



Sceptre Universal Thermostatic Mixer Shower (Exposed & Concealed)

Fitting Instructions



Before starting any installation project, consider "safety" first. Look for the "safety note" sign and read the safety advice.

Please leave these instructions with the user

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1. Introduction

Your dual control 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, manufactured to the highest quality standards and is a Water Regulations 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: 15 mm compression with 153mm between centres.
Water Pressures: Min. 0.1 bar Max. 5 bar Max. Pressure ratio 5:1

Factory Set

Maximum Outlet Temp: 41°C (can be re-set to suit site conditions).

Hot Supply Temp.

Minimum recommended 60°C

Maximum Hot Supply: 80°C

Note: the inlet hot water temperature must be at least 10°C above the required blend temperature.

3. Pack Contents Check List

1 x Valve	1 x Concealing Plate
1 x Slider Rail Kit	1 x Wall Outlet
1 x Handset	1 x Hose

4. Installation

4.1 Pre-Installation (See Page 7 for Diagram)

4.1.1 Identify all components and check for completeness, particularly before arranging fitting.

4.1.2 This mixer should be installed in compliance with Water Regulations. For further details contact your Local Water Authority.

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

- Gravity Fed Hot & Cold (Equal Pressure)
- Gravity Fed Hot & Mains Cold (Differential Pressure)
- Unvented Systems
- Gas Combination Boiler
- Pumped System

Prior to installation identify the supply system and the approximate supply pressures, and by using the following table determine if flow limiters have to be fitted to the inlet elbows:

Pressure / Supply	Cold Pressure(bar)	Hot Pressure (bar)	Cold Elbow	Hot Elbow
Low Balanced or Unbalanced	0.1 to 1.5	0.1 to 1.5	No	No
Unbalanced	Above 1.5	0.1 to 1.5	Yes	No
High Balanced	Above 1.5	Above 1.5	Yes	Yes

PLEASE NOTE:

On gravity systems the minimum distance from the underside of the cold water storage tank to the shower head must be 1 metre.

4.1.4 To fit the flow limiter(s) (1) into the elbows (2) if required. Unscrew the retaining ring (3) and remove the thick spacer washer. Install the thin washer (4) then the flow limiter (1) (large diameter first), then refit the retaining ring (3).

4.1.5 Fit the filters (5) into the elbows (2) then lock the elbows in position with the grubscrews (6) using the hexagon key (7). The mixer can be fed from the top, bottom or rear.

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

4.2 Installation (Exposed)



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

4.2.1 (See Safety Note) Screw the backplate (8) to the wall with screws provided (9). If the wall is tiled, to avoid the possibility of cracking we recommend that the end of the plug (10) be sunk below the tile and the gap filled with silicon sealant. **Hot supply on the left, cold on the right, when viewed from the front. (A removable red label indicates hot inlet).**

4.2.2 Position the wall covering plates (11) over the 15mm supply pipes (not supplied) and fit the nuts (12) and olives (13).

4.2.3 Fit the body (14) into the backplate (8) engaging the 15mm pipes into the elbows (2) and tighten the nuts (12). Lock the body in position by tightening the grub screws.

4.3 Installation (Concealed)



It is recommended that when installing the concealed valve, full access is provided for servicing purposes.

4.3.1 (See Safety Note) Secure the backplate (8) into the wall cavity with the screws provided (9).

4.3.2 Fit the body (14) into the backplate (8) and lock in position using the grubscrews.

4.3.3 Engage the 15mm supply pipes (not supplied) into the elbows (2) and tighten the nuts (12).

4.3.4 If a compression fitting from the valve to the wall outlet is required, remove the valve outlet, move the o-ring to the opposite side of the outlet and replace with compression adapter showing. Use the nut and olive supplied to connect suitable pipework to the wall outlet.

4.3.5 Fit the concealing plate (15) over the shower valve.

4.4 Adjustable Riser Installation



Exposed Valve

4.4.1 (See Safety Note) Screw the wall brackets (16) to the wall, slide the handset holder (17), the hose retainer (38) and the soap tray (18) onto the tube (19).

4.4.2 Fit the covers (20) to the tube (19) then clip the cover/tube assembly to the wall brackets (16) ensuring that the hose (21) will connect to the valve in the extreme position. Connect the handset (22) to the valve using the hose (21).

Concealed Valve

4.4.3 Mount the adjustable riser as instructed on the surface mounted valve, Then mount the wall outlet (23) to the wall using the threaded adapter and backnut and connect it to the shower valve outlet, ensuring the hose will connect to the wall outlet in the extreme position.

4.4.4 Connect the handset to the wall outlet using the hose.

5. Setting

5.1 Turn on the water supplies and fully open the flow control, let the water run long enough to ensure that the hot water supply is at its maximum temperature.

5.2 Turn the temperature control anti-clockwise to its maximum position and check the outlet temperature. This has been factory set at 41° C at balanced supply pressures. (0.5 bar).

5.3 The maximum temperature can be adjusted to suit site conditions or user preference. To adjust this, follow this procedure:

5.4 Remove the temperature control handle (24) by removing the indice (25), unscrewing the retaining screw (26) and pulling the handle off the spindle (27).

5.5 Turn the spindle (27) anti-clockwise to increase the temperature and clockwise to reduce it.

5.6 Refit the handle (24) so that the stop pin is at the maximum position then refit the screw (26) and indice (25).

6. Operation

6.1 On / Off - Flow Control

It is important to note that the handle that controls the flow turns through 90 degrees to achieve full and maximum flow.

Do not attempt to force the handle past 90 degrees as this may cause damage to the valve.

6.2 Temperature Control

The small handle controls the temperature. This control revolves with the flow control and remains at the previous setting.

