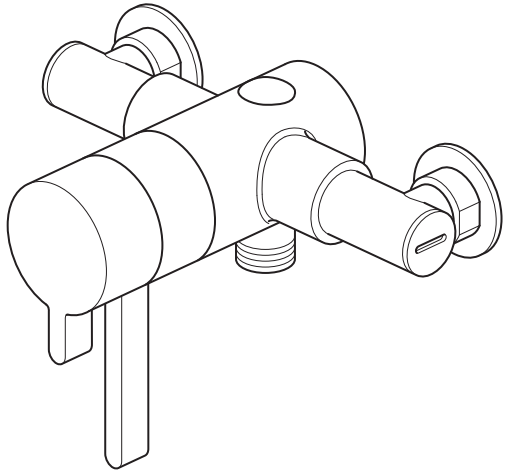
where inspiration flows

Installation Guide

Concentric thermostatic mixing valve

WG-179M-CP



This instruction booklet covers these models:

WG-179M-CP.

Vado
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aftersales@vado.com
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Version 1, 1-8-17

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.

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. Please check with your local water undertaker if there is any uncertainty.

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

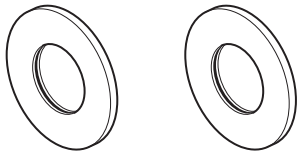
Operating Pressure

Minimum operating pressure 1 bar
Maximum operating pressure 5 bar

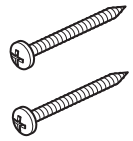
Contents of Packaging

Installation guide & User manual

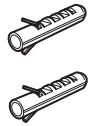
FIXING KIT BOX



Covers x 2



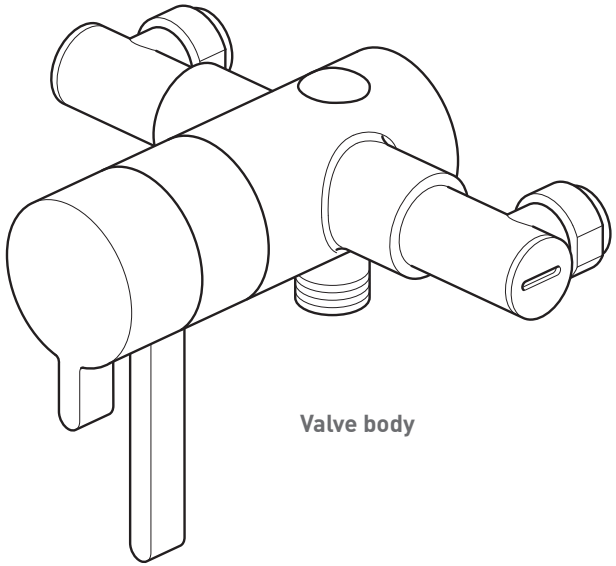
Screws x 2



Wall plugs x 2

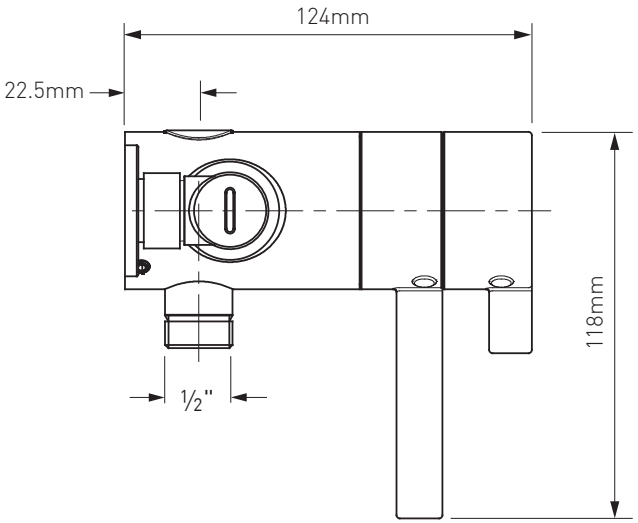
Hex key x 2

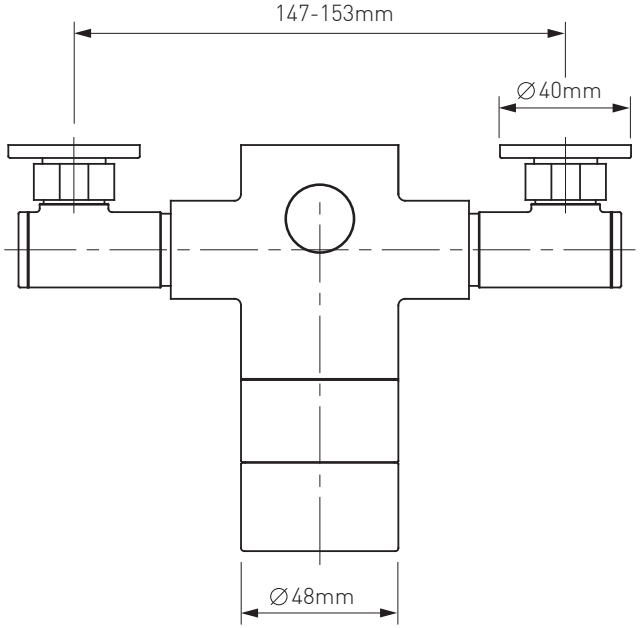
Grub screw cover x 2



