

Carre Thermostatic Bar Shower Valve with Rigid Riser & Integral Diverter to Shower Handset & Fast Fit Connections

PRODUCT CODE: CR SHXDIVFF C

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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 ¾" BSP, 150mm centres.

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

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 between 60°C to 65°C).

Maximum Cold Supply: 25°C

(NOTE: - The hot inlet water temperature must be at least 10°C above the required blend temperature).

9. Bristan Guarantee

2 year	-	<u>Pumps, Power Showers</u> 2 year parts. 1 year labour (subject to registration).
2 year	-	<u>Electric Showers/Instantaneous Water Heaters</u> 2 year parts. 1 year labour (subject to registration).
5 year	-	<u>Taps and Mixers</u> 5 year parts and 1 year labour (subject to proof of purchase). <u>Shower Valves</u> 5 year parts. 5 year labour (subject to registration), else 1 year proof of purchase. <u>Accessories</u> 5 year parts only. Includes bathroom accessories, shower accessories (e.g. hoses, handset, and poles), wastes, WC levers and light pulls.
10 year	-	<u>Shower Enclosures, Shower Trays, Sanitary Ware & Furniture.</u> 10 year parts (subject to registration), else 2 year with proof of purchase. 1 year labour (subject to registration), else 1 year with proof of purchase.

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 a 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.

NOTES


3. Pack Contents Checklist

- Bar Shower Body
- Quick Fix Connectors (with shrouds and fixings)
- Sealing Washers (with filters)
- Rigid Riser, Rose, Hose and Handset (with 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 (Please refer to diagram on page 5)

- 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, when viewed from the front.**
- 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 centres is maintained after the wall has been finished.
- 4.5.3.  **(See safety 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.

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

- 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. To operate, rotate 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. The maximum temperature is factory set to 46°C, but can be re-set to suit user preference.

5.2. Setting

- 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 46°C at balanced supply pressures of 0.5 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.

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

- 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

- 7.2.2. Turn off water supply. Remove the temperature control handle, by pulling 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

- 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 diverter 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.

6. Fault Diagnosis

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

FAULT DIAGNOSIS	
Symptoms	Cause / Rectification
Only hot or cold water from mixer outlet.	Inlets reversed (hot supply to cold supply). Check that the hot & cold connections are the correct way round. Hot on the left, cold on the right when viewed from the front. Rework pipework as necessary.
Outlet temperature too hot / too cold.	No hot or cold water reaching the mixer.
	Check the insert filters for any blockage.
Fluctuating or reduced flow	Installation conditions outside operating parameters, refer to " Specification " section.
	Check the shower handset, hose and filters for any blockage.
	Make sure that the maintained inlet pressures are nominally balanced and sufficient, refer to the " Specifications " section.
	Make sure that the inlet temperature differentials are sufficient, refer to " Specification " section.
Water leaking from shower head.	Air lock or partial blockage in the pipework.
	This is normal for a short period after shut off.
	Check that the pressures do not exceed the specification for the product, refer to " Specification " section.
	Cartridge inlet seals damaged, renew.
	Replace the flow cartridge.

Installation Diagrams

Contents

- A - Fixing Bridge x2
- B - Wall Plate x2
- C - Fixing Screws/Wall Plugs x4
- D - Olive x2
- E - Wall Cover x2

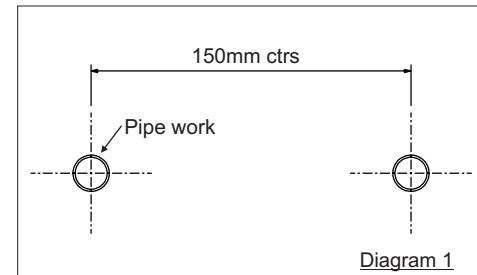
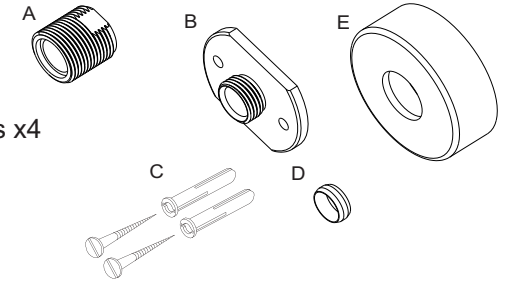


