

## Commissioning & temperature resetting

Please ensure that the commissioning of the valve is done under normal operating conditions. The thermostatic mixing valve is supplied factory set at 38°C. To alter this setting, proceed as follows.

**Note: mix water temperature at terminal fitting should never exceed 46°C.**

The valve has been factory set under balance pressures and hot water supply at 65°C. When your specific operating conditions are significantly different from the above, the temperature of the water may vary from the setting.

When the difference is too great, you can adjust the calibration of the valve to suit individual requirements of the installation:

1. Select 38°C or the arrow on the handle and check the temperature of the water being delivered to the outlet with a thermometer.

2. If the temperature is unacceptable, proceed to reset the calibration as follows: Remove the temperature control handle by unscrewing and removing the lever, using the supplied hexagonal key to loosen the grub screw and pull off the handle (do not remove the plastic stop ring).

Turn the spline of the valve clockwise to decrease the temperature and anti-clockwise to increase the temperature until 38°C is achieved.

3. Ensure that the stop on the stop ring is at 12 o'clock and replace the handle with the temperature override button also pointing at 12 o'clock, being careful not to turn the spline of the valve. The valve setting is now calibrated to suit your requirements.

A digital hand-held thermometer should be used to measure the outlet temperature correctly, which must not exceed 38°C.

Once the correct outlet temperature has been achieved, the valve's internal mechanism should be exercised at least three times by alternately isolating the hot and cold supplies.

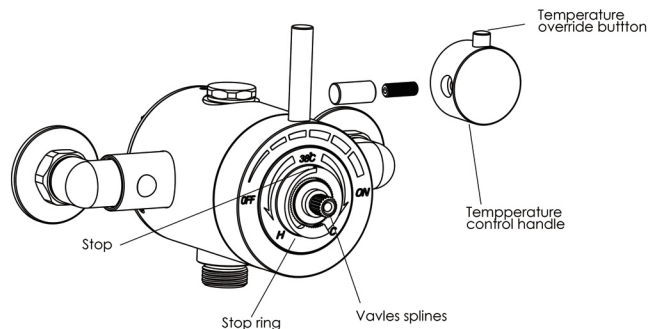
This will cause the piston to travel its full stroke and will ensure that the valve is operating correctly. If the set temperature has drifted after this operation, then the commissioning operation should be repeated.

Once the valve has been commissioned, a fail-safe shut off test should be performed. Isolate the cold supply. The flow should reduce to a trickle within a couple of seconds depending on site conditions.

If the temperature has not altered, repeat the test for the hot supply. If either fail-safe function does not operate, ensure that supply pressures and temperatures are within the valve's normal operating parameters. In addition, check that the hot supply temperature is at least 10°C above the valve's set mixed outlet temperature, i.e. hot to mix differential temperature.

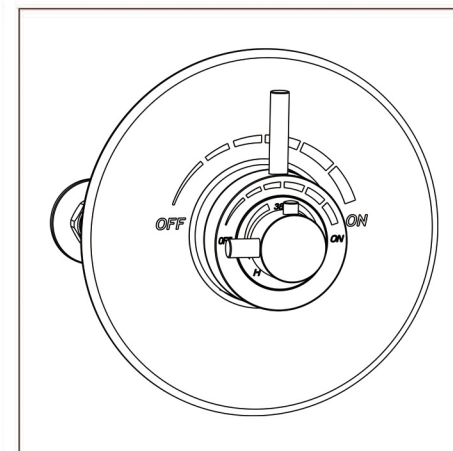
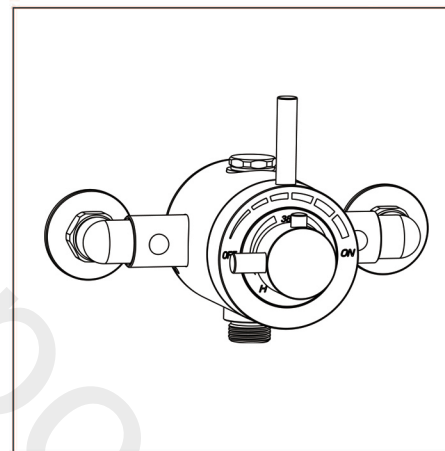
If this is not the case, then the valve will be slow to shut down on cold water failure.

For optimum performance, it is recommended that dynamic pressures be as close as equal as possible. If the dynamic pressures are outside a 10:1 ratio, then a pressure-reducing valve should be fitted to the higher supply pressure or, if preferred, the lower supply pressure boosted.



# Exposed & Concealed

## Shower valve



Handles & Concealing Plate may vary, depending on model chosen.

## Traditional & Minimalist showers

# INSTALLATION GUIDE

### IMPORTANT-Please read

Please read these instructions carefully before starting installation and keep for future reference.