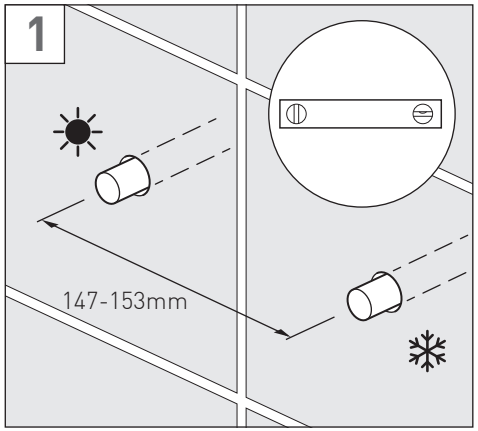
Valve body

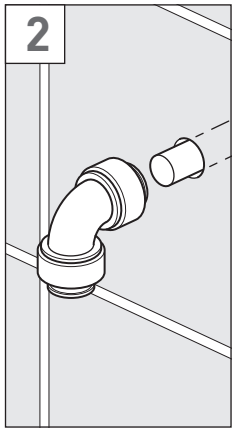
Dimensions

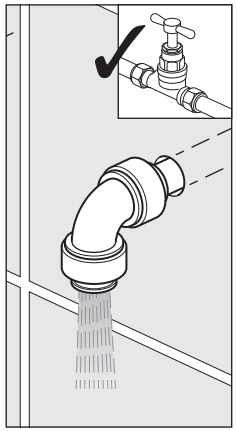


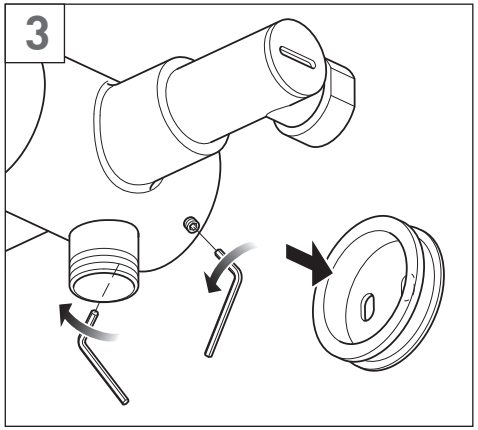


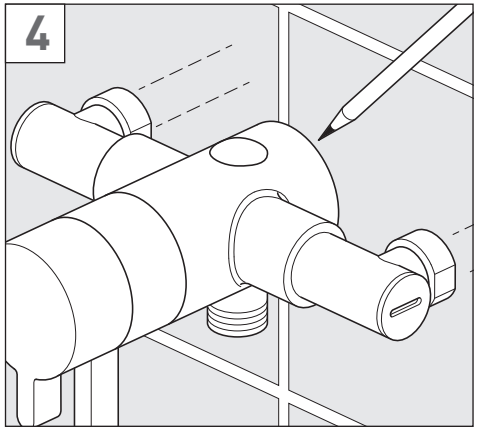
Installation - Quick guide

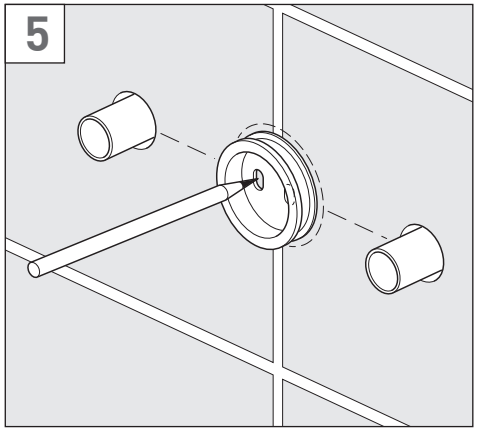


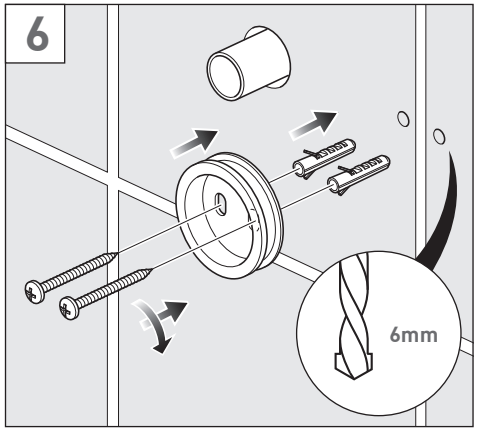












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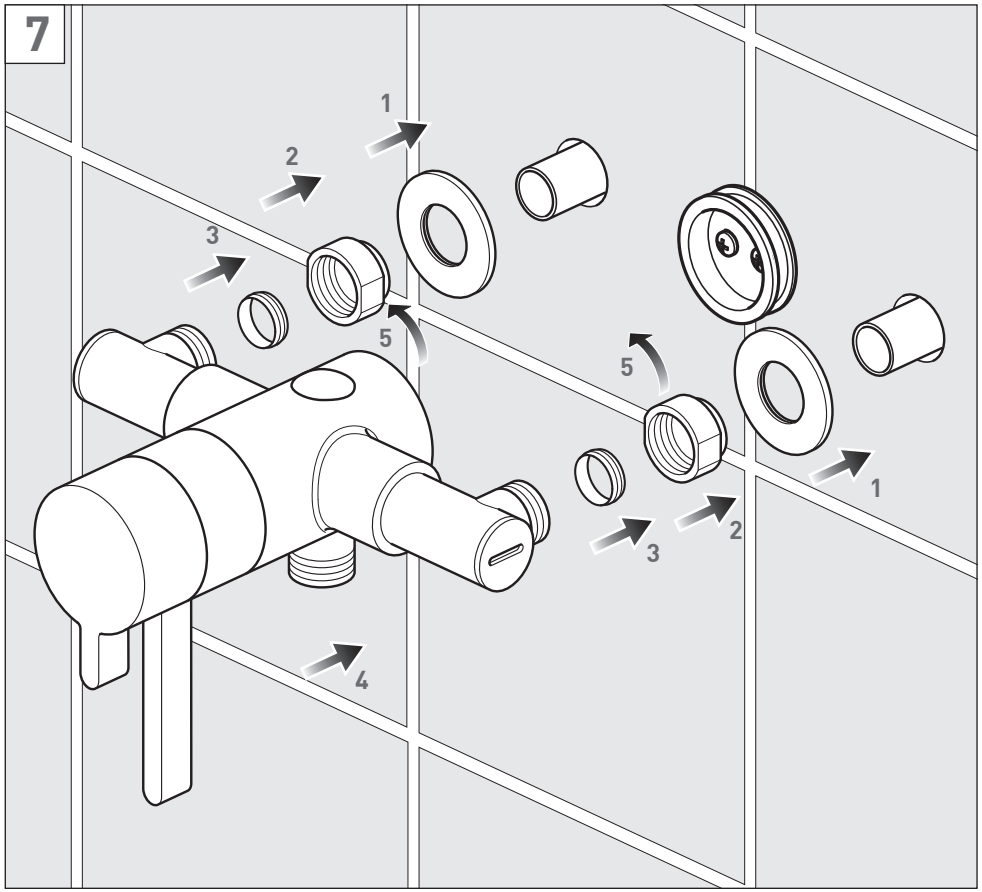
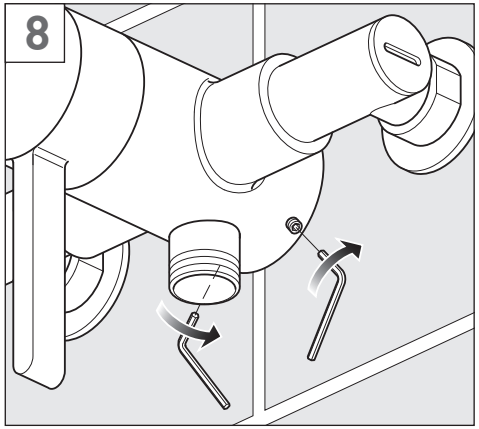
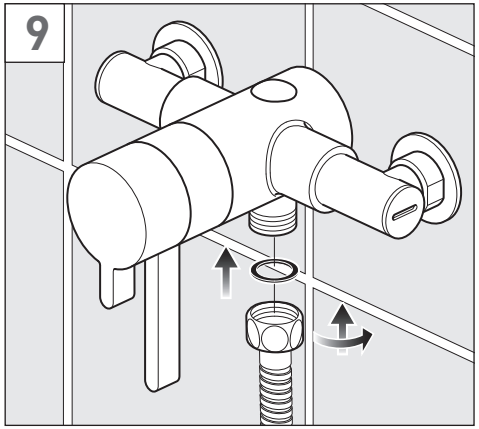






