

## General Cleaning

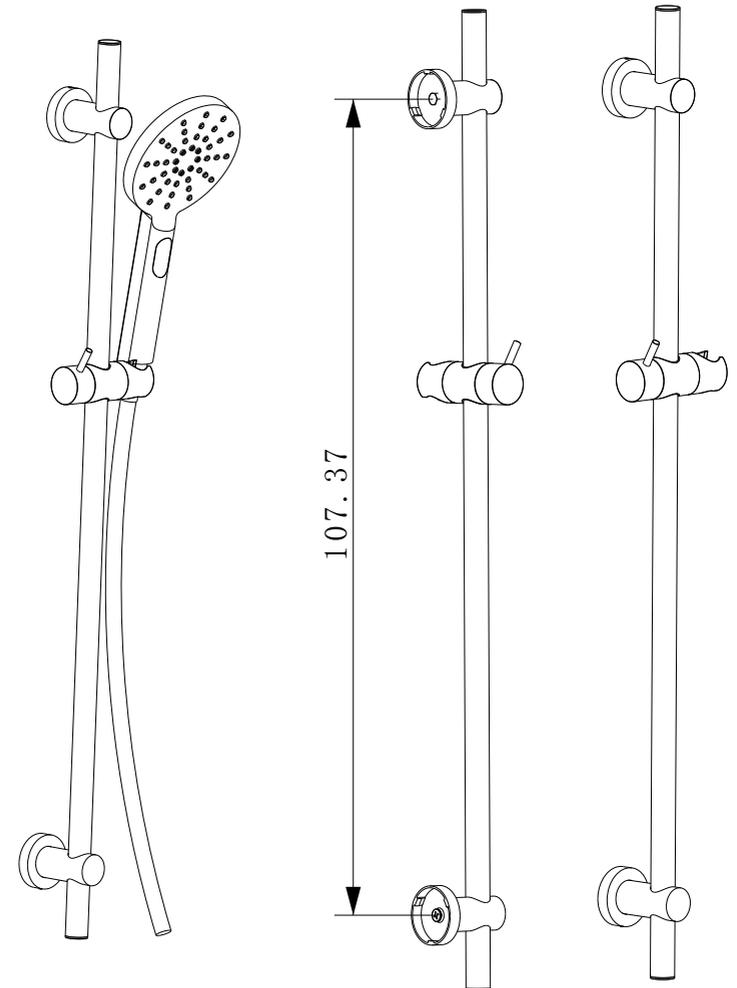
Products are made from premium materials, with hand polishing and electroplated finishes.

Your taps or shower should be regularly cleaned with warm water, a mild pH-neutral liquid soap, and polished with a soft cloth. Any residues from soap, toiletries etc. should be rinsed off straight after use. fail to follow the cleaning instruction may result the warranty invalid.

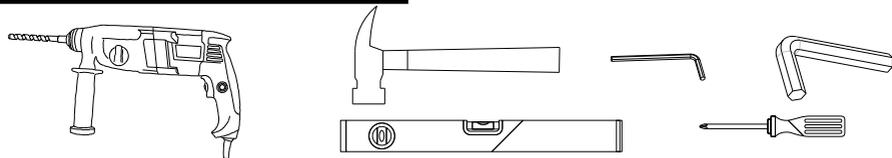
Household bleaches and cleaners contain harsh chemicals and may damage the surface finish. Avoid using abrasive cloths, scouring pads, scrub sponges, steel wool or anything similar.

Some surfaces such as nickel and pewter may be affected by the dye found in some cloths, so it is also important to avoid hanging cloths on surfaces.

## Shower slider rail kit Installation

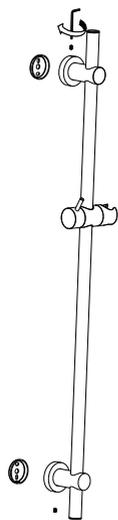


## Tools You'll Need

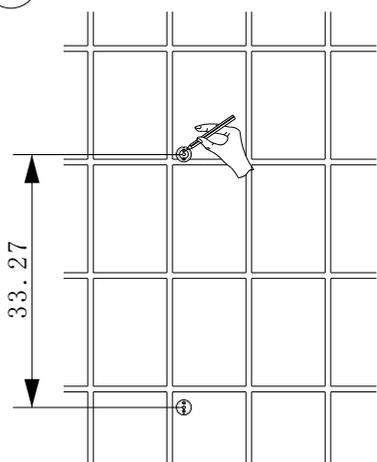


**WARNING!** Check there are no hidden cables or pipes before drilling holes for wall plugs. Use great care when using power tools near water. The use of a residual current device (RCD) is recommended.

