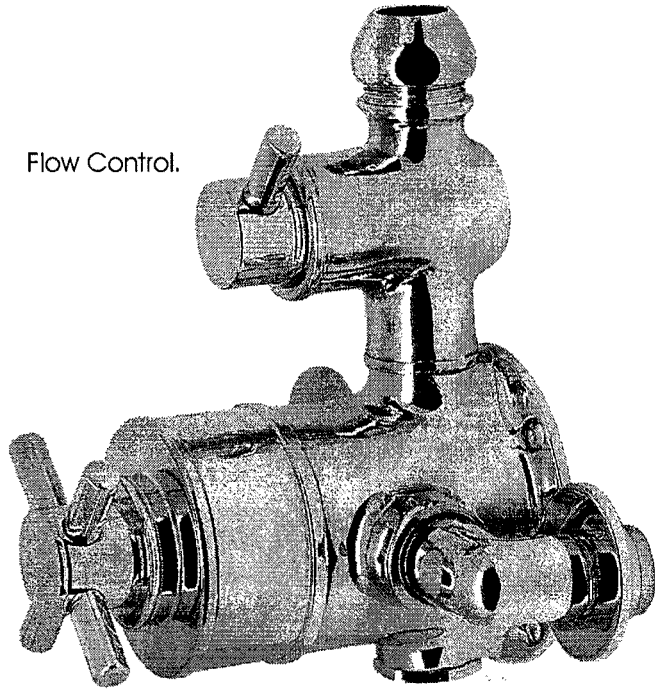


Exposed Thermostatic Shower Valve.

Flow Control.



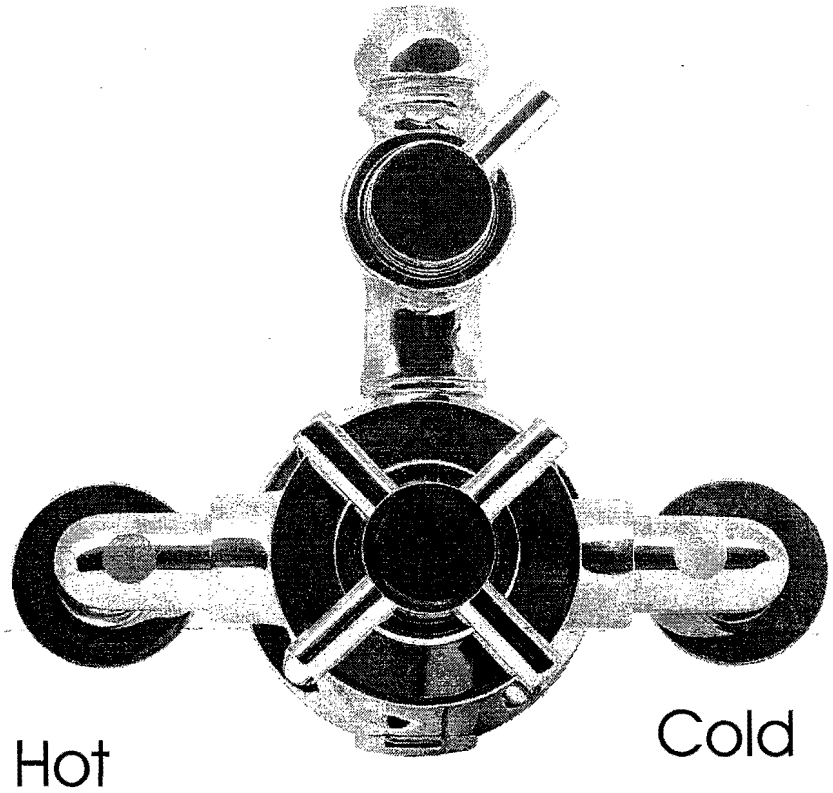
Temperature Control.

Please read these instructions in full before commencing any installation. After the work is completed, pass these instructions on to the end user for their future reference. We recommend that before tiling or finishing, you ensure that the valve is operating correctly and that there are no leaks. Please note that in order to service these valves, you must allow adequate access from the front in order to remove the cartridge locking ring or removing the check valves.

Most problems with any thermostatic valve are caused by debris from new pipework getting into the thermostat when it is first installed. It is important to flush out all new pipework before commissioning. This thermostatic valve is suitable for use with all water systems up to a maximum operating pressure of 5.0 Bar, (beyond which we recommend pressure reducing valves be fitted)

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DESCRIPTION

The Valve is a thermostatically controlled shower valve. Temperature is controlled by a wax cartridge thermostat, which will maintain a constant temperature and compensates automatically for fluctuations in HOT and COLD inlet pressures. Should either HOT or COLD supplies fail, the valve will shut down almost instantly to avoid any risk of scalding. A simple quarter turn ceramic disc valve controls flow.

WATER SYSTEMS

The Valve is suitable, without modification, for all types of installation, including pumped gravity systems, mains pressure and combination boilers.

