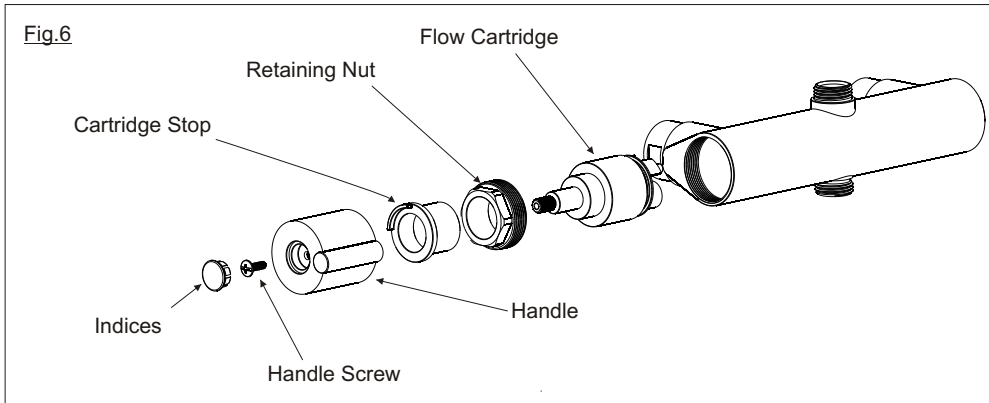
**7.2.6.** Prise off the cartridge stop and un-screw the retaining nut from the mixer body and pull out the ceramic disc cartridge, carefully clean seating, rubber seal and ceramic disc. Replace components and turn on the water supply. Contact our helpline if problem persists.

Note - The flow control cartridge needs to be in the off position when replacing and the stop pin in the handle has to line up with the off position on the cartridge stop.

## Check Valve and Filters



## Flow Control Valve




## 3. Pack Contents Checklist

Bar Shower Body	(x1)
Quick Fix Connectors (with shrouds and fixings)	(x2)
Sealing Washers (with filters)	(x2)
Rigid Riser, Rose, Hose and Handset (with washers)	(x1, each(3x washers))

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

## 4.5. Bar Shower Quick Fix Connections

- 4.5.1. Determine correct position and orientation for the shower and plumb the pipes with 150mm (Diagram 1 page. 5) between the pipes centres, before installation of the speed fix bar- shower kit. **Hot on the left, cold on the right.**
- 4.5.2. You need to ensure you have at least 30mm of copper pipe protruding from the tiled/finished surface. Ensure that the 150 ctrs is maintained after the wall has been finished.
- 4.5.3.  **(See safty note)** Place the wall plate (B) over the pipe and mark the holes locations, drill 2 holes for wall plugs.
- 4.5.4. Place onto the wall and tighten up the screws until secure. Slide the olive (D), onto the pipe, the copper pipe needs to protrude past the olive but should not exceed 5mm maximum.
- 4.5.5. Screw the fixing bridge onto the wall plate (A) using a 22mm a/f spanner. Flats have been produced on the wall plate to take a 47mm spanner **DO NOT** tighten up the fixing bridge against the fixing screws.

Note - Position and orientation of flow restrictor and retainer (Diagram 3).

- 4.5.6. Screw the wall covers (E) into place, (Diagram 4) the connection kit is now ready to have the bar-shower assembled to it. Use the filter washers (see fig.1) to seal between the bar shower and the connections.

#### 4.6 Rigid Riser Installation (See Fig. 1)

- 4.6.1. **(See safety note)** Assemble the rigid riser to the bar shower using washers and with the riser support and wall bracket in position. Use the bracket and support as a template to mark the required position allowing for adequate movement of the handset holder. Remove rigid riser and drill wall to suit wall plugs supplied.



- 4.6.2. Screw wall bracket to wall using screws and wall plugs supplied. Slide riser support and handset holder onto the rigid riser and re-assemble to the bar shower using washers. Lock rigid riser to the wall bracket using the grub screw.

- 4.6.3. 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 second hose washer.

- 4.6.4. Attach the shower rose to the riser with sealing washer in place.

### 5. Operation & Setting

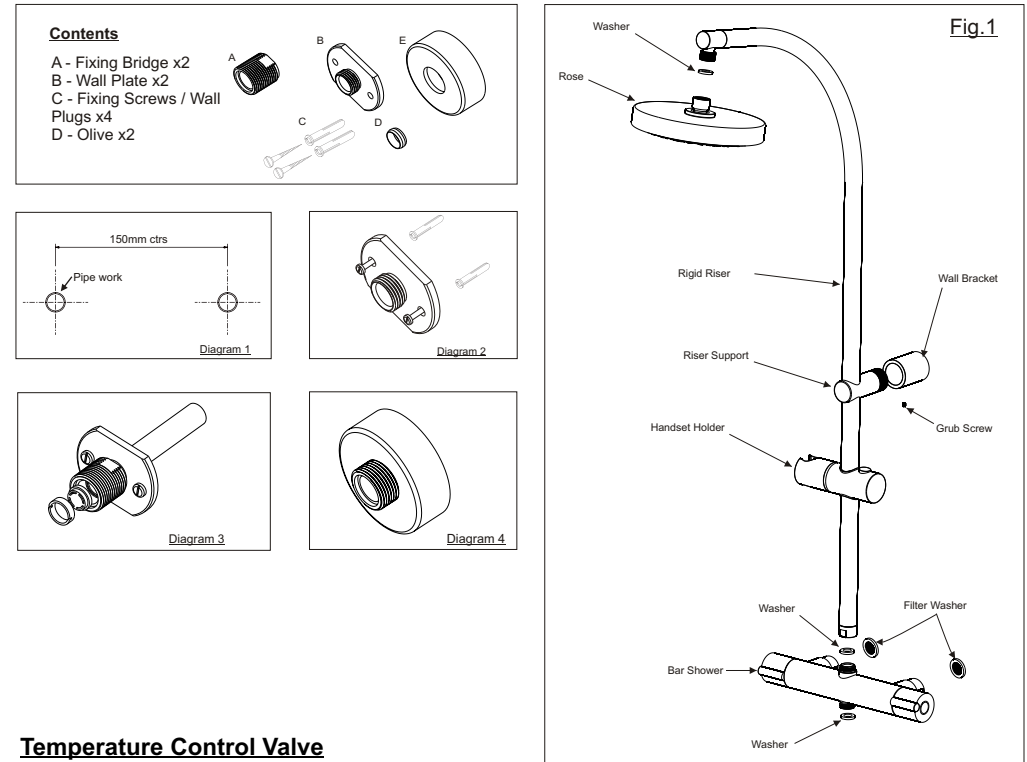
#### 5.1. Operation

There are two control handles on the shower. Depress the button on the flow control handle (left) and turn anti-clockwise to turn on and to increase the flow for the handset, and clockwise to turn on and increase the flow to the rose. The temperature control handle (right) is turned anti-clockwise for hot, clockwise for cold and features a 'temperature stop button'. The 'stop' is factory set to 38°C, but can be overridden by depressing the override button and continuing to turn the handle in an anti-clockwise direction to take to a higher temperature.

#### 5.2. Setting (See Fig. 2,3 and 4)

- 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 the its 'stop' position and check the outlet temperature. It has been factory set to 38°C at balanced supply pressures of 1.0 Bar.
- 5.2.4. **Whilst the water is flowing** remove the temperature handle by removing the indices and screw, then pull the handle off the spindle.
- 5.2.5. Turn the spindle 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 handle is against the maximum temperature stop on the nylon stop ring. Secure handle.

### Installation Diagrams



### Temperature Control Valve

