

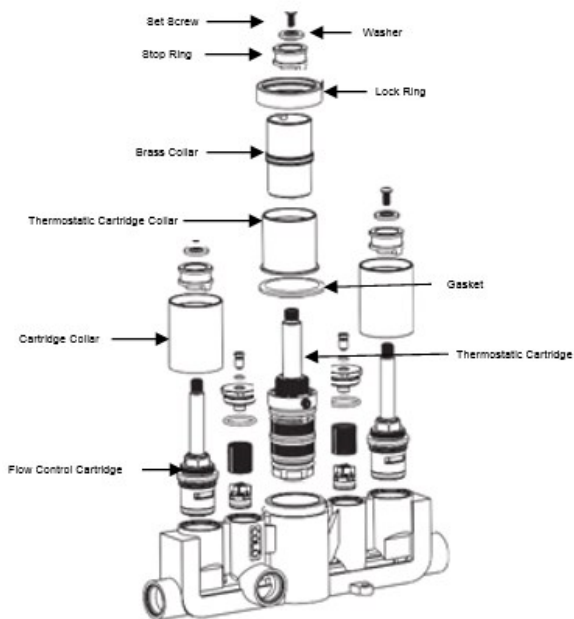
## Thermostatic Concealed Shower Valve



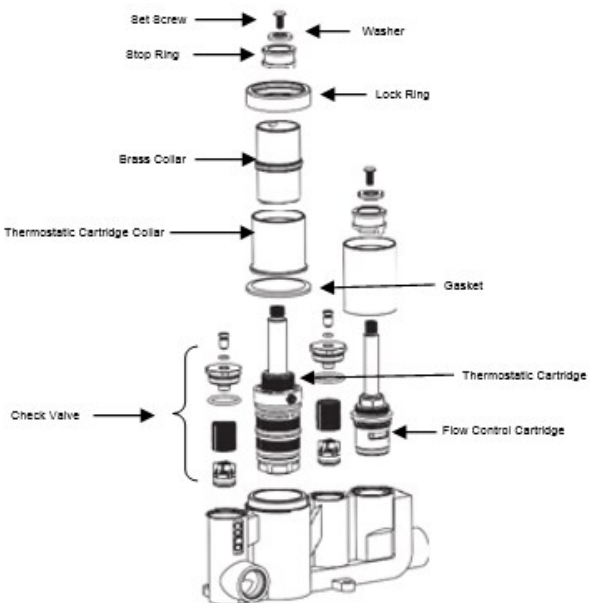
Product may differ from image.

Please retain this booklet for future aftercare reference

## Component Breakdown - Three Handle Valve

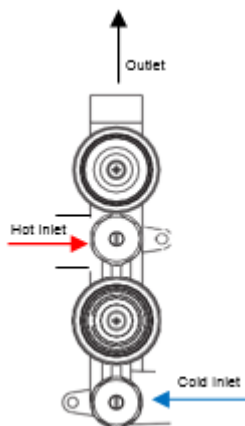


## Component breakdown—Two Handle Valve

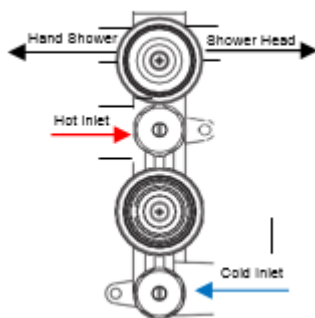


## Plumbing Connections

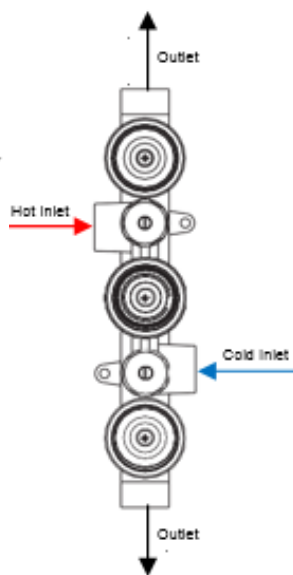
Single Outlet



Dual Outlet with Diverter



Dual Outlet



### Shower Valve Flow Rates - valve only.

Performance through outlets will be dependant on the outlet selected.

**NB:** Pressures are in bar. Flow rates are in litres per minute under factory conditions, actual rates will depend on the local installation.

Bar Pressure	2 handle, single outlet	2 handle, dual outlet	3 handle, dual outlet
0.2	7	6.1	6.1
0.5	10.1	9	9
1	12.8	11.1	11.1
1.5	14.6	12.8	12.8
2	16.5	14.2	14.2
2.5	18.2	15.4	15.4
3	19.5	16.5	16.5

## Operating Conditions

This product must be installed in compliance with current water supply regulations and inline with local authority and water supply byelaws.