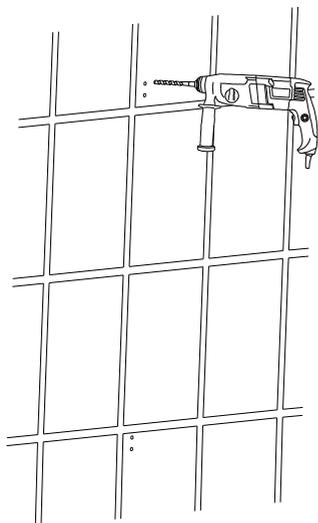
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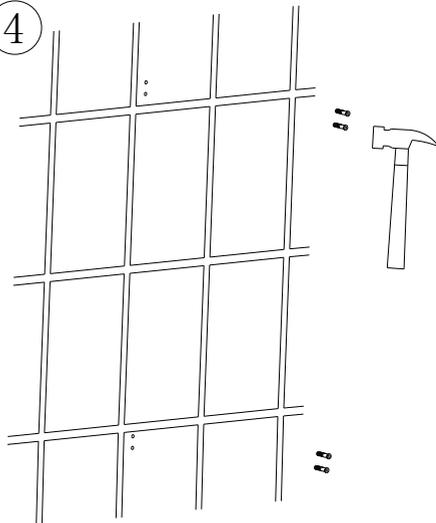
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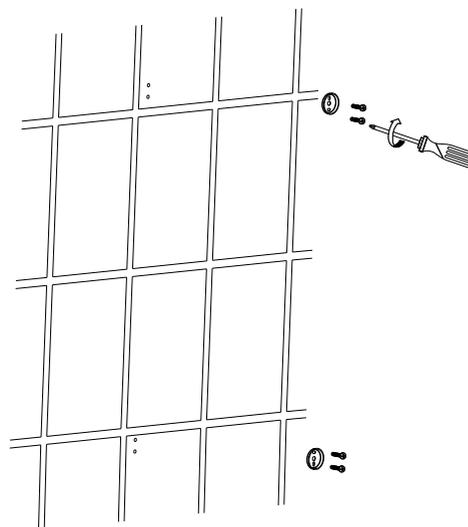
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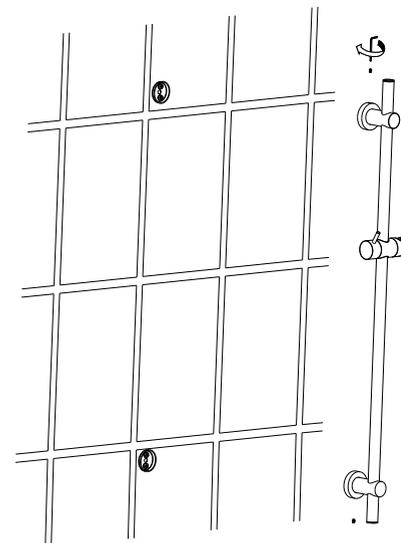
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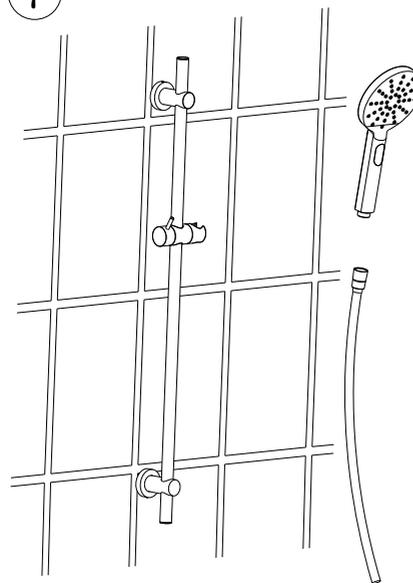
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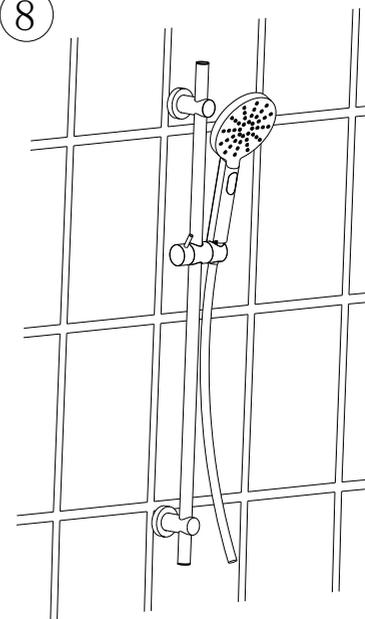
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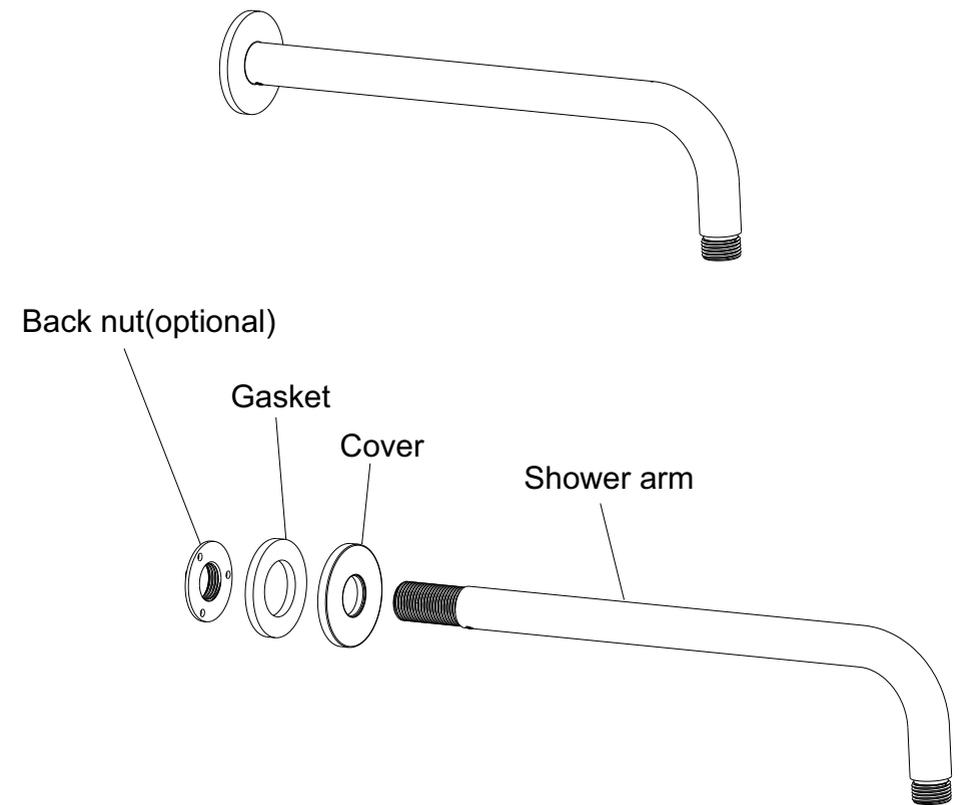


