Guarantee & Registration

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 we reserve the right to alter the specification as necessary.

Registration

To register your product with us please complete and return the enclosed registration card.

PRODUCT CODE: PM PBSHU C

TELEPHONE HELP LINE! +44 (0) 870 4425553

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(FI PM PBSHU) (REV.D1) (AJ)

BRISTAN

Prism Pressure Balancing Shower Universal Valve With Adjustable Riser

Fitting Instructions

Before starting any installation project please consider:

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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Please read these instructions carefully.

IMPORTANT

The plating on the pressure balance valve and accessories is easily damaged. Immediately after installation, ***COVER UP*** the mixer and accessories to avoid accidental damage from subsequent work being done elsewhere in the room.

Plaster, grout, sealants and dust will cause permanent stains or scratches.

Wrap a clean sheet, or better still secure bubble pack around the items using adhesive tape to protect against knocks and contamination.

SITE REQUIREMENTS

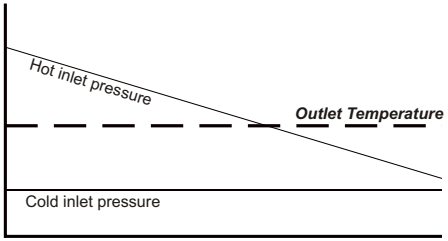
Your pressure balance valve is designed specifically for use with modulating combination boilers, instantaneous gas water heaters and high pressure hot and cold water supplies.

Minimum pressure: 0.5 bar (5m head) with flow rate of 7 L/min
Maximum pressure: 8 bar

OPERATING CHARACTERISTICS

To operate the pressure balance shower valve the lever needs to be lifted up to allow the water to flow through the valve. With the hot water at about 65°C and the cold at 16°C an acceptable showering temperature is achieved in the mid blend position, rotate the lever anti-clockwise to increase the temperature and clockwise to lower the temperature. If the control lever is pushed down in any position the unit will shut off.

This graph shows how the pressure balance valve performs when the hot supply pressure is decreased, the same would also happen if the cold supply pressure would decrease.



Performance

Pressure (bar)	0.5	0.75	1	2	3	4	5	6	7	8
Flow (L/min)	7	8.5	10	13.5	17.5	19.5	22	24	26	27.5

NOTES

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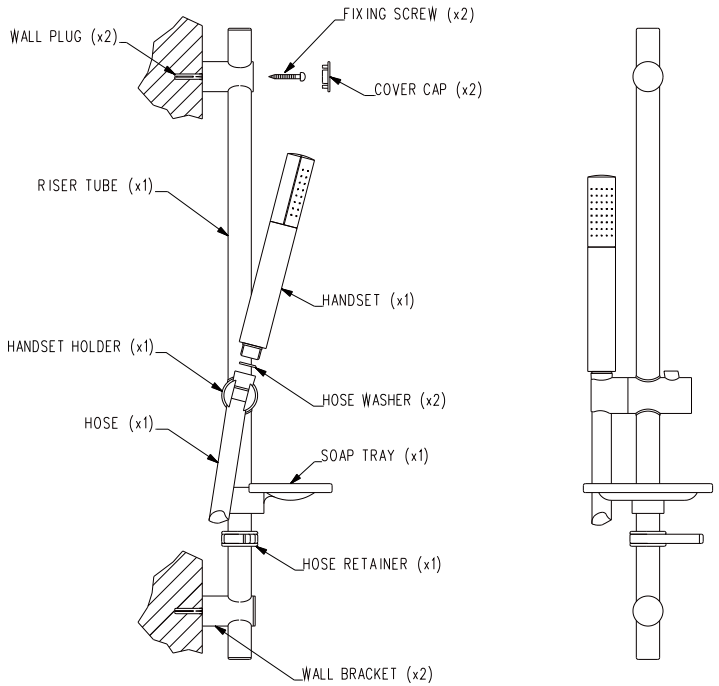
ADJUSTABLE RISER INSTALLATION



Please note:- Make sure the adjustable riser is close enough to the shower valve so that the handset will be able to reach the handset holder when connected to the valve and hose.

1) 

(See safety note) Establish the position and orientation of the adjustable riser, measure the required centres of the wall brackets and mark onto the wall in the required position.

2) Drill hole to suit wall plugs (if required) for the top bracket only. Attach the top bracket and riser tube to the wall using the fixing screw. Use the riser tube to check the position of the bottom bracket is correct and the riser will be square.

3) Once happy with the marking for the second hole drill and attach the bottom bracket and riser tube to the wall ensuring the handset holder, soap dish and hose retainer are in position. Use the cover caps to conceal the fixing screw.

4) Attach the hose to the shower valve using a hose washer after feeding it through the hose retainer. And finally attach the handset using the final hose washer.

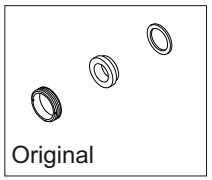
FLOW LIMITER

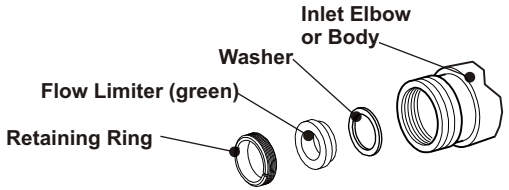
The valve is supplies with two green flow limiters but will run without them however we recommend that these be fitted if:

1 - The valve is on nominally equal pressures and water economy is important, fit a flow limiter in both elbows.

