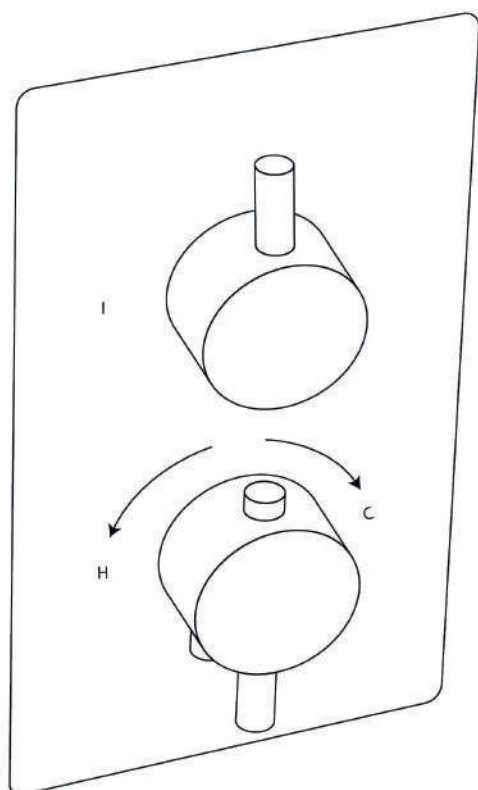


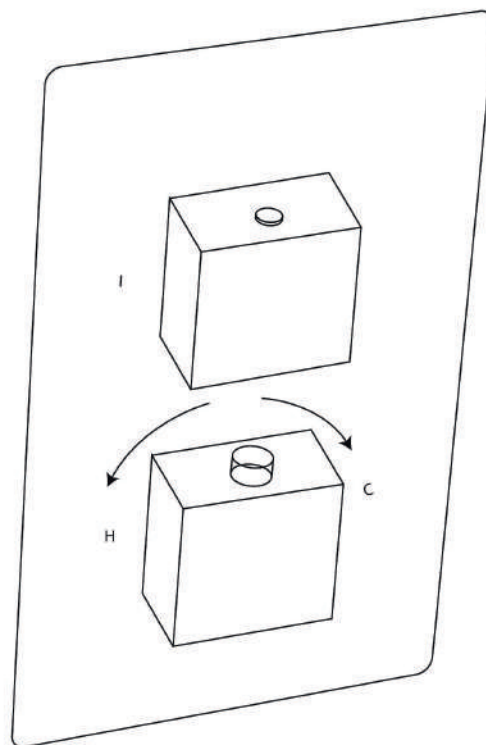
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INSTALLATION MANUAL



CO019



TO019



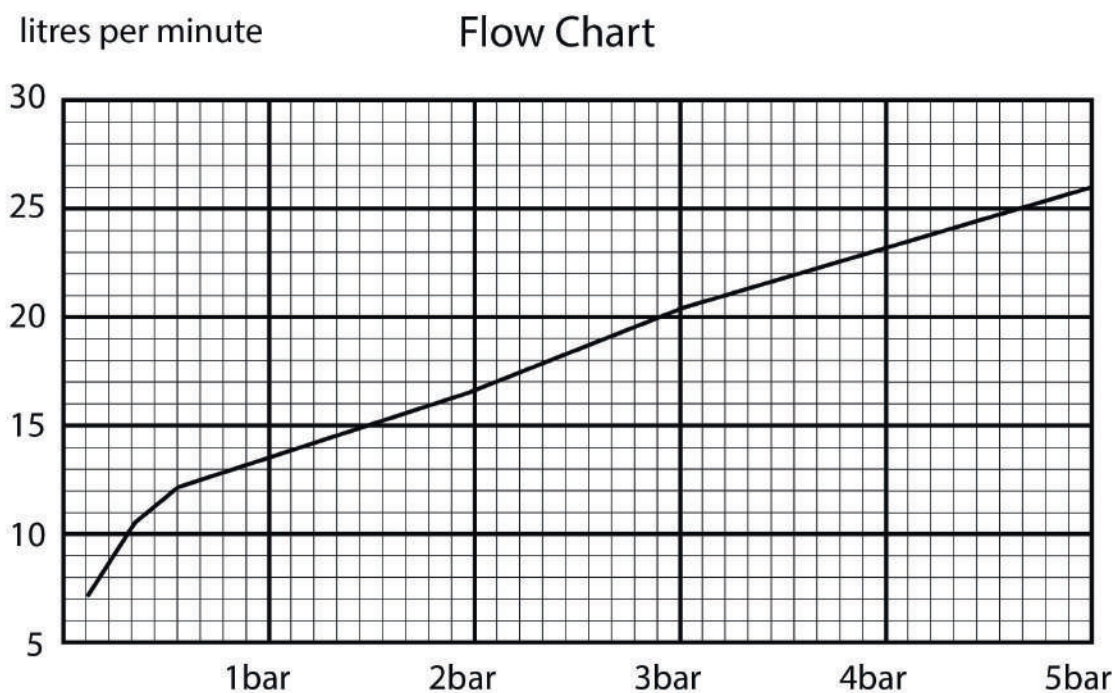
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INTRODUCTION