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**Note:** The installation diagram is for reference only and subject to the real objects.

# Shower arm Installation



This ceiling arm is intended to be used in conjunction with other products, such as shower or blending valves, diverter, stopcocks and shower roses.

## Tools You'll Need



## INSTALLATION

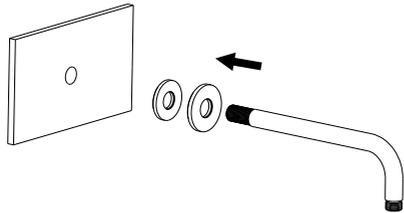
The ceiling arm should be arranged in your system to accept a supply of flow controllable mixed water.

1. Identify all components, study diagram and check for completeness, particularly before arranging fitting.

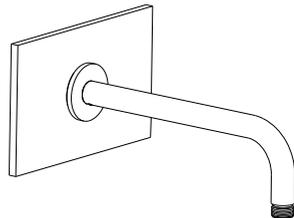
2. The arm is most suitable for mounting via the back nut either side of a panel and/or tiles. However it is possible to support the arm using rigid pipework by connecting via a female G 1/2" BSP to 15mm compression adaptor. The 15mm pipework can then be adjusted to offer the necessary depth and vertical positioning for the eventual shower fixed head.

**⚠** Before finishing wall turn on water supplies to check for leaking from joints / connections.

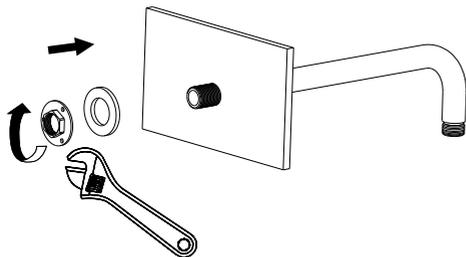
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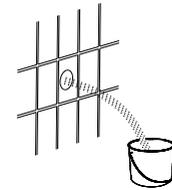
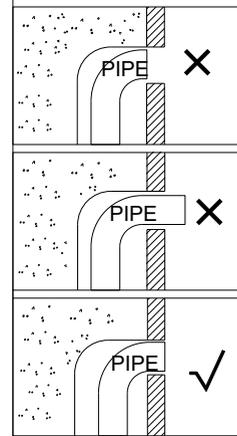
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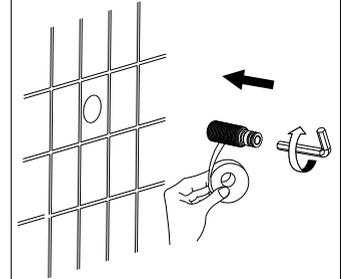
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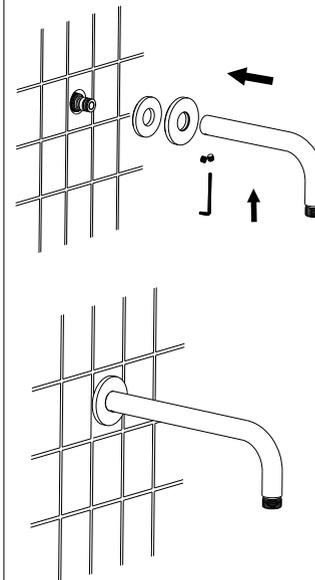
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4



## General Cleaning

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# Round/Square Fixed Shower Head Fitting Instructions

This shower rose is intended to be used in conjunction with other products, such as a shower arm and valve.

