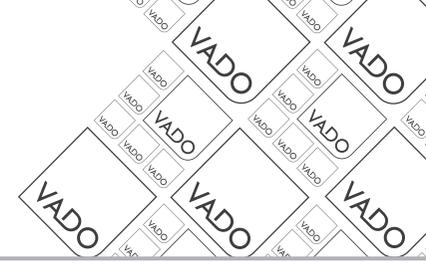




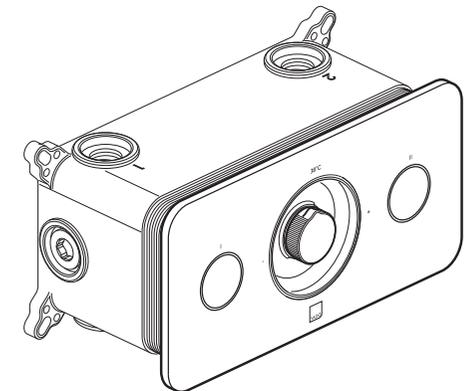
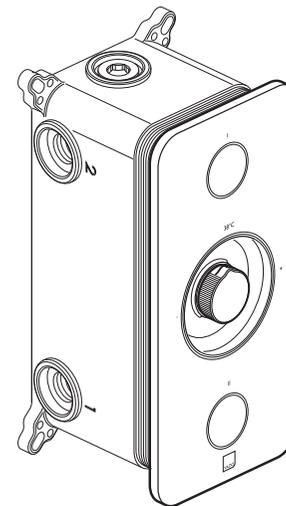
where inspiration flows

ZONE

Installation Guide
2 way thermostatic shower valve



ZON-128/2-CP
ZON-128/2-H-CP



Vado
Wedmore Road, Cheddar, Somerset, England BS27 3EB
tel 01934 744466 fax 01934 744345
aftersales@vado.com
www.vado.com

Note: This product can be fitted horizontally or vertically. Please ensure the installation corresponds to the correct orientation. For illustrational purposes the horizontal fitting is shown throughout, for vertical installation, refer to page 10.

Keep for future reference



Important - please read

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

Remove all packaging and check the product for missing parts or damage before starting installation.

Any alterations made to this product and fittings may infringe water regulations and will invalidate the guarantee.

The installation must comply with all Local/National Water Supply Authority Regulations/Byelaws and Building and Plumbing Regulations.
To be installed in accordance with BS EN806.

We strongly recommend that you use a qualified and registered plumber.

To ensure the smooth running of the thermostatic valve, occasionally turn the temperature from total hot to total cold.

General installation

This fitting is a mixing device and therefore water supplies should be reasonably balanced.

When installed, the fitting must comply with the requirements of the Water Supply (Water Fittings) Regulations 1999 and Scottish Byelaws 2004.

For further information, contact the Water Regulations department of your local water supplier (see the WRAS website www.wras.co.uk for details) or the Water Regulations Advisory Scheme by email (info@wras.co.uk) or telephone: 01495848454.

Before making any inlet pipe connections, all supply pipes MUST be thoroughly flushed to remove debris. Failure to do so could result in damage or low flow from the mixer unit. Water Supply (Water Fittings) Regulations 1999 Schedule 2 Section 13.

The fitting of isolating valves to the inlet feeds is advised for ease of maintenance.

Please take great care when installing this mixer not to damage its surface.

Please note if installing in an enclosed environment, access should be left for servicing and maintenance. No costs relating to inadequate access can be accepted.

Operating Specifications

Operating Pressure

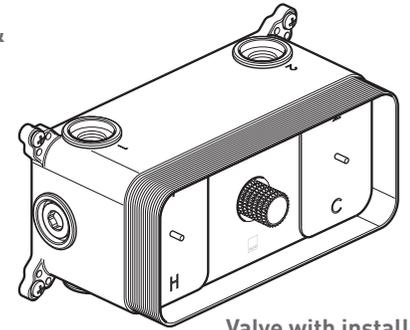
Minimum operating pressure **1 bar**

Maximum operating pressure **5 bar**

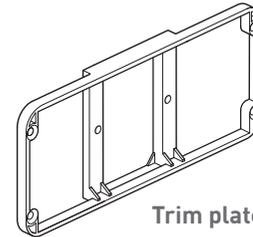
Contents of Packaging



Installation guide & User manual



Valve with installation plate



Trim plate with four long screws & nuts

Only for use with a wall depth of 84mm and over

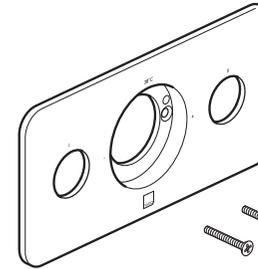
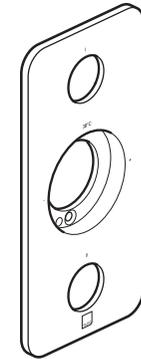


Plate assembly with two long & two short screws



Vertical plate assembly with two long & two short screws



Friction washer



Handle



Handle washer



Button connection kit x 2



Push button x 2

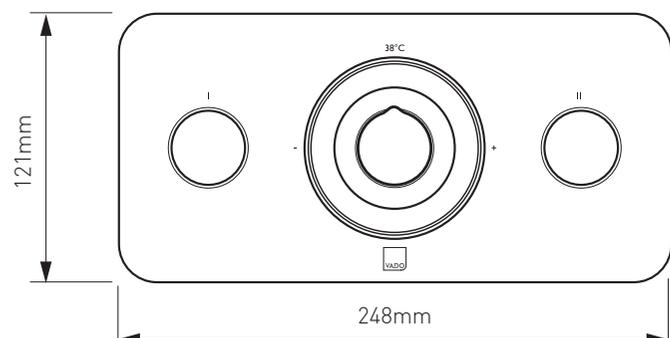
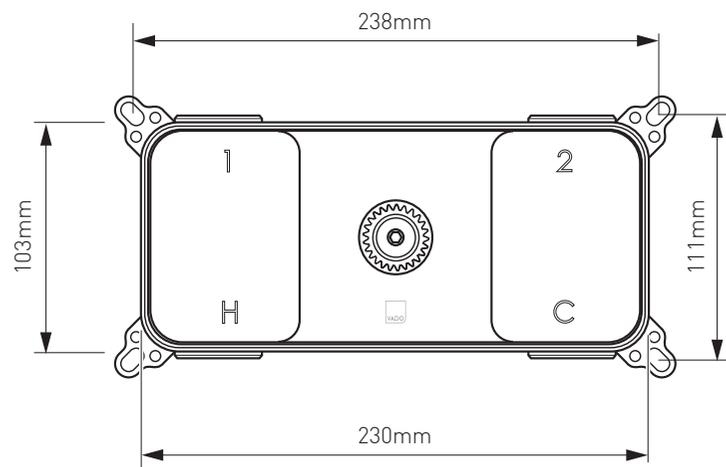
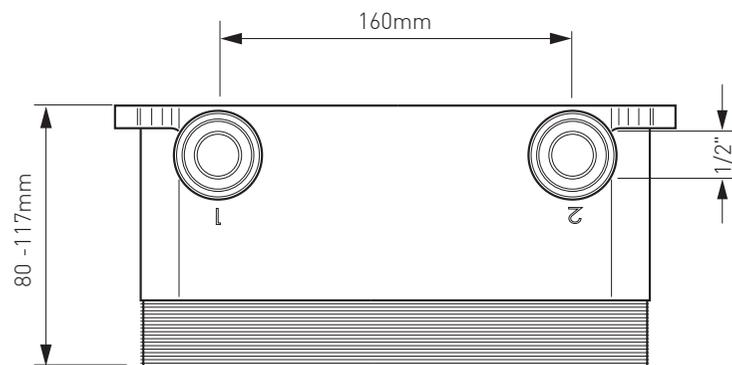


