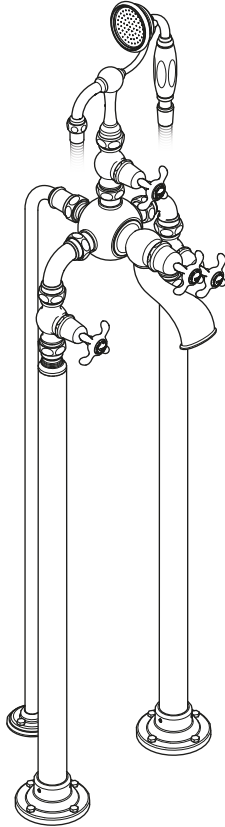


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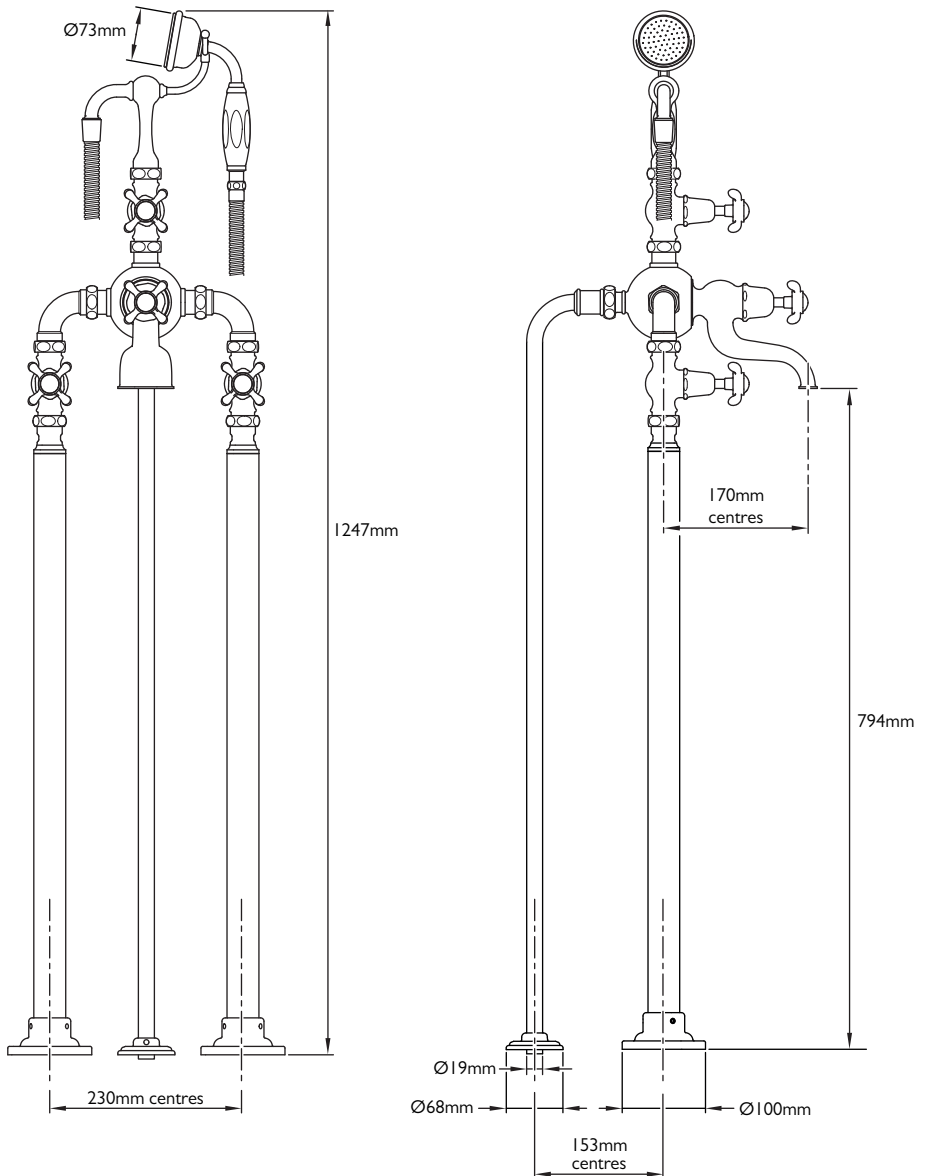
LA CHAPELLE DECK MOUNTED BATH SHOWER MIXER
WITH STANDPIPES
INSTALLATION GUIDE



