



SINGLE & DUAL OUTLET THERMOSTATIC SHOWER VALVE



Shower control handles and concealing plate may differ depending on Model

INTRODUCTION

This manual shows you how to install, maintain get the most from you Pura single / dual outlet thermostatic shower valve.

**WE RECOMMEND YOUR SHOWER VALVE BE INSTALLED BY
A QUALIFIED PLUMBER**

TECHNICAL DATA

This shower valve is suitable for use on all common types of plumbing systems including gravity, pumped, combination boilers and high pressure unvented systems.

Minimum working pressure 0.2 Bar

Maximum working pressure 3.0 Bar

Important note: Water pressures exceeding 3.0 Bar, you must install a pressure reducing valve in the mains supply pipe set at 3 bar for optimum results.

As quick guide to see if your water pressure is too high measure how many pints of water you get from your kitchen tap, with the cold side fully turned on. If you exceed 8 pints or equivalent in 30 seconds then you require a pressure reducing valve fitting to your incoming mains supply pipe, immediately after the stopcock to the premises.

TEST DATA

These valves have been pressure tested to 10 bar.

Before proceeding, please note:

1. The valve must be installed in compliance with local authority byelaws and water supply byelaws.
2. Read all instruction manual before proceeding.
3. Only begin installation when you have the necessary tools ready.
4. Please check that all the components are in the shower valve box.

AFTERCARE

When installing or using tools, extra care must be taken to avoid damaging the finish or the fitting. To maintain the appearance of your valve, please clean regularly using a clean soft damp cloth only. Abrasive cleaners or detergents must not be used as they can cause surface deterioration.

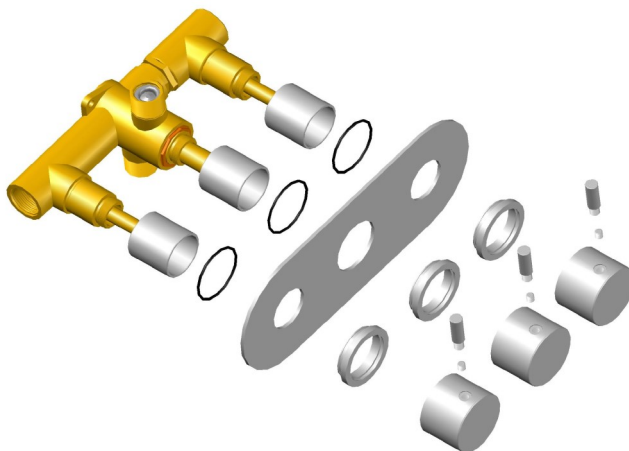
This shower valve uses a wax thermostatic cartridge to maintain a constant shower temperature. The valve is Anti Scald and will automatically shut down if the cold water supply fails. The valve itself is fitted with three controls, one to select the water temperature and two to control the water flow. Once a flow control is turned on, the maximum water temperature achieved will be the factory pre-set 44C.

STEP BY STEP INSTALLATION GUIDE

PRE INSTALLATION NOTES

- Identify and check all the parts (**shower control handles and concealing plate designs may differ depending on model**).
- When deciding the location of the valve, ensure you have sufficient pressure for an acceptable shower.
- **IF YOU HAVE A SINGLE OUTLET SHOWER VALVE PLEASE DO NOT REMOVE THE BLANKING PLUG.**
- The hot water feed must always be connected the inlet marked **HOT** on the shower valve.
- Both hot and cold feeds must have accessible isolator valves fitted in-line for servicing purposes (not supplied).
- Refer to plumbing diagrams for further installation guidelines.
- Ensure you check your recess depth carefully before securing pipework and the valve.

TWO OUTLET THERMOSTATIC SHOWER VALVE COMPRISES:



Please note:

The two outlet thermostatic shower valve may be installed either vertically or horizontally.

2. SITE PREPARATION

Make a cavity in the wall to allow the hot and cold water supply and outlet connections to be made.

Both hot and cold supply feeds must be flushed through before connection to the shower valve is made.

Please note: It is permissible to install the valve horizontally. Ensure the hot supply is connected to the inlet marked HOT. Adjust the cavity to suit

3. CONNECT TO WATER SUPPLIES (see illustration 1a)

- Secure the shower main body within the cavity by means of two suitable fixings (not supplied)
- Connect hot and cold water supply feeds to the shower valve, using a suitable brass male iron and swivel connector (not supplied).
- Make connection to the shower outlets, using a suitable brass male iron and swivel connector (not supplied) and test all the pipe work.

3a. FLUSHING THE VALVE

Isolate the Hot & Cold supply and remove the thermostatic cartridge by unscrewing the hex lock nut at the base of the thermostatic spindle. By gradually opening the inlet supply, flush out any debris from the valve, ensure the filters on the cartridge are clean and free of debris, re-fit the cartridge into the valve body and replace the hex nut, ensuring it is fitted back correctly making the cartridge tight and secure.