Shroud

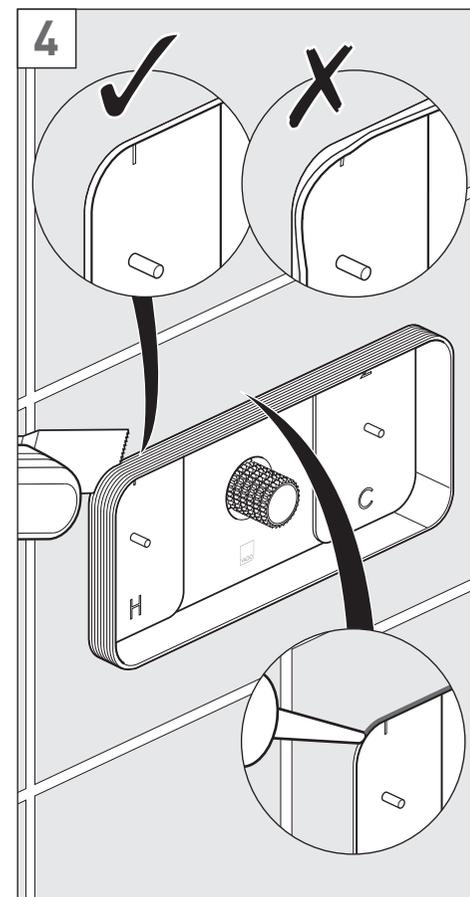
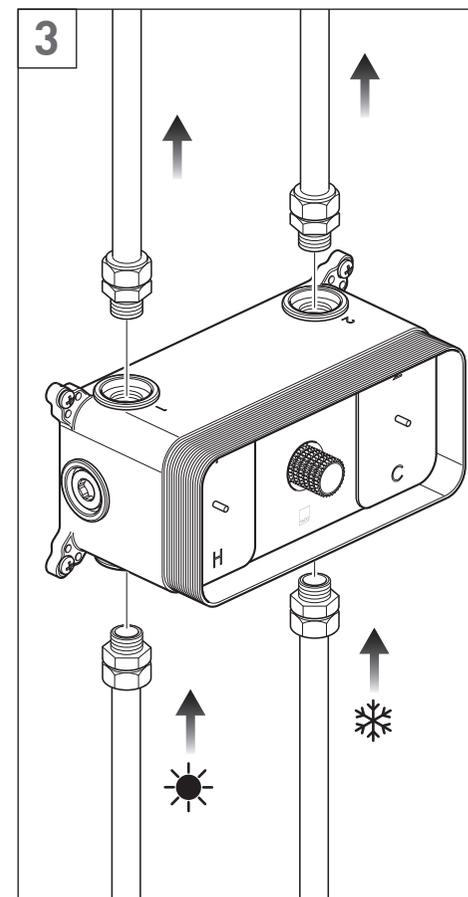
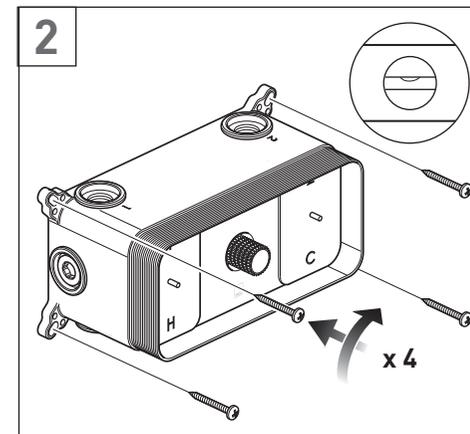
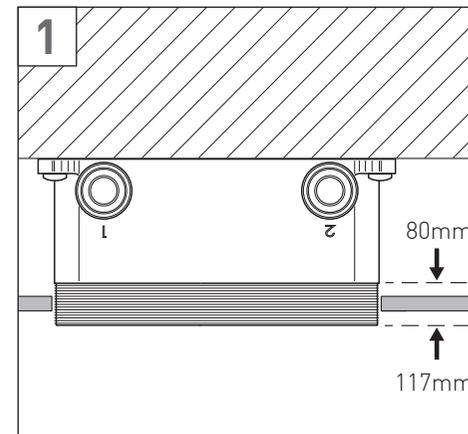


Hex key x 3

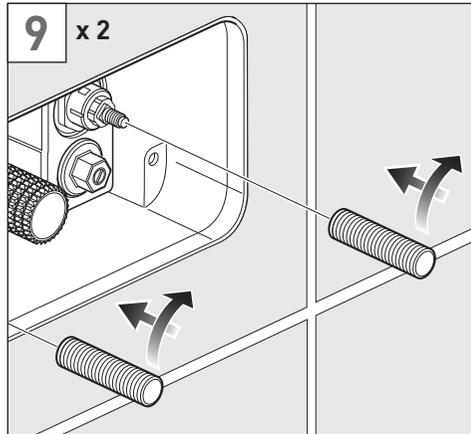
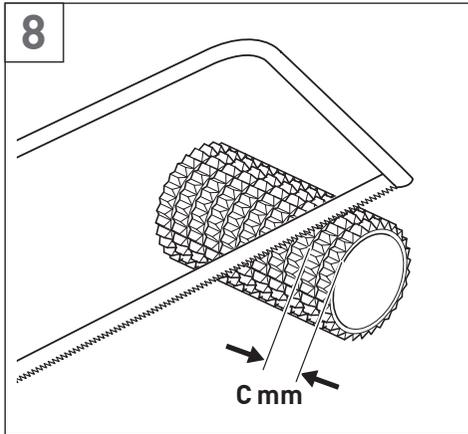
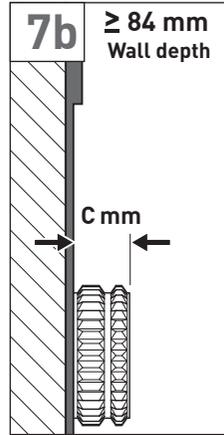
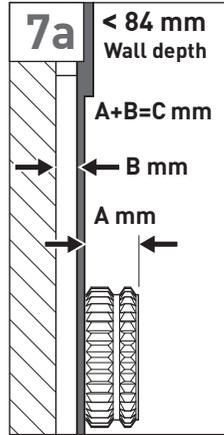
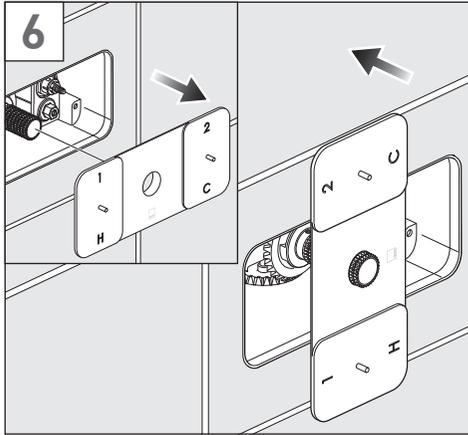
Dimensions



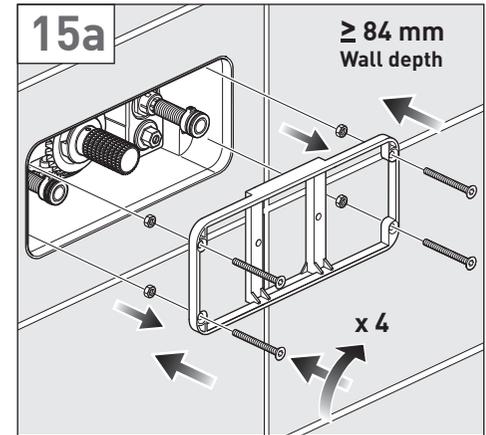
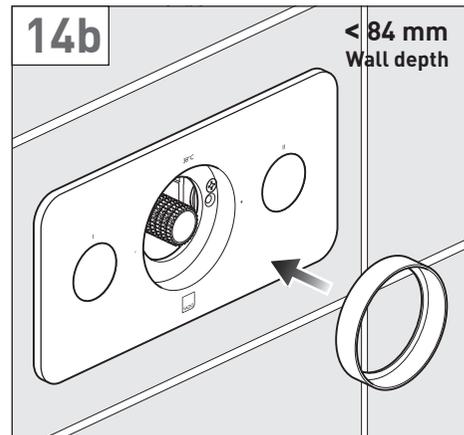
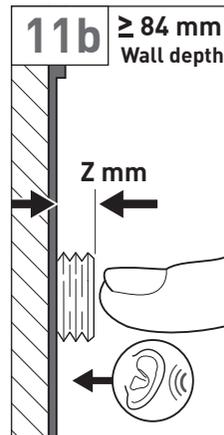
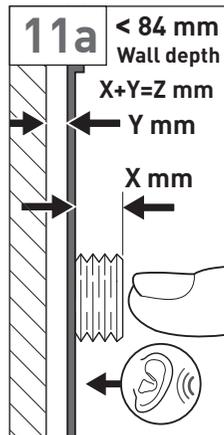
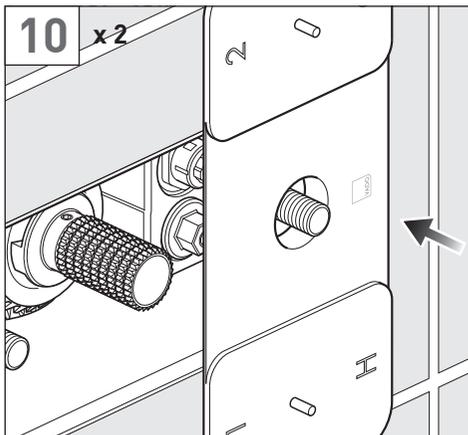
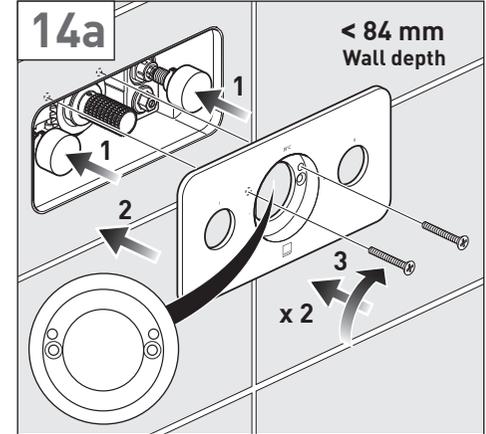
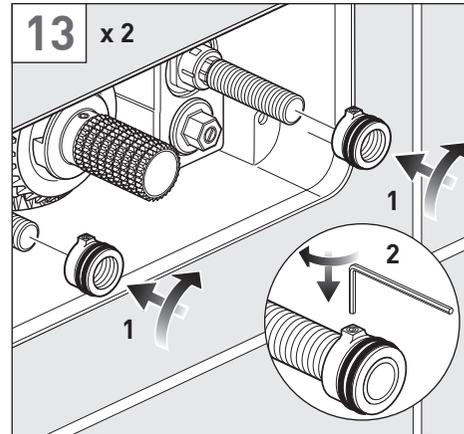
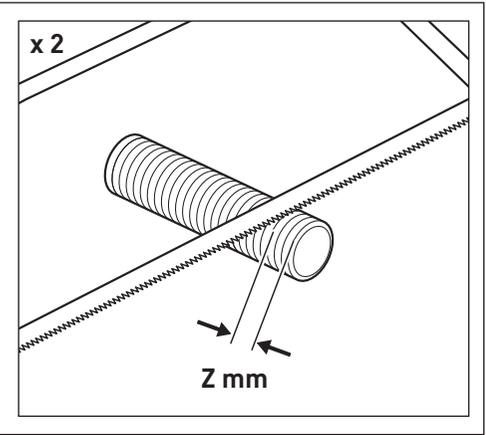
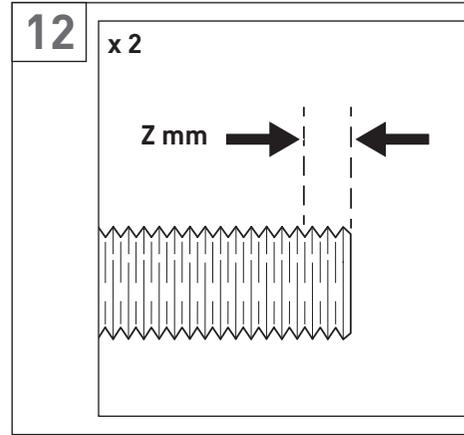
Installation - Quick guide



