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BRISTAN

Design Utility Thermostatic Bath Shower Mixer

Fitting Instructions

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 to:

- Wear eye protection
- Unplug equipment after use

Please keep these instructions for future reference and request of replacement parts.

CONTENTS

1. INTRODUCTION

Your Bristan thermostatic bath shower mixer fitting is a dual control mixing valve incorporating a wax capsule thermostat to ensure constant bath filling or showering temperatures.

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

2. SPECIFICATION

Inlet Connections:	Pillar mounted: Pillars have ¾" tap connection
Water Pressures:	Min. 0.2 bar Max. 5 bar, Max. Pressure ratio 5:1
Factory Set Maximum Temp.	38°C (Can be re-set/overridden to suit site conditions).

9. 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 '0' 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. CLEANING AND MAINTENANCE

8.1 Cleaning

8.1.1 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.

8.2 Maintenance (See Fig. 2)

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

8.2.1 Remove cap (a), loose screw (b) and remove temperature control knob (c) and nylon stop (d).

8.2.2 Unscrew the grub screw to remove the temperature control cartridge (e) and check its condition i.e. valves and seals.

8.2.3 Reassemble the cartridge after having cleaned the inside of the valve body.

8.2.4 For the flow control, remove the cap, making sure that the water supply is switched off, and unscrew the valve.

8.2.5 Reassemble the valve after cleaning.

Recommended Min. 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 to ensure that the safety shut off will work.

3. CONTENTS CHECKLIST

Mixer Valve Body	(x1)
Sealing (filter) washers	(x2)
Pillars (including backnuts and washers)	(x2)

4. PRE-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 mixing valve is suitable for use with the following systems:

- Gravity Fed Hot & Cold (Equal Pressure)
- Gravity Fed Hot & Mains Cold (Differential Pressure, maximum ratio 5:1)
- Unvented Systems
- Gas Combination Boiler
- Pumped System

PLEASE NOTE On gravity systems the minimum distance from the underside of the water tanks/cylinder to the bath filler must be at least 2 metres.

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

5. INSTALLATION

5.1 Pillar Mounted Bath Shower Mixer (See Fig. 2)

5.1.1 Place the sealing washer (2) into the connecting nut (1) and tighten nuts onto the pillars (3).

5.1.2 Fit the pillars (3) to the bath using backnuts (5) and washers (4). The flow control should be on the left and the temperature control on the right with the outlet underneath.

5.1.3 Connect water supplies to pillars. **Hot on the left and Cold on the right**.

6. OPERATION AND SETTING

6.1 Operation

6.1.1 To switch from bath to shower mode, pull the diverter up. After use the mixer automatically reverts to the bath-filling mode.

6.2 Setting

6.2.1 The temperature is factory set at 38°C, however this may be over ridden by 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. This can however be adjusted for site conditions or personal preference by: removing the cap (a), removing the screw (b), removing the handle (c) and turning the spindle in the required direction to increase or decrease hot or cold temperature. Replace the handle (d) so that the stop is in the maximum position. Screw back onto the valve and replace the cap (a).

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.

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

Fig. 1

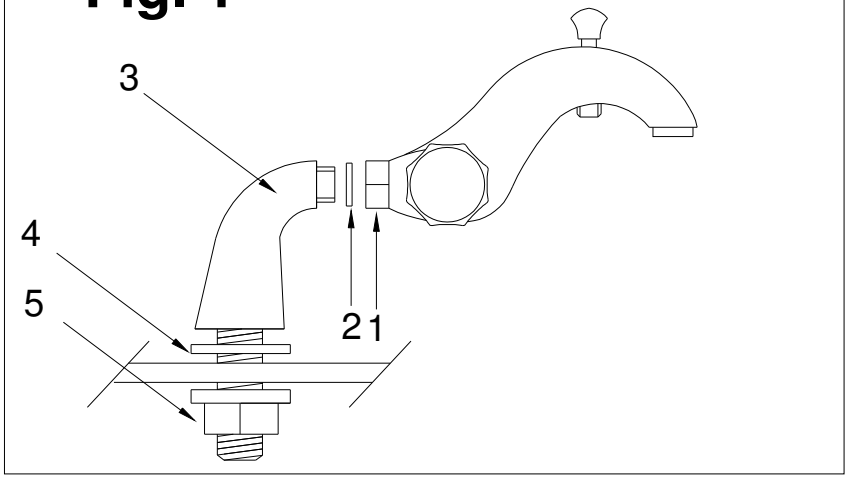

Fig. 2