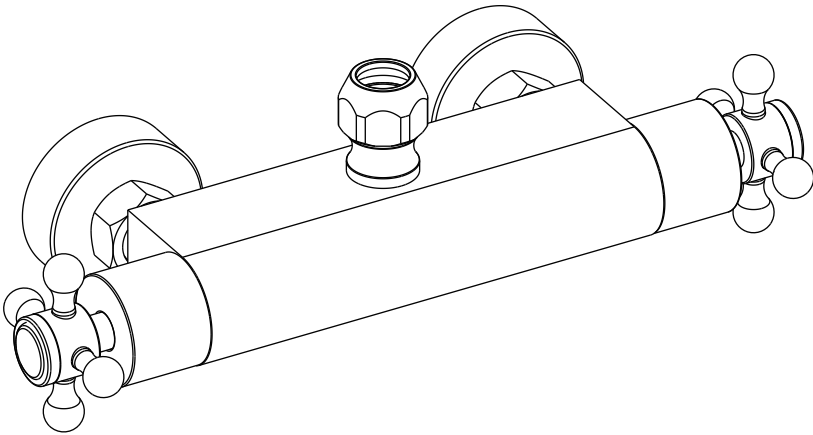


# CHATSWORTH

## Traditional Crosshead Top Outlet Thermostatic Bar Shower Valve



## Fitting Instructions

Please follow them carefully and  
leave this manual with end user

# Installation Guide

## Before you begin:

1. **We recommend that this product is installed by a qualified tradesperson.** Victorian Plumbing Ltd. accept no liability for products incorrectly installed, or where the correct testing procedures have not been adhered to, thus resulting in the escape of water and consequential damage.
2. Ensure the incoming mains water supply is switched off prior to commencing the installation.
3. Observe all local plumbing and building codes & regulations.
4. **Check the chosen wall space for any pipes/cables prior to drilling.**
5. Unpack the product then read these instructions before proceeding. Inspect the product for damage. If any damage is found, contact our Customer Relations team.

## Tool required for installation (Not Included):



Power Drill



Spirit Level



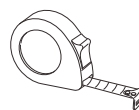
Wrench



Screwdriver



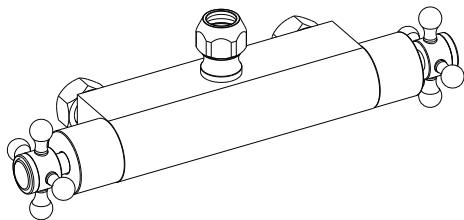
Pencil



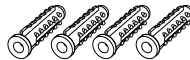
Tape

**\*Ensure the appropriate PPE is used during installation\***

## Fitting List:



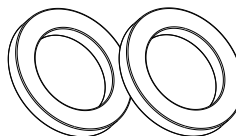
Bar Valve (x1)



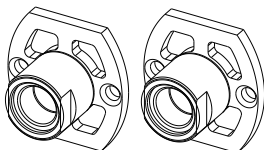
Rawl Plugs (x4)



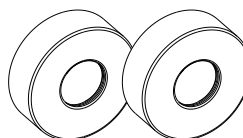
Screws (x4)



Washers (x2)



Fixing Brackets (x2)



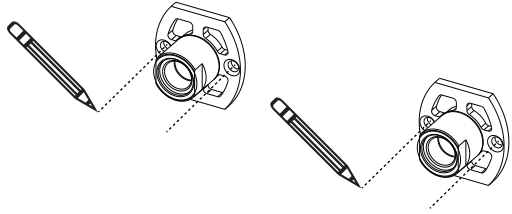
Cover Caps (x2)

Diagrams are for illustration purposes only. Your Thermostatic Bar Valve may superficially differ from this drawing however the installation guide steps still apply.

# Installation Diagram:

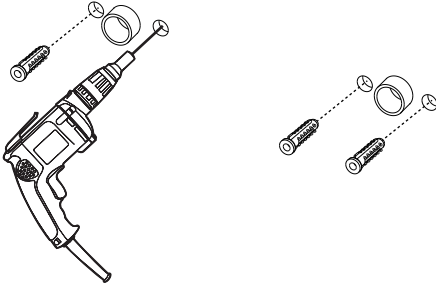
## Step 1:

- Place the 'Fixing Brackets' over the hot & cold outlets then using a pencil, mark the fixing points to the wall ready for drilling. Ensure the markings are level.