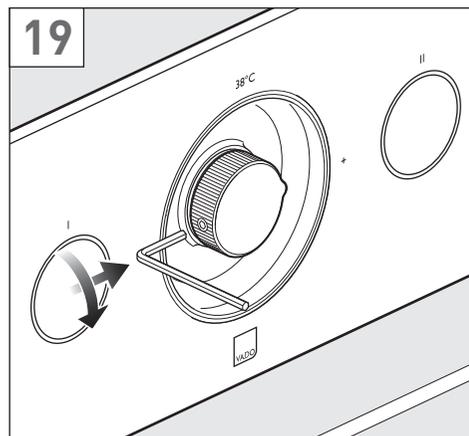
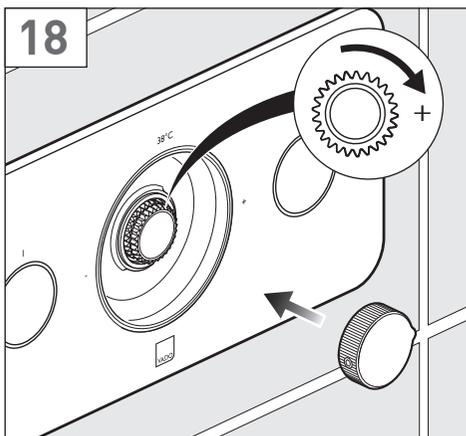
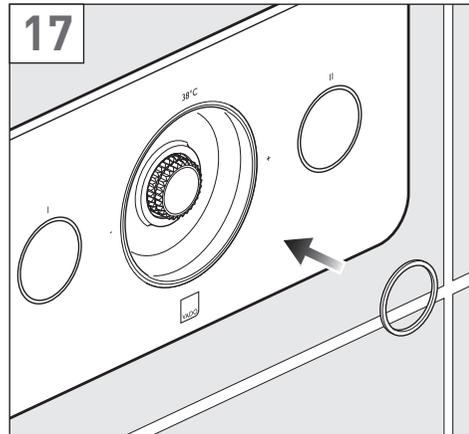
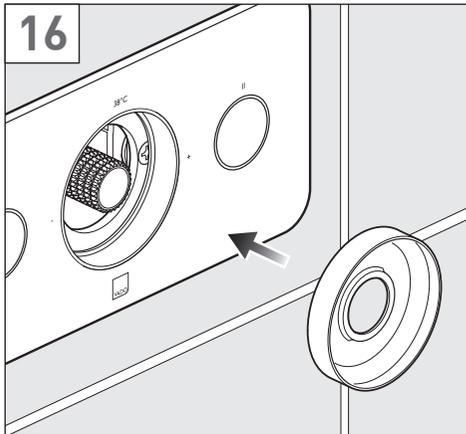
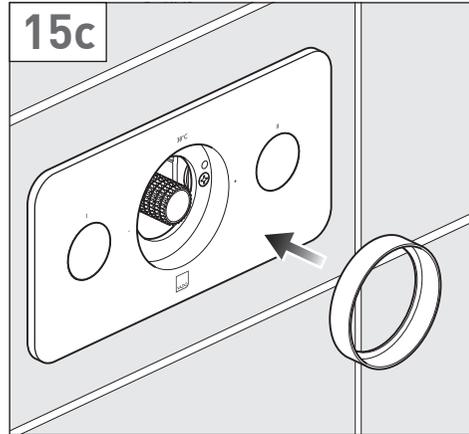
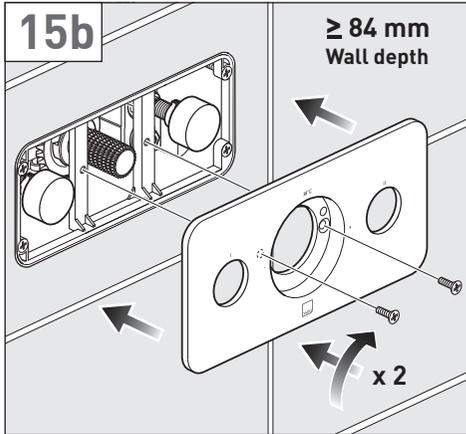
Installation - Quick guide



Installation - Quick guide



Installation - Quick guide



Temperature Calibrating

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

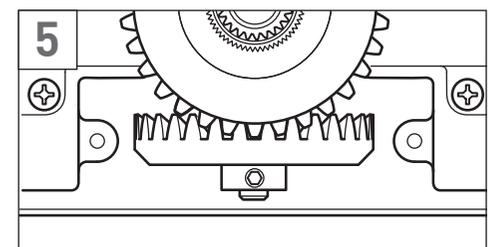
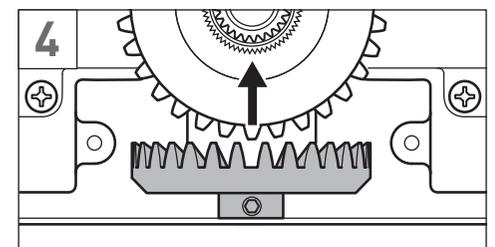
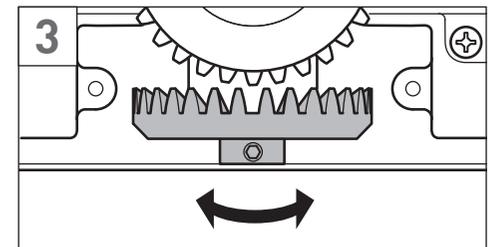
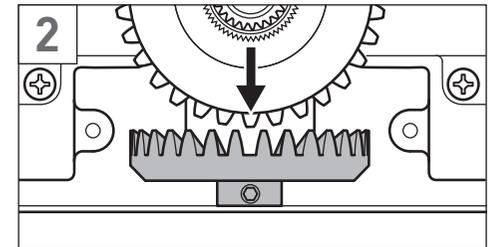
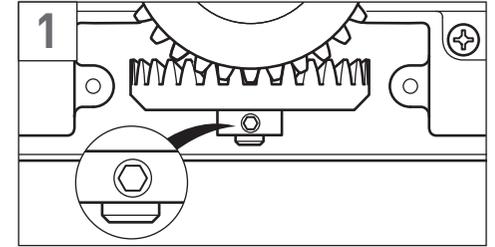
The valve has been factory set under balance pressures and hot water supply at 65°C.

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 Check the temperature of the water being delivered to the outlet with a thermometer when the temperature control has been rotated to total hot.
2. If the temperature is not 46° proceed as follows:
3. Loosen the grub screw **(1)** so that the gears can be disengaged **(2)**.
4. If the temperature is below 46°, rotate the gear clockwise accordingly **(3)**, re-engage, and record the temperature after rotating the control back to total hot. If the temperature is over 46° with the gears engaged, rotate the temperature control so the thermometer reads 46°. Disengage the gear and rotate anti-clockwise accordingly **(3)**, re-engage **(4)**, and record the temperature after rotating the control back to total hot.
5. When 46° is achieved tighten the grub screw **(5)**.

Note: temperature readings should be taken at normal flow rate after allowing for the system to stabilise.



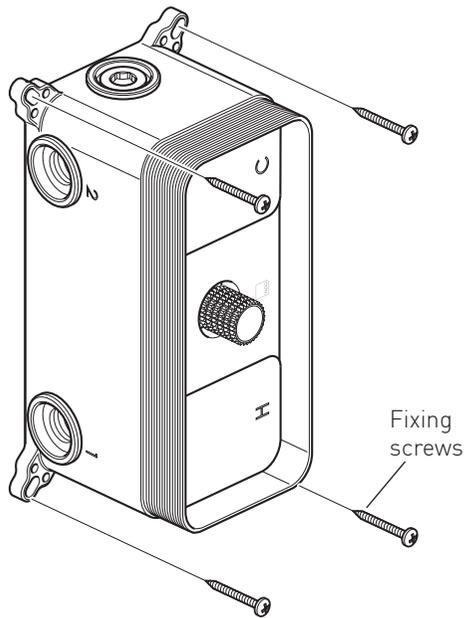
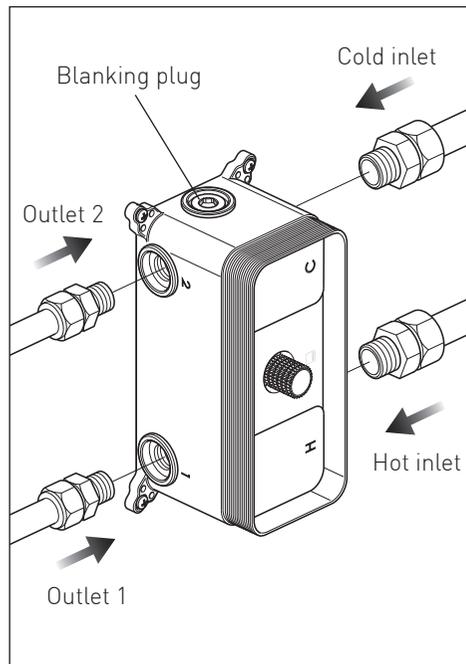
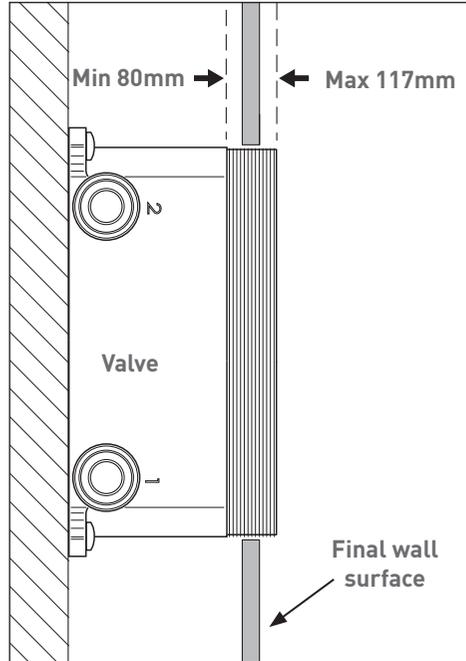
Vertical installation

The valve will need to be rotated 90° **anti-clockwise**. Select the position for the shower valve and offer the shower valve to the wall, make sure the valve is level and mark the 4 fixing points with a pencil. Remove the shower valve from the wall, drill the holes to a suitable depth for the wall plugs and secure with suitable screws (**below**).

