This installation guide covers model:

ARR-132-CP
ARR-232-CP

WHERE
INSPIRATION
FLOWS

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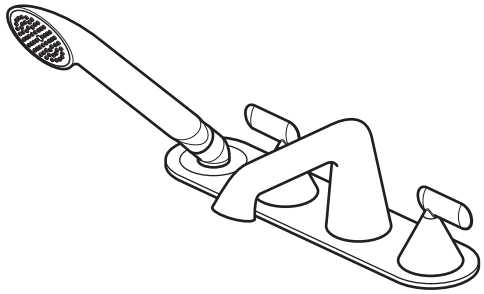
Version 1, 1-4-22

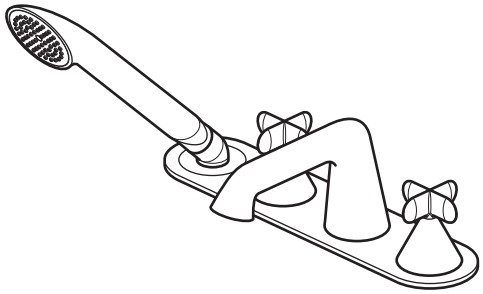
ARRONDI™

Deck mounted 4 hole bath shower mixer

Installation Guide

ARR-132-CP
ARR-232-CP





CONRAN AND PARTNERS

VADO

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.
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.

Please note: installation for the ARR-132-CP is shown throughout this guide, please follow the same instructions to install the ARR-232-CP.

Operating Specifications

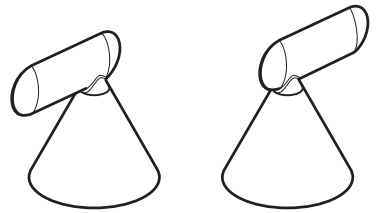
Operating Pressure

Minimum operating pressure - **3 bar**

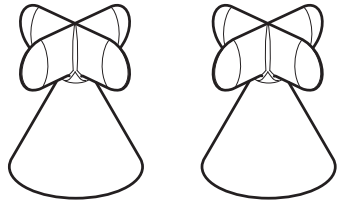
Maximum operating pressure - **5 bar**

Contents of Packaging

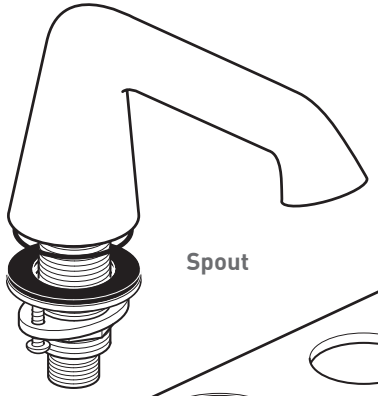
Installation guide & User manual



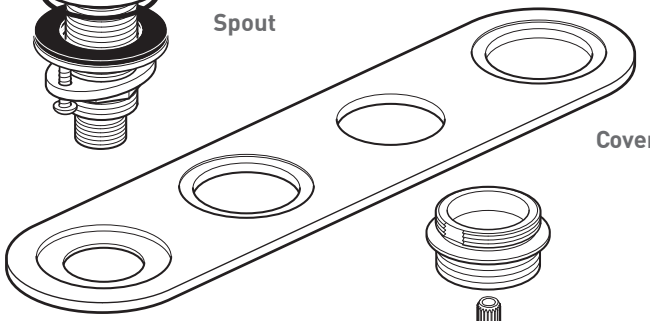
ARR-132 handles to suit your model



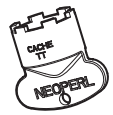
ARR-232 handles to suit your model



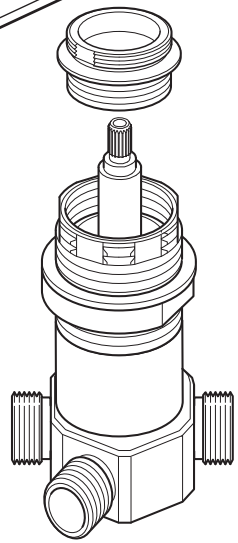
Spout



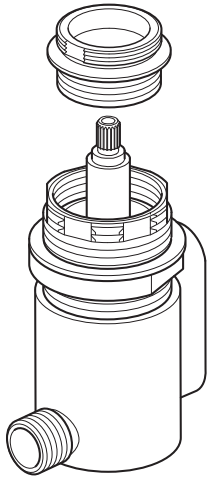
Cover plate



Aerator key

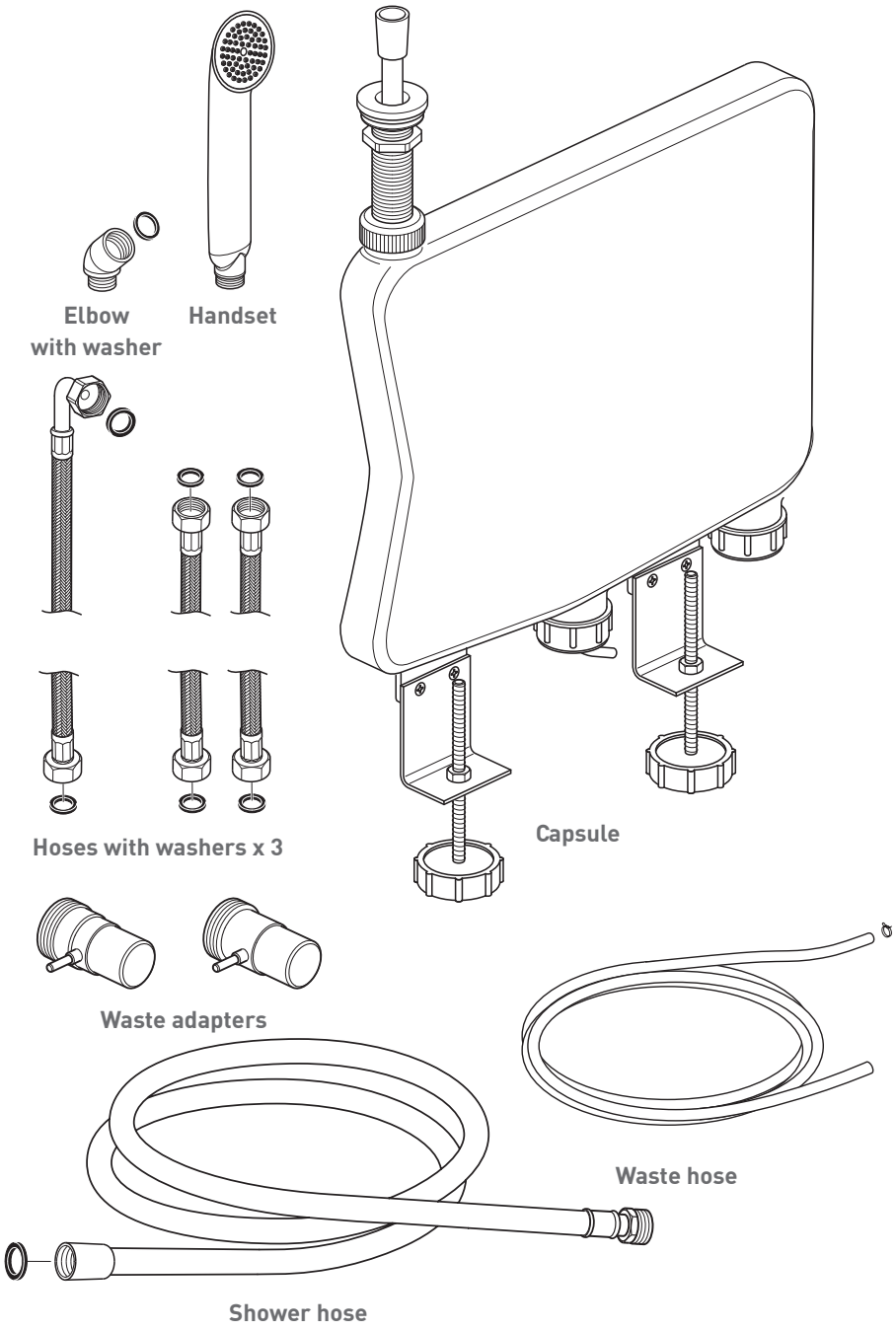


Diverter with cover

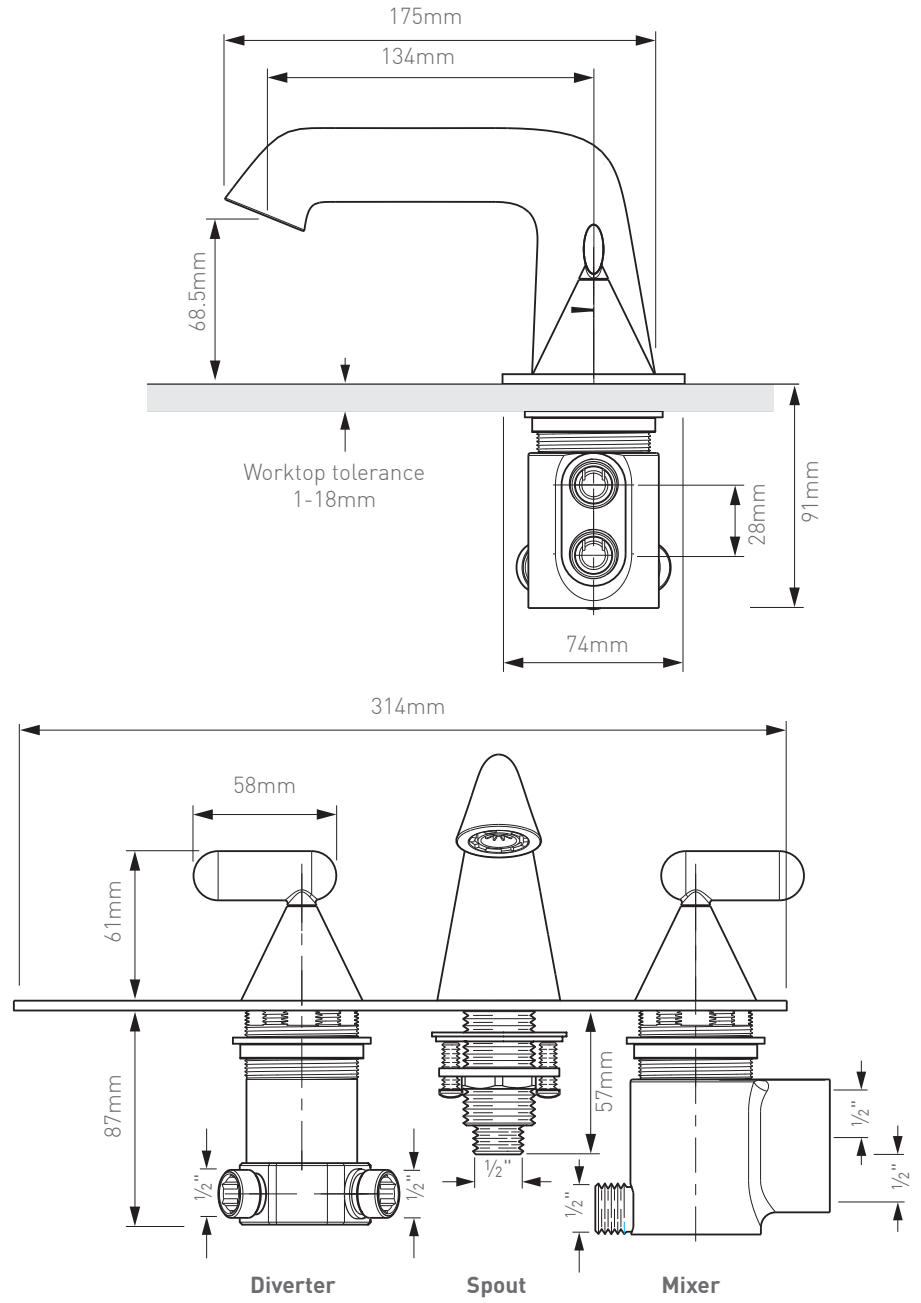


Mixer with cover

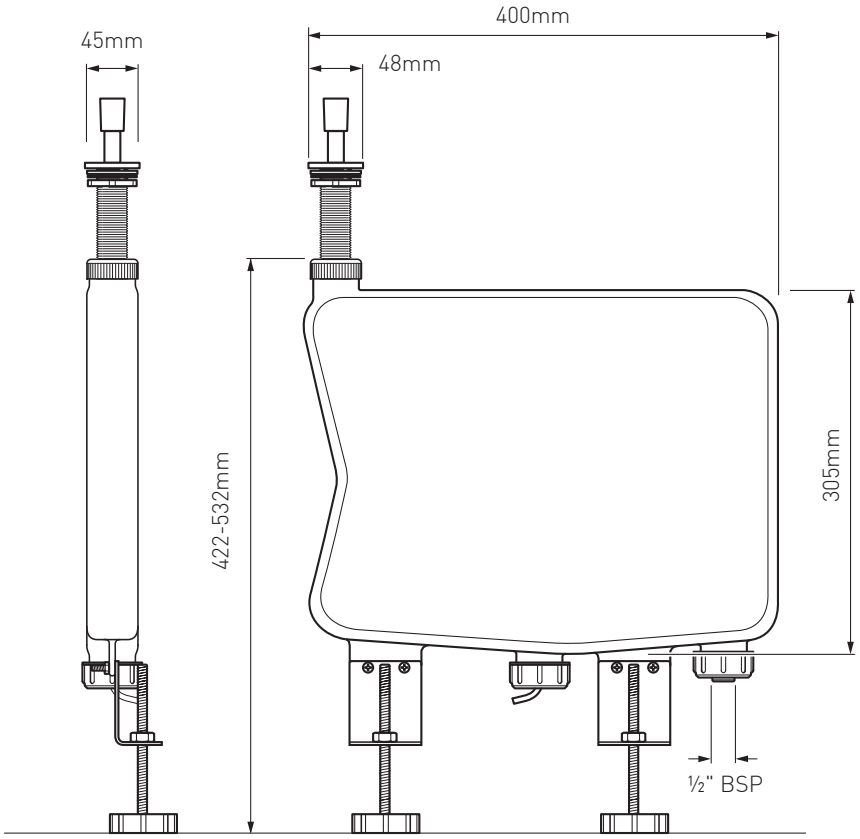
Contents of Packaging

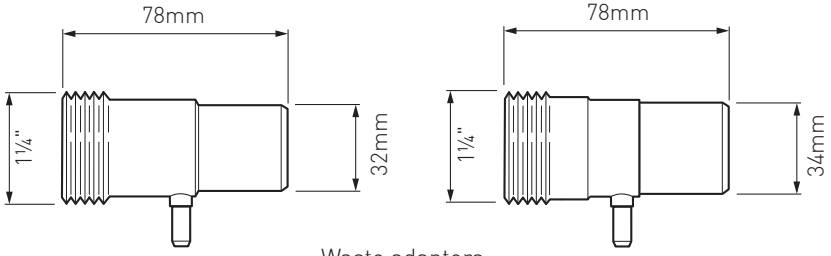


Valve Dimensions



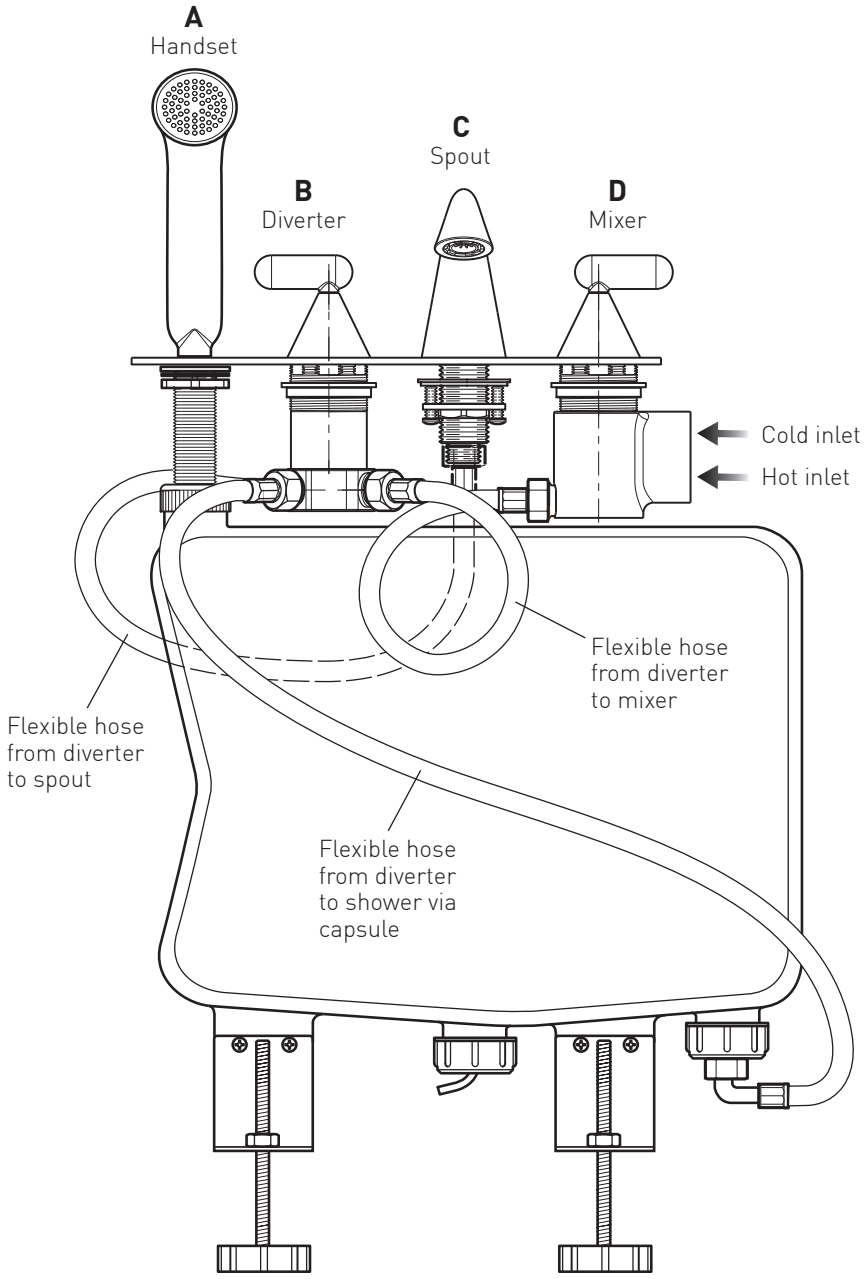
Dimensions

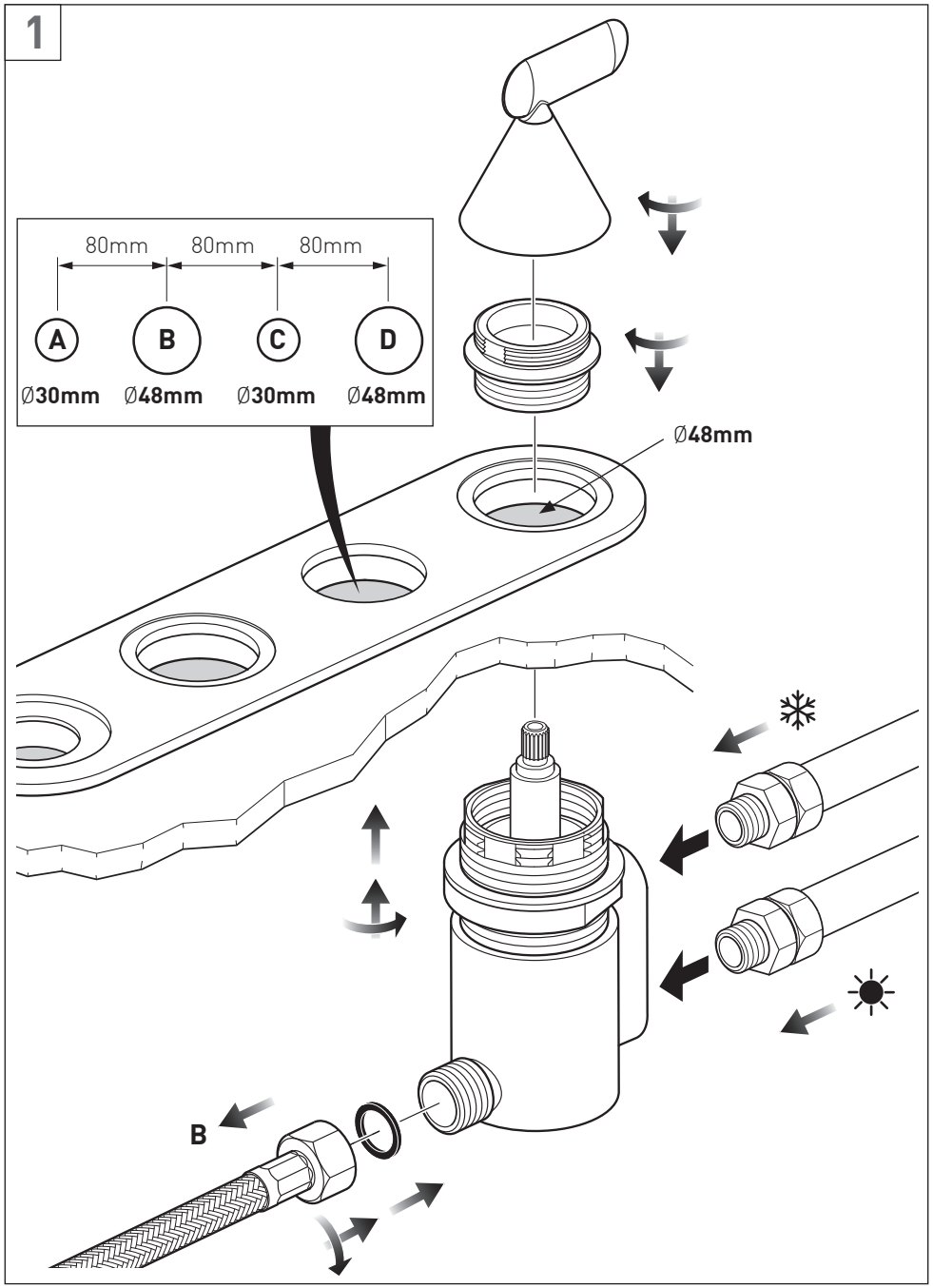




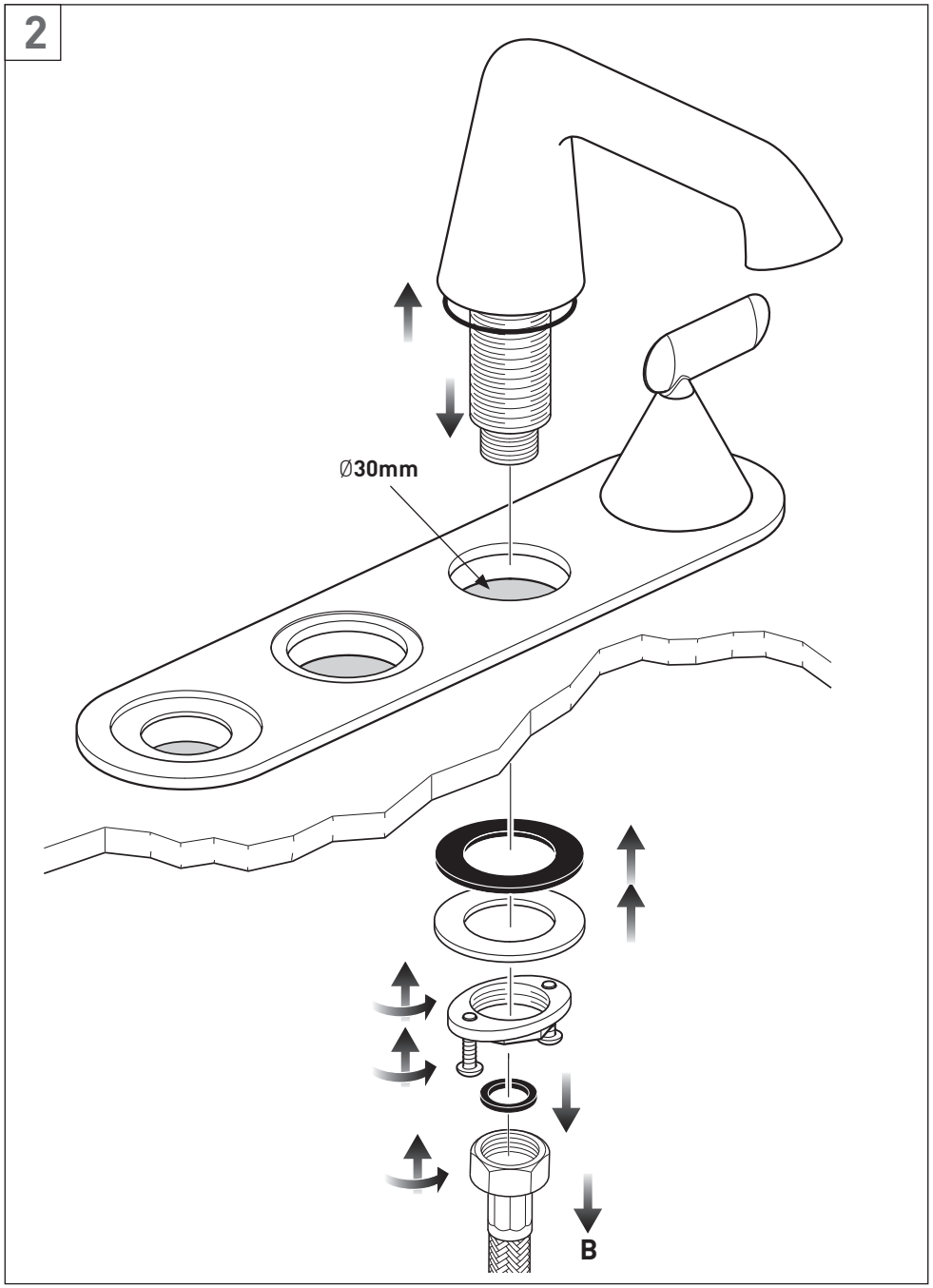
Waste adaptors

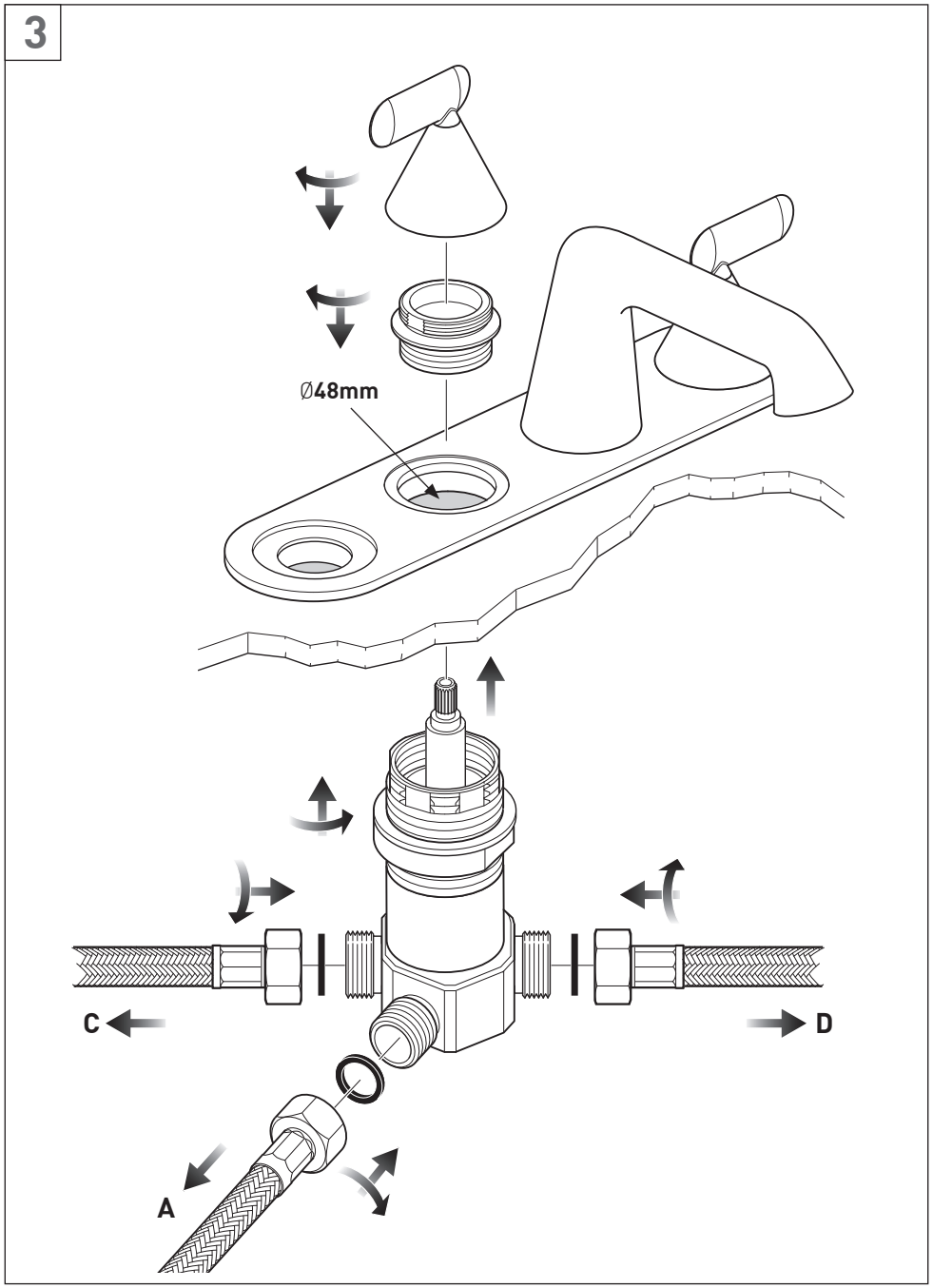
Overview





Installation - Quick Guide

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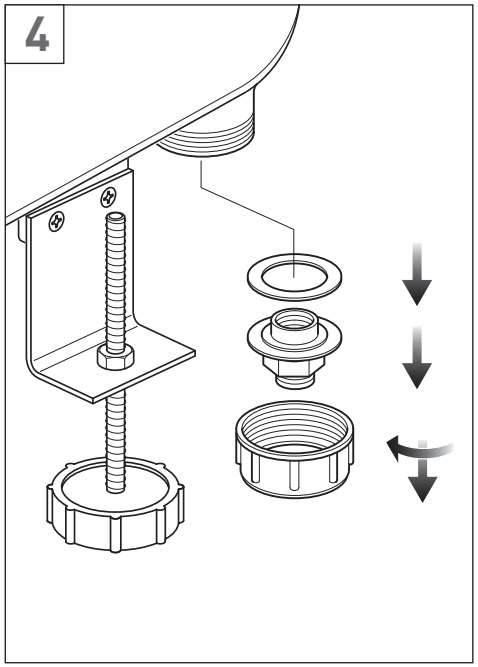
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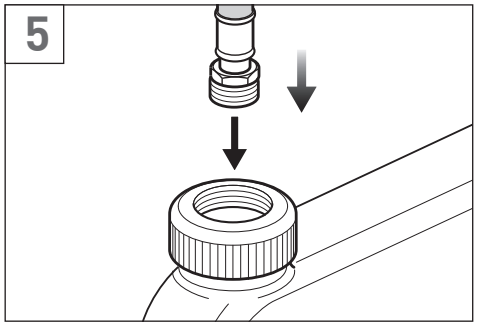
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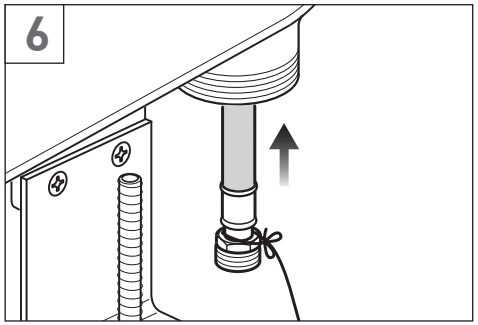
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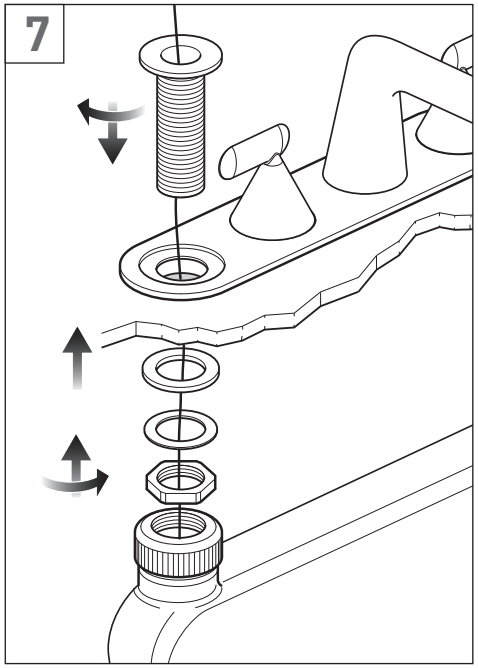
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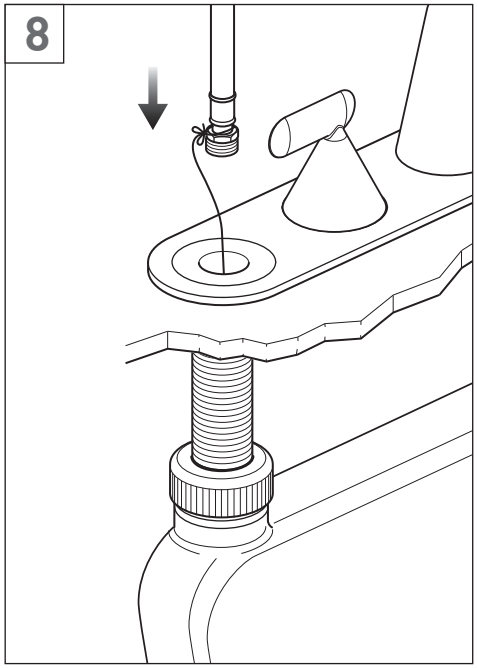
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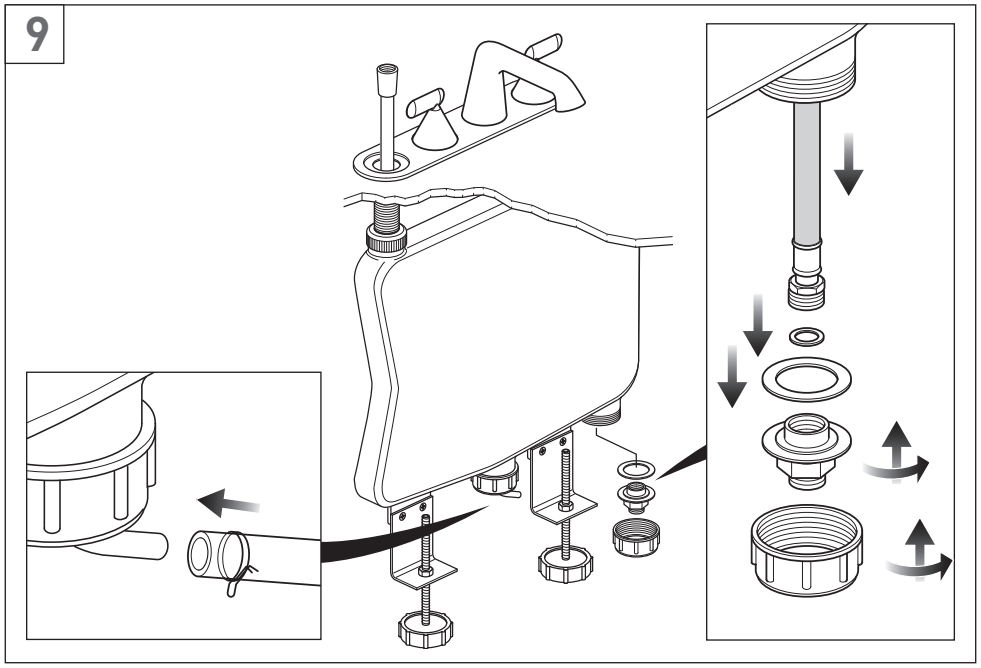

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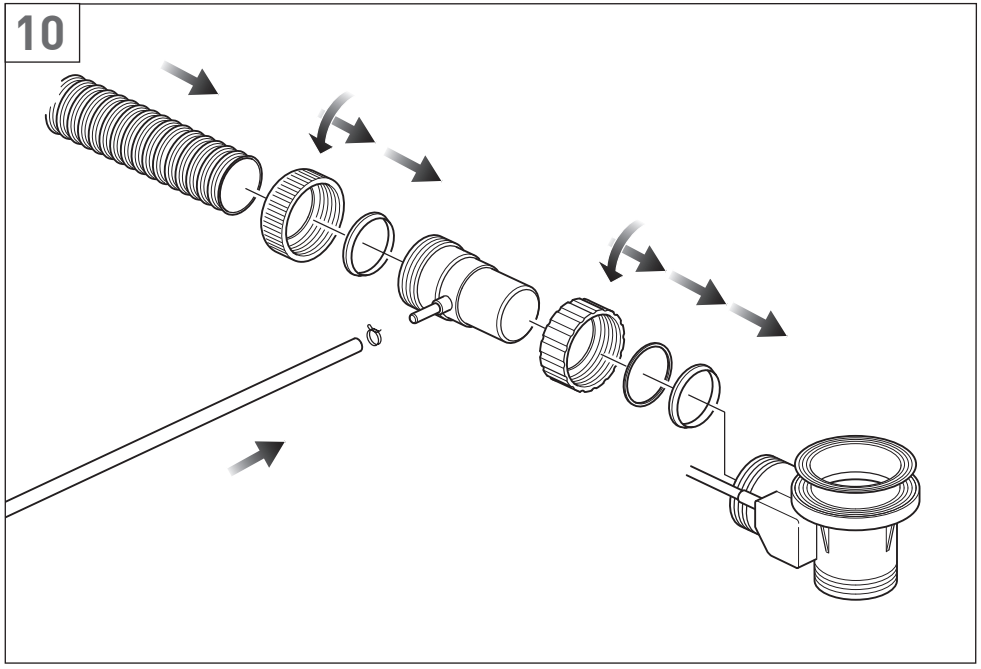

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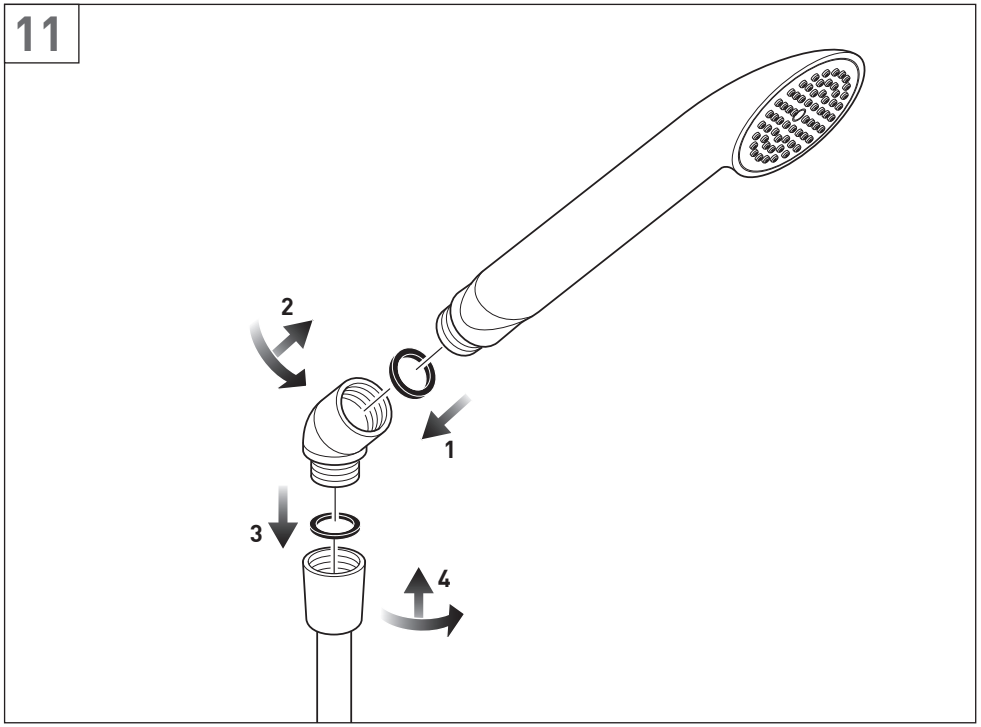


Installation - Temperature Control

Before installing, flush through the pipework to ensure removal of debris, turn off the water supply.

Drill the four holes in the required position (see right).

Remove the handle connector from the concealed valve. Feed the mixer valve up through the deck hole so that it is touching the underside. Attach the handle connector into the valve. Tighten the locking nut to secure the valve in place. Screw down the handle (make sure the handle is in the correct 'off position' alignment), by rotating the shroud onto the valve.

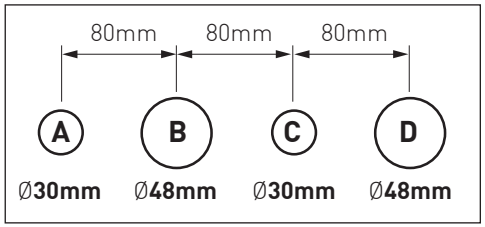
CAUTION: Do not over tighten the nut as this may damage the unit.

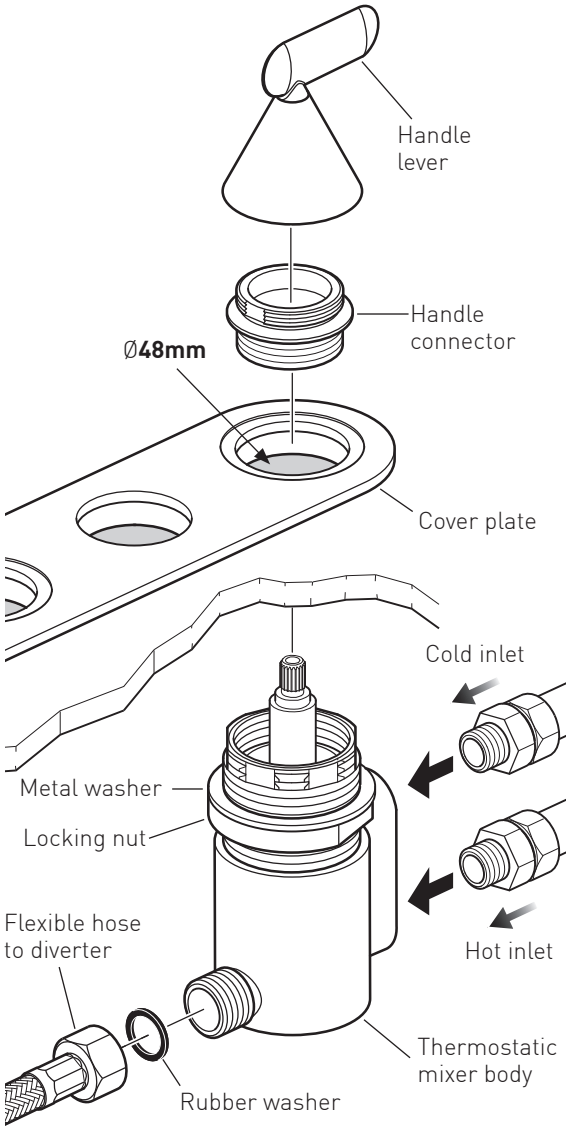
Screw the two flexible pipes to the hot and cold connections in the mixer body, the hot is on the bottom and cold on the top, hand-tighten only.

Connect the water supply to the inlet pipes.

Attach one of the flexible hoses to the outlet on the opposite side of the mixer. Ensure that the washer is fitted in the nut and connect it to the diverter.

CAUTION: When installing the flexible hoses, do not kink or bend them more than the 60mm diameter.





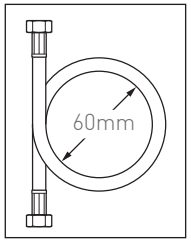
Installation - Spout

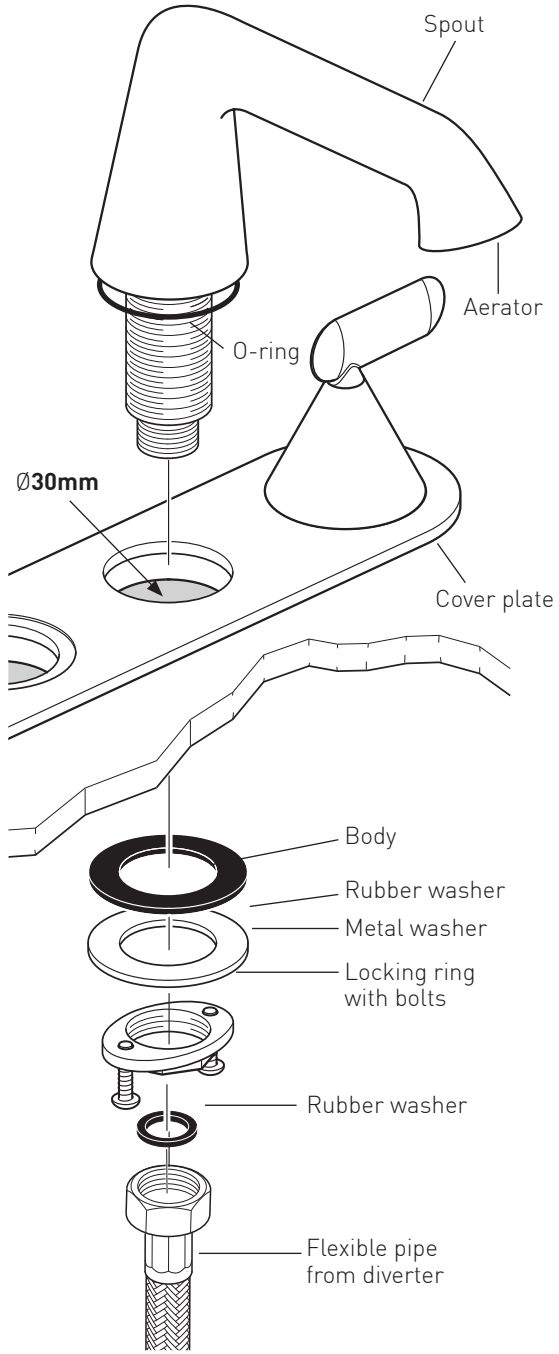
Drill a 30mm diameter hole in the required position. Make sure the O-ring is in place in the underside of the spout cover. Position the spout down on to the bath and plate.
Make sure that the metal and rubber washers are in place on the body, the rubber washer should be on top. The two bolts in the locking ring should be unscrewed but not removed.

Screw up the locking ring until the nut touches the metal washer. Tighten the two bolts to clamp the mixer to the bath.

CAUTION: Do not over tighten the bolts as this may damage the bath.

CAUTION: When installing the flexible hoses **do not** kink, or bend them more than the 60mm diameter as shown right.





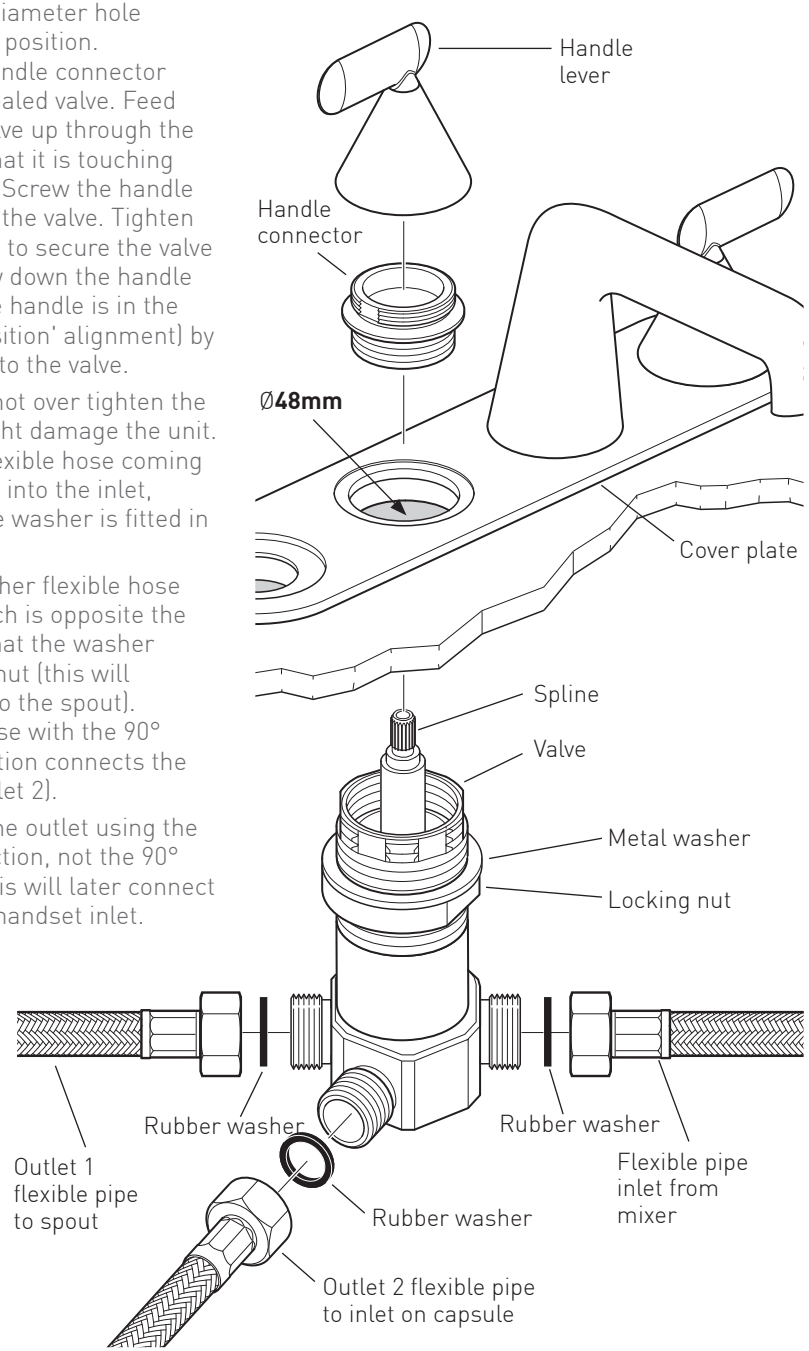
Installation - Diverter

Drill a 48mm diameter hole in the required position.
Remove the handle connector from the concealed valve. Feed the diverter valve up through the deck hole so that it is touching the underside. Screw the handle connector into the valve. Tighten the locking nut to secure the valve in place. Screw down the handle (make sure the handle is in the correct 'off position' alignment) by rotating the onto the valve.

CAUTION: Do not over tighten the nut as this might damage the unit.
Connect the flexible hose coming from the mixer into the inlet, ensure that the washer is fitted in the nut.

Connect the other flexible hose to outlet 1 which is opposite the inlet, ensure that the washer is fitted in the nut (this will be connected to the spout).
The flexible hose with the 90° angled connection connects the last outlet (outlet 2).

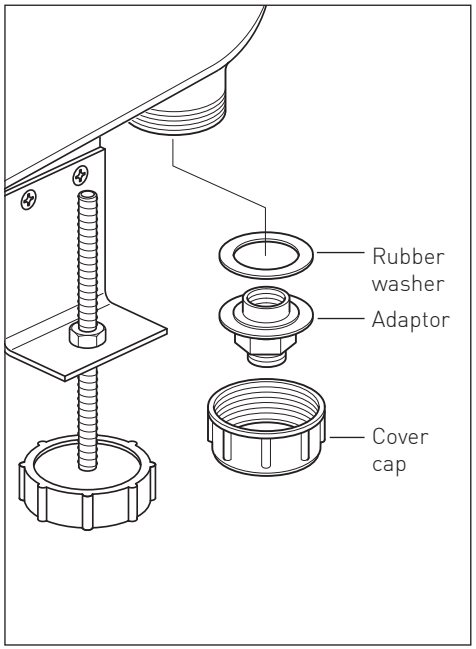
Connect it to the outlet using the normal connection, not the 90° angled one. This will later connect to the shower handset inlet.



Installation

Preparation
Before you start to install the Capsule you will need to remove some of the fittings.

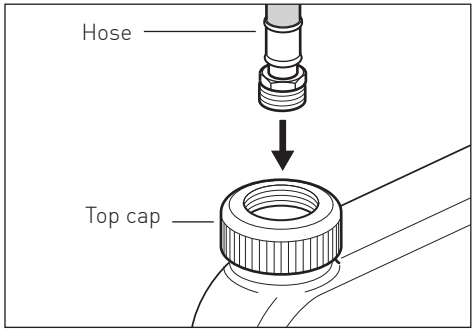
Unscrew the cover cap and remove the inlet adaptor and washer at the bottom of the unit.

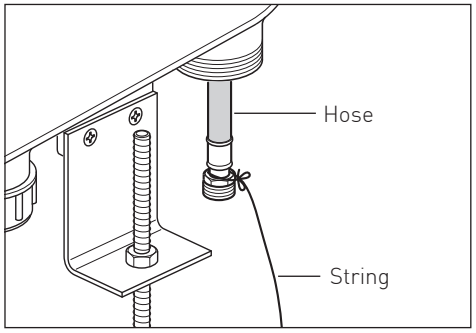


Thread the hose down through the neck at the top of the drain box and out of the bottom inlet hole.

We recommend tying a long piece of string to the end of the hose.
Pull the hose back through the drain box, but still leaving the string through the box exposed at either end.

Untie the string from the hose.





Installation

Decide where to fit to the bath, it could go along the short or long edge, make sure access can be gained to the underneath to connect water inlet, and be able to change the hose. Make sure it will not interfere with any other fittings, e.g. the bath overflow.

Place the escutcheon through the cover plate and bath, make sure the rubber washer is in place.

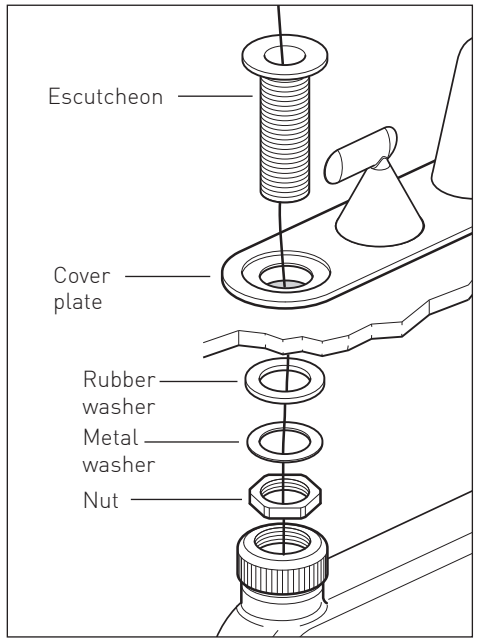
Fit the thick rubber washer and metal washer and nut onto the bottom of the escutcheon.

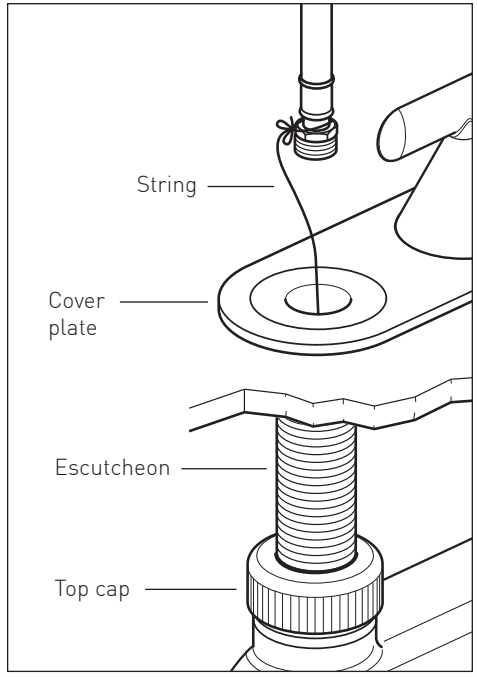
Unscrew the top cap from the drain box, and screw it onto the base of the escutcheon. Slide the drain box under the escutcheon, and screw the top cap back onto the drain box. Hand tighten.

Alternatively, if the box needs to be raised higher for drainage, the top cap can be left fitted to the box and the escutcheon screwed into it before tightening the escutcheon nut.

Adjust the legs as necessary.

Tie the string back onto the inlet end of the hose and pull back down through the escutcheon and drain box.





Installation

Remove the string

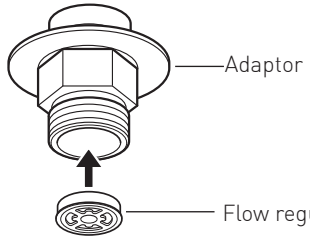
Place the rubber washer over the adaptor. Insert the fibre washer into the adaptor, then fit and tighten the hose.

Fit the assembly back into the drain box and tighten the cover cap to secure it.

Connect the flexible hose with the 90° bend to the ½" BSP threaded inlet and check for leaks.

Flow regulator

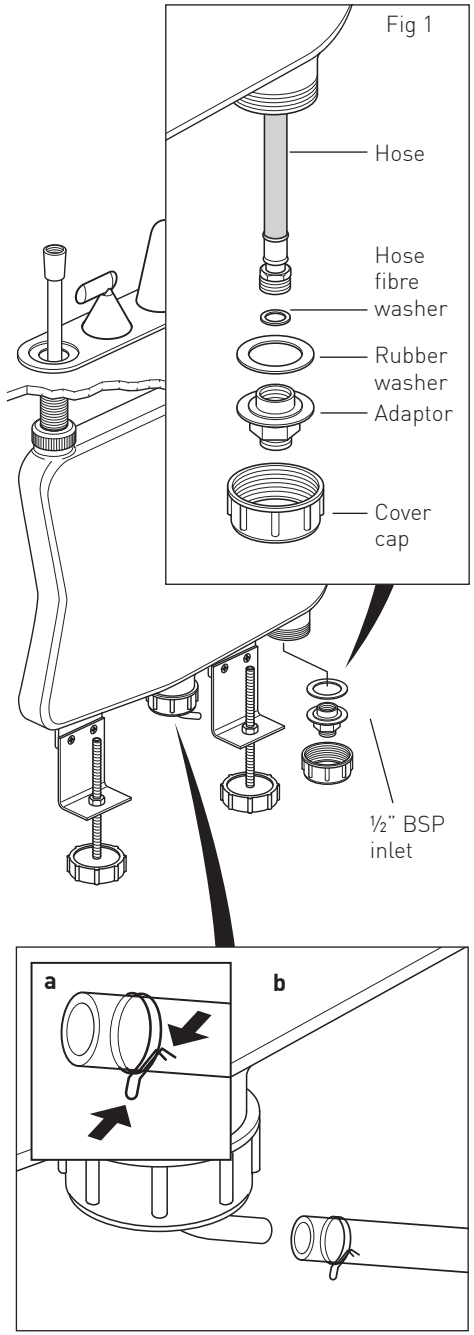
Should a compatible flow regulator be fitted, insert with the O-ring facing the direction of flow (see below).



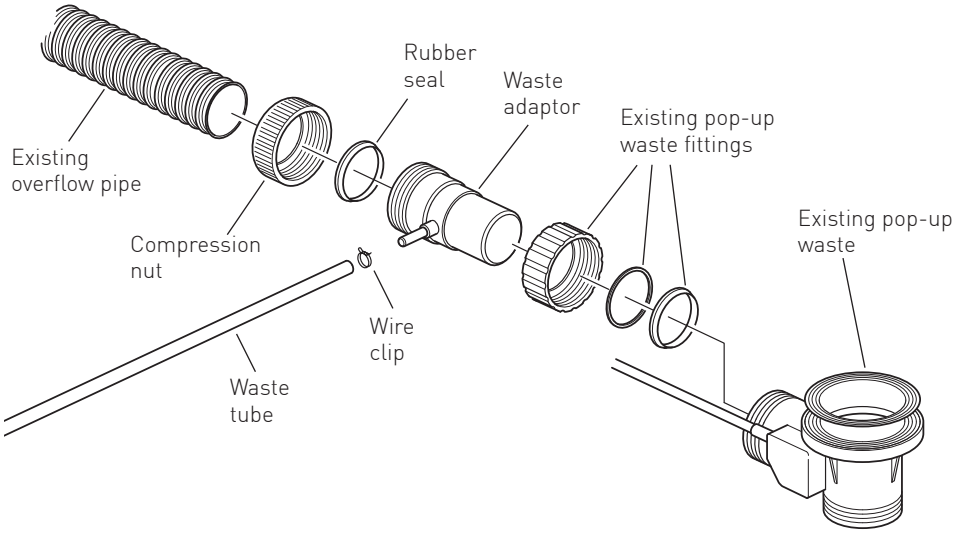
Using a pair of pliers squeeze the two ends of the wire clip to open it up (a) see right.
Push the tube onto the drain pipe on the underside of the drain box (b).
Make sure that the clip is over drain pipe and release the pliers.

Note - The water drain has a built in non-return valve to stop back fill when the bath is emptied.

Fig 1



Installation - Waste



The shower hose kit comes with 2 waste adaptors of different sizes (see dimensions page) use the one that fits your existing pop-up waste.

Cut the waste tube to length – there must be a fall from the base of the Capsule drain box into the bath waste, and the tube must not droop. Use the same procedure as used previously (see page 8).

Remove the existing overflow pipe from the pop-up waste if fitted.

Slide the compression nut, washer and seal onto the new waste adaptor, making sure that the tapered end of the seal fits into the body of the pop-up waste, tighten the nut hand tight only.

Slide the compression nut and seal onto the overflow pipe, push the overflow pipe into the waste adaptor and secure as previous with the nut, hand tight only.

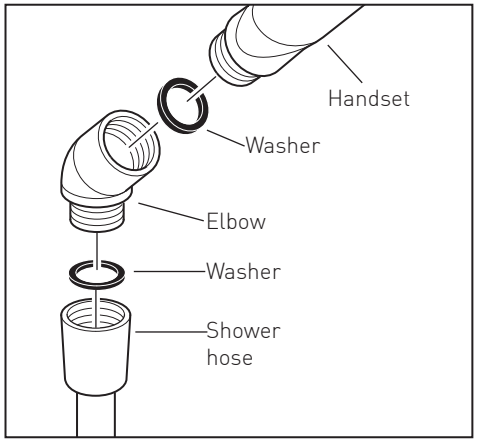
Handset

Place the rubber washer into the elbow and screw onto the handset.

Place one of the washers into either end of the hose and screw onto the elbow.

Make sure that the elbow and handset are both pointing in the same direction.

Check for leaks



Temperature Commissioning

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 from the outlet with a thermometer, when the stop arm on the spline is located at 9 o'clock **(see Fig.1)**.

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:

Do not remove the grey plastic 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. Remove the spline and replace it at 9 o'clock **(see Fig.2)**.

Note: the sensing part of the thermometer probe must be fully submerged in the water that is to be tested.

3. Ensure that the stop on the stop ring is at 6 o'clock **(see Fig.3)**.

Stop on spline 9 o'clock.

When the handle is attached (see page 10) ensure the temperature does not exceed 46°C when turned entirely anti-clockwise.

Your valve setting is now commissioned.

Fig.1

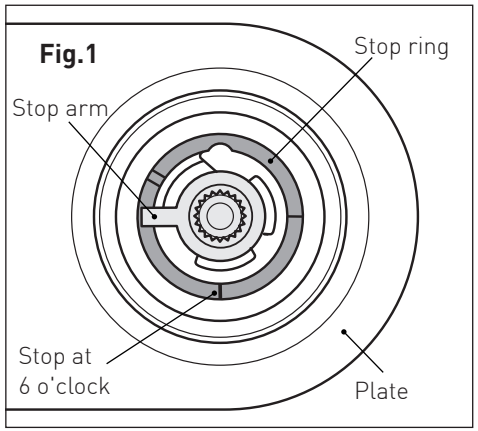


Fig.2

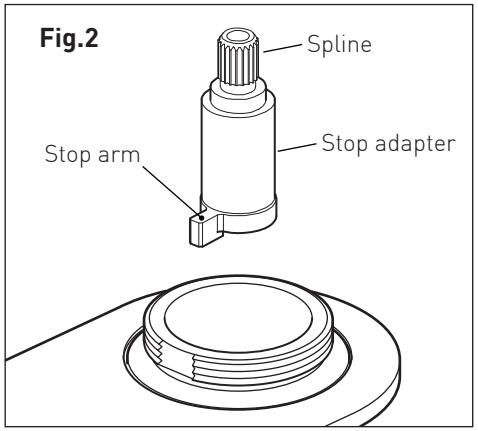
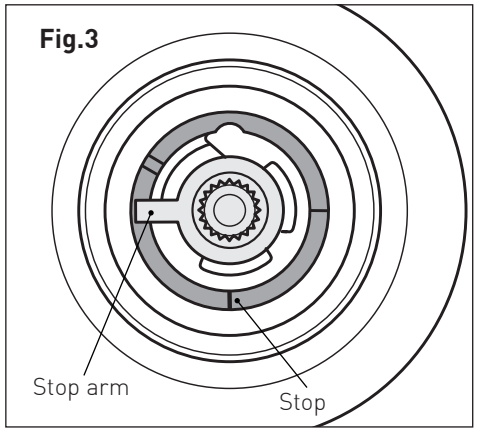


Fig.3



Notes:

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