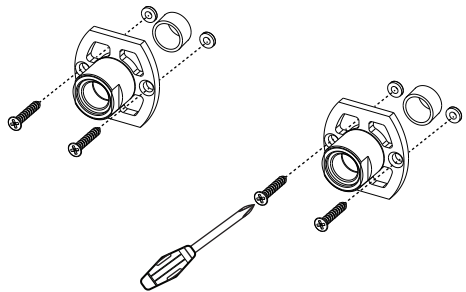
## Step 2:

- Place the 'Fixing Brackets' to one side. Using an appropriate sized drill bit, carefully drill the holes in the wall. Ensure that there are no hidden pipes/cables behind the wall markings. Insert the 'Rawl Plugs' provided into the drilled holes.



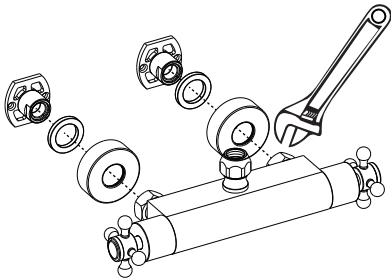
## Step 3:

- Place the 'Fixing Brackets' over the outlets. Using the 'Screws' provided, fix the brackets to the wall by screwing into the 'Rawl Plugs'. Check that the brackets are level using a spirit level.



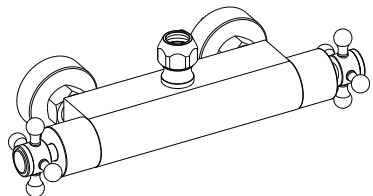
## Step 4:

- Slide the 'Washers' and 'Cover Caps' over the 'Fixing Plates'. Connect the 'Bar Valve' to the brackets, tighten the 'Bar Valve' with a wrench.



## Step 5:

- Turn on the mains water supply, check all joints and connections for any leaks. Ensure the water flow and temperature control are functioning correctly.

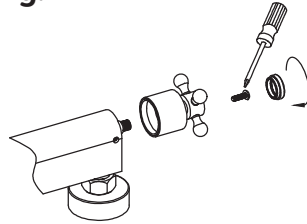


## Changing Thermostatic Cartridge

If you need to change the thermostatic cartridge, Please follow these steps:

1. Turn off the mains water supply, make sure the flow handle is turned off.
2. Take off the handle cap and remove the screw (**Fig. 1**).
3. Remove the temperature location ring (**Fig.2**), loosen the grub screw with an allen key and take out the cartridge (**Fig.3**).
4. Put the temperature location ring on the new cartridge (**Fig. 4**), make sure the temperature location ring is on the same line with the mark on the cartridge. Adjust the cartridge screw hole to line up with the valve screw hole (**Fig. 5**), then place the cartridge inside the valve. Tighten the cartridge with a grub screw (**Fig. 6**).
5. Turn on mains water supply, check the water flow and temperature control.

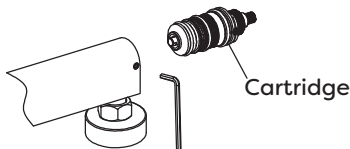
**Fig. 1**



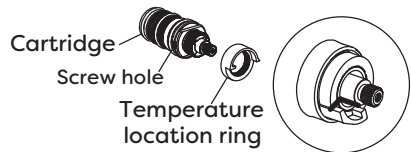
**Fig. 2**



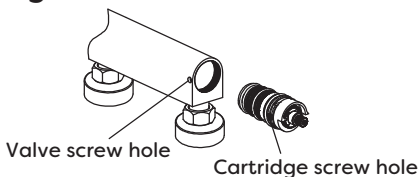
**Fig. 3**



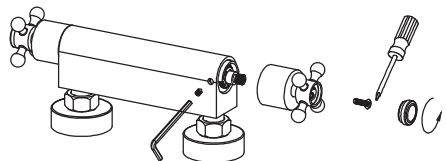
**Fig. 4**



**Fig. 5**



**Fig. 6**



### Notice:

Make sure the cartridge is at the original state and isn't turned, if the cartridge has been turned during assembling you can turn it back to its original state. Turn the mark on the cartridge back to the same line.

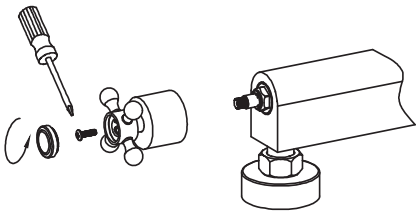
Check the 38°C mark on the handle and align the 38°C with the line mark on the cartridge. Assemble the handle with screw (Fig. 6).