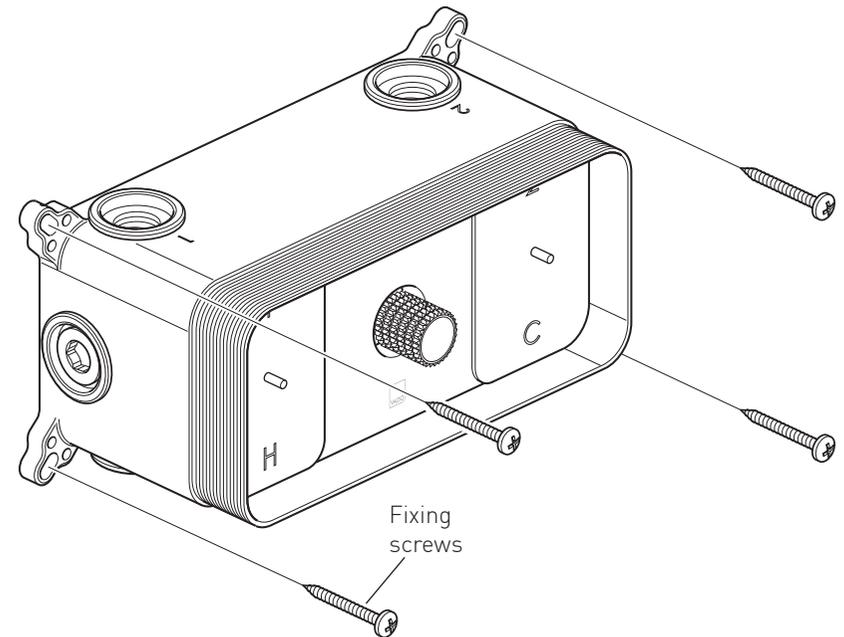
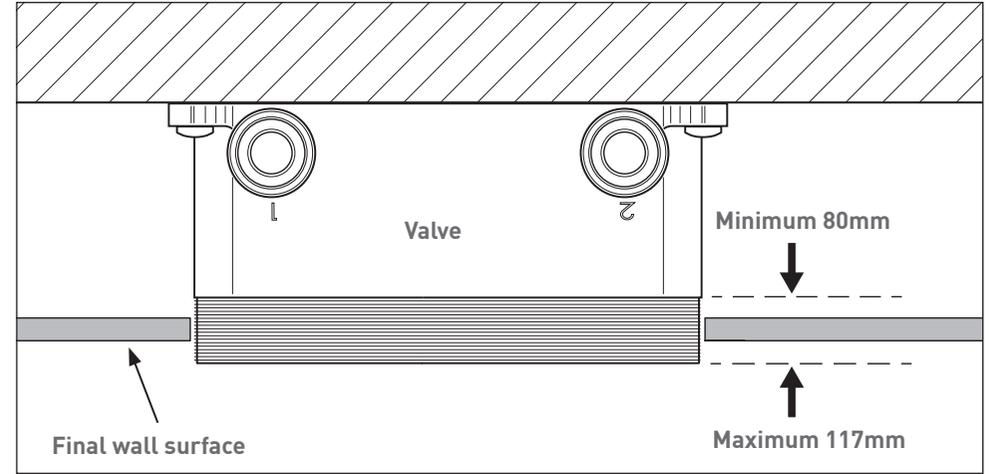
Connect hot supply to the lower right inlet of the valve and cold supply to the upper right inlet. Connect the outlets to the desired channels e.g. shower head and handset (**below right**).

If using an additional module, remove a blanking plug on the desired side using a 11mm allen key.

Please continue with the installation from the bottom of page 12, bearing in mind to rotate 90° anti-clockwise.

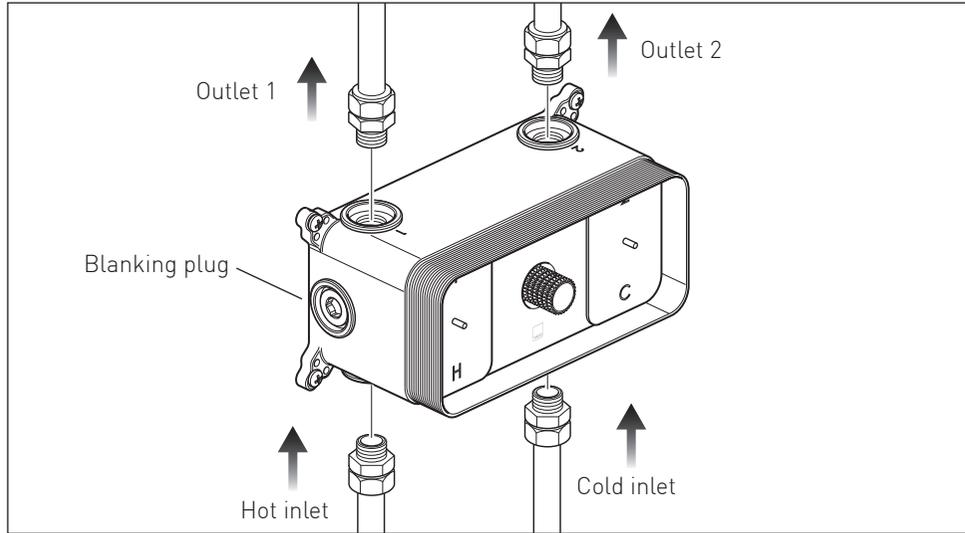


Installation

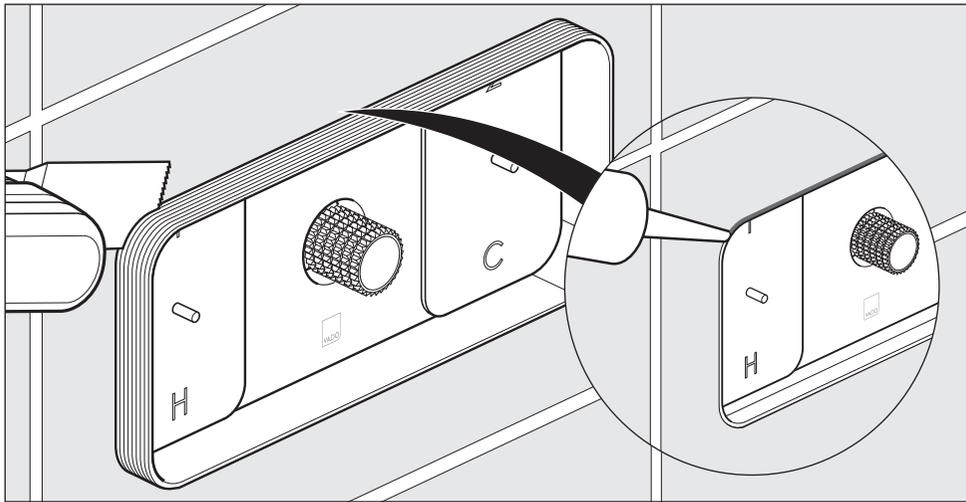


Select the position for the shower valve and offer the shower valve to the wall, make sure the valve is level and mark the 4 fixing points with a suitable pencil. Remove the shower valve from the wall, drill the holes to a suitable depth for the wall plugs and secure with suitable screws.

Installation

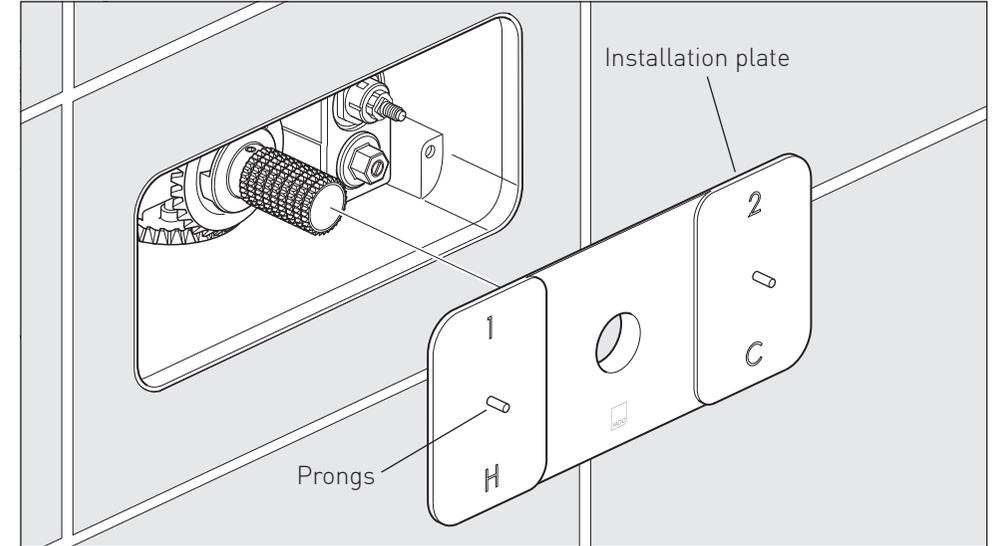


Connect hot supply to the lower left inlet of the valve and cold supply to the lower right inlet. Connect the outlets to the desired channels e.g. shower head and handset. If using an additional module, remove a blanking plug on the desired side using a 12mm allen key.