LEFROY BROOKS

DIMENSIONS

Taller standpipes must be specified at the point of order.
To reduce the height of the standpipes please see 'Reducing the height of standpipes' section.



Not to scale

IMPORTANT INFORMATION

Professional installation

We recommend that our products are fitted by a fully qualified professional plumber. They should be installed correctly and in accordance with all local water regulations. All products should be accessible for routine servicing.

Suits all systems

This Lefroy Brooks product is potentially suitable for every possible application, type of boiler and water supply pressure. However, if your supply pressure is below 1 bar it is advisable to fit a water pump. For systems with combination boilers, it is not advisable to fit pumps (refer to boiler manufacturer).

Supply connections

The hot water supply must be connected to the left port, cold water to the right as viewed from the front.

Supply temperature safety notice

To comply with local building regulations, current legislation, relevant standards and codes of practice a thermostatic mixing valve (TMV) should be fitted (not supplied) to the hot supply. This will restrict the temperature to a safe working maximum temperature. Maximum allowed temperatures vary subject to type of installation or specification of building.

Balancing flow

If there is a significant difference in water pressures between hot & cold supplies, we recommend an in-line flow suppressor/regulator (not supplied) be fitted. This should be fitted to whichever has the greater flow rate, in an accessible position close to the valve.

Flushing system

It is most important to flush out all pipework thoroughly before connecting the product. Failure to do so is the single most common cause of ceramic cartridge failure.

Water quality

In hard water areas, a suitable water treatment system should be provided to prevent limescale deposits (calcium deposits) which may effect the long term performance of the ceramic cartridges. Exterior surfaces should be gently wiped with a dry soft cloth after use to minimise water stains and limescale deposits.

General installation details

Inlet connections are 22mm.

Servicing

All serviceable parts are available to maintain your Lefroy Brooks product.

Non-return valves

To protect your water system, non-return valves are fitted after the inlet elbows. These can be removed and cleaned if required.

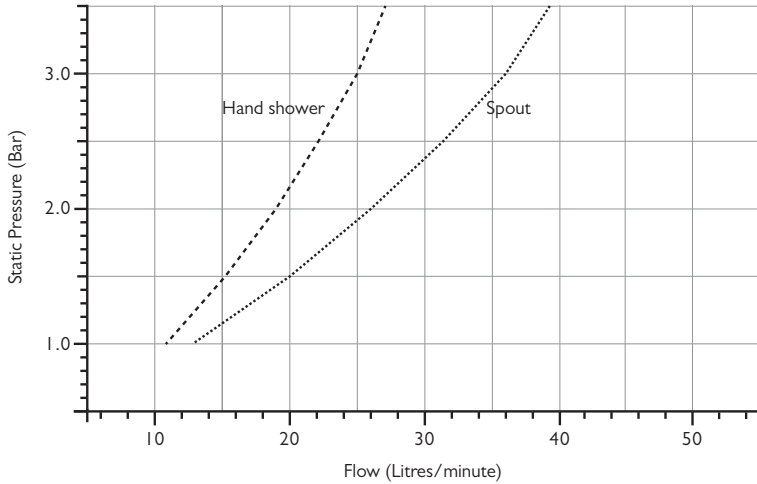
Restrictions for use

Standpipes are NOT suitable for mounting on solid floors. All connections should be installed under floor.

This product is NOT recommended for use with an overhead shower that is supplied from a free standing fixed riser pipe, unless the pipework is supported from either the wall or ceiling.

This bath shower mixer must NOT be installed without the support bracket.

