

INTRODUCTION

Please read through the instructions carefully and keep safe for future reference.

All installations must comply with Local/National Water Supply Authority regulations/bye laws and Building and Plumbing Regs UK:BS6700.

This thermostatic valve is a blending valve and requires the water supplies should be reasonably balanced. Pressure reducing valves should be fitted where this is a concern. The maximum operating pressure is 5 bar and 10 bar static pressure – ***pressure reducing valves must be fitted if these pressures will be exceeded.***

This valve is fitted with single check valve cartridges in the hot and cold inlets which prevent cross flow of the supplies in the thermostatic cartridge. It is recommended that isolating valves are fitted to both inlet feeds to allow easy maintenance.



Ensure the water supply is turned off before connecting to any pipework.

Check for hidden existing pipework and electrical cables before drilling the wall.

Always leave access to the front of the valve for servicing.

INSTALLATION

Position the valve body and mark the fixing holes and mount using suitable fixings. The valve body can be mounted either horizontally or vertically depending on installation requirements.

The valve must be mounted the correct distance back from the finished wall (including any filling, wallboard, tiling etc) min. 91mm to max. 109mm see diagram (see Fig 1)

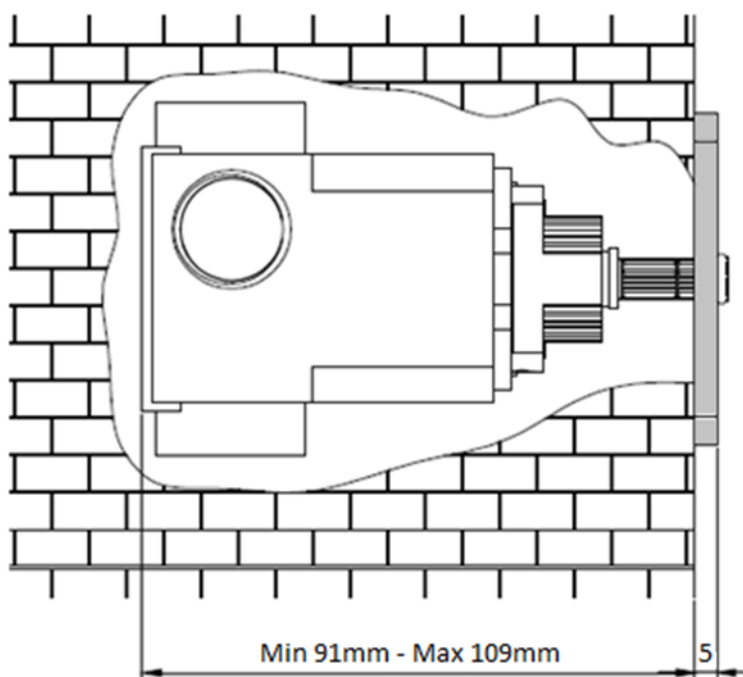


Fig 1



Ensure access is left to the cartridges and check valves for future maintenance.

Blank off the inlets and outlets during installation to prevent debris from entering the valve.

Once all connections have been made turn on the supplies and test for any leaks. Remove check valves and flush out to remove any installation debris, flush the valve body and replace check valves.

A small bead of silicon sealer should be applied to the rear of the trim plate prior to fitting to seal and secure the plate. Once the trim plate is in place fit the rubber O ring on to the splined extension piece, this acts as a spacer to prevent the control handle from rubbing on the trim plate which may damage the trim plate finish.

The control handles are fitted by pushing on to the splined shaft and tightening the grub screw to secure. **(see Fig 2)** Depending on the depth the valve has been recessed in the wall it may be necessary to cut the splined extension shaft, there are guide cut lines machined into the shaft for this purpose.