Installation

Prepare the wall with 2 copper pipes at 147-153mm centres. Make sure the pipes are level **(Fig. 1)**.
Connect the water supply to the inlet pipes. The hot water should be connected to the left hand pipe .

Before installing your new mixer, flush through the pipe work to ensure removal of debris, turn off the water supply. (Do not allow dirt, metal particles or shavings to block the filters fitted on inlets).

Temporarily place the valve over the copper pipes and mark the back of the body against the wall.

There is a small amount of adjustment on the inlet pipes to allow fitting onto the copper pipes. Screw each side in or out as required, ensuring that both sides are screwed in equally & within the tolerance specified on the dimension page.
Remove the valve **(Fig. 2)**.

Remove the mounting plate from the back of the valve by releasing the two grub screws and pulling out the plate.

Place the mounting plate in the centre of the marked position and mark the two fixing holes.

Drill the marked holes to a suitable depth for the wall plugs and secure with supplied screws **(Fig. 3)**.

If you are fitting the valve to a partition wall or a wall of particularly soft substrate you will need specialist fixings.

Fig. 1

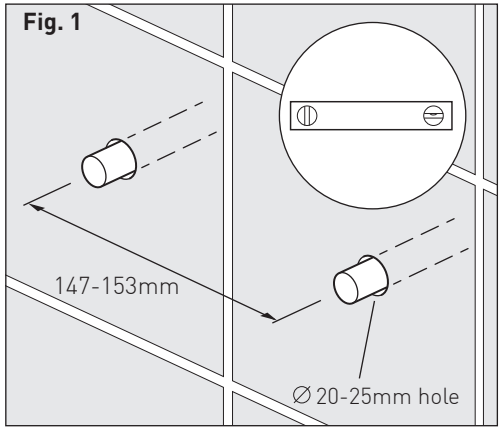


Fig. 2

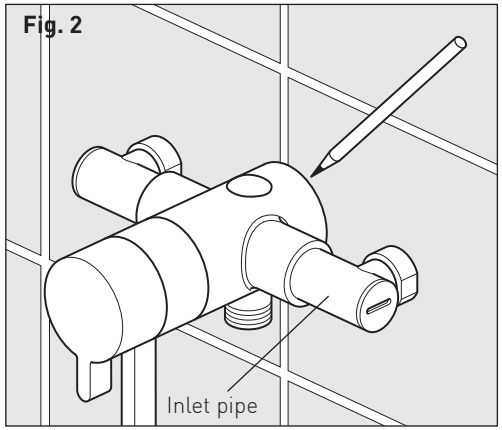
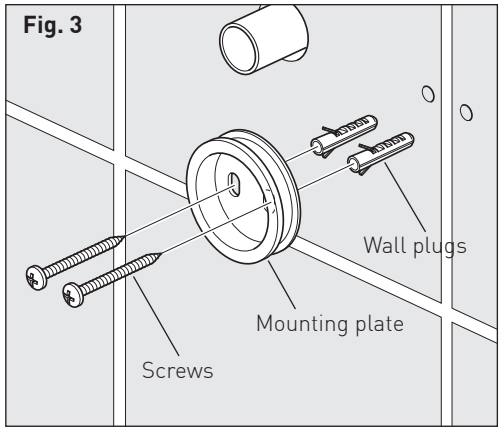
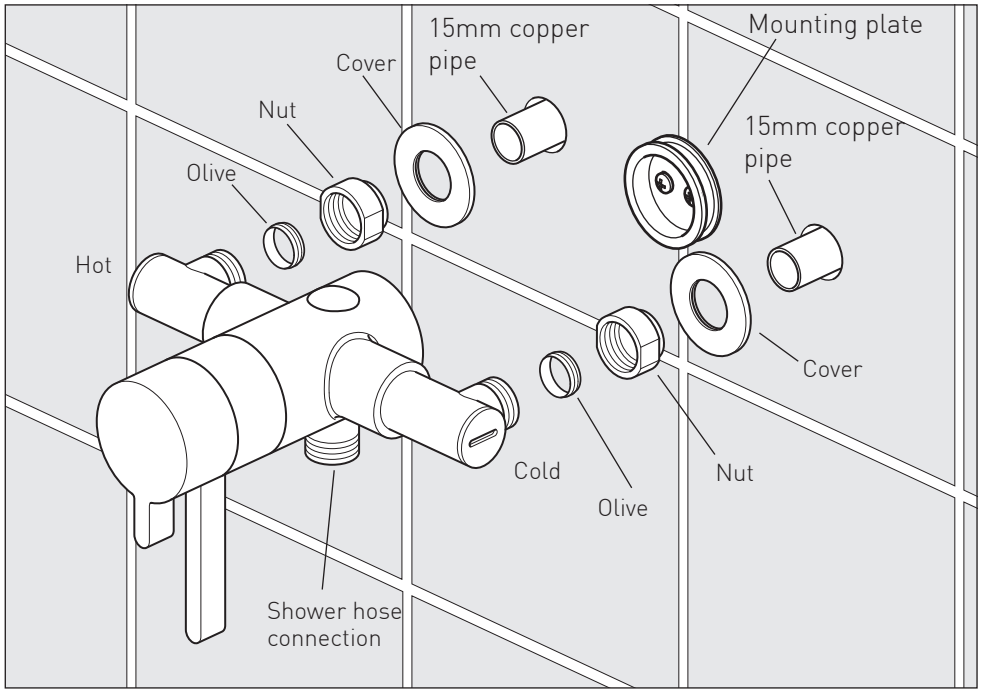


Fig. 3



Installation



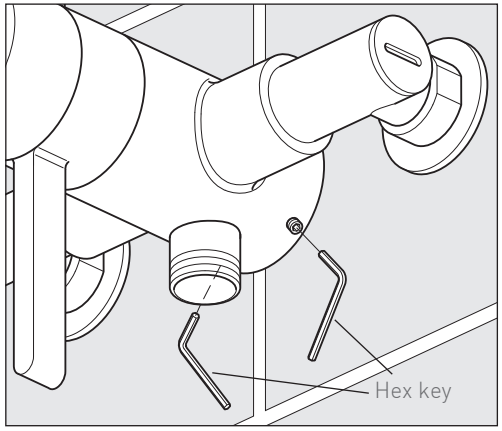
During and after installation protect the outer parts of the valve to avoid damage to plated surfaces.