2 - The ratio of hot pressure exceeds 5:1, fit a flow limiter in the higher pressure elbow.

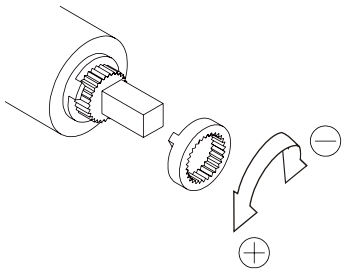
3 - With combination boilers both flow limiters should be fitted to avoid taking excess Flow from the boiler.





MAXIMUM TEMPERATURE SETTING

You are able to set the maximum mixed water outlet temperature by removing the grey ring located on the top of the cartridge. Turning it clockwise will decrease the outlet temperature or anti-clockwise to increase the outlet temperature.



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SURFACE MOUNTED / RECESSED INSTALLATION

SURFACE MOUNTED

1) Remove the back plate and use the backplate as a template for the fixing holes.

2) Drill and plug to suit the wall plugs supplied (if required), screws are provided.

3) Fit the grubscrew loosely to the body and secure the backplate to the wall.

4) Locate the valve body to the wall and lock with the grubscrew. Fit the outlet adaptor to the valve - exchange with the blanking plug for top outlet (if required).

5) Connect the inlet pipes to the valve with compression fittings, please ensure the hot supply is connected to the inlet port ‘H’.

RECESSED

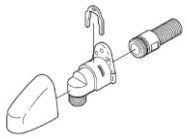
It is essential that when installing a concealed mixing valve, full access to the valve can be achieved for servicing purposes. Isolating valves are supplied as standard on concealed models and should be fitted with the filter plate provided.

Rear access to the mixing valve is always preferred wherever possible (e.g... an airing cupboard or panelled walls), as this removes the need to disturb any tiling or decorating features at the front of the valve.

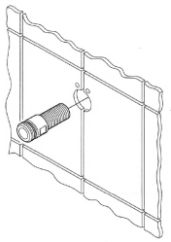
1) Follow the above instructions but within the cavity ensuring once the wall is completed the concealing plate can be located on the body of the valve.

2) Pipe up the pipe work from the valves outlet to the required position of the wall outlet and use an appropriate adapter to convert to G1/2” female thread.

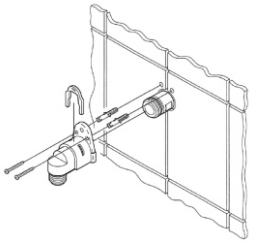
3) Finish the wall surface.



4) Dismantle the wall outlet as pictured, by pulling chrome shroud from the assembly followed by the lock clip, which will enable the tail to be removed.



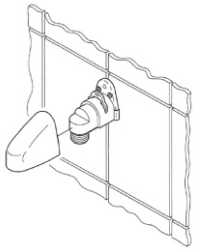
5) Screw tail into pre- plumbed adapter using suitable thread sealant. Use the across flats to secure tightly, the thread length may require shortening to suit installation.



6) Push the main plastic body over the tail diameter left sticking out of the wall. Use this to mark the fixing holes, ensure the outlet body is square.

7) 

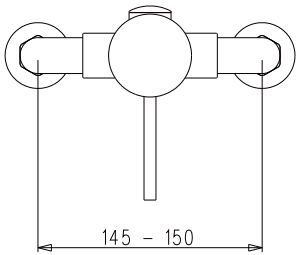
Drill wall to suit wall plugs supplied taking care not to damage the supply pipe to the outlet.

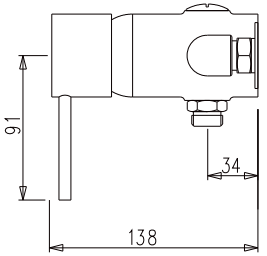


8) Re- position the plastic body over the tail diameter fixing to the wall using the screws and wall plugs (if required). Push the retaining clip into position and slide chrome shroud over the assembled wall outlet.

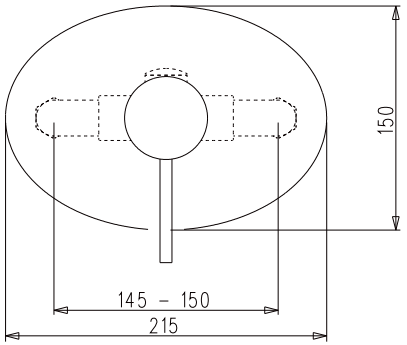
PRODUCT DIMENSIONS

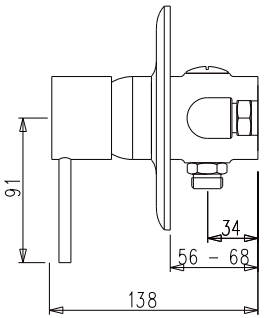
Surface mounted version





Recessed version





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