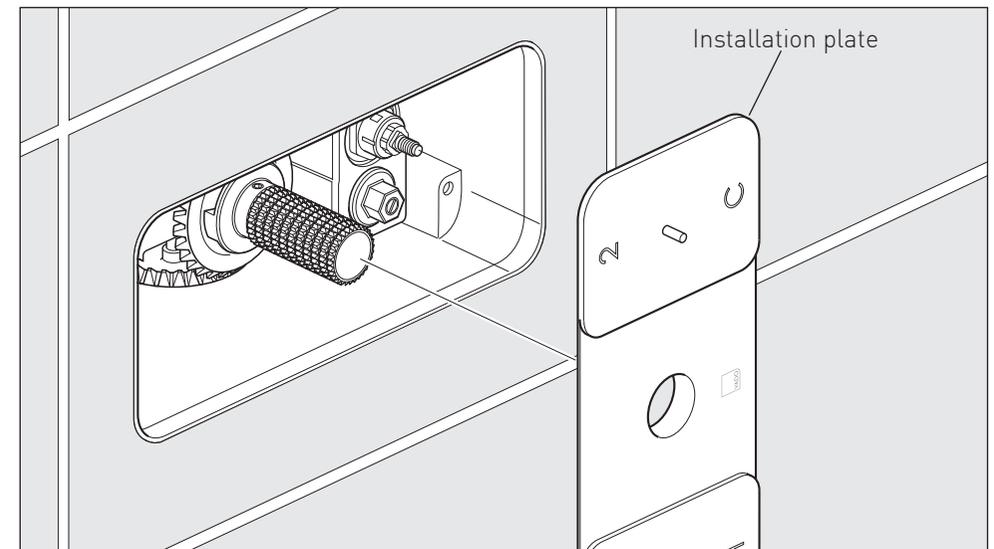


Using the box of the valve as a guide, tile around the box as tight as possible. Carefully cut around the box of the valve using an appropriate tool, ensuring you leave a smooth, even edge, flush with the wall. **For installation < 84 mm the installation box may protrude up to 4mm from the wall. Do not cut beyond the ribbed section.** Apply a thin bead of silicon between the box and the tiles.

Installation

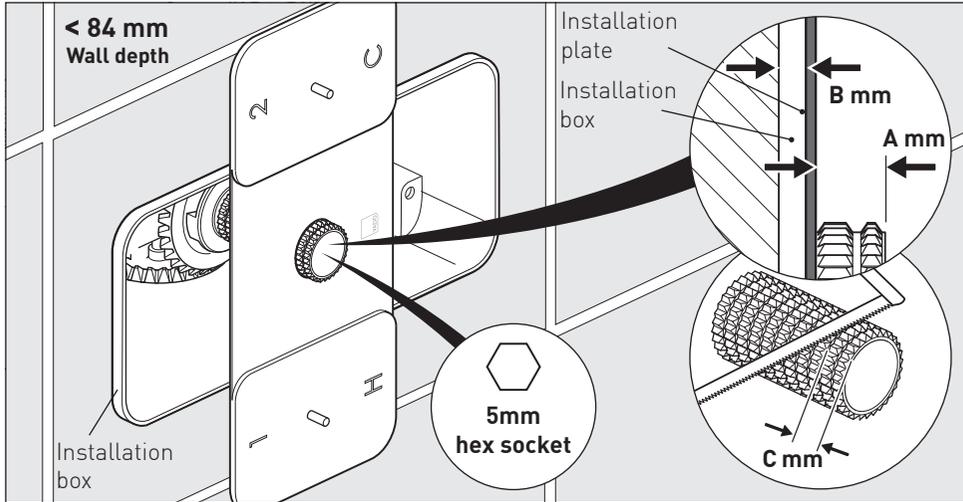


Remove the installation plate using the prongs.

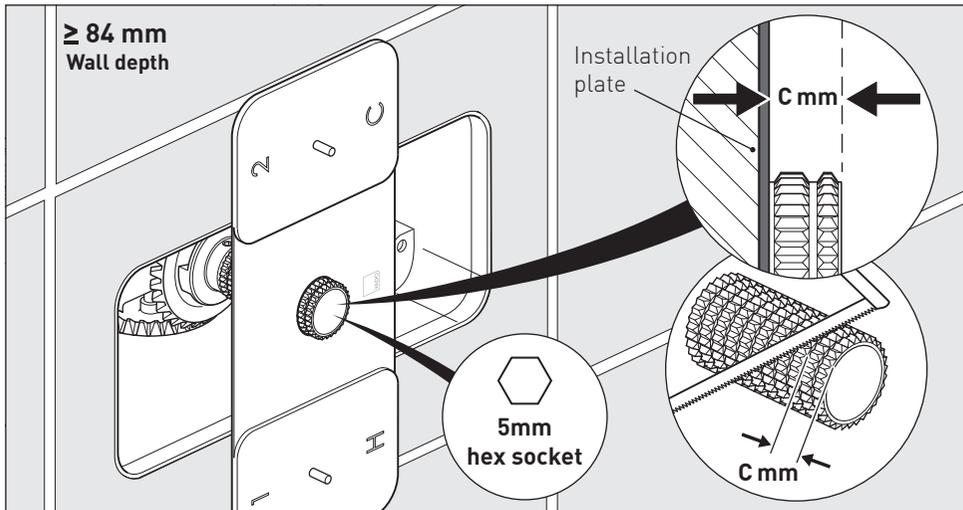


Rotate the installation plate 90° and slide over the spline adapter until it makes contact with the wall.

Installation

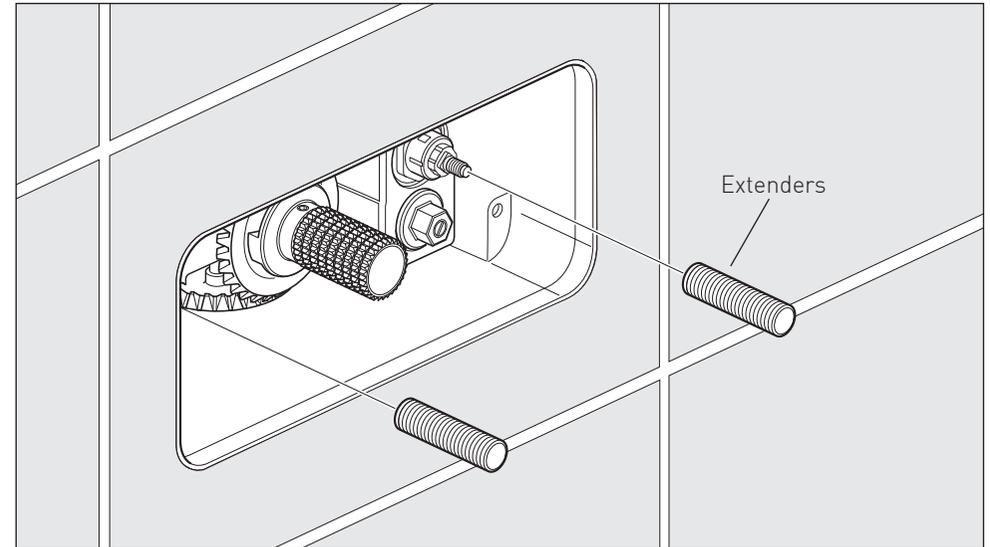


Measure the distance between the installation plate and the end of the spline adapter (**A mm**). Measure how far the installation box protrudes from the wall (**B mm**) and plus that to **A = C**. Remove the installation plate. Remove the spline by using a 5mm hex key in the centre of the spline adaptor. Cut down the spline adaptor to the required measurement (**C mm**) using a hacksaw, remove any burrs. Screw the spline back in.

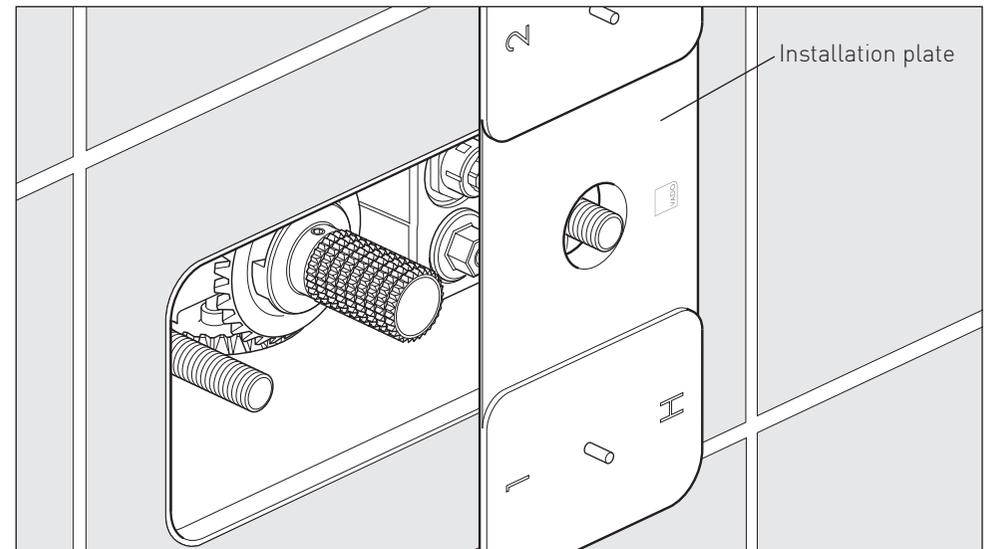


Measure the distance between the installation plate and the end of the spline adapter (**C mm**). Remove the installation plate. Remove the spline by using a 5mm hex key in the centre of the spline adaptor. Cut down the spline adaptor to the required measurement (**C mm**) using a hacksaw, remove any burrs. Screw the spline back in.