- **CHECK FOR ANY LEAKS.**
- **NB Please ensure the area around the concealed valve unit is not filled in. Access must be left for servicing purposes. We recommend leaving a service area of 70mm x 210mm for our dual outlet valve and 70mm x 150mm for our single outlet valve.**

4. TILE UP/FINISH TO THE MINIMUM RECESS SIZE

This will allow for the future servicing of the shower valve components.

5. FIT CONCEALING PLATE (Plate may differ in style depending on model)

- Locate Flow retaining rings and temperature retaining ring onto plate and secure behind with the o-ring supplied.
- Locate concealing plate onto over the controls shrouds.
- Carefully refit temperature control handle ensuring that the thermostatic control spindle is not rotated (as this will alter the preset temperature.
- To create a water seal, use a thin line of suitable sealant between the concealing plate and the wall.

6. FINAL ASSEMBLY

Fit the control handles (Shower handles design may differ depending on model). Check the function of the valve. The maximum temperature should be 38 C
If not, see Temperature Setup.

7. TEMPERATUTRE SETUP

To ensure correct operation check the water temperature when running .

We recommend setting the water temperature at 38 C. (**Factory Setting**)

7a. To set the temperature turn the control clockwise to the valve's coldest position, you may have to remove the handle from the spindle and bypass the stopper on the thermostat spindle to achieve this.

Now with the handle replaced onto the spindle turn the control anti clockwise until the water temperature increases, if it does not then you may have to remove the handle and bypass the stopper and continue turning anticlockwise. When you are happy with the temperature you can set the handle position and secure.

7b. If you are unable to set the temperature or experiencing any difficulties installing your valve then please call our helpline on **01892 611240** and select option 3 for **aftersales**.

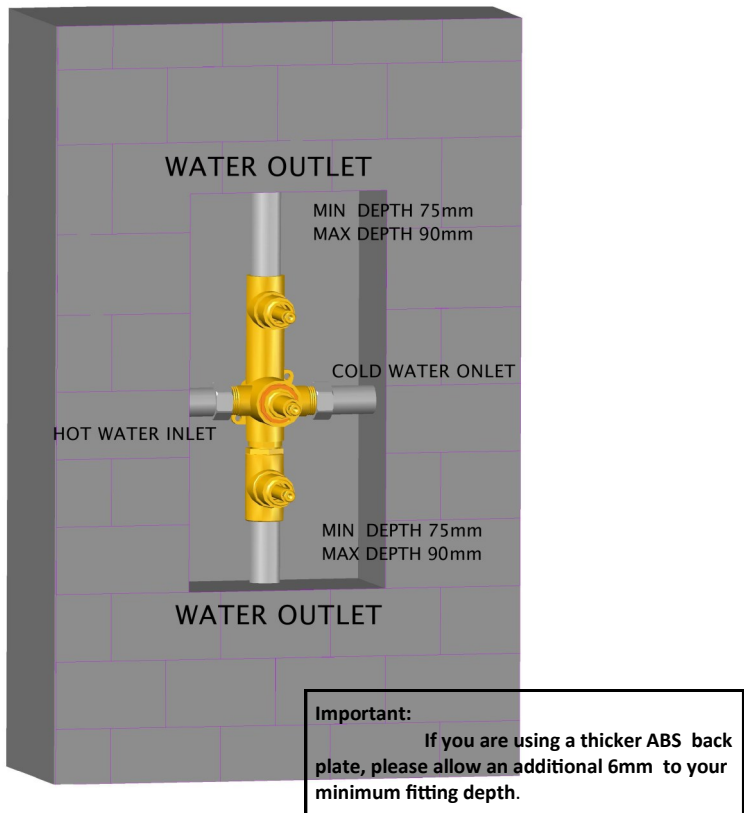
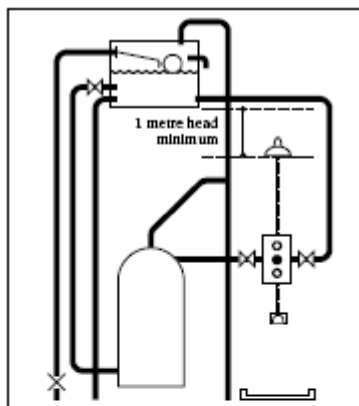
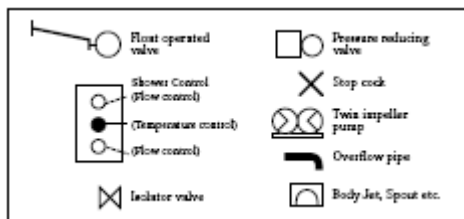


Illustration 1a

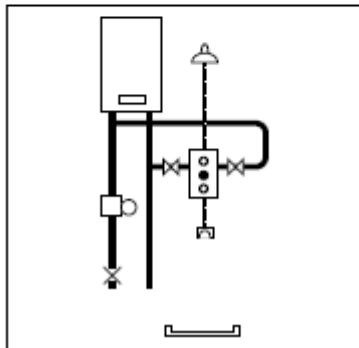
1. PRE INSTALLATION NOTES (continued)

PLUMBING DIAGRAMS

Key to symbols appearing throughout these notes:



N.B. Wherever possible 22mm pipework should be used.