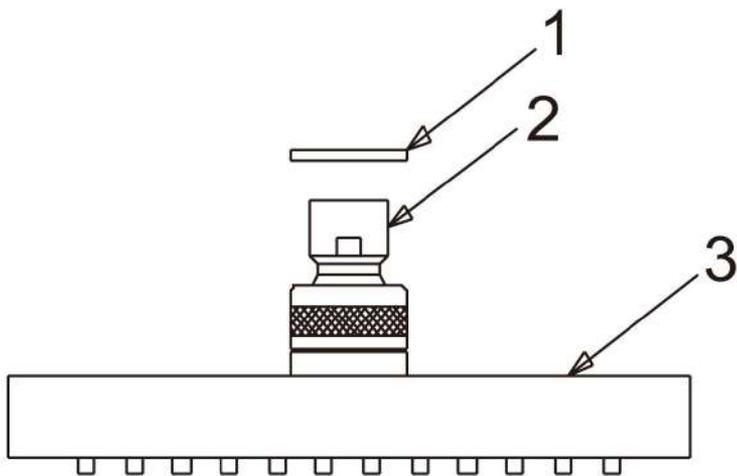
## **INSTALLATION**

This shower head should be arranged in your system with a supply of pre-mixed water from a shower valve.

This product is designed to be fitted to shower arms with a male ½" BSP thread. If replacing a shower head, simply unscrew from the shower arm and replace. The shower head comes with a swivel joint, so the head can be positioned as desired.

Tighten by hand ONLY. Check joint and connections for any leaks, if this occurs check the condition of the washer. Replace if necessary or reseal correctly then re-tighten.

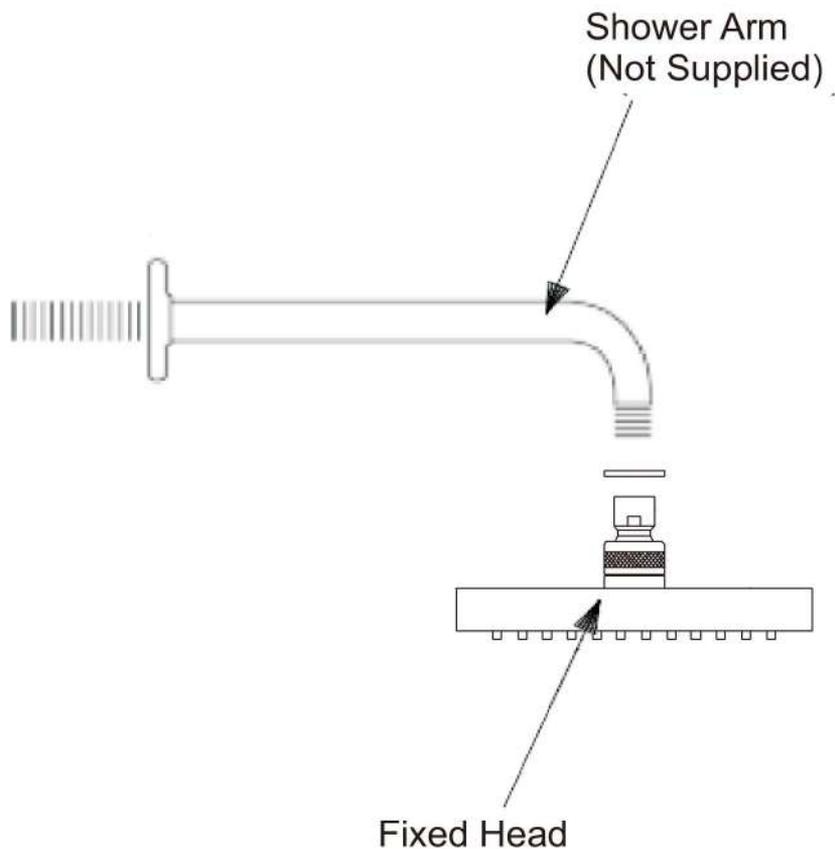
In order to maintain optimum spray, we advise that the shower rose face plate be regularly cleaned, particularly in hard water areas.



## **CONTENTS:**

- |                  |      |
|------------------|------|
| 1. Swivel        | (x1) |
| 2. Rubber Washer | (x1) |
| 3. Shower Rose   | (x1) |