For effective operation of the thermostatic valve, the required pressure ranges from 0.2 to 5 bar (see graph) and there is also need for a reasonably balanced supply. Where higher pressures are available, it necessitates the use of Pressure Reducing Valves.



The valve is installed using WRC accepted single check valves in order to avoid cross flow problem of the cold and hot supplies.

The valve has 1 outlet (as shown in page 2) and 2 controls.

Top control	1 Way	Left = Outlet #1, Middle = No supply (Off), Right = Outlet #2
Bottom control	330°	Adjustable temperature setting

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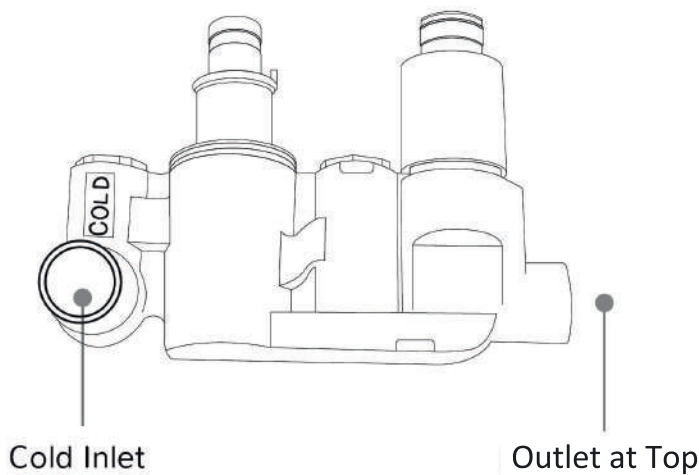
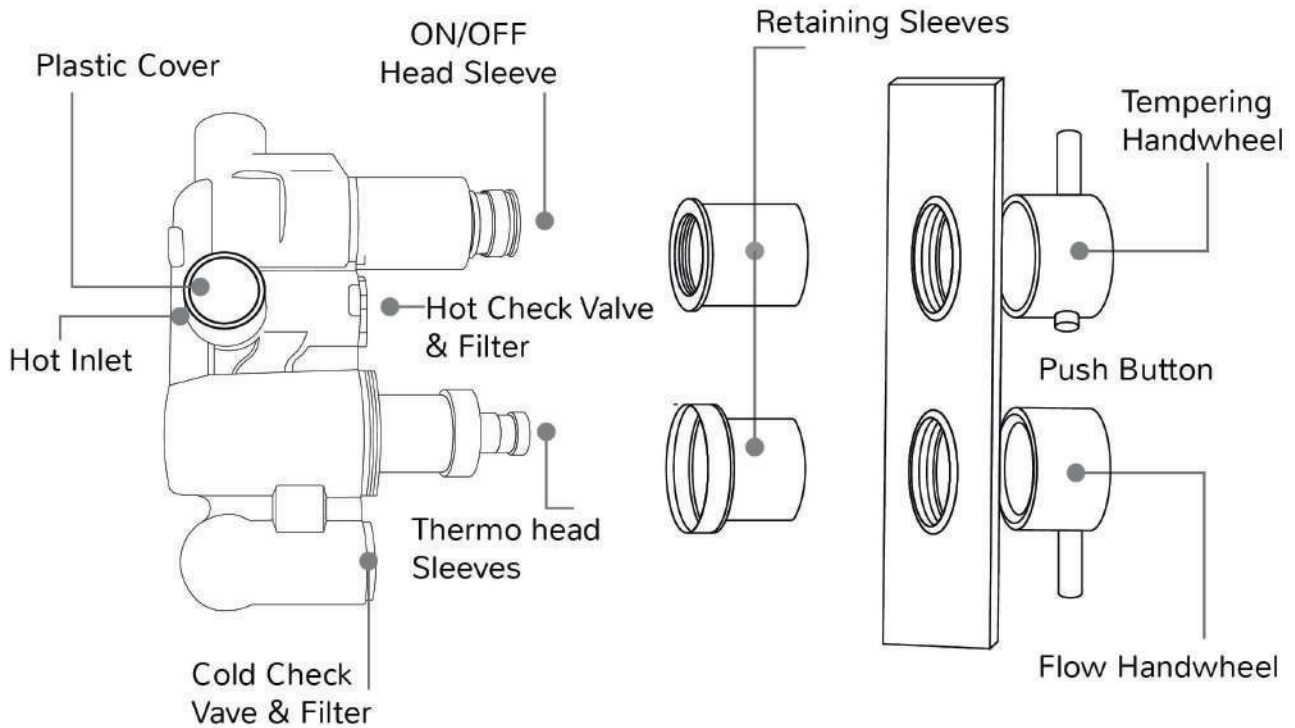
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PARTS & CONNECTIONS