TYPICAL FLOW RATES

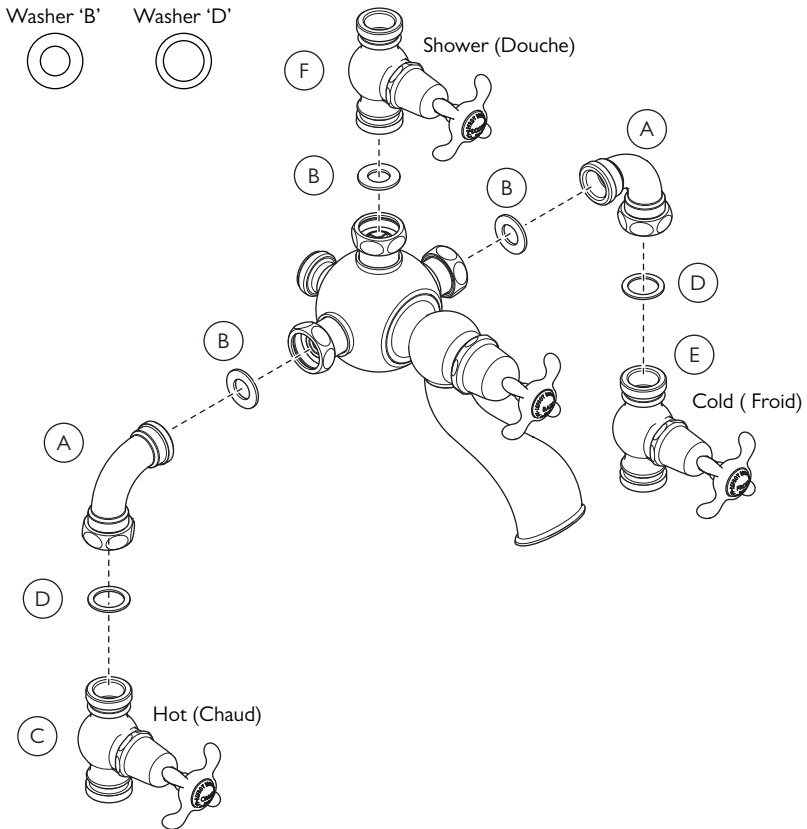


Note: Balanced pressures shown are applied directly to the hot & cold inlets; flow rates indicated are free flowing and may vary subject to restrictions created by installation, pipework, layout or application. Spout and hand shower tested separately.

TRANSLATION

Chaud - Hot
Froid - Cold
Douche - Shower
Bain - Bath

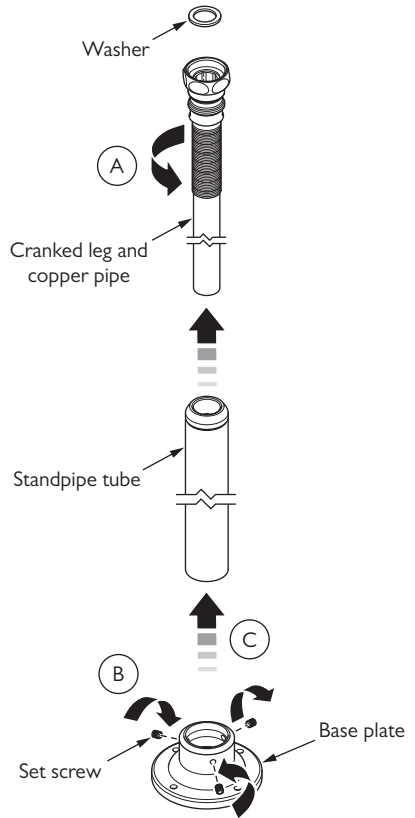
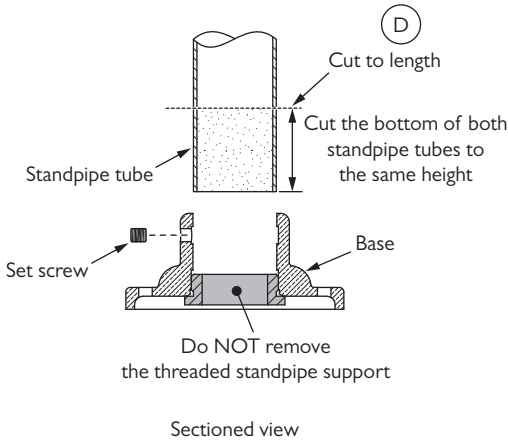
BATH SHOWER MIXER ASSEMBLY



All joints above the mounting surface should be 'hand tight only' until assembly and installation is finalised.

- 1 Assemble the inlet elbows (A) to the body of the bath shower mixer. Ensure that the washers (B) are in place.
- 2 Assemble the hot (chaud) control (C) to the bottom of the left inlet elbow. Ensure that the washer (D) is in place. There is an arrow on the rear of the body that indicates the direction of water flow.
- 3 Assemble the cold (froid) control (E) to the bottom of the right inlet elbow. Ensure that the washer (D) is in place. There is an arrow on the rear of the body that indicates the direction of water flow.
- 4 Assemble the shower (douche) control (F) to the top of the main body. Ensure that the washer (B) is in place. There is an arrow on the rear of the body that indicates the direction of water flow.

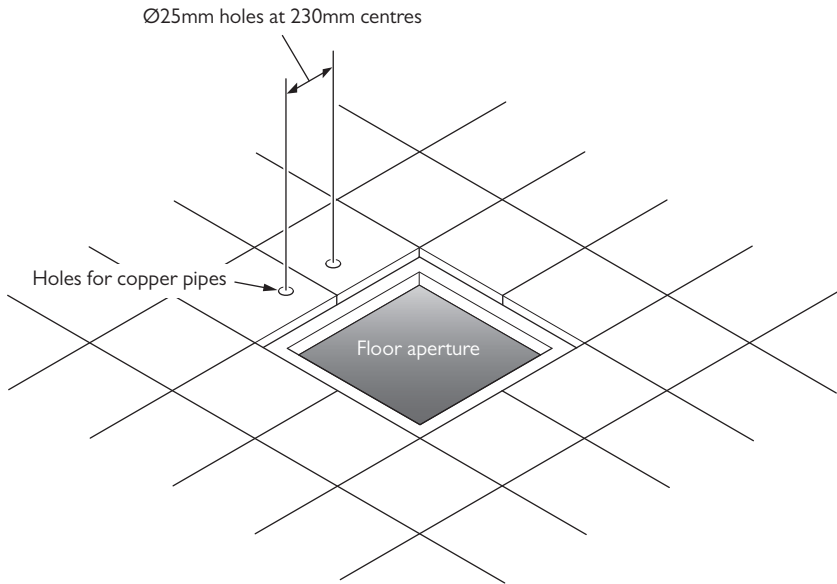
REDUCING HEIGHT OF STANDPIPES



If required the standpipes can be shortened as follows:

- 1 The leg and copper pipe that is concealed by the standpipe tube is a single unit. Unscrew and remove the legs and copper pipes from both standpipe tubes (A).
- 2 Remove the three set screws from each standpipe base plate using a 3mm hexagonal key (B).
- 3 Separate both standpipe tubes from their base plates (C). Do NOT remove the threaded standpipe support from the base plate.
- 4 Accurately mark the bottom of both standpipe tubes ensuring that both marks are the same height (D).
- 5 Cut the bottom from both standpipe tubes and remove any sharp edges.
- 6 Fit the standpipe tubes into the base plates. Secure using the set screws removed previously.
- 7 Check that both standpipe heights are the same.
- 8 Screw the legs and copper pipes into the standpipes.

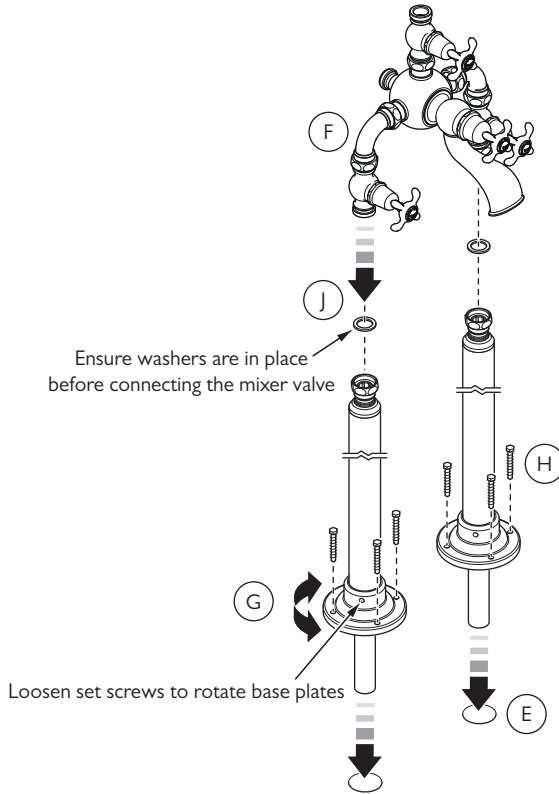
LOCATION OF STANDPIPES



Considerations when choosing a location for standpipes:

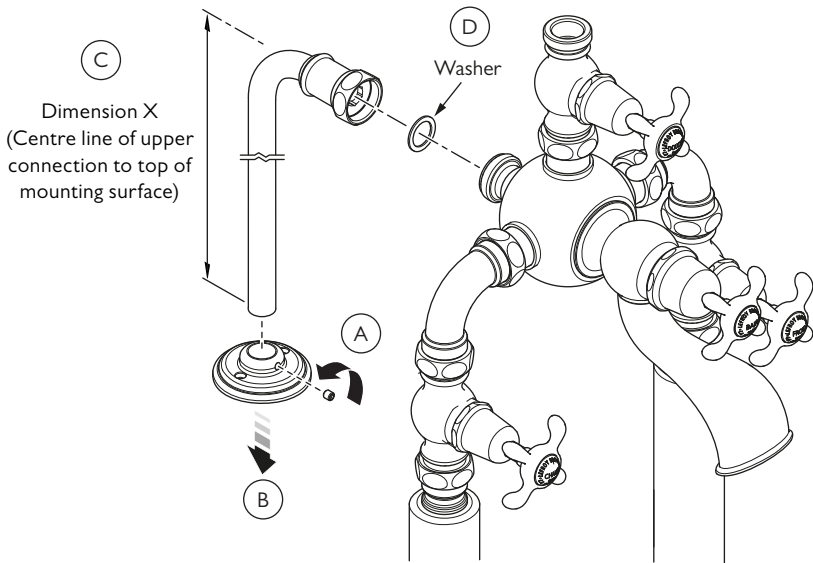
- Does the spout of the mixer reach into the bath?
- Are there any joists, existing pipework or wiring immediately below the standpipes?
- Ø25mm holes for pipework should be made in the mounting surface prior to tiling.
- If the floor surface is to be covered or tiled prior to installation, ensure a space is left for the installation.
- Floor boards should be removed or cut to leave a suitable working aperture.
- Holes will have to be cut in the floor covering/ tiles.

INSTALLATION



- 1 Place and support the standpipes in the required location (E).
- 2 Cut the copper pipes to the required length(s).
- 3 Connect the bath shower mixer to the standpipes (hand tight only) to ensure correct alignment and centre distances (F). Ensure that the washers are in place before making the connection. The washers have a larger hole in the centre.
- 4 Once the standpipes and mixer are aligned correctly, ensure that the screw holes in the base plates are positioned as required. The three set screws in each base plate can be unscrewed allowing each base plate to be rotated (G). With the holes positioned as required, tighten the set screws.
- 5 Secure the base plates to the floor using the fixing screws (H) (Please note that specific installations may require special screws (not supplied)).
- 6 Using 22mm connections of your choice, proceed to finish the installation. Observe all safety requirements if using soldered joints.
- 7 Complete the pipework connections.
- 8 Remove the mixer to FLUSH PIPEWORK.
- 9 Securely fit the mixer to the standpipes.
- 10 Pressure test connections before sealing the floor aperture.

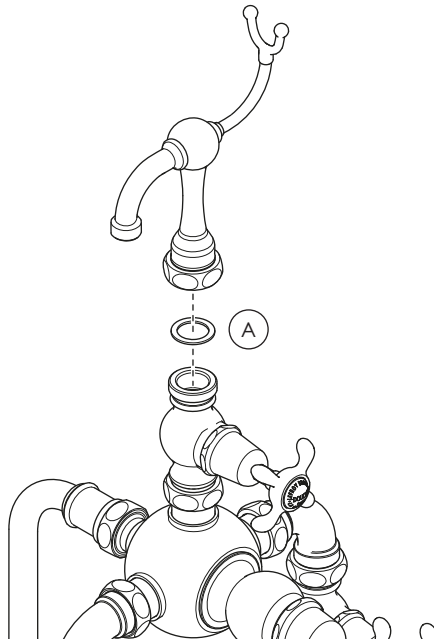
SUPPORT LEG INSTALLATION



For safety reasons the bath shower mixer must NOT be installed without the support bracket. The support bracket is supplied in this length to accommodate split level installations.

- 1 Unscrew and remove the set screw from the support leg floor plate (A).
- 2 Remove the floor plate (B).
- 3 Measure and mark 'dimension X' on the support leg. This is the distance from the centre line of the upper connection to the top of the mounting surface/floor (C).
- 4 Cut the support leg to the required length.
- 5 Locate the support leg into the floor plate and connect the support leg to the rear of the bath shower mixer body. Ensure that the washer (D) is in place. The washer has a larger hole in the centre.
- 6 Rotate the floor plate so the threaded hole for the set screw faces the bath shower mixer body. Mark the fixing hole positions of the floor plate on to the mounting surface.
- 7 Remove the support leg and floor plate.
- 8 Where required, drill suitable sized holes for the wall plugs supplied then insert the wall plugs.
- 9 Locate the support leg into the floor plate and connect the support leg to the rear of the bath shower mixer body. Ensure that the washer is in place.
- 10 Screw the floor plate to the mounting surface.
- 11 Insert and tighten the set screw to secure.

SUPPORT CRADLE, HOSE & HAND SHOWER INSTALLATION



- 12 Locate the hand shower cradle to the top of the bath shower mixer ensuring that the washer (A) is in place. The washer has a larger hole in the centre.
- 13 With the assembly/installation complete, using the nut protector supplied, tighten all of the joints. The nut protector will prevent damage to the surface finish.
- 14 Connect the conical end of the flexible shower hose to the hand shower. Connect the other end to the outlet on the cradle at the top of the bath shower mixer.
- 15 Place the hand shower in to the cradle.

TESTING

Testing:

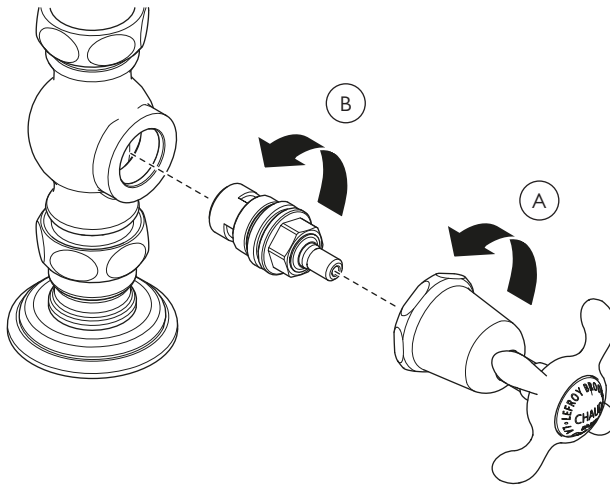
- Ensure hot & cold (chaud & froid) controls are in the closed position.
 - Turn on the hot & cold mains supplies.
 - Lift the hand shower from the cradle and aim into bath.
 - Turn the four controls to their 'on' positions (fully counter clockwise). Check for any leaks and tighten joints as required. Remember to check the connections below floor level.
 - Check flow from both hand shower and spout. Turn the bath spout (bain) and hand shower (douche) controls to the 'off' position (fully clockwise). This will pressure test all joints except the upper nut that connects to the cradle. Again, check for leaks and tighten joints as required.
 - Turn the hot & cold (chaud & froid) taps off.
-

OPERATION

It is advisable to turn off the hot & cold (chaud & froid) flow controls when the mixer is not in use. Do not close the bath spout and hand shower flow controls only.

SERVICING – CARTRIDGE REPLACEMENT

Applies to all flow cartridges. Shown with hot (chaud) flow control.



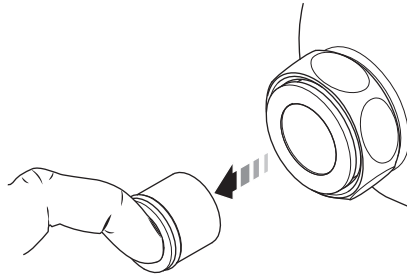
Before continuing please ensure that the water supplies have been isolated and drained where necessary.

- 1 To remove, support the body of the bath shower mixer, grasp the handle shroud(s) and unscrew to remove (A).
- 2 Using a 17mm a/f spanner or socket unscrew the cartridge(s) and remove (B).

- 3 Check inside the bath shower mixer for any debris or limescale. Wipe clean as required.
- 4 Screw in new ceramic cartridge(s) and tighten using a 17mm spanner or socket.
- 5 Open the water supply/supplies.
- 6 Check for leaks.
- 7 Replace the handle(s) ensuring that any indice(s) graphics are correctly orientated.
- 8 Check operation of the cartridge(s).

SERVICING – NON-RETURN VALVE REPLACEMENT

If after a period of time you experience problems with reduced water flow from your spout/shower/hand shower, this could be due to blockage in the non-return valves.



(PTS002 (Pair))

- 1 Isolate the hot and cold water supplies before the valve.
- 2 Remove the bath shower mixer from the standpipes.
- 3 Unscrew and remove the elbows from the sides of the bath shower mixer. Use a nut protector or ensure that the jaws of the spanner are wrapped in tape to prevent damage to the surface finish of the nuts.
- 4 Place a finger into the end of the non-return valve and pull the non-return valve out of the valve body.
- 5 Before installing the replacement non-return valve(s) apply a small amount of silicone grease to the rubber 'O' ring.
- 6 Assemble in reverse order.

FAULT FINDING

The hot & cold (chaud & froid) handles are turned on, the hand shower (douche) and bath spout (bain) handle are turned off, but the hand shower drips continuously.

- Replace the ceramic cartridge in the hand shower flow control. See 'replacement parts' section for spare part numbers and the 'servicing – cartridge replacement' section.

The hot & cold (chaud & froid) handles are turned on, the hand shower (douche) and bath spout (bain) handle are turned off, but the spout drips continuously.

- Replace the ceramic cartridge in the spout flow control. See 'replacement parts' section for spare part numbers and the 'servicing – cartridge replacement' section.

The hot & cold (chaud & froid) handles are turned off, the other two are turned on, but the hand shower or bath drips continuously.

- Replace the ceramic cartridge(s) in the hot & cold flow control(s). See 'replacement parts' section for spare part numbers and the 'servicing – cartridge replacement' section.

Noisy operation.

- Reduce water pressure.

REPLACEMENT PARTS

PHL038 – ½" x ½ turn ceramic cartridge for use on cold (froid), hot (chaud) & hand shower (douche) flow controls.

PHL044 – ¾" x ½ turn ceramic cartridge for use on bath spout (bain) flow control.

PSP033 – Pair of fibre washers (O/D Ø30mm x I/D Ø22mm x 2.5 mm thick).

PTS002 – Pair of non-return valves.



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