Installation

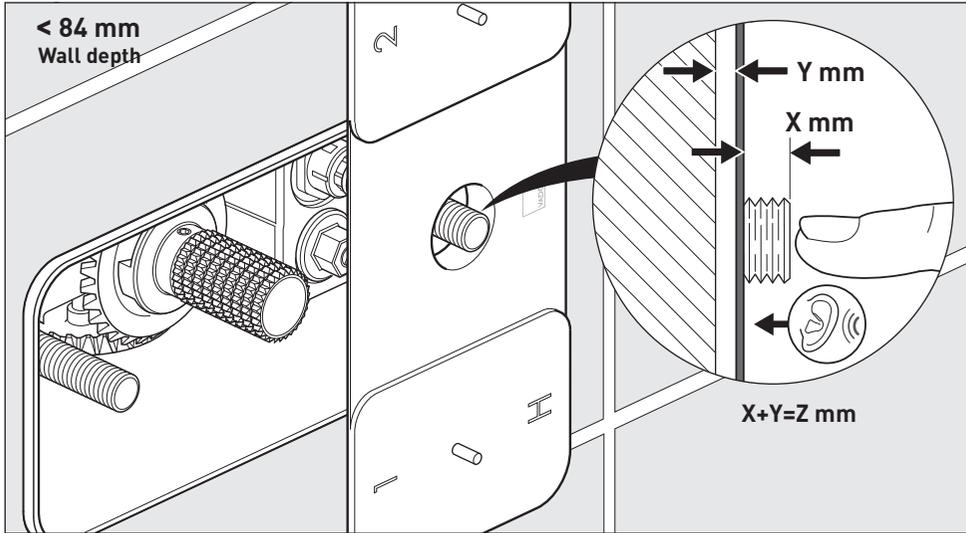


Screw on the extenders from the button connection kits.



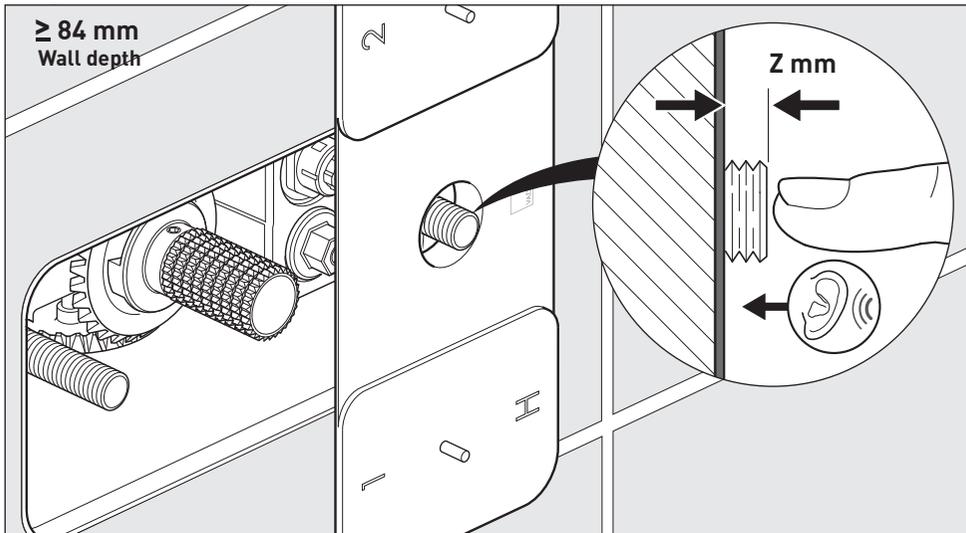
Place the installation plate over the extender, make sure that the installation plate is tight against the wall.

Installation



Ensure the extenders are pushed inwards so that the cartridge is in the off position. Measure to the end of the button extender (**X mm**). Measure how far the installation box protrudes from the wall (**Y mm**) and plus that to (**X mm**) = **Z mm**.

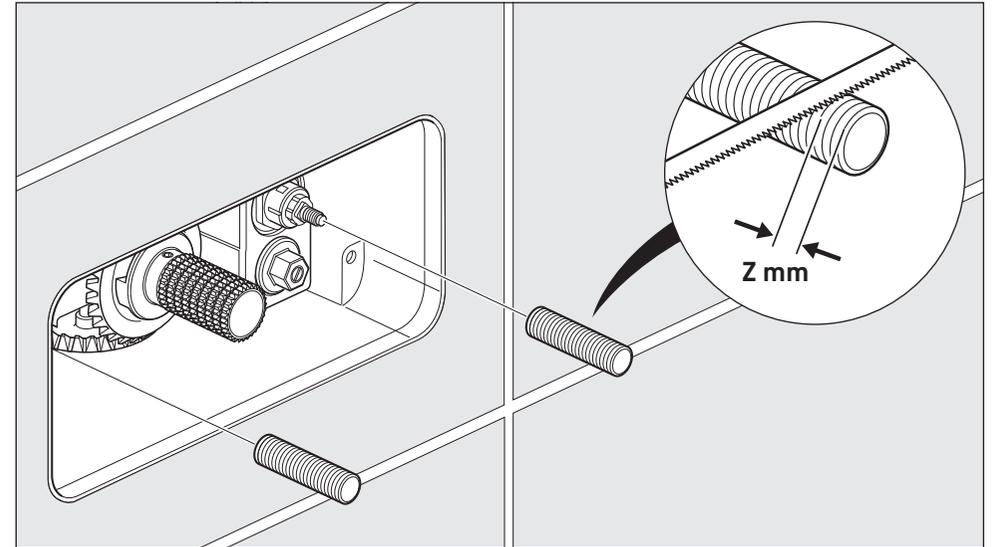
Remove the installation plate.



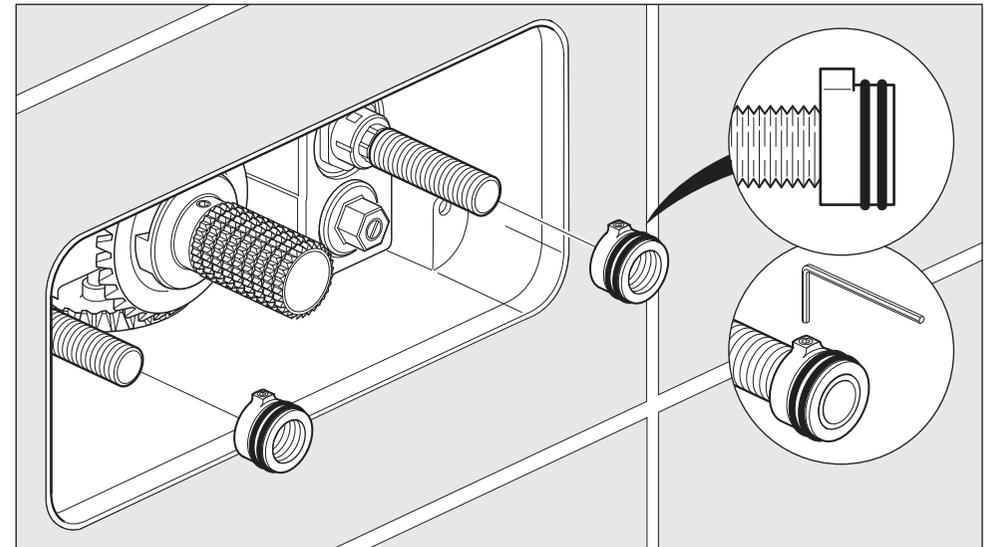
Ensure the extenders are pushed inwards so that the cartridge is in the off position. Measure to the end of the button extender.

Remove the installation plate.

Installation

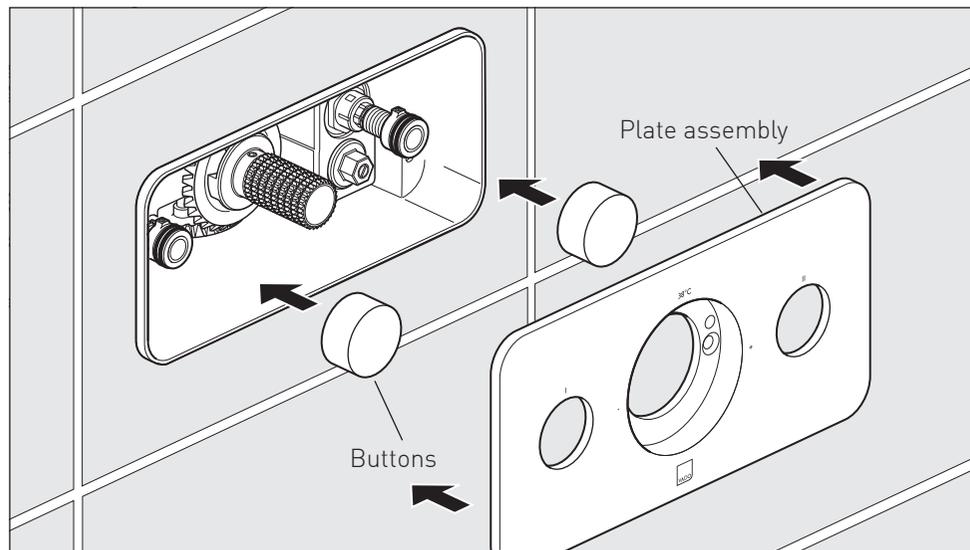


Remove the extenders. Trim the extenders as per the measured distance (**Z mm**).