For effective operation of this thermostatic valve, the required pressure ranges from 0.2 to 5 bar (see graph) and there is also need for a reasonably balanced supply. Where higher pressures are available, it necessitates the use of Pressure Reducing Valves.

LEFT SIDE



Temperature Control Cartridge



RIGHT SIDE

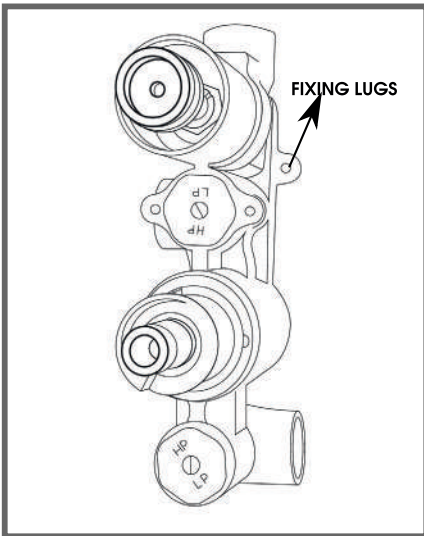
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INSTALLATION

For effective operation of this thermostatic valve, the required pressure ranges from 0.2 to 5 bar (see graph) and there is also need for a reasonably balanced supply. Where higher pressures are available, it necessitates the use of Pressure Reducing Valves.



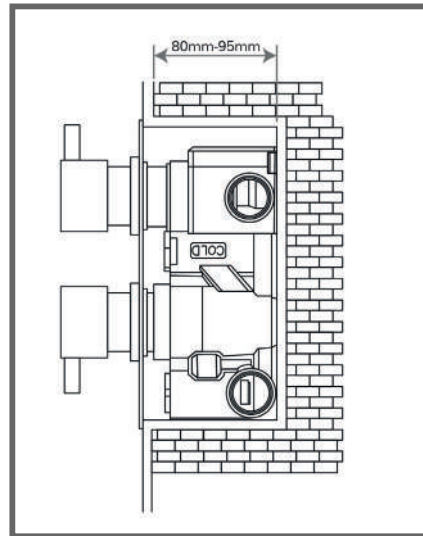
FIXING LUGS

- In order to prevent damage during installation, loose out the screws to remove the two sleeves holding the chrome from the valve.

- At the point where the valve is to be positioned, place it on the wall to mark out the two fixing positions through the mounting lugs.

- With the use of appropriate fixings, position the valve onto the wall such that there is sufficient depth after tiles and plasterboard etc. (observe the diagram below)

- Make sure that the 2 check valves and 2 controls can be accessed from the front.



DEPTH

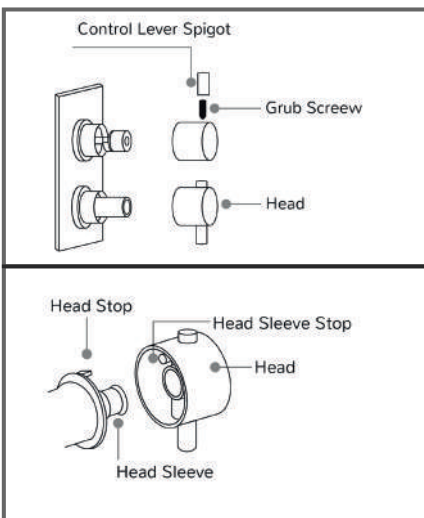
- Allow flow through all supplies to observe for leaks

- Flushing the system to free it of debris is an important step. For this step, you will need to follow the instruction with the heading "Check Valve maintenance" on page 6.