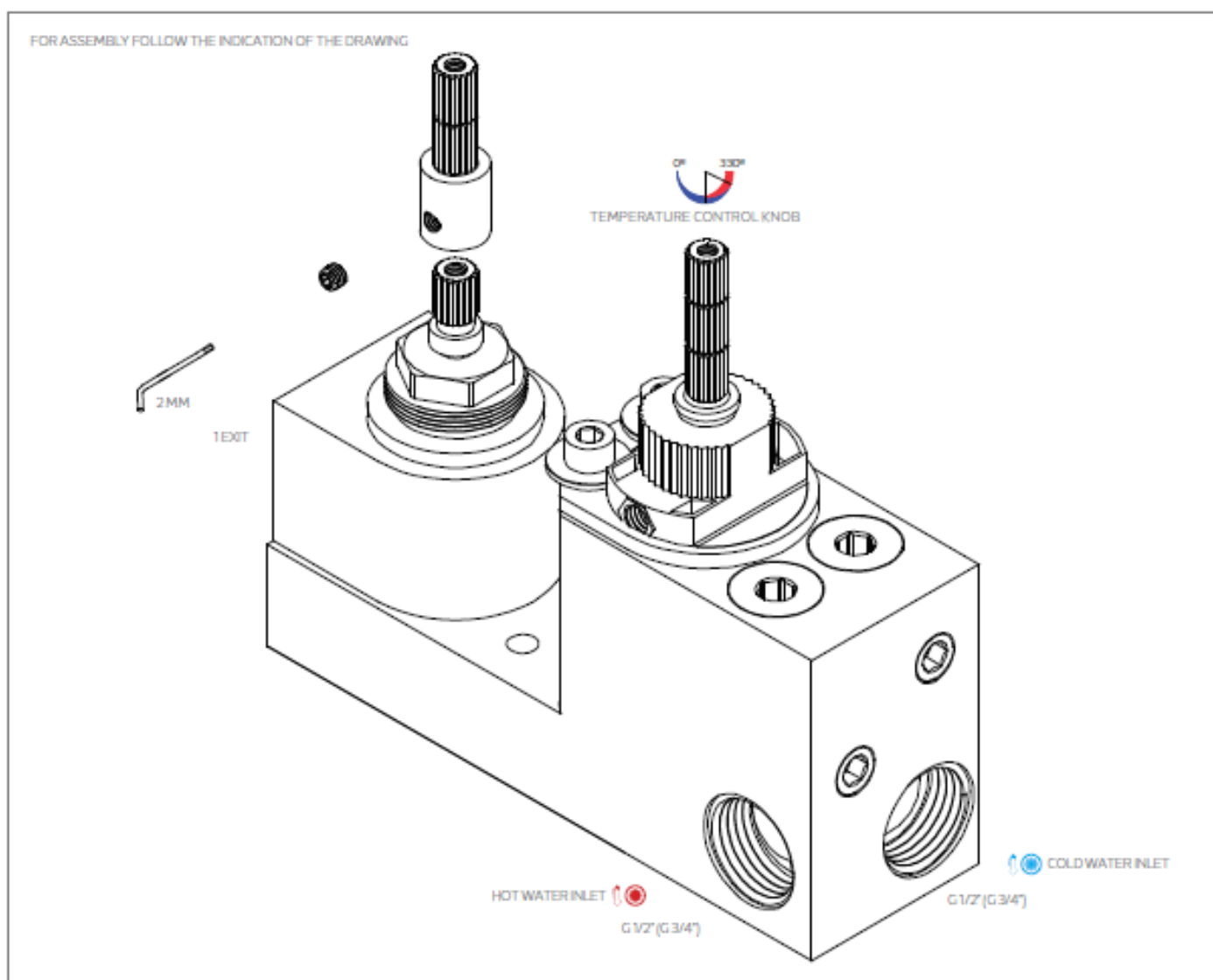