INSTALLATION

The valve must be installed with the outlet pointing upwards, the HOT water coming in on the left and the cold on the right. The inlet elbows are fitted with 15mm olives and compression nuts. It is important that all new pipe work should be thoroughly flushed through before connecting the valve.

TEMPERATURE SETTING AND ADJUSTMENT

AFTER INSTALLATION THE VALVE MAY NEED THE MAXIMUM TEMPERATURE RESETTING.

Unscrew temperature knob cover. Pull off temperature knob. Rotate the thermostat spindle (clockwise for cold and counter clockwise for hot) until the desired showering temperature is reached [normally about 42°C.] Then line up the stop on the inside of the knob to the right hand side of the moulded stop on thermostat. Replace cover.

MAINTENANCE

The valve is extremely easy to maintain. The temperature and flow are controlled by separate One piece cartridges, which are easily removed from the front of the valve for cleaning or replacement.

TROUBLE SHOOTING

After having produced thousands of Thermostatic Valves, we are able to pinpoint the following problems and solutions, which have occurred. These will cover 99% of cases.

- 1) After installation shower only runs HOT or COLD and will not mix.
Solution: Hot & cold supplies are plumbed the wrong way round.
Remove the thermostat and refit with the locating peg pointing downwards.
- 2) Shower will not run hot enough when first installed.
Solution: Maximum temperature setting needs adjusting as above.
- 3) Cold water tracking through the valve into the hot system.
Solution: This is prevented in the Valve by Check Valves in the Inlets.
Check and clean check valves.

Maintenance and Servicing.

The Exposed Thermostatic Valve should give many years of trouble free service, but in the event of failure, servicing is straightforward.

Check Valves.

The Check Valves stop cross flow between the Hot and Cold supplies and are fitted inside the inlets

Thermostatic Cartridge.

To remove the Thermostatic cartridge, Unscrew the temperature knob cover and pull off the temperature knob. Gently pull off the plated retaining nut cover and undo the 52mm AF Clamp nut and pull the cartridge out. Be sure to re-fit the cartridge with it's locating lug pointing downwards.

Flow Control Cartridge.

The flow control cartridge uses ceramic discs which will normally last indefinitely unless debris manages to get between the ceramic discs.

To remove. Use a suitable tool to unscrew the cartridge.
(17mm A.F.)

Commissioning Procedure for TC Trend/Kensington Shower Valves

- REMOVE THE TEMPERATURE CONTROL HAND-WHEEL
- YOU WILL NOW BE ABLE TO SEE THE BROWN THERMOSTATIC CARTRIDGE. SCREWED TO THE END OF THIS CARTRIDGE IS A BRASS BEZEL.
- TURN THIS BRASS BEZEL FULLY CLOCKWISE UNTIL IT HITS THE SAFETY STOP ON THE BROWN CARTRIDGE. THEN UNDO THE SILVER SCREW SECURING THE BEZEL, AND SLIDE THE BEZEL OFF.
- REFIT THE BEZEL, BUT REPOSITION IT SO THAT IT IS NOW ON THE OTHER SIDE OF THE STOP.
- TURN THE BEZEL A FULL TURN CLOCKWISE. SLIDE THE BEZEL OFF AGAIN AND REPEAT WITH ANOTHER FULL TURN CLOCKWISE.
- THE CARTRIDGE SHOULD MAKE A CLICKING NOISE WHICH INDICATES IT IS BACK TO FACTORY SETTINGS.
- IF IT DOESN'T MAKE A CLICKING NOISE, TURN ANOTHER FULL TURN CLOCKWISE. WHEN THE CARTRIDGE HAS CLICKED, TURN THE WATER ON AND LET PLENTY OF COLD WATER RUN THROUGH THE VALVE.
- YOU CAN NOW CALIBRATE THE VALVE TO YOUR HOT WATER SYSTEM.
- THE BRASS BEZEL THEN NEEDS TURNING ANTI-CLOCKWISE TO BRING SOME HOT WATER THROUGH.
- ONE FULL TURN ANTI-CLOCKWISE UP TO THE STOP MAY NOT BRING ANY HOT WATER THROUGH ON THAT TURN. REMOVE THE BEZEL AND SLIDE BACK ON ANTI-CLOCKWISE PAST THE STOP AND GIVE IT A FULL TURN ANTI-CLOCKWISE. THIS TURN SHOULD FETCH HOT WATER THROUGH.
- THEN FINE TUNE BY ADJUSTING UNTIL THE WATER TEMPERATURE IS TAKEN TO JUST A LITTLE HOTTER THAN NORMALLY DESIRED.
- YOU MUST THEN REFIT THE BRASS BEZEL TO THE RIGHT HAND SIDE OF THE SAFETY STOP.
- IMPORTANT-ENSURE THAT THE WATER TEMPERATURE ON THE VALVES HOTTING SETTING IS NOT SO HOT THAT IT MAY SCALD THE END USER.
- RE-FIT THE TEMPERATURE CONTROL HANDLE.