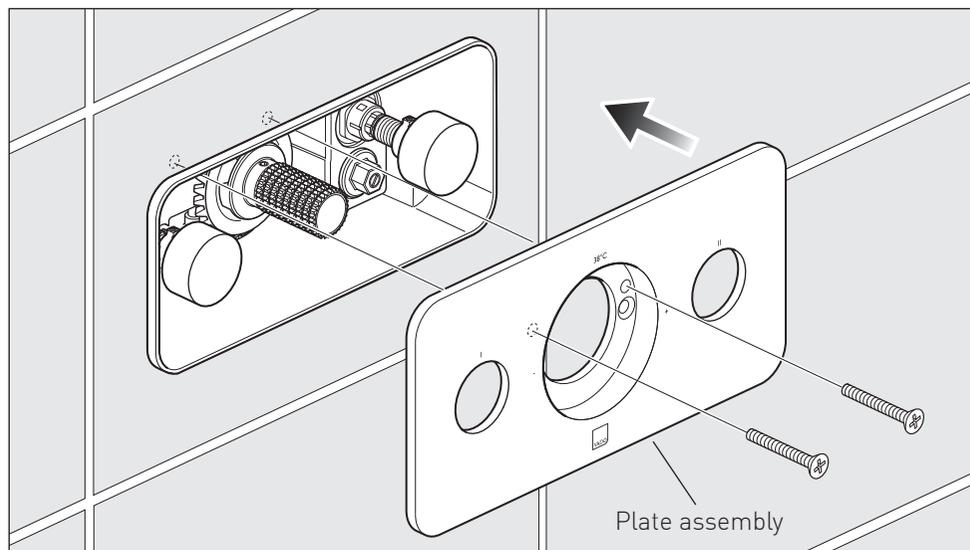


Replace extenders. Add the screw caps from the button connection kit making sure that they are flush with the end of the extenders. Tighten the grub screws on the caps.

Installation- for wall depth of up to 84mm

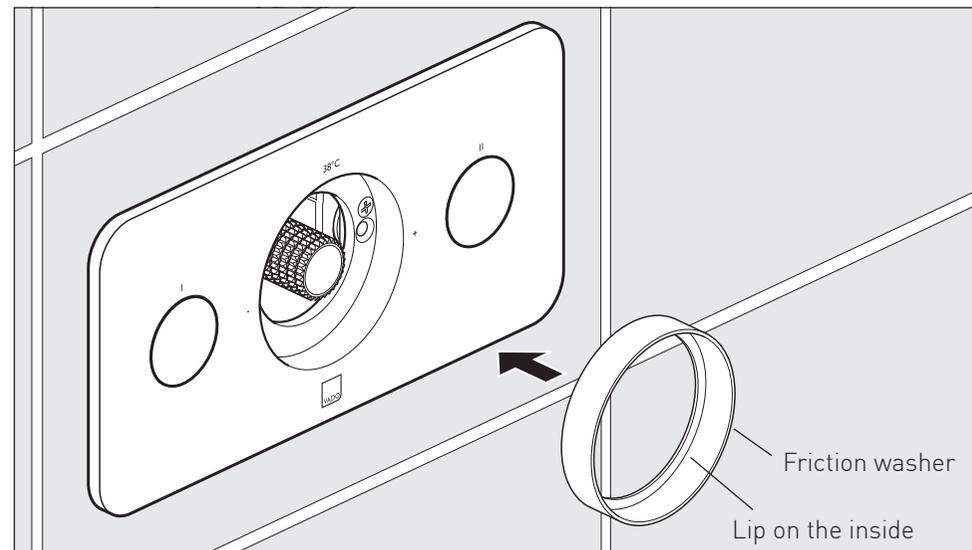


Place the buttons onto the caps and offer the plate up to the wall. Without fixing the plate, check if when both buttons are installed whether they sit flush with the plate. If not, adjust screw cap or trim more of the extender.



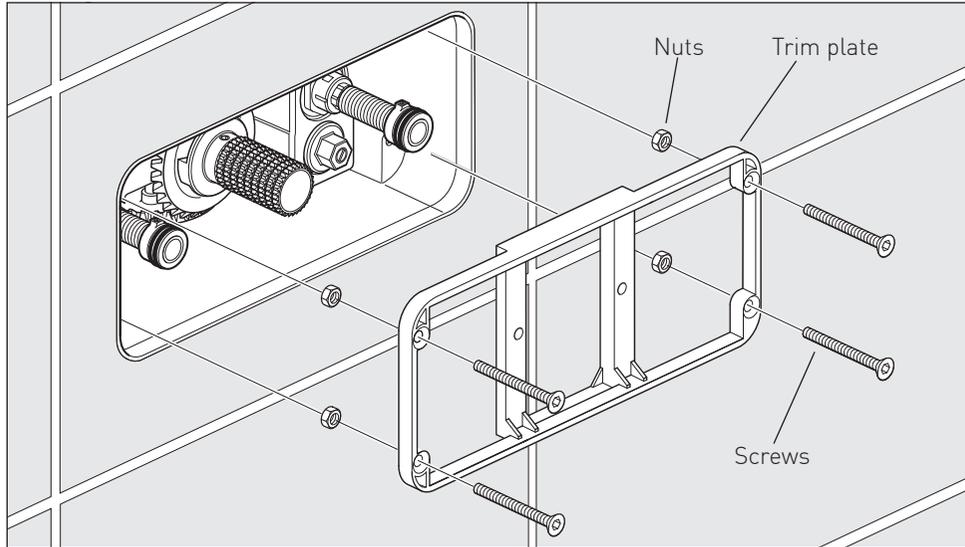
Use the two longer screws to secure the plate assembly to the valve using the two top holes on the plate.

Installation- for wall depth of up to 84mm



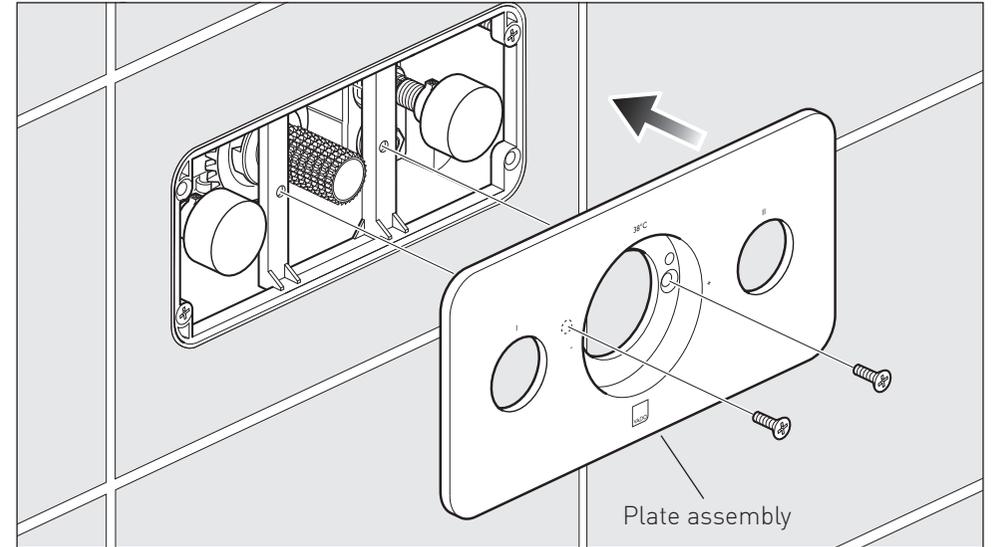
The friction washer is then placed into the central hole of the plate, make sure that the lip is on the inside.

Installation- for wall depth of over 84mm

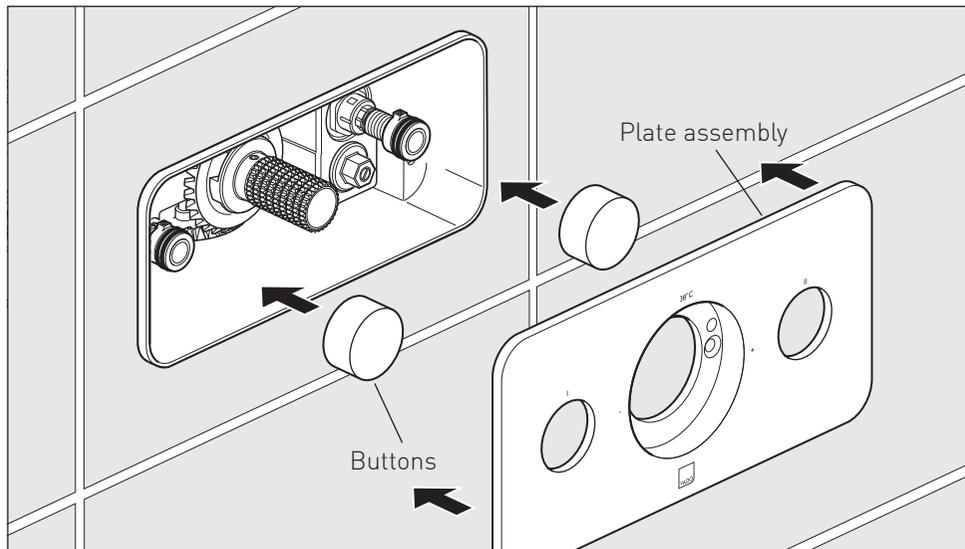


Using the four long screws and nuts, screw the trim plate down until the front of the trim plate is flush with wall, use the supplied hex key.