To adjust the temperature, turn the control anti-clockwise to increase the temperature and clockwise to reduce it

The valve automatically adjusts for changes in supply and maintains the outlet at the set temperature.

7. General 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, cold on the right.

7.2 Ensure that the hot water temperature is adequate. The recommended minimum temperature is 60 deg. C.

8. Cleaning & Maintenance

8.1 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 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.

8.2 Regular Maintenance

We advise that the valve is regularly serviced, particularly in hard water areas. It is also important to clean the handset regularly in hard water areas to maintain an even spray/flow of water.

8.3 Cartridge Maintenance

8.3.1 Turn off the hot and cold supplies

8.3.2 Remove the temperature control handle (24) by removing the indice (25), unscrewing the retaining screw (26) and pulling the handle off the spindle (27).

8.3.3 Remove the circlip (28) and pull the flow control handle (29) off the valve.

8.3.4 Unscrew the two screws (30) and remove the retaining ring (31) and the slip ring (32).

8.3.5 Pull the cartridge (33) forwards to remove from the shower body (14).

8.4 Seal Replacement

8.4.1 Remove the existing seals from the cartridge.

8.4.2 Fit the two large seals (34 & 35) into grooves A & C and fit the medium seal (36) into groove D. Orientate the seals as shown in the diagram (Note: grooves B, E & F are left blank).

8.5 Changing the Ceramic Disc Valve

8.5.1 Remove the ceramic disc valve (37) by unscrewing it from the cartridge.

8.5.2 Refit the replacement valve, ensuring that the seat and valve seal are clean.

8.6 Refitting the Cartridge

8.6.1 Ensure that the ceramic disc valve is in the off / closed position.

8.6.2 Grease the seals with silicon grease and carefully refit the cartridge into the body.

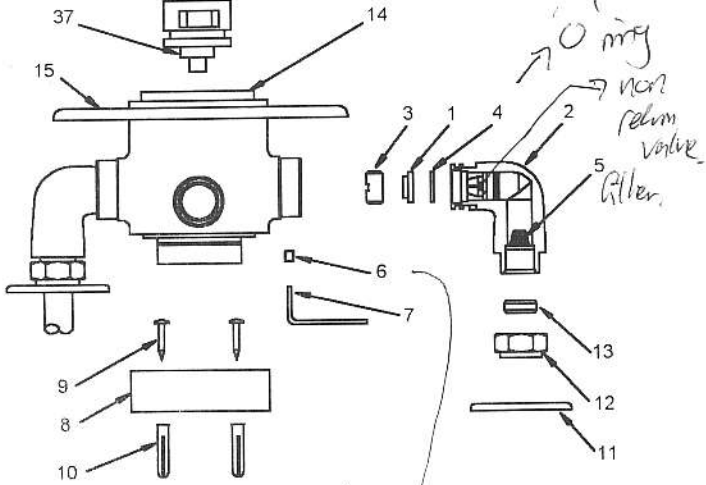
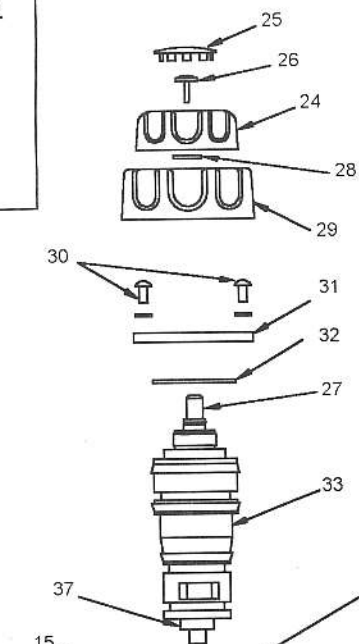
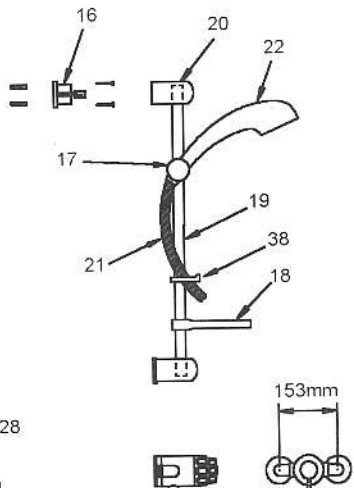
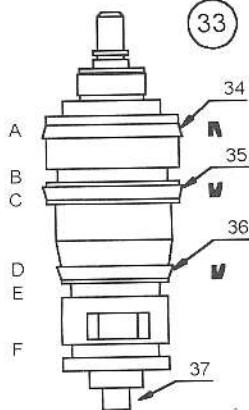
8.6.3 Refit the slip ring and the retaining ring using the screws. If the screw slots do not line up with the holes in the body, remove the cartridge and turn it by the required amount and refit.

8.6.4 Refit the flow control handle and circlip.

8.7 Resetting the Maximum Temperature - See section 5.

SEAL DETAIL

33



Loosen 8mm wall
Allen key to # 6
Then # 3 and # 12.

Loosen elbow.

9. Guarantee

All products are manufactured to the highest standards and a 5-year guarantee covers any defect in manufacture.

In the interests of continuous product development the manufacturer reserves the right to alter the specification as necessary.

Bristan

→ 0870 754 5555
Say hi 0870

⇒ 01827 254 144

TELEPHONE HELP LINE! 01827 311345

PRODUCT CODE: SCEPTRE C

ask for
customer services
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Manufactured for City Plumbing Supplies Limited by:
Bristan Limited
Lagrange
Lichfield Road Industrial Estate
Tamworth
Staffordshire
B79 7XD
UK

Telephone: 01827 68525
Facsimile: 01827 68553
(CPSFI SHW 25/09/02 MZ)

08704 425556