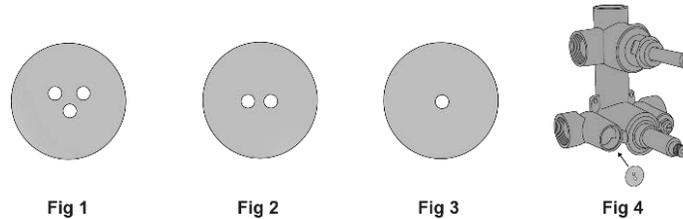


### Installation Guide

Follow these instructions before fitting the valve.

Prior to installation, please check that your plumbing system is adequate and that all pipes have been sufficiently flushed through.

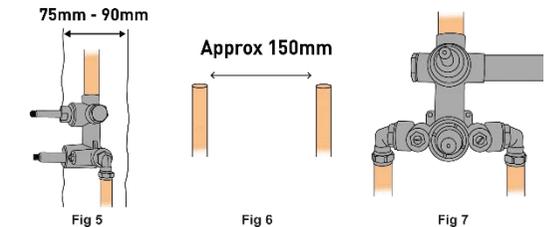
1. Turn off the mains cold water supply. The mains stopcock is usually found where the supply enters the building.
2. It is also recommend that any hot water heating systems are turned off.
3. Drain the hot and cold water systems. To ensure complete drainage, open all taps.



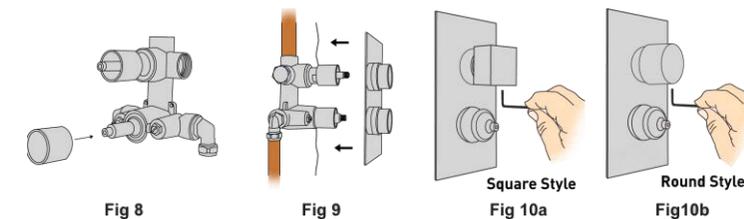
Pressure Balancing Your thermostatic mixer valve is designed to work best when the feed for both the hot and cold water are the same. Differences between the pressures of each feed can cause the flow of water to pulse through the valve as opposed to a constant, steady flow. This pulsing can be significantly reduced by putting one of the metal disks shown in figures 1-3 into the high pressure valve.

4. Unscrew the non return valve inspection cap, and place the disk under the non return valve (Fig 4) **NB Do not adjust the centre threaded screw as this is factory set.**

### Fitting The Mixer Valve



5. A rectangular hole approximately 200mm - 160mm diameter will be sufficient to fit the mixer valve. The valve should be fixed to the wall between 75mm and 90mm below the finished surface of the shower (Fig 5)
6. The supply pipework can be plumbed either from above or below but must finish at the suitable connections which will be approximately 150mm centres (Fig 6). Allowance should be made for some adjustment when fitting the valve.



### Plumbing Systems and Water Pressure

All products are suitable for all UK Water Authority supply pressures. If this valve is installed at low pressure (tank fed) then the minimum height from the outlet of the shower head to the underside of the cold tank should be 2.0 metres to ensure adequate performance.

This mixer should be installed in accordance with the current Water Regulations. Any claims that may arise will be dealt with on the basis that isolating valves are fitted.

### Water Pressure:

We recommend a minimum water pressure of 0.5 Bar and a maximum of 5 Bar to ensure efficient operation of your product.

### Cleaning/General Care

Chrome and Gold plated finishes should be cleaned with warm water and a soft cloth, rinsed and then immediately buffed with a dry soft cloth. Under no circumstances must any aggressive or abrasive cleaning agents be used. The use of any abrasive agents or materials will invalidate the guarantee.

Customer Care Helpline

Telephone: 01490 266060

Email: [technical@plumbworld.co.uk](mailto:technical@plumbworld.co.uk)

Concealed Shower Valve

7. Fit a male ¾" BSP elbow to 15mm or 22mm compression (not supplied) to both hot and cold inlets and the outlets, apply PTFE tape to seal the threads.

**NB It is recommended to apply PTFE tape to all threaded connections (boss white or other sealing compounds are not suitable)**

8. It is advised to fit the pipework and the wall arm (if applicable) prior to tiling.
9. The valve should be attached firmly between 75mm & 90mm below the finished surface to allow the cover plate to fit correctly, using the two fixing holes on the valve. Position the valve centrally between the feed pipes and mark the screw positions, drill & plug the wall
10. Make sure the mixer valve is kept in a clean place to prevent debris getting into the openings while fitting the pipework. Tiling behind the trim plate must leave sufficient access to the valve for servicing later.
11. Position the mixer valve onto the hot and cold water feed pipes and tighten the compression nuts (See Fig 7). Hold mixer valve in place and secure to the wall with screws.
12. Make sure the mixer valve hot feed is connected to the inlet marked hot and the cold inlet the one marked cold. The valve

will not work correctly if connected the wrong way.

13. Screw the two chrome cover sleeves onto both the control shafts (See Fig 8). This may have already been pre-assembled on some products.
14. Pipes must be fitted from the ¾" BSP female outlets of the mixer valve to the location at which you wish to position the wall outlet, overhead arm or other fittings. These pipes must end in ½" female connection so the wall outlet and overhead arm can be fitted.
15. Once the mixer valve and wall outlet are fitted, prior to fitting the trimplate, ensure all connections are watertight. This can be done by re-connecting the water supplies and checking all connections. To do this you must fit the diverter handle in the correct position so that 'off' is at the bottom. after pressurising the system and checking no leaks are present turn the handle to all other positions, checking each time there is no leak.
16. Return the handle to its original position and remove it.
17. The trimplate is fitted by pushing it onto the mixer until it is flush with the tiles (Fig 9).
18. Before assembling the valve controls identify all the parts and check that both

the red markings on the control shaft of the thermostatic control are inline.

19. Fit the on/off control knob onto the diverter (the top shaft with the 'off' at the bottom), push fully onto the shaft. Hold firmly in position and tighten the grub screw with allen key supplied (See Fig 10a/b).
20. Fit the flow control knob onto the diverter or on/off valve, push fully onto the shaft. Hold firmly in position and tighten the grub screw with allen key supplied (See Fig 10a/b).
21. Fit the temperature control knob at the top. Hold the control knob firmly by either fixing screw (screw driver) or grub screw (allen key).
22. Test water temperature by turning the flow control knob clockwise. Allow the water to stabilise, this should be at approximately 38 °C. Use a thermometer to accurately measure this temperature. If the temperature is not 38 °C you need to adjust the stop ring so it is in the correct position.
23. Fit/Screw chrome caps to the grub screw/fixing screw holes.

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