This product must be installed by a qualified plumber.

Read the installation guide before proceeding with installation.

This shower valve is suitable for use on all common types of plumbing systems, including; gravity, combination boilers, pumped and high pressure unvented systems. For optimum performance, we do not recommend this product be installed on mixed water supply systems. E.g. Gravity hot, cold mains.

The working pressure conditions for this product is a minimum of 0.1bar and a maximum of 5.0 bar.

The working temperature conditions for this product is a cold water supply of between 4 - 29°C and a hot water supply of between 55 - 85°C.

For optimum performance, we recommend;

- A minimum of 0.2 bar operating pressure.
- A maximum of 3.0 bar operating pressure.
- Balanced hot and cold water supplies.
- A hot supply of 65°C and a cold supply of 15°C.

Please note: Water pressure exceeding 3.0 bar must have a pressure reducing valve in the main supply pipe after the main stop cock, set at 3.0 bar for optimum results. It should be noted that daytime pressures set at 3.0 bar can rise above the stated maximum overnight.

Prior to installation, please check the following;

1. That all components are present in the box.
2. The designation of the thermostatic mixing valve matches the application.
3. The supply pressures are within the valves operating range.
4. The water supplies are at the recommended temperatures.
5. The selected outlet fittings are compatible with this valve and water supply system.
6. Hot and cold feeds must correspond with the etched hot and cold markings on the valve body.

## Installation

Determine the fixing position for the valve and make a recess in the wall to house the valve. The depth of the recess should be between 80mm and 100mm to the finished wall surface, taking into account the tile thickness is used.

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 60mm x 160mm for two handle shower valves, and 60mm x 220mm for three handle shower valves.

Insert the valve into the wall recess, then mark fixing points with the mounting lugs that are cast on the valve of the body. Pull the valve out and drill suitable length holes at the marked positions.

Prior to installation and connection, make sure the pipes are thoroughly flushed to remove any debris etc. inline with water supply regulations. Attention: Failure to do this may impair the shower performance and affect guarantee.

The plumbing connections should then be made to the HOT & COLD water inlets which are clearly marked. Make sure that they are correctly connected, otherwise the thermostatic cartridge will not control the temperature correctly and may cause scalding.

Make the plumbing connection to the water outlet (s). This will take the water to the chosen outlet product (s) you have selected to run with this shower.

The plumbing connections on the inlets & outlets are all 1/2" BSP female threads. It is recommended to apply a suitable thread sealing compound to all connections.

Turn on the water supply. Check that there are no leaks.

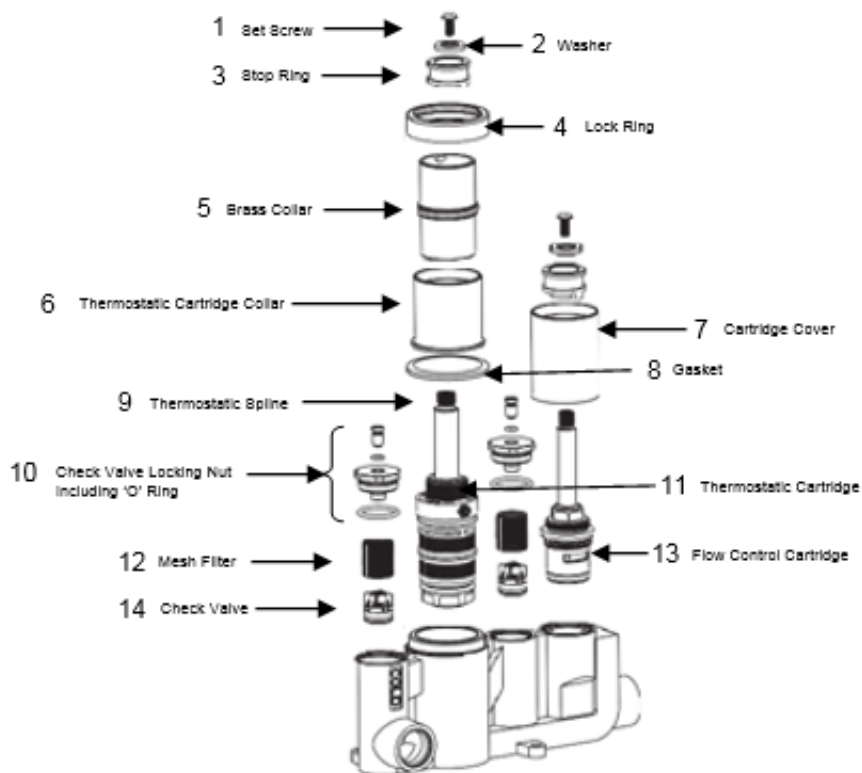
Run a small bead of silicone around valve opening on wall and slide the plate into position over the lock sleeves Fit up against the finished wall surface.