Gravity Fed Showers

The shower valve must be fed from a cold water storage tank and a hot water cylinder. The use of a surrey or Essex flange connection will ensure an independent supply of hot water to the valve; this action will stop air being drawn into the system.

NB Keep all pipework runs as short as possible for maximum shower performance.

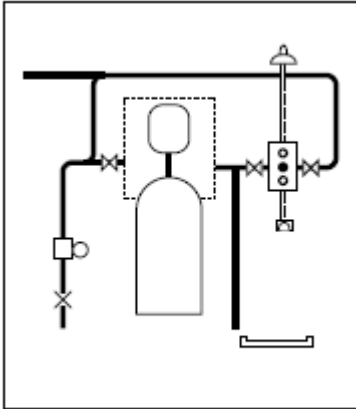
Gas Heated/Combi-Boiler Showers

The shower valve must be installed with a modulating type combi-boiler or multi-point gas heater. This system will produce a constant flow of water within the operating specifications of the appliance. NB the outlet temperature of the system must be capable of supplying hot water in excess of 60C.

A pressure reducing valve may be required to ensure that cold water pressures do not exceed 3.0 Bar.

1. PRE INSTALLATION NOTES (continued)

PLUMBING DIAGRAMS (continued)

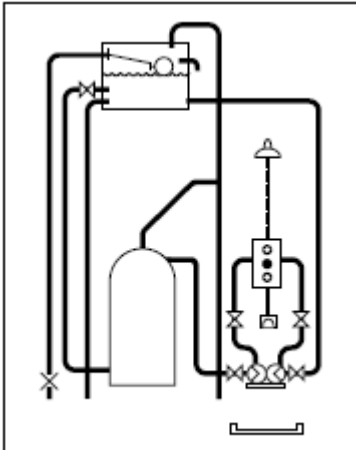


Unvented Mains Pressure Showers

The shower valve can be used on an unvented mains pressure system. This type of system must only be installed by a **competent person as per requirement of Part G of Schedule 1 of the building regulations.**

For systems with no cold water take off after the heaters pressure reducing valve, an additional pressure must be fitted, and set at the same pressure as the heaters.

The water supply pressure to the shower valve must be between 0.2 and 3.0 Bar.



Pumped Showers

The shower valve can be used on a gravity fed pumped system. The use of a Surrey or Essex flange connection to the hot water cylinder will ensure an independent supply of hot water to the valve; this action will stop air being drawn into the system.

NB Please follow pump manufacturers' instructions relating to the siting and water feed details to the pump. Keep all pipework runs as short as possible for maximum performance.

N.B. Wherever possible 22mm pipework should be used to the pump. If non-return valves are fitted to the pump you should remove the ones from the valve inlets to avoid cavitation.

TROUBLE SHOOTING

GRAVITY OR PUMPED SYSTEM

FAULT	DIAGNOSIS
"Water temperature is not hot enough"	<ul style="list-style-type: none">• Ensure hot water supply is at least 55 C.• Check for airlocks in pipework.• Remove handle and repeat temp setup.
No hot water	<ul style="list-style-type: none">• Maximum temperature requires adjusting
Cold water tracking through the valve into the hot water system.	<ul style="list-style-type: none">• Check and flush the non return valves

GUARANTEE

We guarantee our products against faulty materials or manufacture for 10 years on all brassware provided they have been installed, used and regularly maintained in accordance with our instructions. All working parts such as hinges, ceramic disks, cartridges, seals and cistern fittings, which are subject to normal wear and tear, are covered for 12 months from proof of purchase date. Our guarantee applies to the original purchaser only and is non-transferable. Should you raise a claim, the issue will be investigated. As part of the investigation we request that the following conditions be satisfied:

- Proof of purchase at the time of claim.
- The product has been maintained and cared for in compliance with our instructions (including regular and appropriate cleaning). If in our opinion the product has been modified, misused or accidentally damaged, we can accept no responsibility for failure.
- The opportunity to inspect the product in the installed condition.

Faulty items will be replaced with our nearest equivalent product.

This guarantee does not affect your statutory rights.

This guarantee is only applicable in the UK and Republic of Ireland.



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