## INSTALLATION DIAGRAM



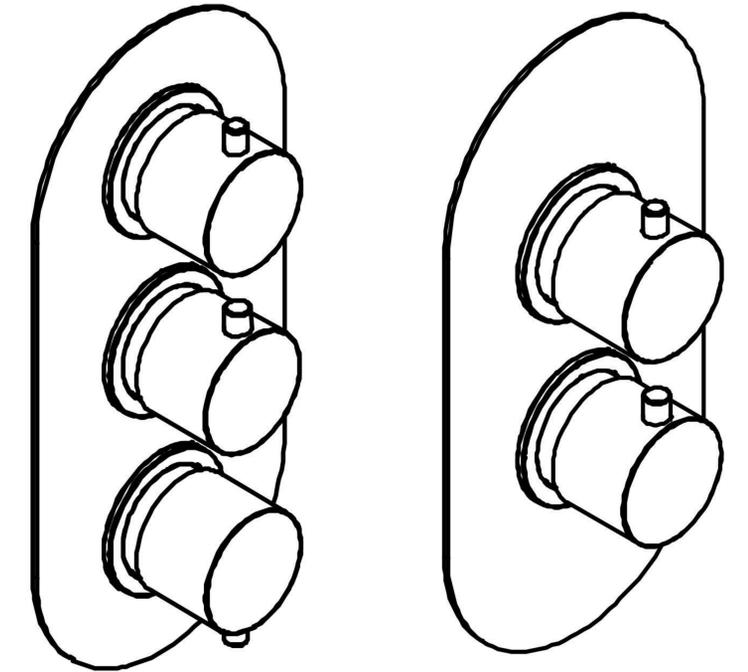
## AFTERCARE INSTRUCTIONS

Your fitting has a high quality finish and should be treated with care to preserve the visible surfaces.

All surface finishes will wear if not cleaned correctly, the only safe way to clean your mixer is to wipe with a soft damp cloth. Stains can be removed using washing up liquid. All bath cleaning powders and liquids will damage the surface of your fitting, even the non-scratch cleaners.

**NOTE: Never use abrasive detergents or disinfectants or those containing alcohol, hydrochloric acid or phosphoric acid.**

# Concealed thermostatic mixer valve Installation



### Tools You'll Need

### Specifications

**Dynamic Water Pressure**  
Min: 0.5 bar    Max: 6.0 bar

**Maximum Static Pressure: 10.0 bar**

### Three handles

**Inlet Water Temperature**  
Cold Water Supply

Min: 5°C Max: 25°C

**Hot Water Supply**

65°C Recommended

**IMPORTANT**  
The inlet hot water must be at least 10°C above the required blend temperature.

### Two handles

1

2

3

**IMPORTANT NOTICE**  
At the beginning that the system pipe work must be flushed before installation, then at the end of the installation, check for leaks before installing the cover plate.

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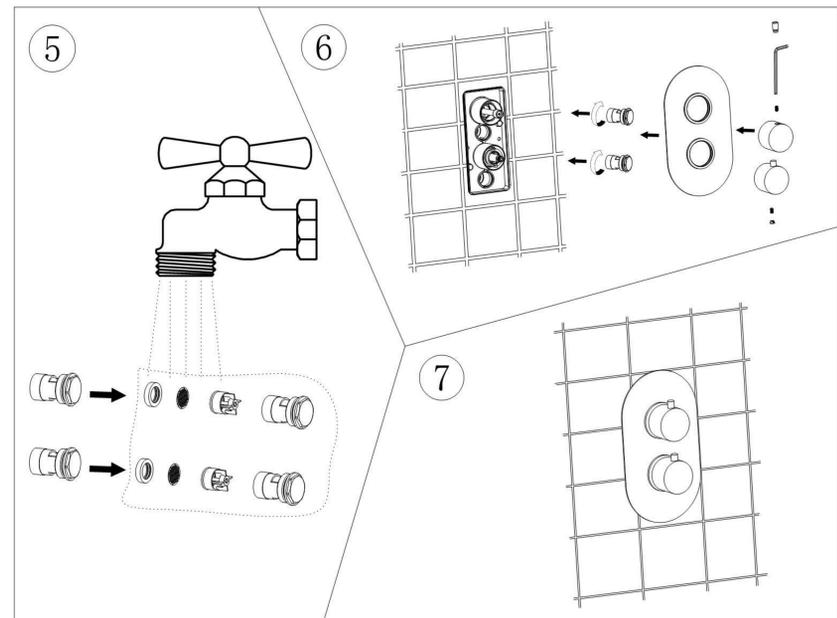
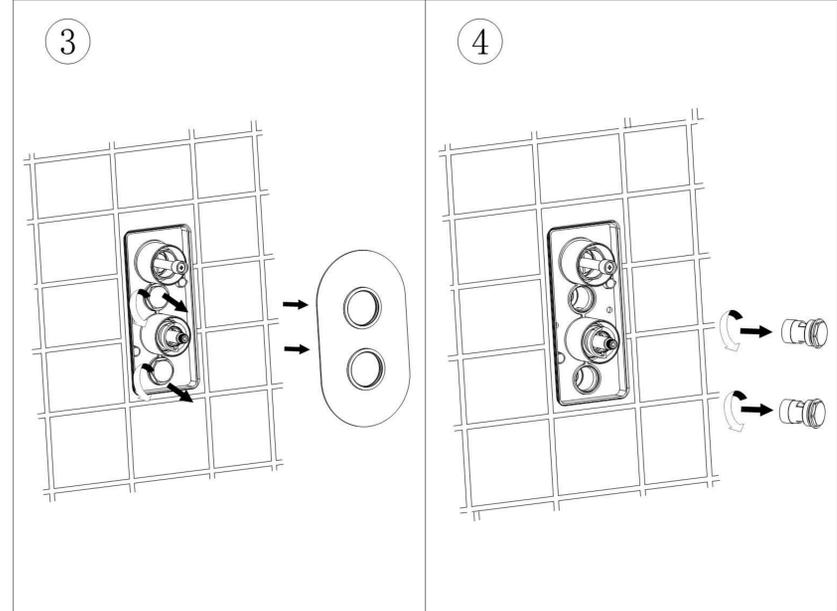
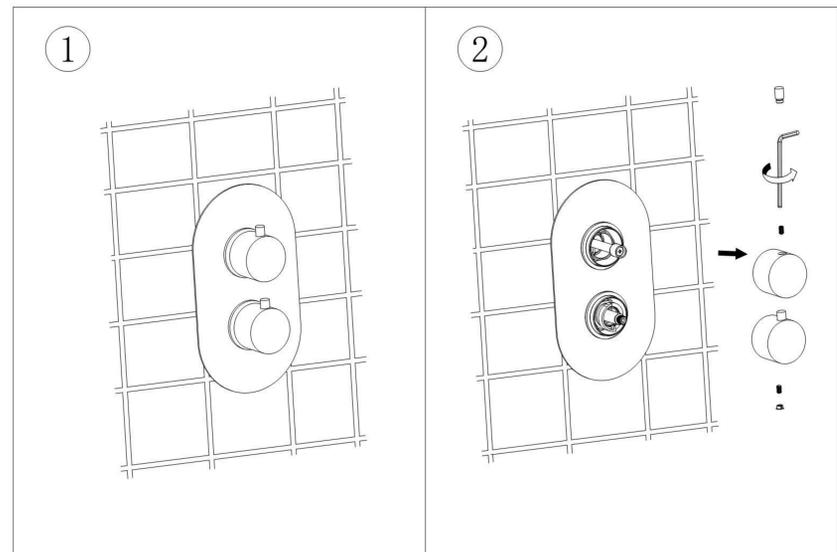
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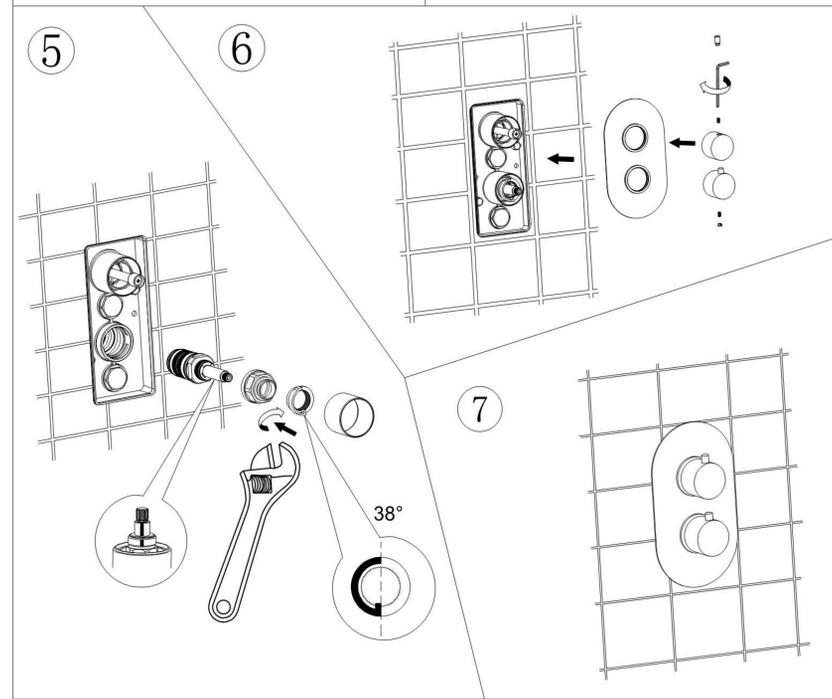
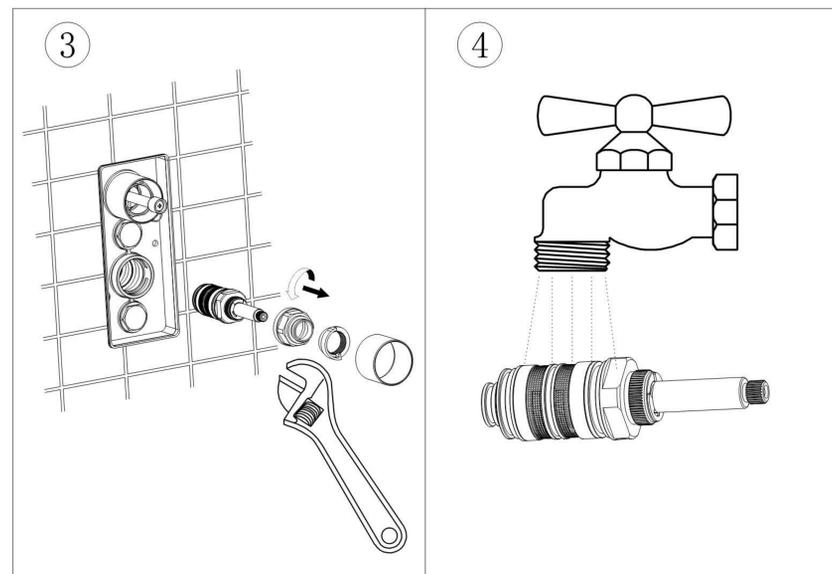
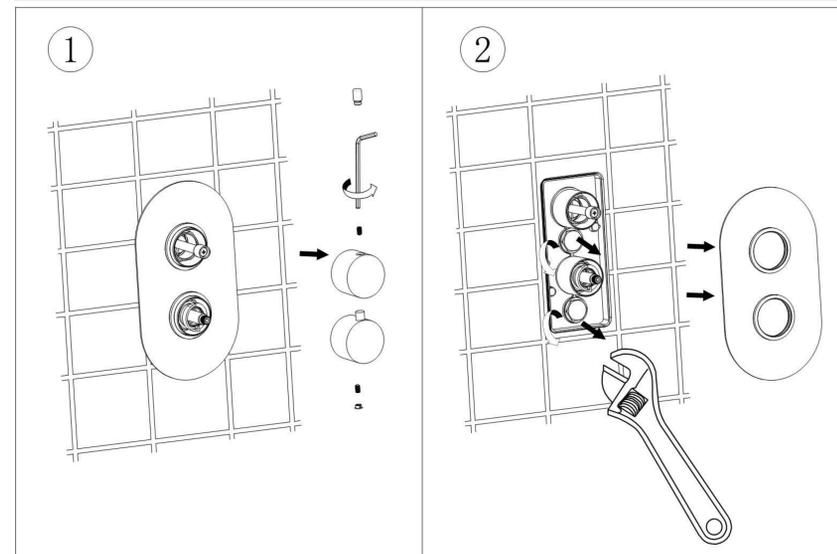
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## Maintenance-Cleaning check valve & mesh filter



## Maintenance-Cleaning Thermostatic Cartridge



## Troubleshooting

Symptom	Cause(s)	Remedy
No flow or low flow rate	Partially closed isolation valve.	Open isolation valve.
	Instantaneous water heater cycles on and off as flow rate or pressure is too low.	Increase water flow rate or pressure through system.
	Head of water is below the minimum distance required.	Refer to your the Specification for the minimum working pressure/distance required.
	Hot or cold water being drawn off elsewhere causing pressure changes or instantaneous boiler temperature changes.	Do not use other water outlets when using the taps.
	Airlock or partial blockage in the supply pipework or hoses.	Flush through pipework to ensure removal of debris and any airlocks.
Water dripping from shower	Water supply failure	Investigate water supply. Check your plumbing and heating systems for any faults.
	This is normal for a short time after using the shower.	This is caused by residual water tension, the build up of water in the shower.
Water dripping from shower	If water continues to drip, possibly due to the ceramic disc valves/cartridge	Refer to the Maintenance section

Shower does not turn on	Closed isolation valve.	Open isolation valve.
	Mains water supply turned off.	Turn on mains water supply

## TECHNICAL DATA

- Standard Pressure: Dynamic water pressure Min0.5Bar-Max6.0Bar.
- Cold Supply Temperature: 4-29°C; Hot Supply Temperature: 55-58°C;
- Thermostatic Temperature Range: 20-50°C.
- Pre-set Temperature: 38°C.
- Safety Mechanism: The mixed water will be immediately cut off when the cold supply is not effective.
- Precise Temperature: It takes approximately 5 seconds to achieve the desired temperature. The actual working temperature will be within  $\pm 2^\circ\text{C}$  of the temperature.
- Temperature Stability: The outlet temperature variation will be within  $\pm 2^\circ\text{C}$  when the inlet temperature is stable and the hot and cold pressure varies by 50%. The outlet temperature variation will be within  $\pm 2^\circ\text{C}$  when the inlet pressure is stable and the hot supply temperature increases from 60°C to 75°C (5°C/min).

## General Cleaning

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Some surfaces such as nickel and pewter may be affected by the dye found in some cloths, so it is also important to avoid hanging cloths on surfaces.

# Wall outlet installation instruction

## Fixing type A

1. Plumb up the pipework from the shower to a 15mm x ½" BSP elbow with fixing lugs (for rigidity). Make sure the depth of the elbow suits the finished wall and the length of thread on the outlet. Screw in the threaded nipple (2) into the elbow using a suitable sealant.

NOTE: - Before finishing the installation turn on the water supplies to check both correct system function and for any leaks from the joints and connections.

2. Finish wall leaving a hole to allow the wall outlet (1) to be screwed into the threaded nipple (2) after finishing the wall.

3. Using suitable sealant, screw the outlet into the threaded nipple with shroud (3) in place.

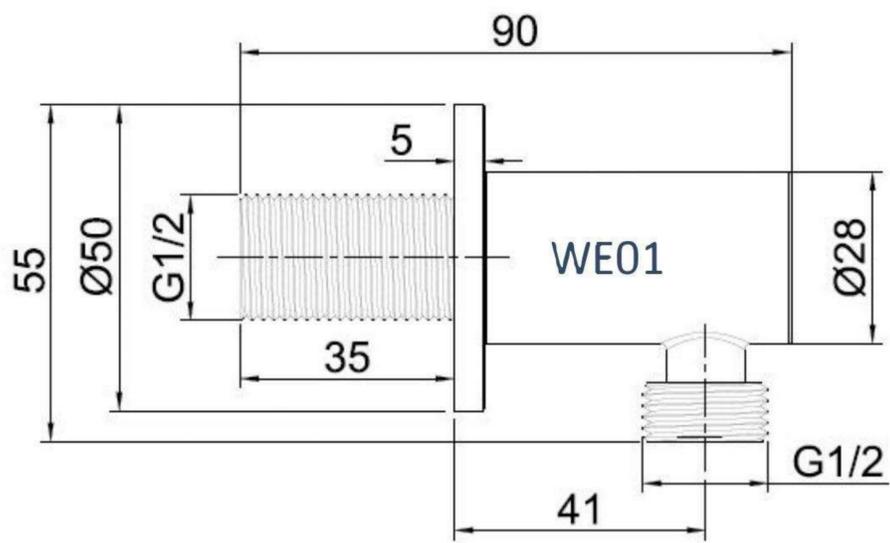
## Fixing type B

1. Using suitable sealant, screw the outlet (1) onto the threaded nipple (2).

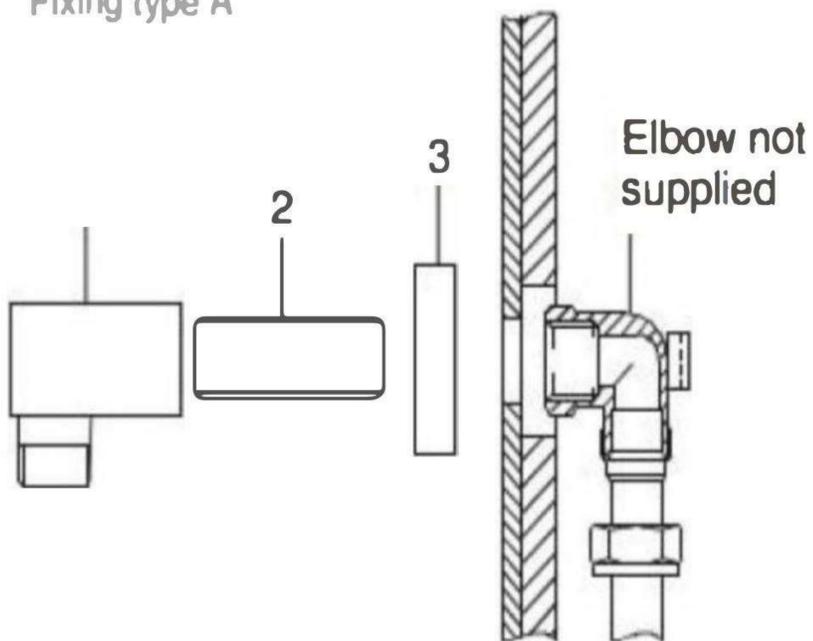
2. Place the shroud (3) over the threaded nipple (2) and onto the wall outlet body (1) prior to fixing it to the wall.

3. Fix the outlet to the wall and secure in place with the G1/2 Nut (4, not supplied) connect to pipework in wall using appropriate adaptor and sealant (not supplied).

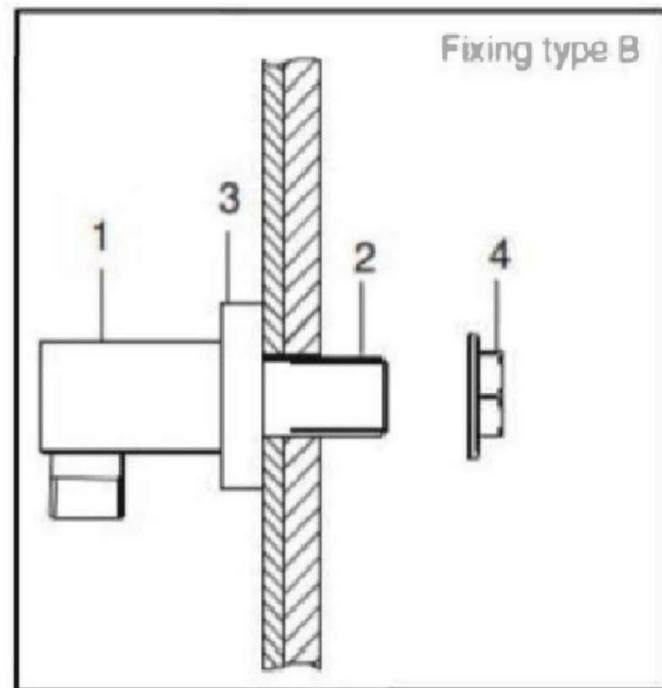
NOTE:- Before finishing the installation turn on the water supplies to check both correct system function and for any leaks from the joints and connections.



Fixing type A



Fixing type B



## cleaning and maintenance

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**NOTE:-** Never use abrasive detergents or disinfectants or those containing alcohol, hydrochloric acid or phosphoric acid.

## maintenance

In order to maintain optimum spray we advise that the handsets/ fixed shower heads be regularly cleaned, particularly in hard water areas. They incorporate soft rubber nozzles that can be flexed regularly by gently rubbing during use to help the holes clear.