



THE RETAIL BRAND

TWIN & TRIPLE CONCEALED VALVE INSTRUCTIONS

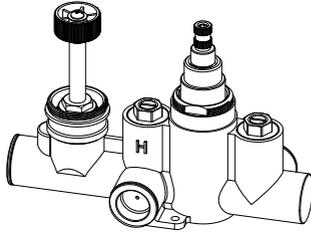
v3



Installer Notice
This Valve requires balanced
water pressures.

BOX CONTENTS

Two Handle Single Function

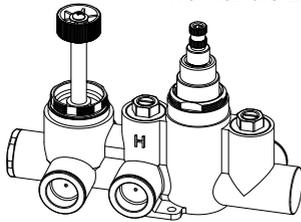


concealed body X1

screw X2

stop ring X1

Two Handle Dual Function

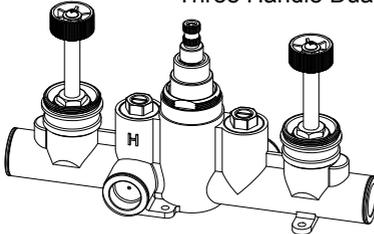


concealed body X1

screw X2

stop ring X1

Three Handle Dual Function

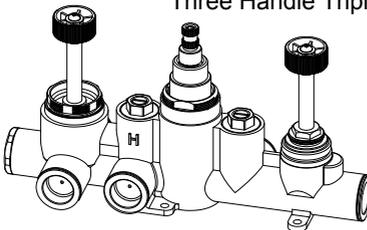


concealed body X1

screw X4

stop ring X1

Three Handle Triple Function

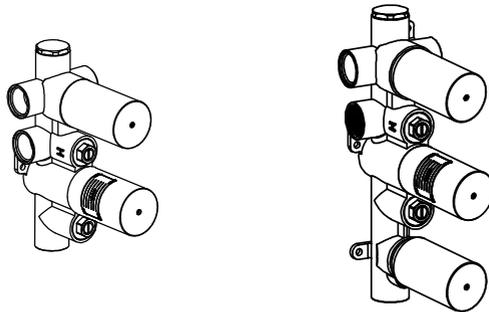


concealed body X1

screw X4

stop ring X1

CONCEALED TWIN & TRIPLE VALVE INSTRUCTIONS



PRESSURE BALANCING

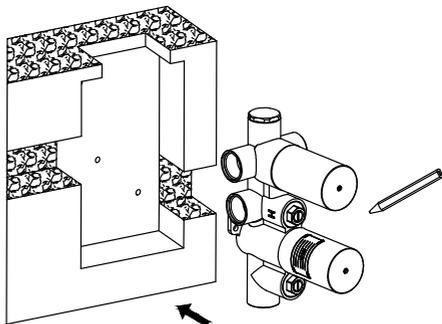
Your thermostatic control mixer valve is designed to work with balanced hot and cold water. Differences between the pressures of each feed can cause the flow of water to pulse, and/or cause fluctuating water temperature, in this event, pressure reducing valves should be used to balance the pressures (NOT SUPPLIED).

Unbalanced pressures can lead to the failing of the Thermostatic Cartridge.

Min Pressure	1 Bar
Max Static Pressure	10 Bar
Hot Supply Temp	55 - 65 °C
Cold Supply Temp	Max 25 °C
Mixed Water Temp	Max 44 °C

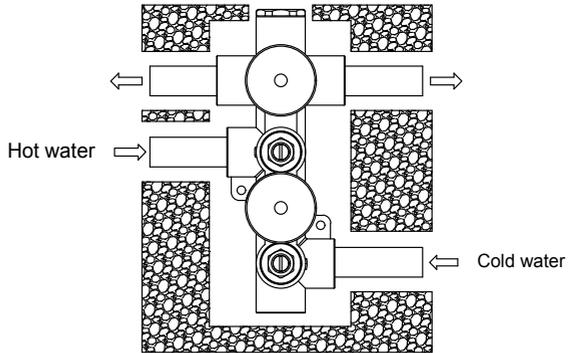
FITTING OF THE CONCEALED MIXER VALVE

1. Create a rectangular cavity in the wall where the valve is to be installed, (180mm x 70mm) for twins and (230mm x 70mm) for triples and between 75mm and 95mm deep.



2. The supply pipe work must finish at the suitable connections. Allowance should be made for some adjustment when fitting the valve.

- Fit a male 3/4 BSP elbow to 15mm/22mm compression fitting to suite the pipe work (not supplied) to both hot and cold inlets, apply PTFE tape to seal the threads.