Diagram 1

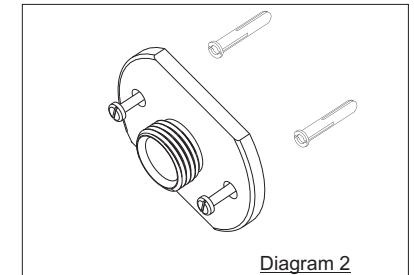


Diagram 2

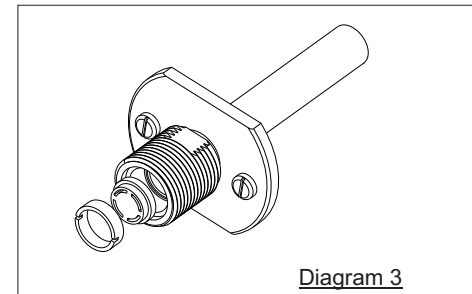


Diagram 3

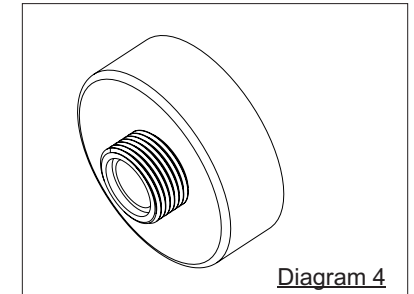
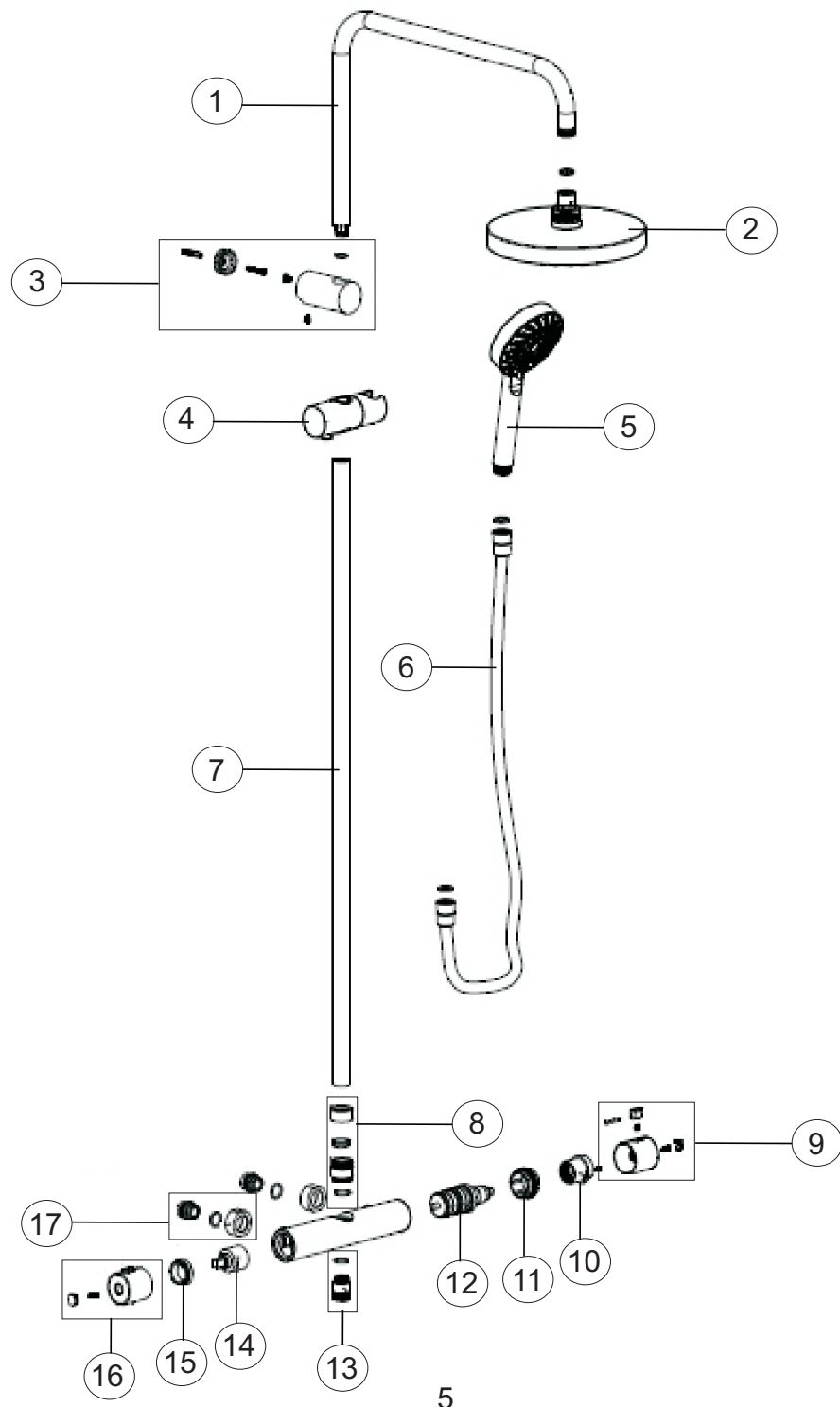


Diagram 4



CONTENTS

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2. Shower Rose
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5. Handset
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7. Riser Rail
8. Riser Adaptor
9. Temperature Knob Assembly
10. Temperature Ring
11. Retaining Nut
12. Cartridge
13. Outlet Adaptor
14. CD Valve
15. Retaining Nut
16. Flow Knob Assembly
17. Valve Connection Kit