BRISTAN

Solo Thermostatic Surface Mounted Bar Shower Valve with Adjustable Riser

Fitting Instructions

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 leave these instructions with the end user for future reference and for the request of replacement parts.

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PRODUCT CODE: SO SHXAR C

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(FI SO SHXAR) (Rev. D2) (MZ)

CONTENTS

1. INTRODUCTION

Your Bristan Solo thermostatic shower fitting is a dual control mixing valve incorporating a wax capsule thermostat to ensure constant showering temperatures. This valve has been designed and tested to comply with BS EN1287:1999 & BS EN1111:1999 and has been manufactured to the highest quality standards.

These installation instructions are for your guidance to a safe and successful installation, and should be left with the user after installation. All products manufactured and supplied by Bristan are safe provided they are installed, used and receive regular maintenance in accordance with these instructions

2. SPECIFICATION

Inlet Connections:	½" BSP to ¾" BSP fixings
Water Pressures:	Min. 0.1 bar Max. 5 bar (Max pressure ratio 5:1)
Factory Set Temperature.	38°C (Can be re-set/overridden to suit site conditions).

Hot & Cold supply Temperatures.

Minimum Hot Supply recommended:	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.

8. GUARANTEE AND REGISTRATION

8.1 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 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.

6.2 MAITENANACE

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

6.2.1 See fig. 1, page 4. Remove the temperature control knob (12) and the white nylon stop (11) and unscrew the temperature control cartridge (10) and check its condition.

6.2.2 Reassemble the cartridge (10) after having cleaned it and the inside of the valve body making sure that the 38 ^{o}C mark, (arrow), is in line with the reference notch on the valve. If the temperature needs re-setting, see section 5.2

6.2.3 Repeat the operation for the flow control side of the valve by removing the screw cover (6) and unscrewing the valve screw (7).

6.2.4 Remove the flow control knob (8) and unscrew the flow control valve (9) and check the condition of the seals.

6.2.5 Reassemble the valve after having cleaned the inside of the valve body.

6.2.6 To clean the non-return valves, turn off the water supplies and disconnect the shower from the supplies by unscrewing the nuts (5).

6.2.7 Remove filter washers (3) and clean as necessary. Prise the retaining collar from the retaining nut; this will enable the removal of the check valves. Remove any dirt and debris from the valves and reassemble.

6.2.8 Re-assemble and re-connect to the water supplies.

7. FAULT DIAGNOSIS

If your valve fails to function correctly, the following should be checked:

7.1 Check that the hot and cold connections are the correct way around. Hot on the left and cold on the right when viewed from the front.

7.2 Ensure that the hot water temperature is adequate; the recommended minimum hot water temperature is 60 ^{o}C. The hot water temperature has to be at least 10 ^{o}C higher than the blend temperature to ensure that the safety shut off will work.

3. CONTENTS CHECKLIST

Solo Bar Shower

1 x Valve
1 x Riser rail kit, Handset & Hose
2 x Elbow/shroud connecting kits

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 the Water Regulations. For further details contact your Local Water Authority.

4.3 This mixing valve is suitable for use with the following systems:

- Gravity Fed Hot & Cold (Equal Pressure)
- Gravity Fed Hot & Mains Cold (Differential Pressure, 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 head must be at least 1 metre.

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

4.5 Bar Shower Body

4.5.1 Determine correct orientation and position for the valve and screw the connectors (1) (see Fig. 1, page 4) into the wall connections, (1/2 BSP female), not supplied. Hot on the left and Cold on the right when viewed from the front. Please note that the inlet retaining collars are red and blue to denote hot and cold respectively.

4.5.2 Screw the shrouds (2) onto the connectors.

4.5.3 Place the sealing washer (3) into the connecting nut (5) and tighten the nuts onto the inlet connections (1). The flow control handle (8) should be on the left, the temperature control (12) on the right and the hose outlet underneath. Fit the mixer to the wall.

PLEASE NOTE: As there are no backnuts or fixing plates supplied, the shower needs to be connected/supported with rigid pipe work.

4.6 Adjustable Riser

4.6.1 SAFETY NOTE !

To establish the position of the rail fit the wall brackets (17) (see Fig. 2, page 4) to the tube and mark out the position for the required screw holes. Then remove tube and screw wall brackets to wall using screws and wall plugs supplied.

4.6.2 Slide the handset holder (14) onto the tube (15) and fit the wall brackets covers (16) onto the tube. Then push the tube into wall brackets. Make sure the rail is close enough to the valve so that the handset will reach the rail when connected to the valve with the hose.

4.6.3 Fit the hose to the handset and then connect to the valve outlet.

5. OPERATION AND SETTING

5.1 Operation

There are 2 control handles on this valve. To control the flow turn the handle (8) anti-clockwise to turn on and increase the flow, and clockwise to decrease and turn off. On the temperature control (12) a numbered dial indicates the direction for hot and cold flow. Turn anti-clockwise for hot and clockwise for cold. If in operation an increase in temperature above the factory set temperature is required, simply depress the red button on the temperature handle when it reaches the stop and continue to turn the handle anti-clockwise until the desired temperature is found.

5.2 Setting

The temperature is factory set at 38°C. This can however be adjusted for site conditions or personal preference by removing the screw cover (14) (see Fig. 1, page 4) and unscrewing the head retaining screw (7). Remove the temperature control handle (12) and turn the control spindle on the temperature valve (10) in the required direction to increase or decrease the temperature. Replace the handle (12) so that the stop is in the maximum position. Place the handle back onto the valve and replace screw and cover.

6. CLEANING AND MAINTENANCE

6.1 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 the non-scratch cleaners.

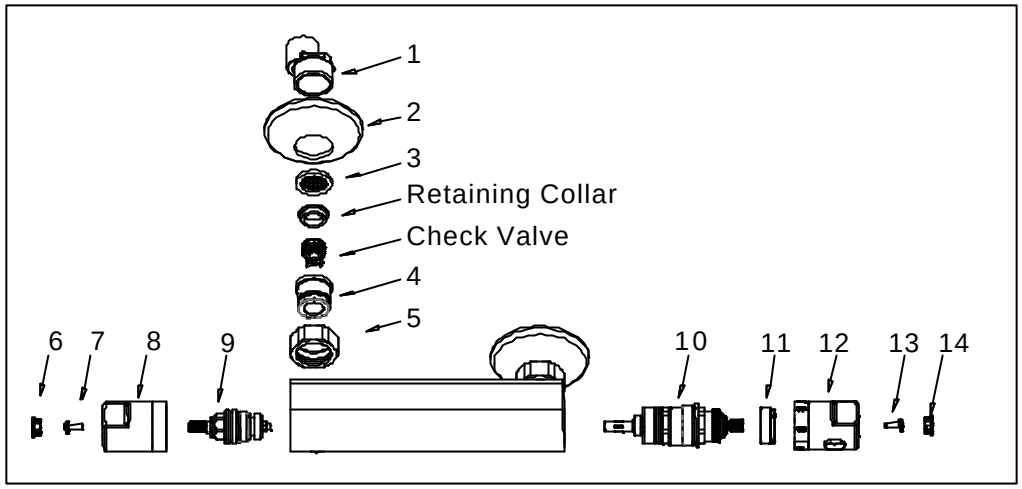

Fig. 2