Place the covers over the copper pipes, followed by the nuts and the olives.

Push the valve onto the copper pipes and the mounting plate, tighten both the nuts on the inlets being careful not to damage the plated surface.

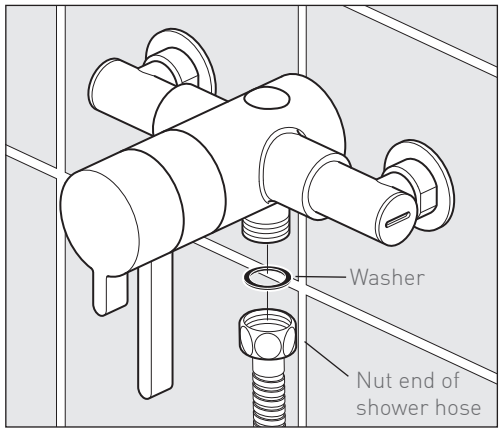
Installation

From the underside tighten both grub screws to secure the valve in position.



Shower hose

Place a rubber washer into the nut end of the hose and attach it to the valve outlet.



Commissioning

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 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 from the outlet with a thermometer, when the temperature control handle is located at 6 o'clock.

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

2. If the temperature is not 38°C proceed to reset the calibration as follows:
Remove the temperature control handle **(see fig.1)**
Ensure the step on the stop ring is located at 4 o'clock **(see fig.2)**.
Do not remove the stop ring. Turn the spline of the thermostatic valve clockwise to decrease the temperature and anti-clockwise to increase the temperature until 38°C is achieved at outlet.
Note: the sensing part of the thermometer probe must be fully submerged in the water that is to be tested.
Replace the temperature control handle ensuring that the lever is located at 6 o'clock **(see fig.3)**.
With the handle attached ensure the temperature does not exceed 42°C when turned anti-clockwise to the fully hot position **(see fig.4)**.

Your valve setting is now commissioned.

Fig. 1

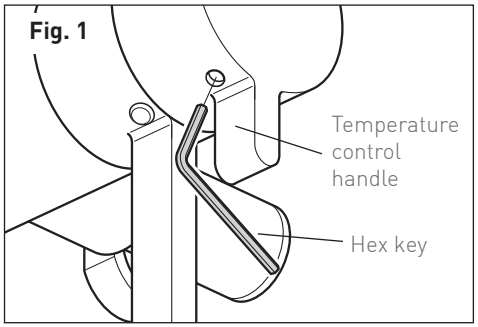
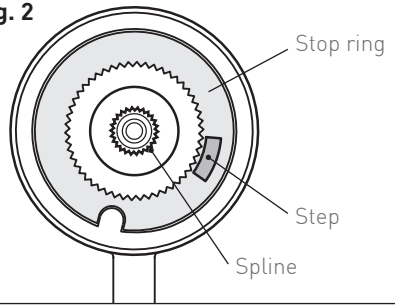


Fig. 2



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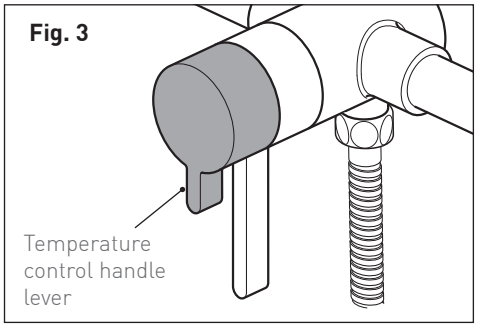
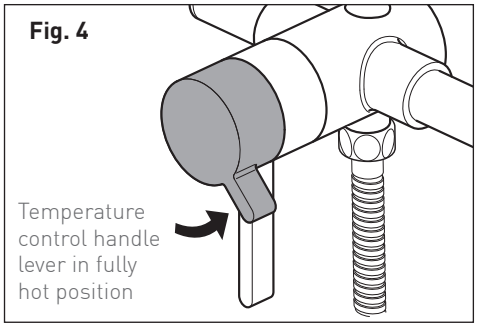


Fig. 4



Notes: