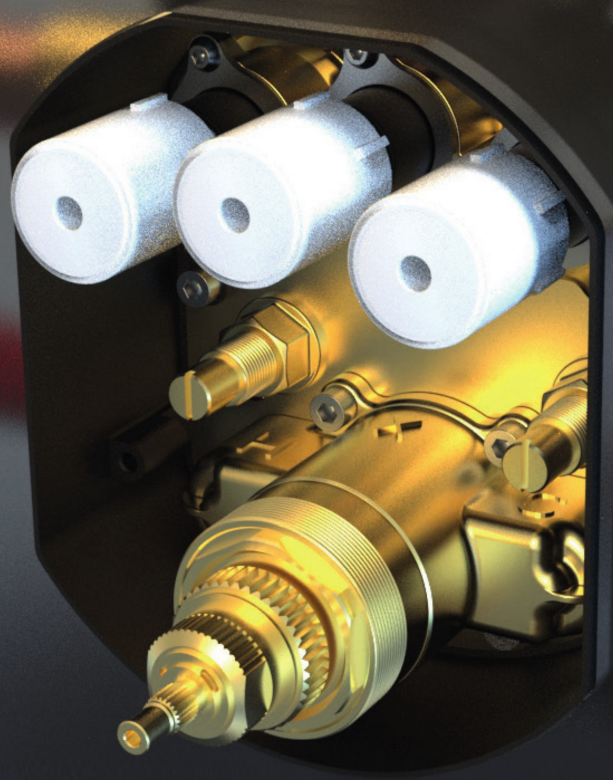


ELISA™

Aquahub



Installation Guide

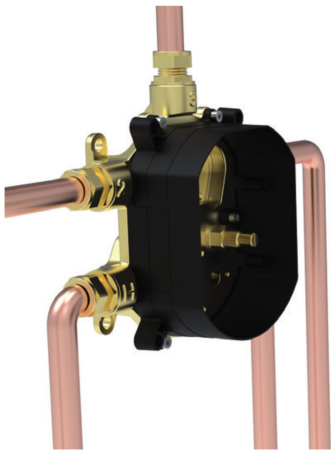
Installation Stages

Thank you for choosing an Elisa product to enhance your bathroom design.

The installation of this product is a 3 stage process:

Stage 1

Fitting the Aquahub and preparation for outlet accessories



This guide covers the installation of Stage 1

Stage 2

Fitting the valve assembly



Stage 3

Fitting the compression plate and fascia



This booklet provides information for Stage 1, please refer to the separate installation guide for other stages 2 and 3 and the individual guides for outlet accessories.

The outlet accessories guides will provide helpful information so you can plan the pipe runs and terminate in the required fittings / connectors.

Installation and user guides are packed with all of our products and for your convenience they are also available by visiting **[elisabathrooms.com](https://www.elisabathrooms.com)**.

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- 5 Guarantee
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- 6 Water Supply Requirements
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Installation

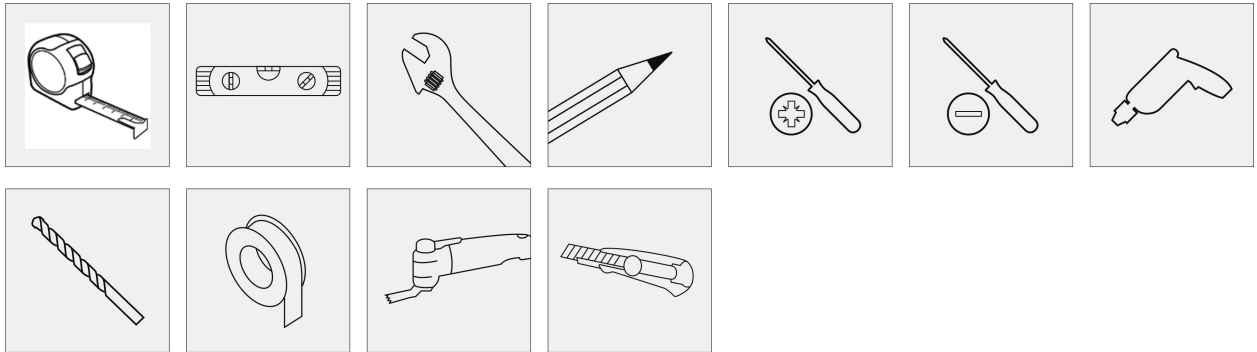
- 16 Cavity Wall - Rear mounted panel installation
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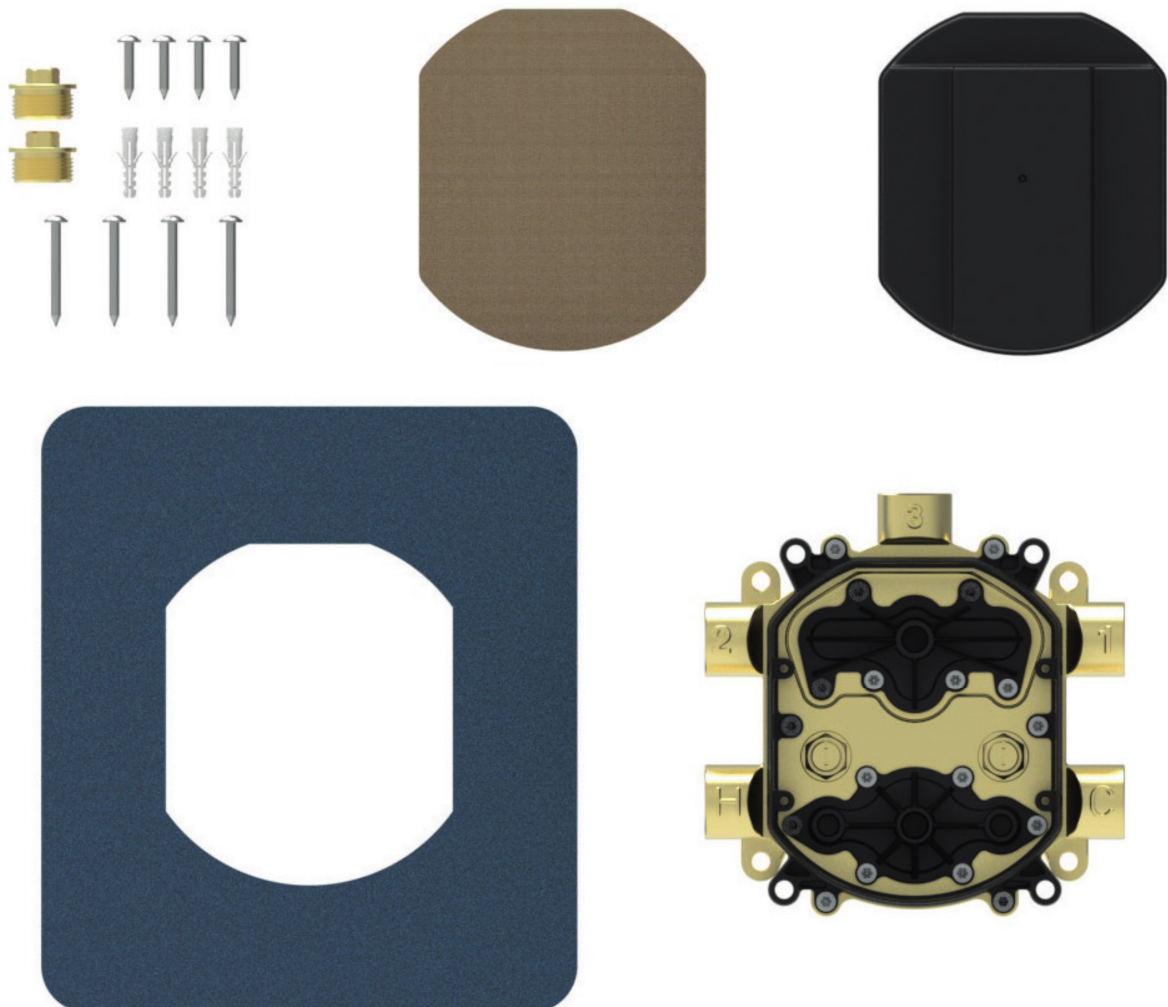
Important Information

This product must be installed by a competent person in accordance with the relevant Water Supply Regulations. Prior to installation, ensure all literature supplied with this product is read and understood. We have taken great care to ensure that this product reaches you in perfect condition, however, should any parts be damaged or missing please contact your point of purchase. If you require assistance, please contact the Customer Helpline. The Aquahub is supplied with universal fixings intended to secure it to a suitable surface.

Tools Required



Components



Guarantee

Elisa products are supplied complete with a 1-year parts and labour guarantee that can be upgraded by registering the product with Elisa.

See **elisabathrooms.com/register-your-guarantee** for details.

Before you start

This product complies with EN1111.

This product must be fitted in compliance with the UK Water Supply (Water Fittings) Regulations 1999. If in doubt, please contact your local water authority.

- a. Identify all components and check pack contents.
- b. Turn off water supplies.
- c. Suitable isolation valves must be fitted to both supplies in accordance with current Water Supply Regulations and our terms of warranty. Valves must be accessible for warranty and servicing.

Pipe Sizing and Connections

- a. The Aquahub inlets and outlets accept G 3/4" male fittings.
- b. Pipework can be run in 15mm or 22mm and, where required a suitable reducer fitted for connection to outlets and accessories.
- c. Note: refer to the separately supplied installation instructions to check the sizing requirements for connections to the outlets and accessories.
- d. Pumped Gravity Systems - to maximise performance we recommend using 22mm pipework.

Flushing



Some modern fluxes can be very corrosive and, if left in contact, will attack the working parts of this unit. All soldering must be completed, and the pipe work thoroughly flushed out in accordance with current local and national Water Supply Regulations prior to connection of the product.

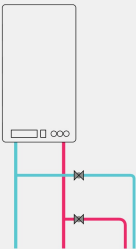
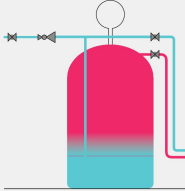
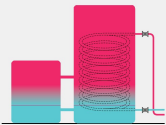
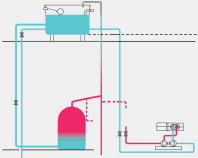

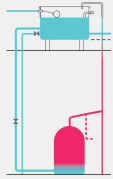
Water Supply Requirements

Temperature	Min.	Max.	Recommended
Hot water	55°C	65°C	55-65°C
Cold water	10°C	15°C	10-15°C

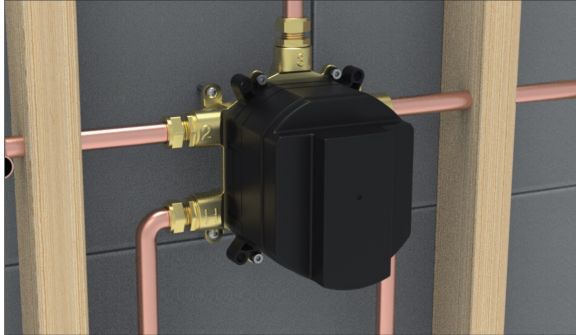
Pressure	Min.	Max.	Recommended
	1 bar	10 bar	*5 bar

*When water pressure is higher than 5 bar a pressure reducing valve (not supplied) must be fitted before the mixer. A setting of 3 bar is recommended.

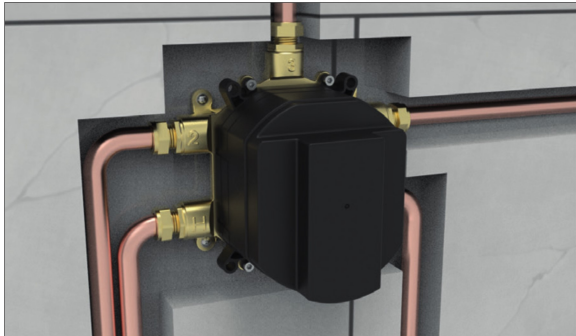
Water System Compatibility

Water System	Compatible	Notes
Combination Boiler 	✓	The appliance must have a minimum domestic hot water rating of 24kW and be of the type fitted with a fully modulating gas valve. If in any doubt, contact the appliance manufacturer before installation commences.
Balanced High Pressure 	✓	The capacity of the hot water cylinder must be capable of meeting the anticipated demand. Hot and cold supplies MUST be balanced in accordance with the manufacturer's instruction.
Thermal Store 	✓	Hot and cold supplies MUST be balanced in accordance with the manufacturer's instruction.
Pumped Gravity 	✓	<p>MINIMUM pump rating of 1.5 bar. For optimum performance a 2.5 bar pump should be used.</p> <div>  <p>A universal/negative head type twin ended pump (works on both positive and negative head conditions) MUST be installed.</p> </div> <p>The minimum actual capacity of the cold water storage cistern should be not less than 225 litres (50 gallons). The capacity of the hot water cylinder must be capable of meeting the anticipated demand.</p>
Gravity 	✗	Not compatible.

Example Installation Types



Front access - stud wall



Front access - chased into
breeze block wall



Rear access - fixed to panel

Preparation

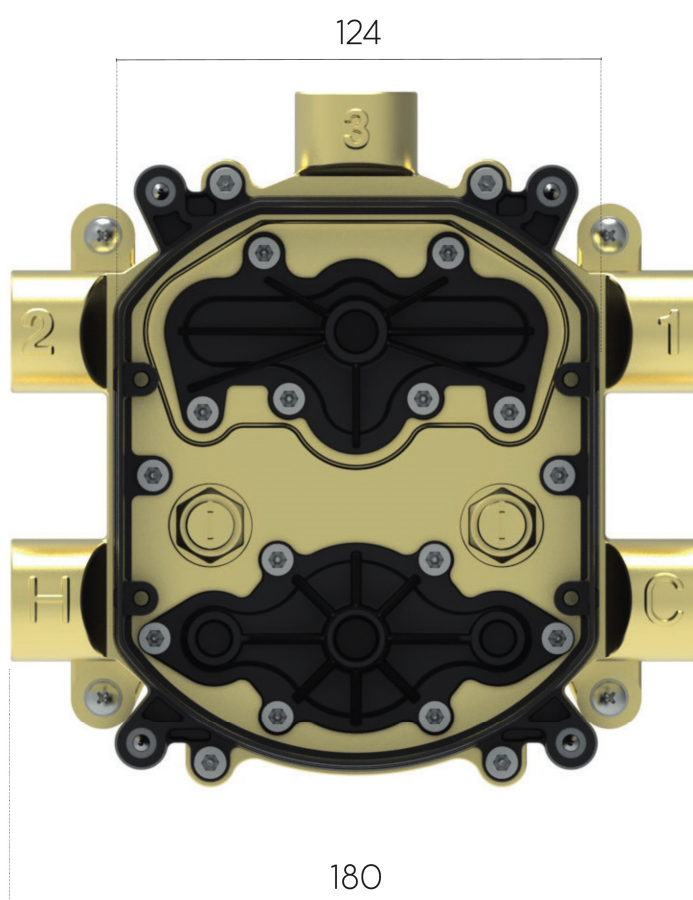
Dimensions and Installation Depth



To ensure valve depth is correct, consider all of the substrate materials in the wall thickness (on average approx. 15-25mm).

Examples:

- Backboard
- Waterproof shower panel board and adhesive
- Membrane
- Tiles and adhesive

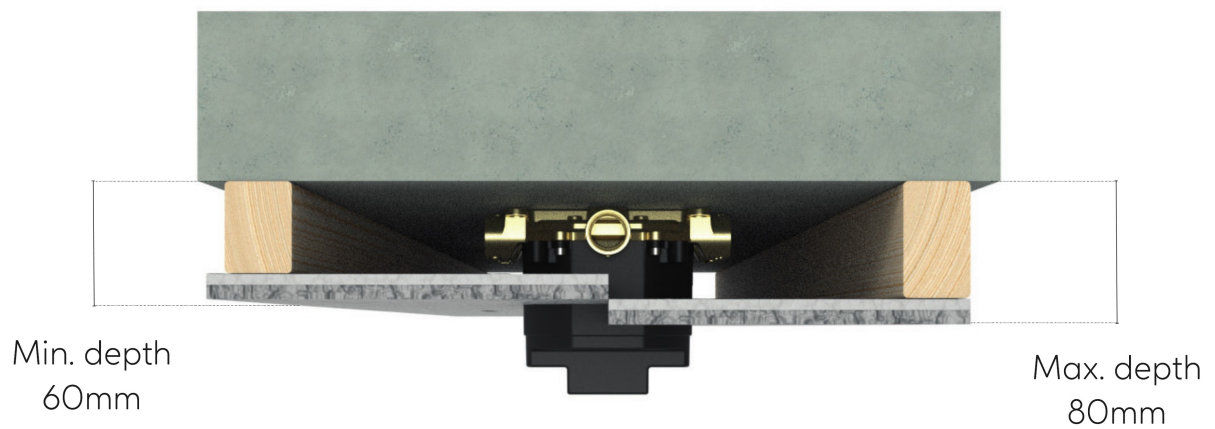


All units in mm

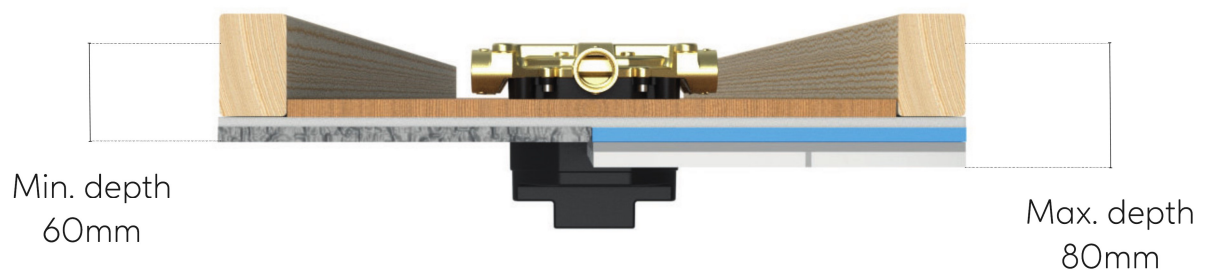
Preparation

Dimensions and Installation Depth

Front Mounted valve - view from above



Rear Mounted valve - view from above



Preparation

Example of pipe work configuration



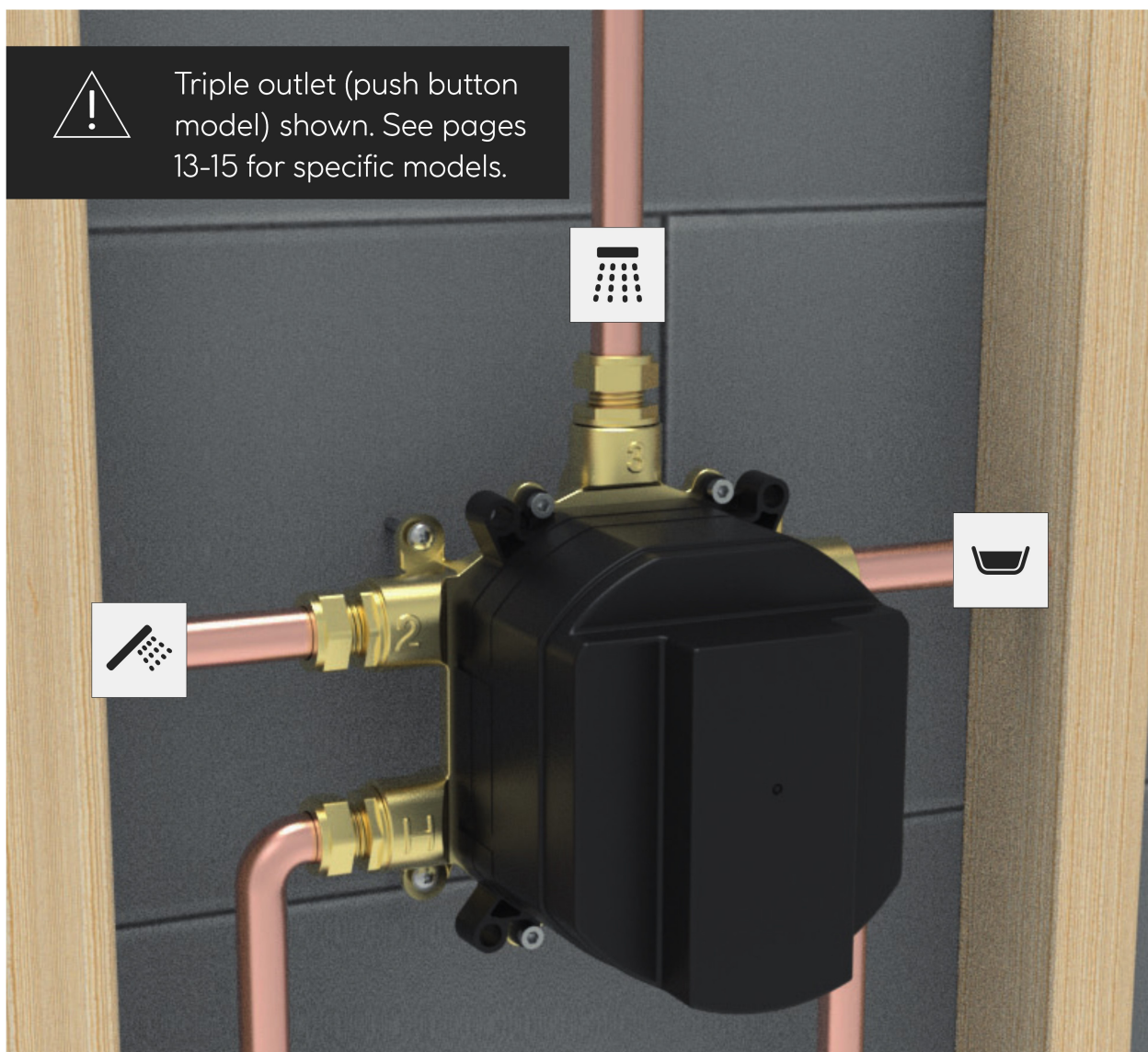
Pipework should be secured using suitable clips.

Isolation valves **MUST** be fitted to the hot and cold feeds and be in an accessible location.

Refer to separately supplied installation guides for outlets to determine the type of terminating connection required.



Triple outlet (push button model) shown. See pages 13-15 for specific models.

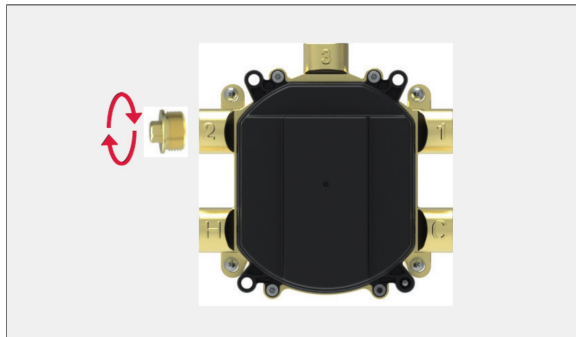


Preparation

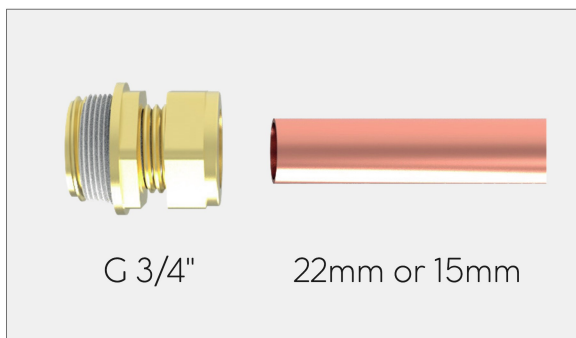
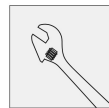
Inlet and Outlet Connections



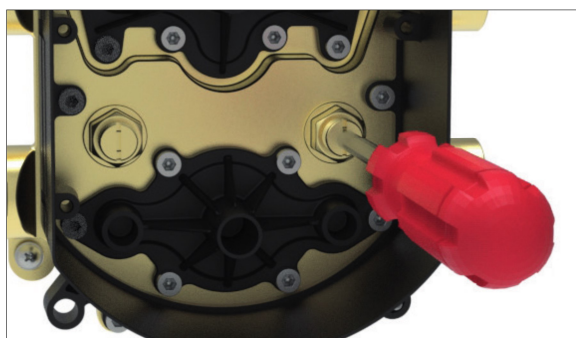
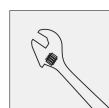
For ease, do the inlet and outlet preparation on a workbench or similar.



1. Fit blanking plugs (supplied) to outlets not being used.



2. Inlet Supplies and Outlets. Utilise copper pipes and G 3/4" connectors (not supplied).

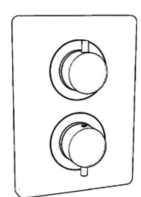


3. Ensure that the built-in servicing valves are in the closed position (screwed down) prior to connecting water supplies.

Preparation - Single Outlet

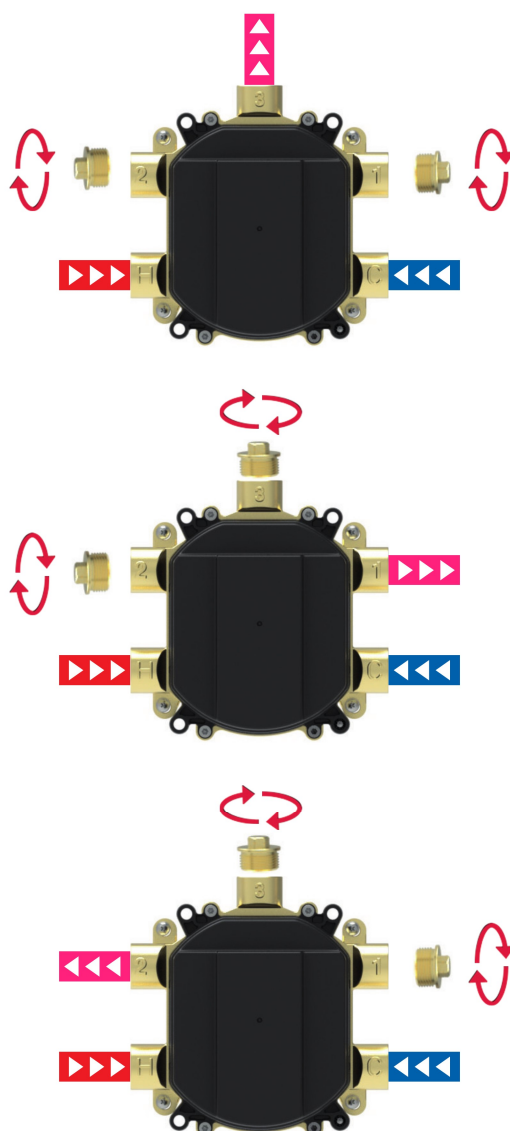


See preparation steps before installing.



Dial Models

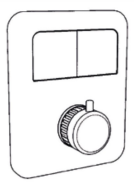
Single outlet only compatible with dial models.



Preparation - Dual Outlet

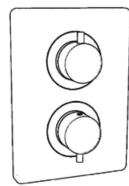


See preparation steps before installing.



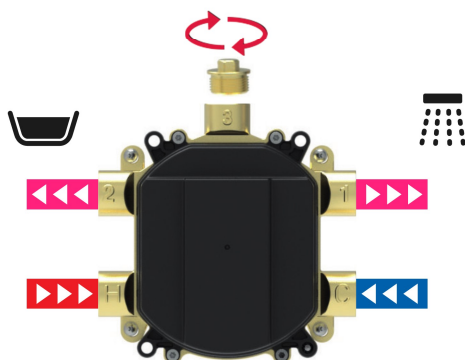
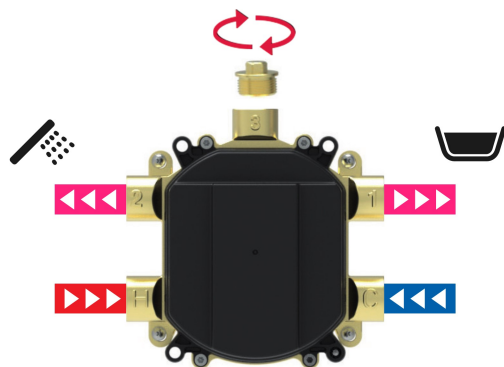
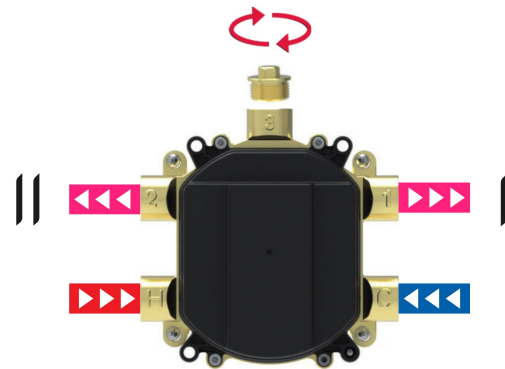
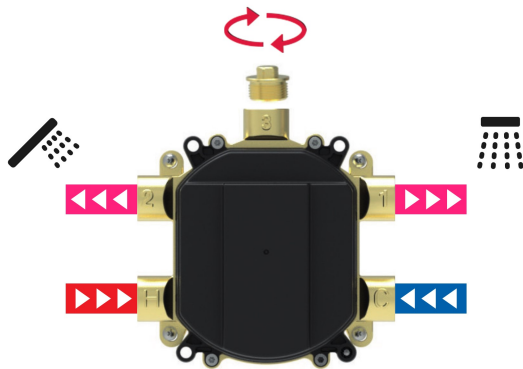
Push Button

Top connection cannot be used as an outlet and **MUST** be blanked off.




Dial Models


Line symbols indicate markings to correspond with the fascia plate.

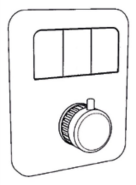


Preparation - Triple Outlet

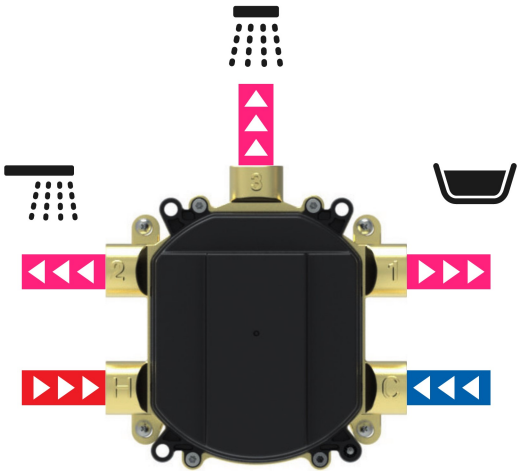


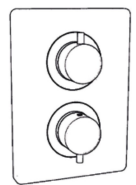
See preparation steps before installing.



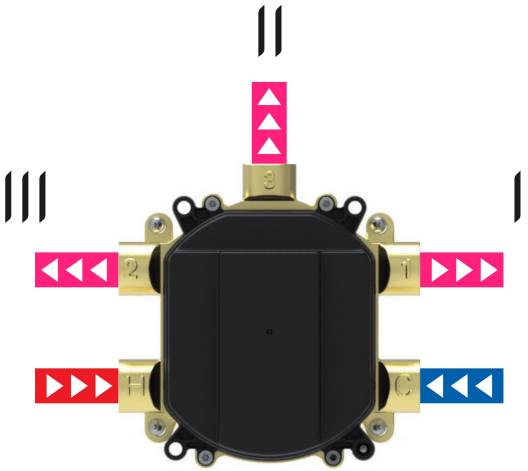


Push Button



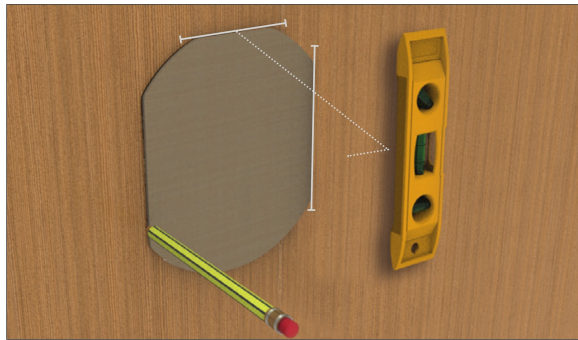


Dial Models
Line symbols indicate markings to correspond with the fascia plate.



Installation

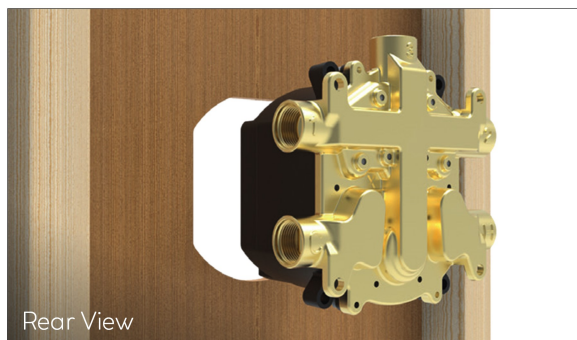
Cavity Wall - Rear mounted panel installation



1. Use the supplied template to mark the location for the valve on the panel, ensuring level. Retain the template for later use, see pages 22 and 23.



2. Using a suitable tool trim out the panel.

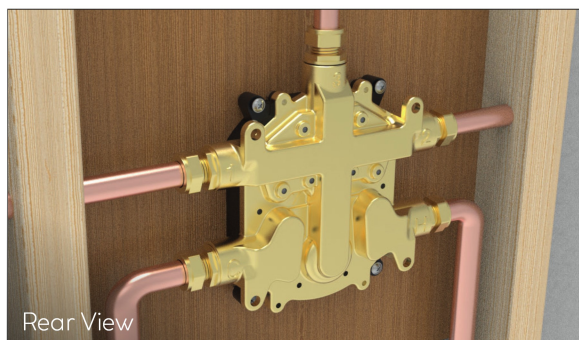


3. Offer the valve into position and secure using the rear mounted fixing points as shown in point 5.



4. Check to ensure valve is level.

Installation



5. Connect hot and cold supplies and outlet pipe work to the designated connections.

See pages 11-15.



Secure pipework using suitable clips.

Isolation valves **MUST** be fitted to the hot and cold feeds and be in an accessible location.

Refer to separately supplied installation guide for outlets to determine the type of terminating connection required.

Installation

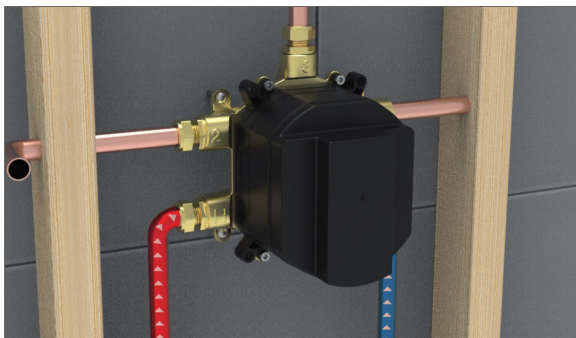
Front Mounted - Wall installation



1. Check to ensure valve is level.



2. Secure using the fixing points.



3. Connect hot and cold supplies and outlet pipework to the designated connections.

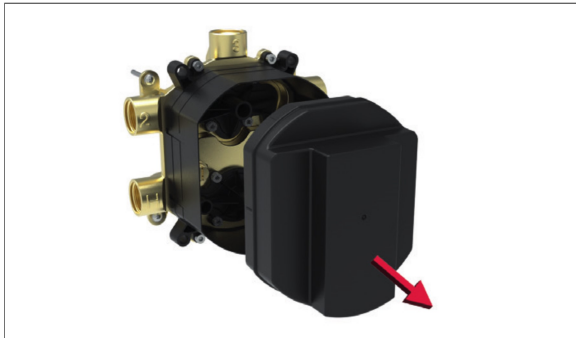


Pipework should be secured using suitable clips.

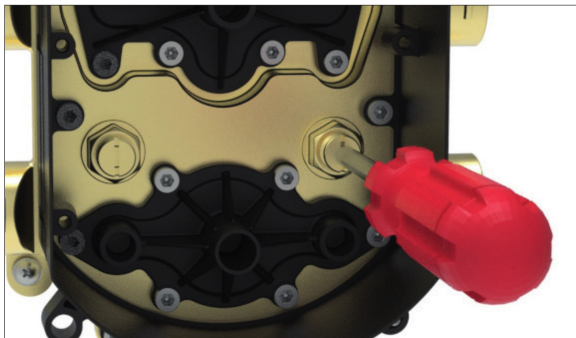
Isolation valves **MUST** be fitted to the hot and cold feeds and be in an accessible location.

Refer to separately supplied installation guide for outlets to determine the type of terminating connection required.

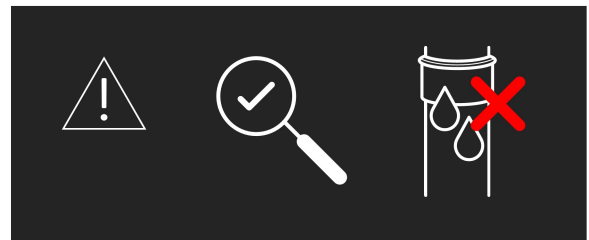
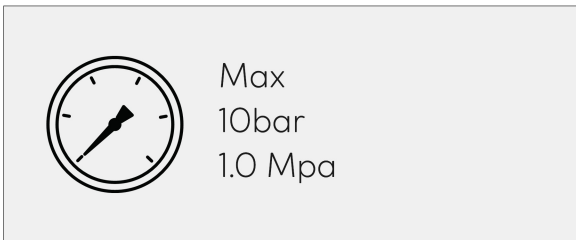
Pressure and Leak Testing



1. Remove protective cover.



2. Close servicing valves (screwed down).



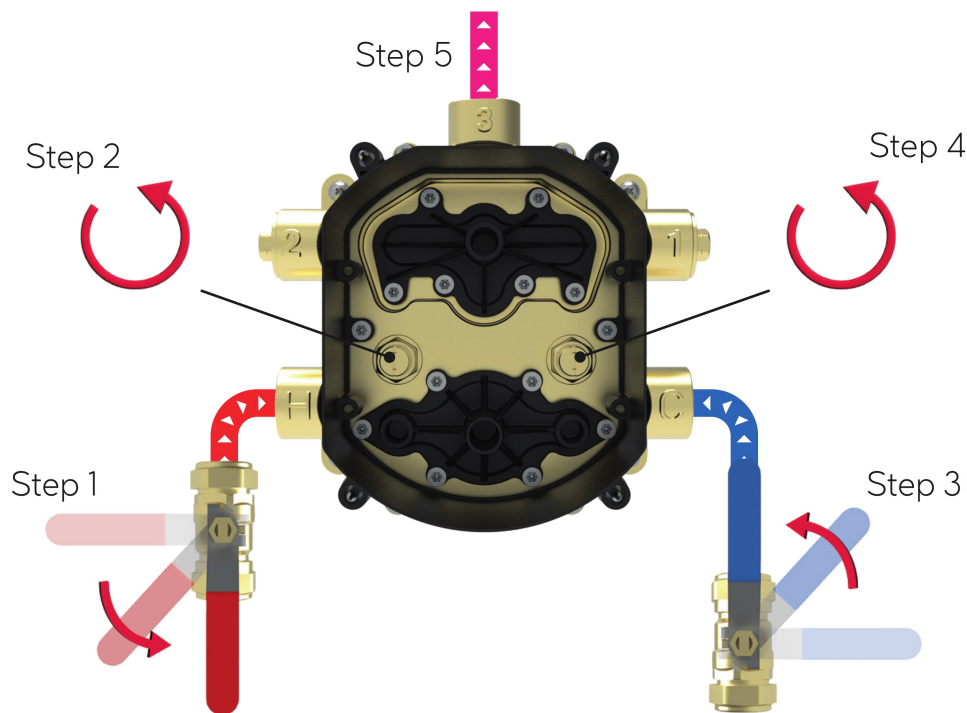
Commissioning: Pressure and Leak Testing



Ensure that the built-in servicing valves are in the closed position (screwed down prior to opening the water supplies).

Check for leaks at each stage and before proceeding to the next step.

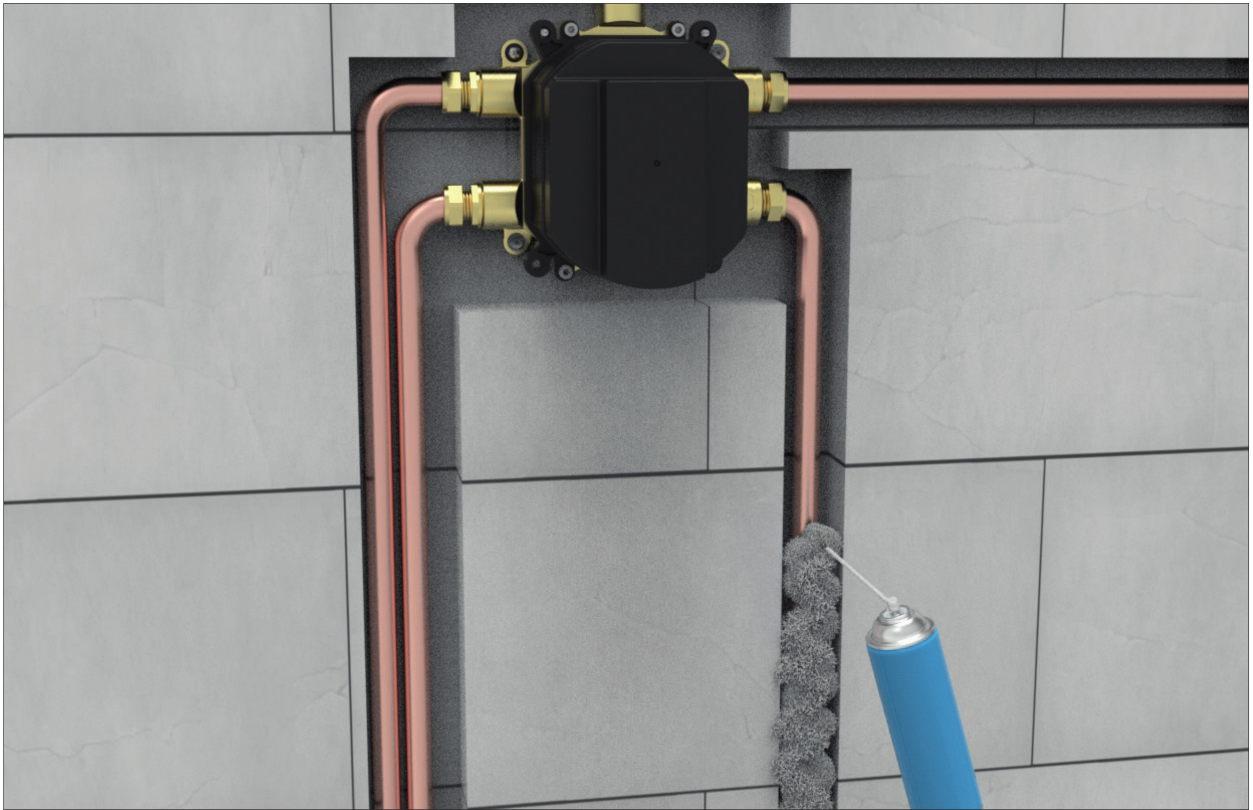
Ensure that the outlet pipework is capped off or closed to allow for pressure testing.



1. Open the hot water supply isolation valve.
2. Unwind (open) the built-in hot water service valve.
3. Open the cold water supply isolation valve.
4. Unwind (open) the built-in cold water service valve.
5. If no leaks observed, individually open the outlets to flush through the pipework.
6. Once completed isolate the water using the built-in service valves or the water supply isolation valves.

Finished Wall Stages

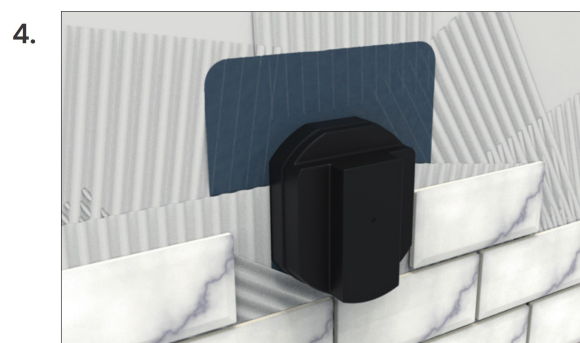
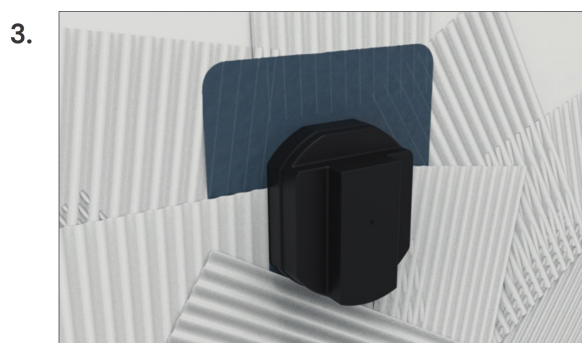
Chased in Wall



Use a suitable expanding foam or like to fill in around the hub and pipework of the chased areas and trim as required.

Finished Wall Stages

Tiled



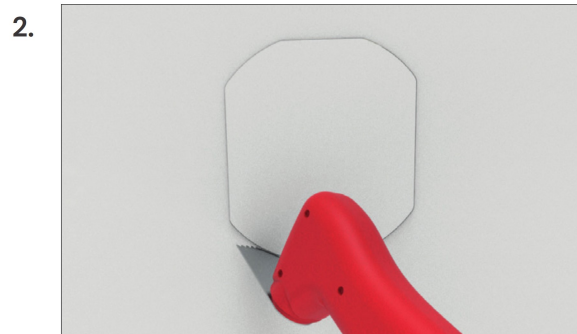
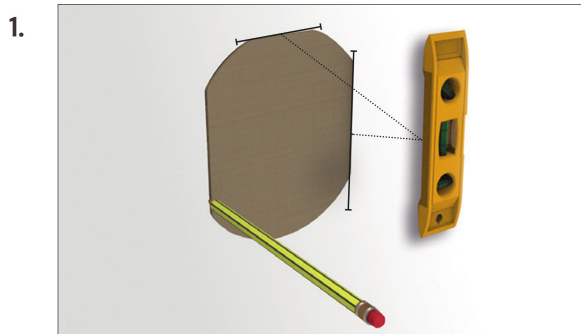
Use the template to protect the finished surface when trimming the shroud.



Proceed to the separately supplied guide for stages 2 and 3.

Finished Wall Stages

Shower Panel



Use the template to protect the finished surface when trimming the shroud.



Proceed to the separately supplied guide for stages 2 and 3.

www.elisabathrooms.com

The Flyers Way, Westerham, Kent TN16 1DE, UK

Register your guarantee instantly at
www.elisabathrooms.com/guarantee

Speak to our Customer Service team on
01959 560003



The company reserves the right to alter, change or modify the product specifications without prior warning.

Q5693 Part No 706447 Issue 01 - Mar 22