Position the stop lug of the brass collar (5) at 12 o'clock and ensure the red markings on 3 and 5, are in line. See page 7.

To fit the handles, place the temperature handle on the stop ring (3), hold the handle in position and tighten the grub screw with the supplied allen key. Be careful not to turn the stop ring (3) when tightening. Repeat for flow control handle (s).

The thermostatic control is clearly marked with H & C. For two handle valves, the temperature control handle is at the bottom. For three handle valves, it is in the centre.

## Exploded Diagram



## Troubleshooting

Issue	Diagnosis
Valve is letting by	Flush through the flow control cartridge to clear any debris.
Shower only runs hot or cold after installation	Hot and cold feed are incorrectly plumbed.
Shower does not run hot enough	Maximum temperature needs adjusting (page 7). Blockage in the hot supply. Incoming hot water supply needs adjusting.
Restricted or no flow	Possible blockage within check valves or supply pipework. Operation conditions are incorrect. Valve shut off has been activated due to a pressure drop in either hot or cold supply.

## Temperature Adjustment

The maximum temperature is factory set at 42°C. If you require, this can be altered by adjusting the thermostatic cartridge spline to get a higher or lower temperature.

Remove the handle on the thermostatic control. The stop ring (3) will be visible.

Remove the stop ring (3) from the spline (9), by loosening the set screw (1). Turn the shower flow control fully on.

Make sure the stop lug on the brass collar (5) is positioned at 12 o'clock. Be careful not to turn the spline (9).

Remove stop ring (3) turn clockwise and refit to spline to increase the temperature, or anti-clockwise to reduce the temperature.

Refit stop ring (3) to the spline (9) ensuring the red marks are aligned with the brass collar stop (5).

Refit handle in 12 o'clock position and secure.

Use a thermometer to check that the temperature has been adjusted to the required setting. Repeat adjustment process until the desired temperature has been reached.

**NB:** We recommend that the maximum temperature must never exceed 46°C.

## Maintenance

To clean the check valve mesh filters (12), turn off the water supply, remove the control handles and cover plate.

Unscrew the check valve locking nut (10), remove the mesh filter (12) and clean with a brush and suitable de-scaler i.e. White Vinegar.

After cleaning, rinse with clean water and re-assemble in reverse order.

To de-scale the thermostatic cartridge, turn off the water supply, remove the control handles and cover plate. Remove the temperature locking ring (4) and the stop ring (3) from the spline. Then remove the brass collar (5) and thermostatic cartridge collar (6). Remove the gasket (8), and pull the thermostatic cartridge out of valve body.

Clean with a brush and suitable de-scaler i.e. White Vinegar. At this stage, it is recommended to flush the valve through. Turn on water supply slowly and allow water to flow through cartridge opening. Turn off water supply, and re-assemble in reverse order.

## Guarantee

We guarantee our products against faulty materials or manufacture for 10 years on all brassware products from purchase date, providing they have been installed, used and regularly maintained in accordance with our instructions.

All working parts that are subject to wear and tear, such as cartridges, seals etc. are covered for 36 months from purchase date.

Our guarantee applies to the original purchaser only and is non-transferable. Should you raise a claim, the issue will be investigated with our customer service department. As part of the investigation we request that the following conditions be satisfied;

- Proof of Purchase at time of claim.
- The product has been maintained and cared for in compliance with our instructions. (Including regular and appropriate cleaning.)
- The opportunity to inspect the product in the installed condition.

If in our opinion the product has been modified, misused or accidentally damaged, we can accept no responsibility for failure.

Faulty items will be replaced with our nearest equivalent product. Our policy is to replace just the damaged part where possible. Complete exchanges will only be made if the damage is extensive and irreparable.

Your proof of purchase acts as your guarantee.

This does not affect your statutory rights.

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

## Aftercare Instructions

These products have a high quality chrome finish and therefore we do advise that they are treated with care to preserve to quality of the chrome.

We recommend that you clean your products by wiping with a soft damp cloth. Any stains should be removed using a neutral washing up liquid.

We strongly advise against the use of all cleaning products that may contain abrasive chemicals that will damage the chrome.

If the above instructions are not followed, this will invalidate your guarantee in the event that the chrome is damaged due to cleaning with an abrasive chemical.

## Customer Service Department

If you require any further advise on this product, or require a spare component, please do not hesitate to contact our customer service team.

Tel: 01892 611240 | F: 01892 613000

E: [technical@purabathroomsgroup.co.uk](mailto:technical@purabathroomsgroup.co.uk)