- Screw the sleeves holding the chrome onto the valve, and then use a narrow silicon bead to mount the faceplate, pushing it level to the wall for proper sealing.

Use 1/2" BSP male connectors for the termination of all pipe work during installation. Join all brass to brass threads with joint sealant.

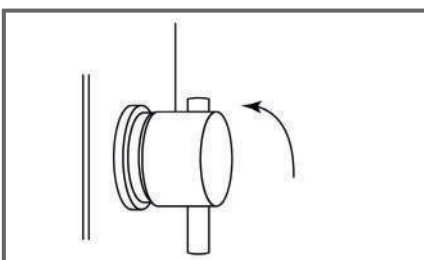
MOUNTING THE HEADS



- In order to mount these heads on the Head Sleeve, there is need for an appropriate location that will match with those of the indicators marked out on the faceplate.

- A grub screw secures them to the head sleeve and the hex key used in tightening the grub screw provides cover with a sleeve that is used as the control lever.

- Following the clockwise direction, rotate the top control to the position. Mount the head, using the grub screw to secure it, and then control the pointing lever to 12 o'clock; with (0) turned to 9 o'clock and (I) for ON.



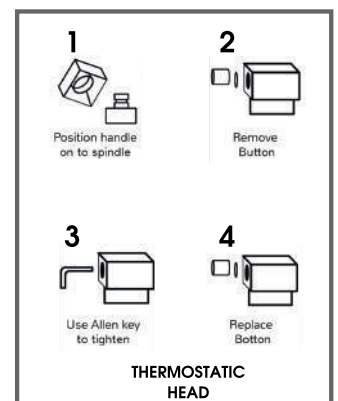
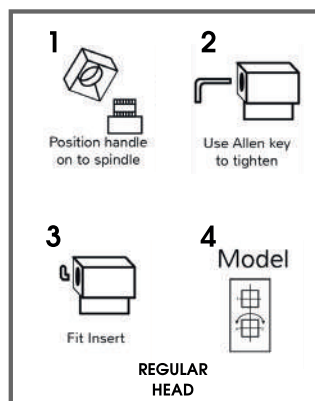
TEMPERATURE CONTROL SETTING

- Thermostatic body Preset (38oC)

- If temperature is insufficient, press down the button positioned on the handle, and move in the anti-clockwise direction.

NOTE: Return to original position after use to avoid hurting others with the hot water.

MOUNTING: REGULAR vs THERMOSTATIC



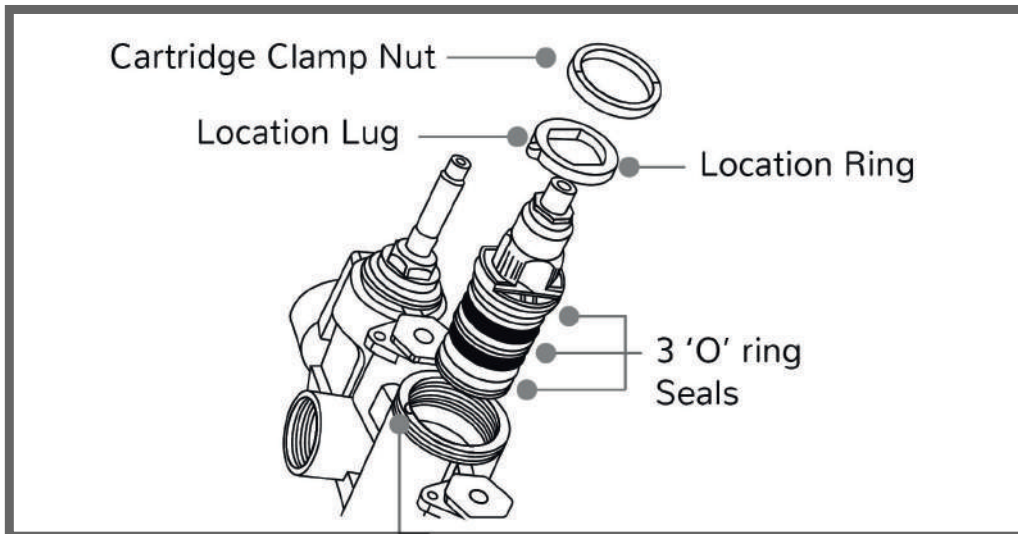
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CARTRIDGE MAINTENANCE

The cartridge to be used should be trouble free, but if it fails, servicing is easy.