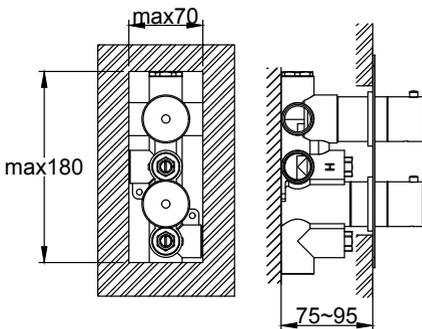
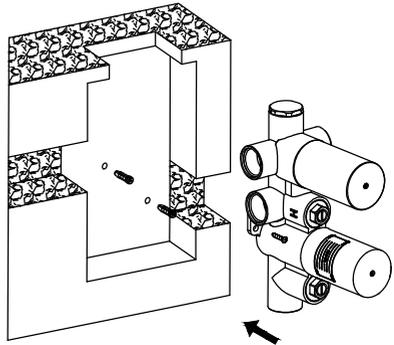


NB It is recommended to apply PTFE tape to all threaded connections (Boss white or other sealing compounds are not suitable)

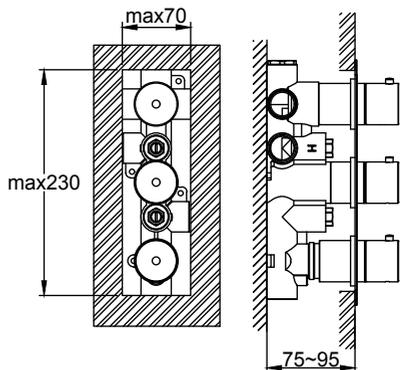
- Fit all other pipe work and connections at this time, prior to tiling.

- The valve should be attached firmly between 75mm & 95mm below the finished wall surface to allow the cover plate to fit correctly. Using the two fixing holes on the sides of the valve, position the valve centrally between the feed pipes and mark the screw hole positions, drill & plug the wall and fix accordingly.

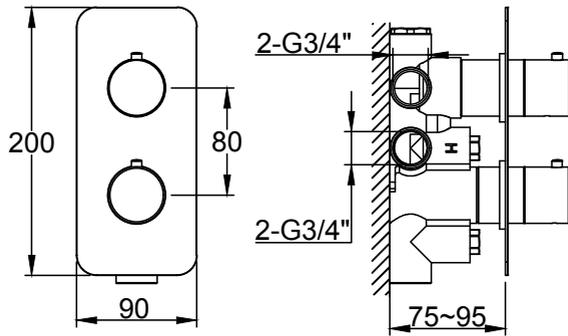
NB Make sure the mixer valve inlets and outlets are covered to prevent rubbish etc getting into the openings while tiling, and fitting the pipe work. Tiling behind the trim plate must leave sufficient access to service the valve.



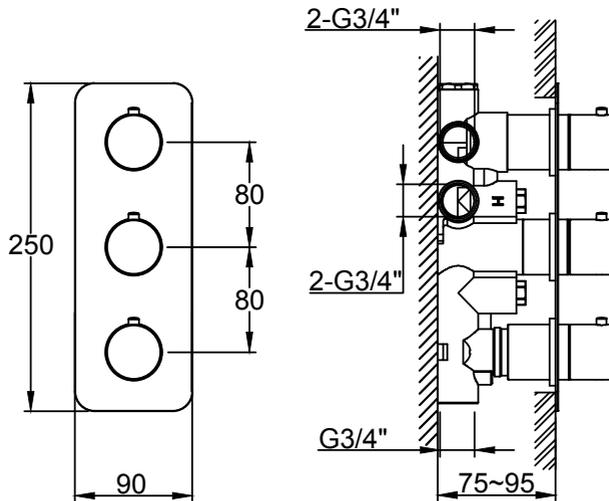
Twin Valve



Triple Valve



Twin Valve



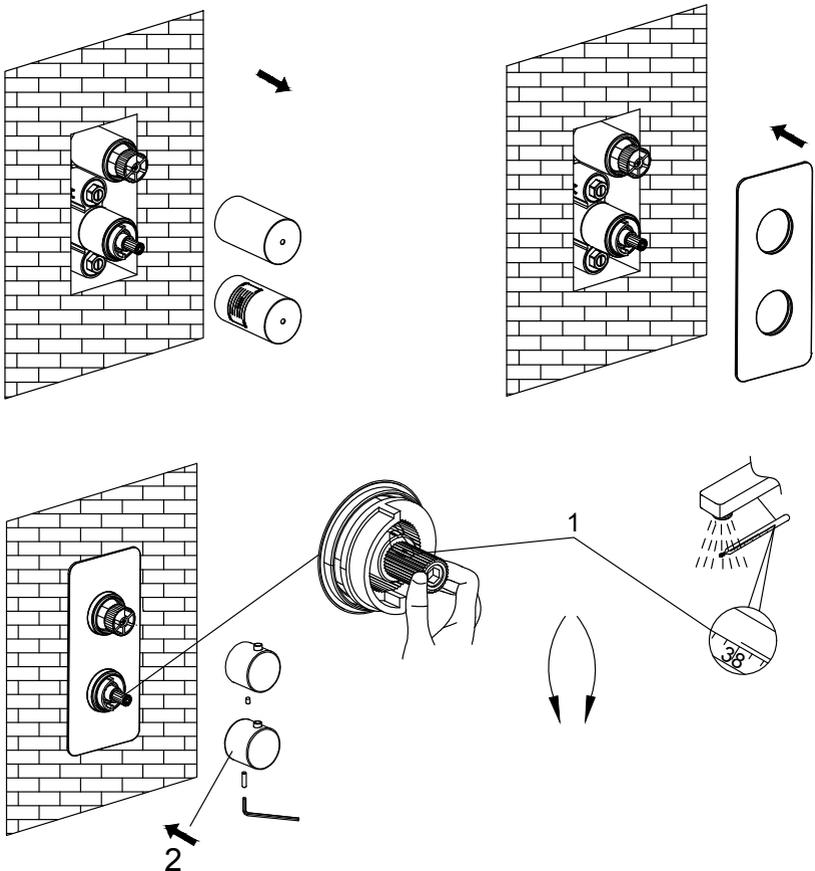
Triple Valve

6. Position the mixer valve onto the hot (left) and cold (right) water feed pipes and tighten the compression nuts. Hold mixer valve in place and secure to the wall with screws. Make sure the mixer valve hot feed is connected to the inlet marked hot (left) and the cold (right). The valve will not work correctly if connected the wrong way.
7. Screw the two cover sleeves onto the control shafts.
8. Pipes must be fitted from the 3/4 BSP female outlets of the mixer valve to the location at which you wish to position the wall outlet, overhead arm or other fittings, using the correct connections (not supplied). Blank off any unrequired outlets using provided blanking plug.

9. Once the mixer valve and wall outlets are fitted, and prior to fitting the cover plate, ensure all connections are watertight. This can be done by re-connecting the water supplies and checking all connections eg factory fitted valves etc are water tight. 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. Return the handle to its original position and remove.

NB We recommend that the valve is tested for 24 hours with periodic checks for leaks prior to final fix of cover plates.

10. The cover plate is fitted by pushing it onto the mixer until it is flush with the tiles. Apply silicone to hold the cover plate in place and seal to the tile.



NB Before assembling the valve controls identify all the parts and check that both the blue markings on the control shaft of the thermostatic control are inline.

11. 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.
12. Fit the stop ring into the lower shaft assembly with the notch at the bottom (See Fig 7).

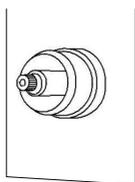
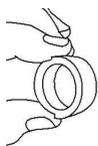


Fig 7

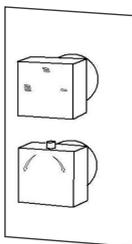


Fig 8a

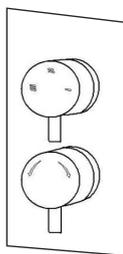


Fig 8b

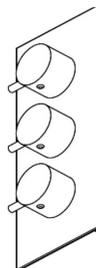


Fig 9

13. Fit the temperature control knob onto the lower shaft with the override button (if fitted) at the top. Hold the control knob firmly in position and tighten the grub screw with Allen key supplied.

NB 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, temperature can be altered by moving the stop ring clockwise/anticlockwise.

14. Fit caps to the grub screw hole for square style and fit control levers to circular style to complete valve installation (See Fig 8a/b).
15. For triple valves the temperature control is in the centre, with the on/off controls top and bottom (Fig 9)

Fault	Possible Cause
Shower only runs hot or cold after installation	<ol style="list-style-type: none"> 1. Hot and cold supplies have been plumbed the wrong way around. 2. Water Temps/Pressures
Shower does not run hot enough	<ol style="list-style-type: none"> 1. Check hot water supply temperature. 2. Maximum temperature needs adjusting, see temperature adjustment. 3. Blockage in the hot supply.
Hot water in cold supply or vice versa	<ol style="list-style-type: none"> 1. Check and clean non-return valves.
Low or no flow	<ol style="list-style-type: none"> 1. Possible blockage in the system. 2. Operating conditions are incorrect. 3. Valve shut off has been activated due to a pressure drop in either cold/hot supplies.
Leaking when in the off position	<ol style="list-style-type: none"> 1. Debris in the CD valve.
Fluctuating flow/temperature	<ol style="list-style-type: none"> 1. Inlet pressures are not balanced. 2. Incorrect supply pressure or/and temperature.



THE RETAIL BRAND