## Changing Flow Control Valve

If you need to change the thermostatic cartridge, Please follow these steps:

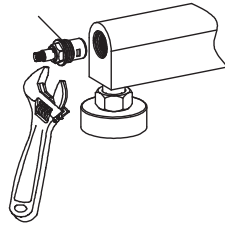
1. Turn off the mains water supply.
2. Take off the handle cap and remove the screw (Fig. 1).
3. Loosen the nut with a wrench and take out the flow control valve (Fig. 2)
4. Place the new flow control valve into the valve body and tighten the nut with a wrench (Fig. 3).
5. Turn on the mains water supply and adjust the valve to the off state using the handle (Fig. 4).

**Fig. 1**



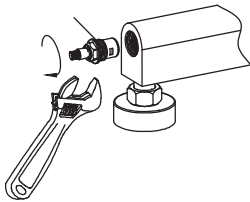
**Fig. 2**

Flow control valve

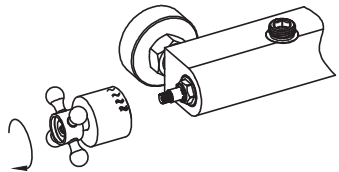


**Fig. 3**

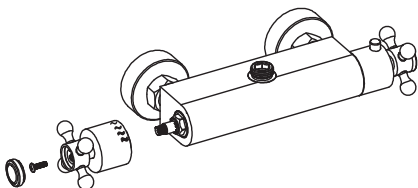
Flow control valve



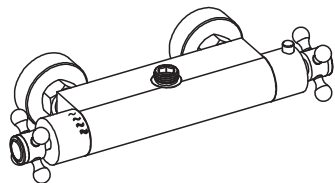
**Fig. 4**



**Fig. 5**



**Fig. 6**



## Changing Flow Control Valve Cont.

### Notice:

Avoid turning the valve again when re-assembling the handle.

Take out the handle to check that the flow mark is in the right position, then assemble the handle with screw (**Fig. 5** and **Fig. 6**).

## Important Information

### Operation Notice:

1. The work condition for use of this product is cold water 4-29°C, hot water 55-85°C and water pressure 0.5bar - 5bar. To avoid the differential pressure between hot water and cold water, the thermostatic cartridge is preferably under the condition of water pressure 3 bar, hot water 65°C and cold water 15°C.
2. Ensure that the shower valve is in the off position during periods of non-use.
3. Take measures to ensure the shower valve is not subjected to temperatures below 0°C freezing.
4. It is recommended that a qualified tradesperson should disassemble this valve.

### Aftercare:

Always clean the surface of shower valve to keep it bright. **Attention:** please do not use inappropriate tools such as sharp brushes, rough sponges, scouring pads or corrosive detergent to clean the shower valve. Please clean the shower valve with a wet cloth and soapy water after each time of usage. Then rinse the soap out with clean water and dry with a soft cotton cloth.

### Maintenance:

If the water flow is less than normal and temperature control is imprecise after a period of usage. It is often due to the poor water which blocks the small filter net. The cleaning method: first, turn off the main valve. Remove the control handles and cover plate. Then unscrew the end caps on the hot/cold water inlet sides of valve body with an Allen key. Now you can clean the small filter net with brush and vinegar. After completion, rinse it and reassemble all the parts back. Lastly, check the water flow and temperature control.

# Troubleshooting

FAULT	POSSIBLE CAUSE
Shower only runs hot or cold after installation	<ol style="list-style-type: none"><li>1. Hot and cold supplies have been plumbed the wrong direction.</li><li>2. Faulty thermostat.</li><li>3. Insufficient water pressure.</li></ol>
Shower does not run hot enough	<ol style="list-style-type: none"><li>1. Check the hot water supply temperature.</li><li>2. Maximum temperature needs adjusting, see temperature adjustment.</li><li>3. Blockage in the hot supply.</li></ol>
Hot water in cold supply or vice versa	<ol style="list-style-type: none"><li>1. Check and clean non-return valves.</li><li>2. Check Hot and Cold supplies have not been reversed during installation.</li></ol>
Low or no flow	<ol style="list-style-type: none"><li>1. Possible blockage/debris in the system.</li><li>2. Operating conditions are incorrect.</li><li>3. Valve shut off has been activated due to a pressure drop in either the cold or hot supplies.</li></ol>
Leaking when in the off position	<ol style="list-style-type: none"><li>1. Debris in the flow control cartridge.</li><li>2. Faulty control cartridge.</li></ol>
Fluctuating flow	<ol style="list-style-type: none"><li>1. Dynamic inlet pressure are not balanced.</li></ol>

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