Secure the valve by screwing the clamp nut of the cartridge. Finally, the fixed top should be refitted appropriately. Fit the Head and Head sleeve using the instructions for temperature setting.

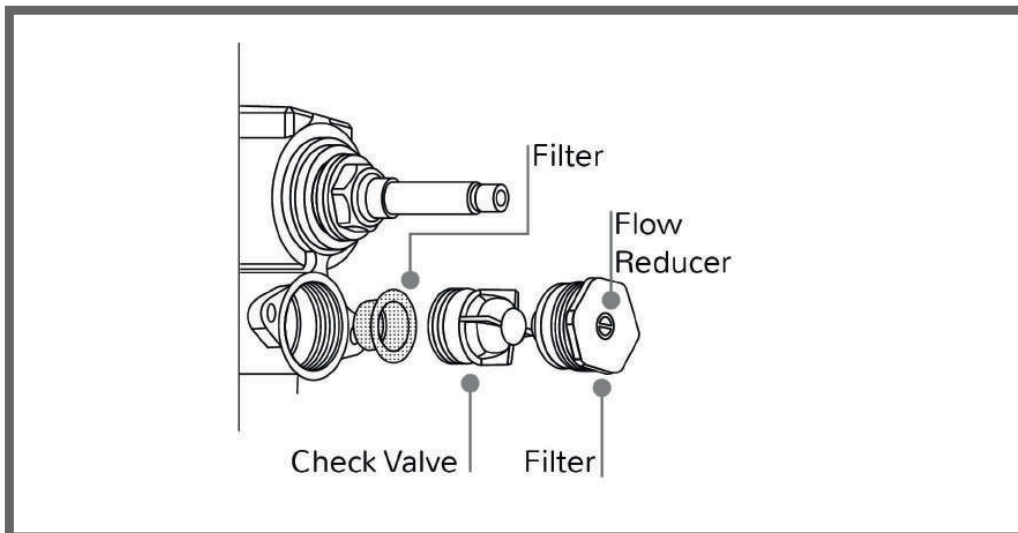
THERMOSTATIC VALVE

Except in a case where there is a tool to unscrew the clamp nut of the cartridge and keep the chrome retaining sleeves undamaged, there is need to remove the Faceplate and Retaining sleeve in order to gain access to the Thermostatic Cartridge.

With the orientation noted, remove the Head, Head sleeve as well as the Fixed stop. Screw out the clamp nut of the cartridge and remove the cartridge from its valve with the use of a remounted Head sleeve when necessary. Still keeping orientation in mind, you can now remove the locating ring and wash the cartridge under clean running water.

Ensure that the valve is free of debris and lightly apply silicon grease to the seals.

Now, appropriately remount the locating ring, and fit back the cartridge, making sure that you completely push it home.



CHECK VALVE

There is need to remove the already installed Faceplate in order to gain access to the Check Valve. Also, screw out the caps covering the cold and hot check valves and use a plier to remove the Check valves, which is characteristically known as a non-return valve.

Turn on the supplies to run a flush through the installation. Run water through the filter to clean it and refit appropriately after applying silicon grease to the 'O' ring seals on the check valve and cap. The Cap has a screw on the front, which is factory set, and will not usually require adjustment.

However, the flow is reduced when the screw is turned in the clockwise direction and a further turning in the same direction stops the flow.

TROUBLESHOOTING

Apart from using a soft damp cloth, no other cleaning method is required

SYMPTOM	SOLUTION
Inappropriate supply of hot and cold water after installation	Wrong plumbing of hot and cold supplies. Switch the supplies
Hot supply from the shower is inadequate just after installation	You need to adjust maximum temperature. See "Temperature Setting"
Cold water running into hot water system through the valve	Carry out a Check Valve cleaning. See "Check Valve Maintenance"
Extremely low or no flow at all (gravity)	Carry out a check on the cold and hot supplies. (valve automatically shuts down when either of the supplies fail)