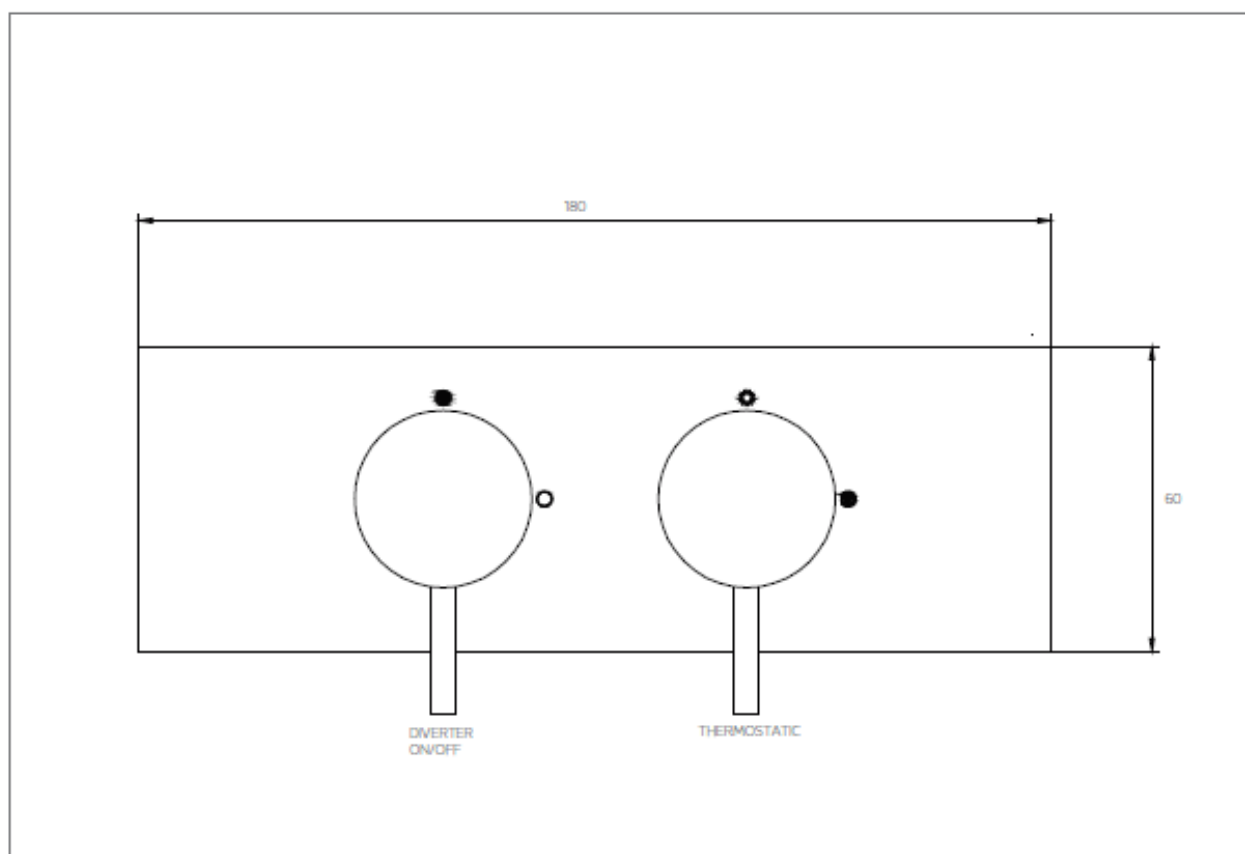