### Operating Specifications

Hot water supply temperature

Maximum: 85 °C

Minimum: 10 °C higher than the maximum required mixed temperature(recommended 65 °C )

Operating Pressures:

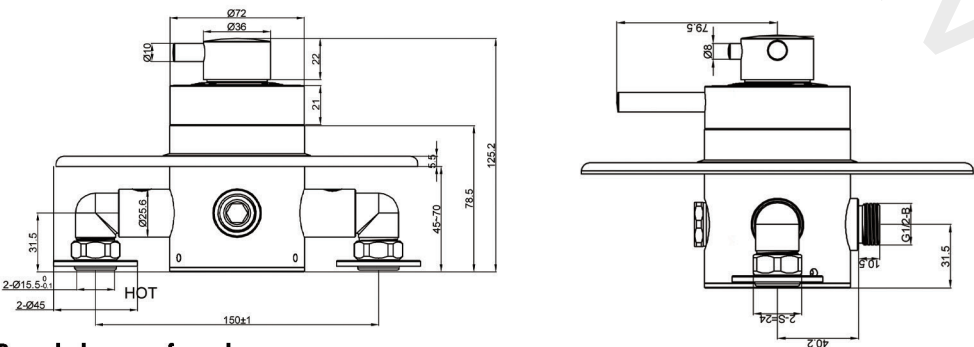
Maximum operating pressure 5 bar

Minimum operating pressure 0.5 bar

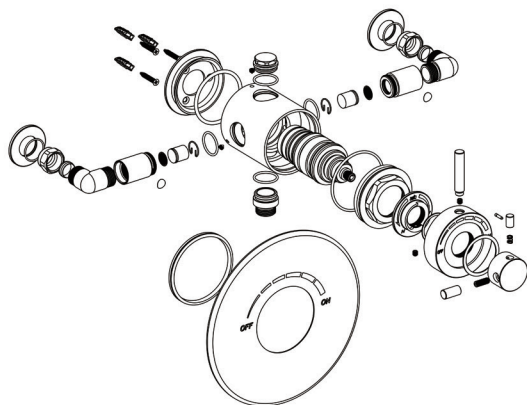
### WARNING

Before installing the new mixer it is essential that you thoroughly flush through the supply in order to remove any remaining swarf,solder or other impurities. Failure to carry out this simple procedure could cause problems or damage to the working of the mixer. This hints have been prepared for your guidance,you must exercise due care all the times. We do not accept responsibility for any problems that may occur through incorrect installation.

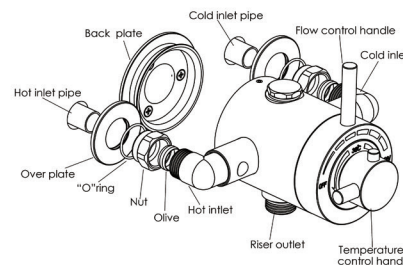
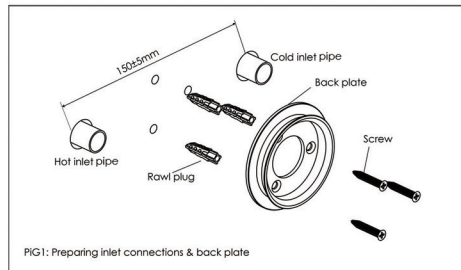
### TECHNICAL DETAILS Dimensions in mm



### Breakdown of parts



### INSTALLATION



Remember to turn off the mains water supply before connecting to any existing pipe work.

Warning!Please check for any hidden pipes and cables before drilling holes in the wall.

### Preparation:

Prepare the supply pipes(hot on the left and cold on the right)at the required height with a width of 150mm centres,making the ends of the pipes 15mm out from the face of the wall ,

Remove the nuts and olives and place the valve over pipes,mark the position of the back plate and remove .Remove the back plate from the valve by loosening the grub screw underneath,position of the 4 holes.Drill the 4X6mm holes to a depth of 40mm and insert the wallplugs. Fix the back plate to the wall with the supplied screws.

Slide the cover plates on to the nuts and position on to each pipe with the cover plate against the wall,slide an olive onto each pipe.push the valve over each pipe and into the back plate,tighten the 2 nuts on to the hot and cold inlet,and then the grub screw underneath the valve.Finally connect the valve and the riser.

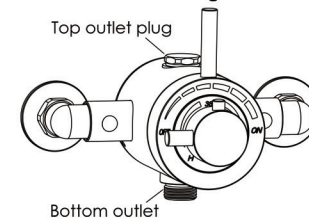
### OUTLET CHANGE

Changing bottom outlet to a top outlet.

The valve is received with the outlet at the bottom for hose connection.if you require an outlet at the top,as shown in the figure here below,you will need to change the outlet position.

To do this follow the steps below.

- 1.Unscrew bottom outlet from the valve,using a spanner.
- 2.Unscrew the top outlet plug from the valve using a spanner.
- 3.Fit plug into the hole at the bottom of the valve and tighten.
- 4.Insert the outlet into the top of the valve and tighten.
- 5.Fit riser pipe and check for leaking.



### IMPORTANT

DO NOT SIMPLY TURN THE VALVE OVER TO CHANGE THE OUTLET POSITION