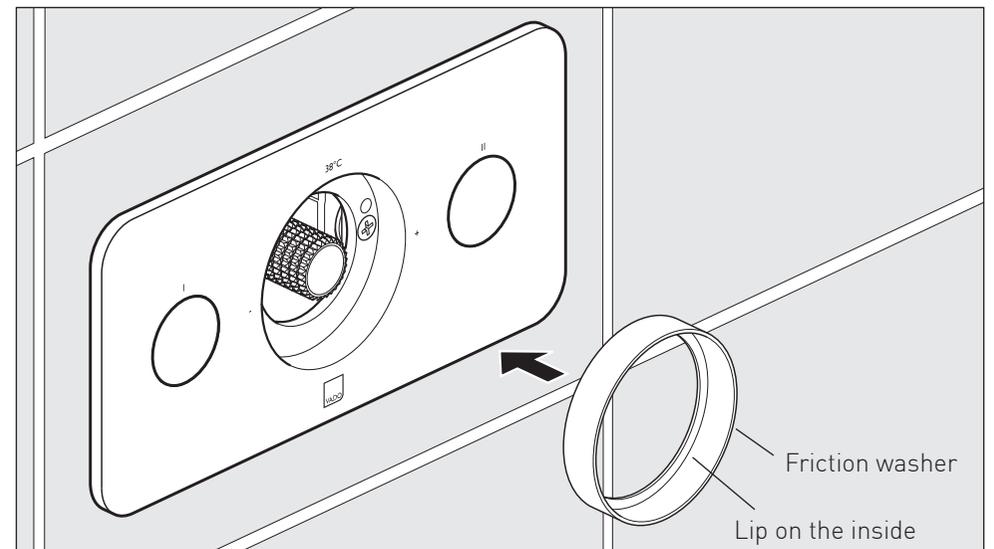
Installation- for wall depth of over 84mm



The plate assembly is then located over the middle spline and using the two small screws it is secured to the trim plate.

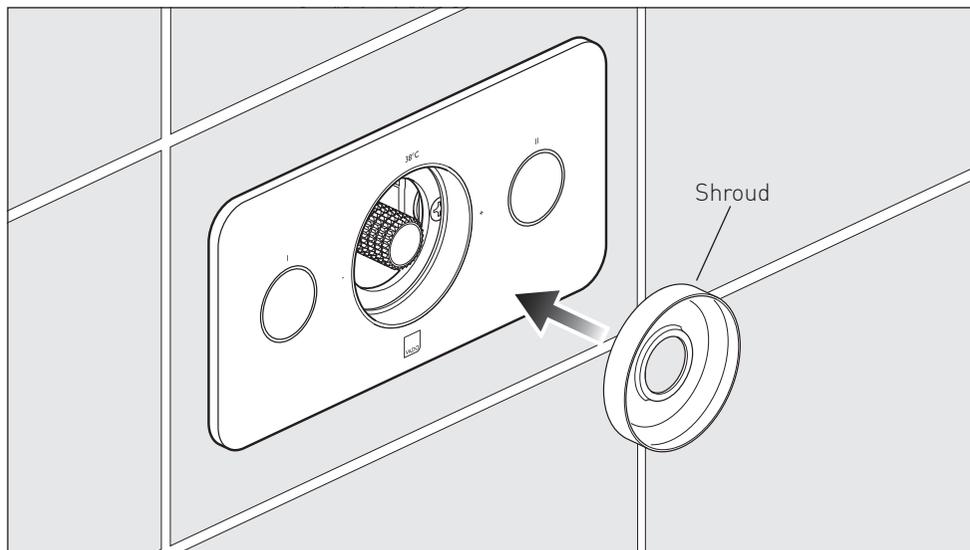


Place the buttons onto the caps and offer the plate up to the wall. Without fixing the plate, check if when both buttons are installed whether they sit flush with the plate. If not, adjust screw cap or trim more of the extender.

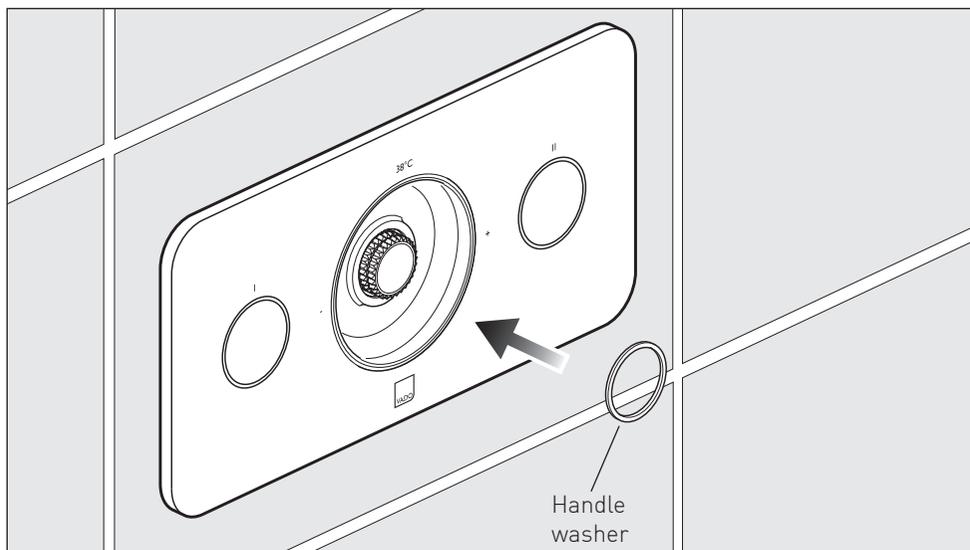


The friction washer is then placed into the central hole of the plate, make sure that the lip is on the inside.

Installation

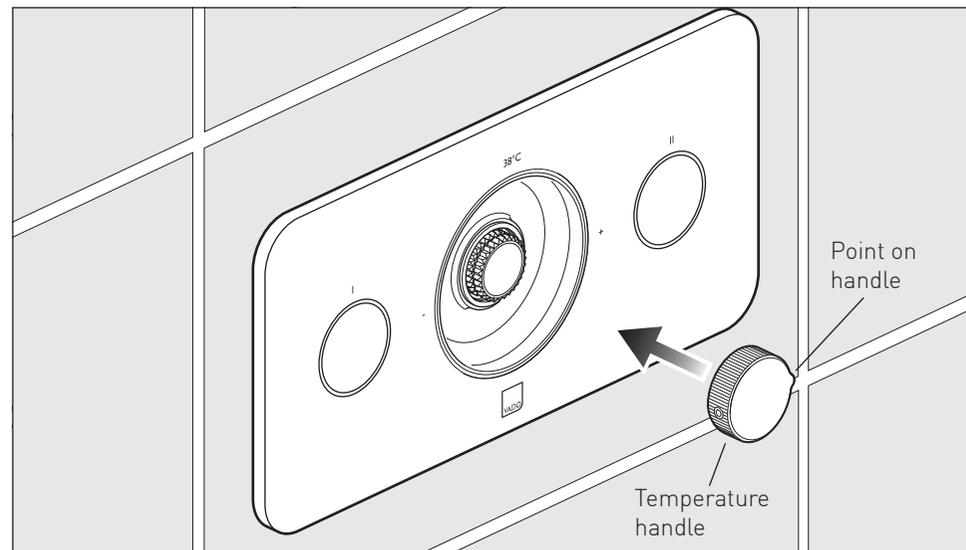


The shroud is then placed into the friction washer.

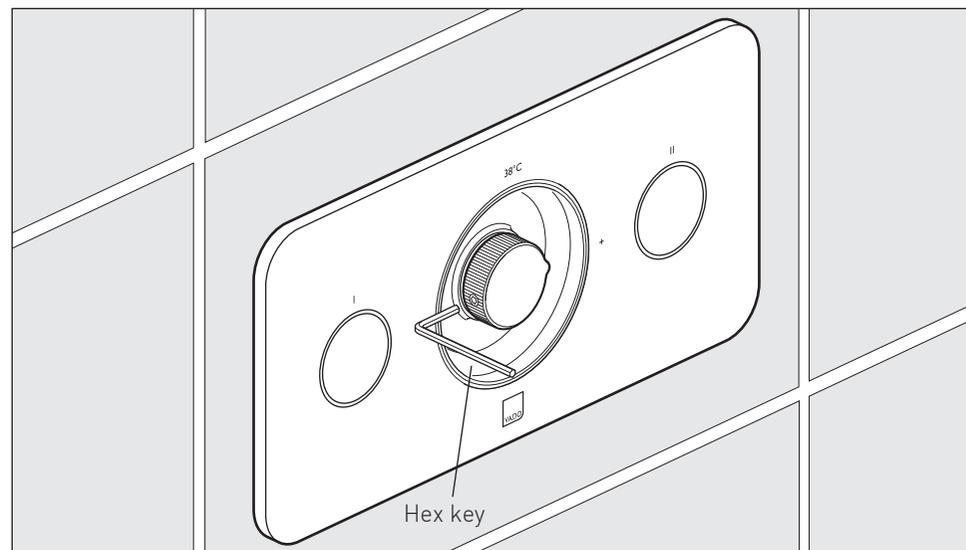


The handle washer is then placed over spline adapter.

Installation



Use the handle to fully rotate the spline clockwise. Lift off the handle, and locate it onto the spline adapter so the point is facing the +.



Using the supplied hex key, tighten the grub screw on the side of the handle.