Fig 2



Handles shown are for illustrative purposes only and may vary depending on model

ASSEMBLY INSTRUCTIONS

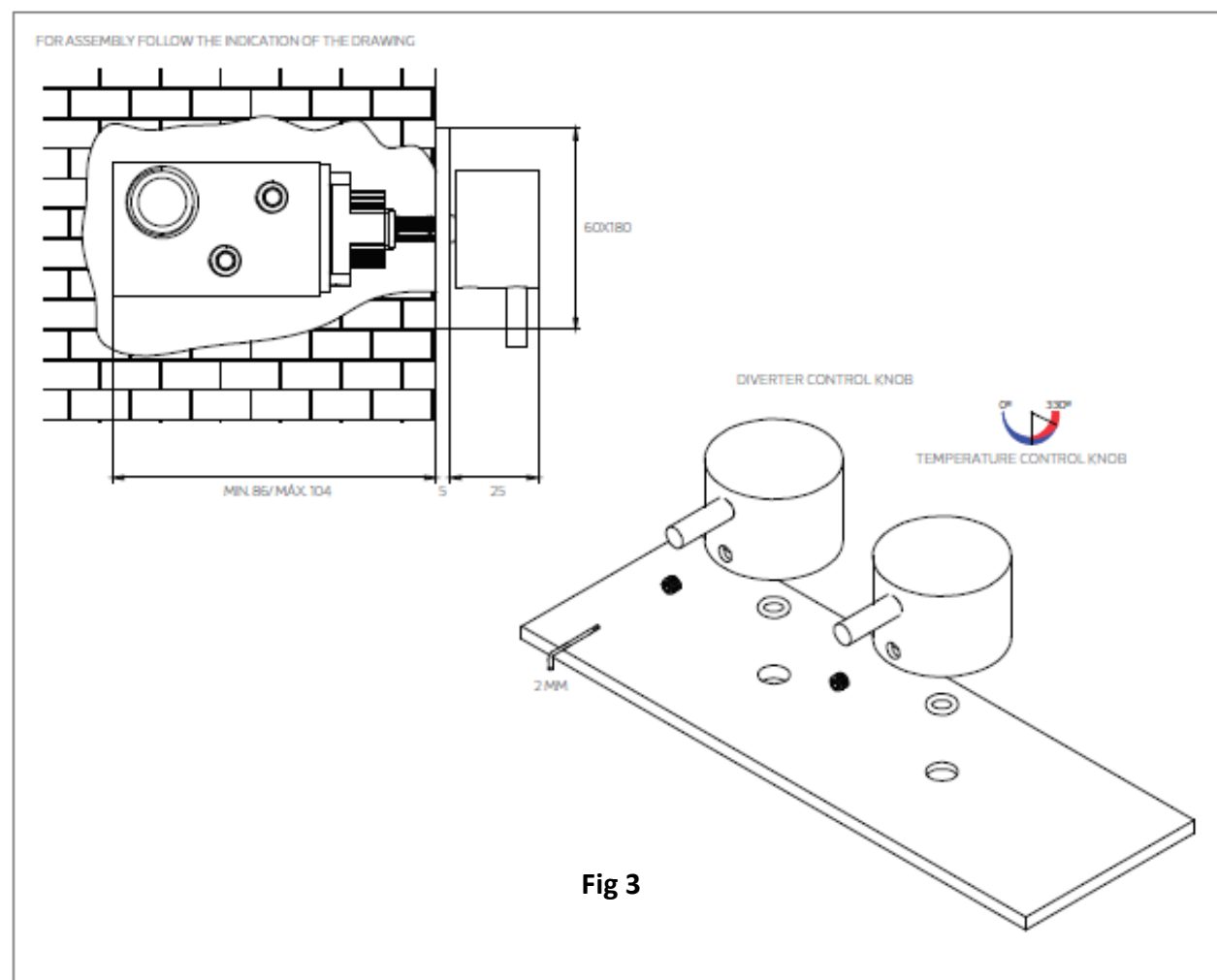


Fig 3

MAXIMUM TEMPERATURE SETTING.

The thermostatic cartridge is designed to blend the hot and cold supplies to a maximum temperature ratio of 80% of your hot water cylinder temperature. If your cylinder is set at the recommended 60°C level the maximum temperature this valve will allow is 48 C.

MAINTAINENCE

THERMOSTATIC CARTRIDGE

The thermostatic cartridge is held in place with 2 x 4mm allen key retaining bolts. Undo and remove these and the cartridge can be then be pulled out of the valve body (re-fit handle to aid removal if required). Please note the position of the cartridge to ensure it is re-fitted correctly. Wash the cartridge under clean running water to remove any debris, dry then lightly grease seals and replace.

CHECK VALVE

The hot and cold inlet check valves prevent cross flow between the two supplies. They can be removed by undoing the 6mm recessed allen key retaining plug, the check valve can then be accessed with long nose pliers. Wash the cartridge under clean running water to remove any debris, dry then lightly grease seals and replace.

ON/OFF CARTRIDGE

Remove ceramic disc on/off cartridge using 17mm socket or adjustable spanner. Wash the cartridge under clean running water to remove any debris, dry then lightly grease seals and replace.



We recommend only warm soapy water is used in the cleaning of this product.

Do not use liquid detergents containing abrasive or acidic additives, the use of this type of product may permanently damage the finish of the product and will invalidate the manufacturers warranty

TROUBLE SHOOTING

The shower temperature is either hot or cold, but will not mix correctly.

Hot and Cold supplies have been plumbed the wrong way round – the supplies need to be re-plumbed to the correct inlets as shown in the installation instructions.

The shower temperature is not hot enough.

Check the temparure of the hot water supply is within the recommended temperature range (50° - 70°C). Adjust the thermostatic temperature control until desired temperature is achieved.

Cold water is tracking through the valve into the hot water system.

Remove, check and clean the inlet check valves as described in maintainence section above.

Outlet flow is very low/no flow.

Check both hot and cold supplies – the valve will shut down if either supply fails.

Remove, check and clean the inlet check valves as described in maintainence section above.

For any further information please contact Arte Form:

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The manufacturer reserves the right to make technical changes or modifications without prior notice.