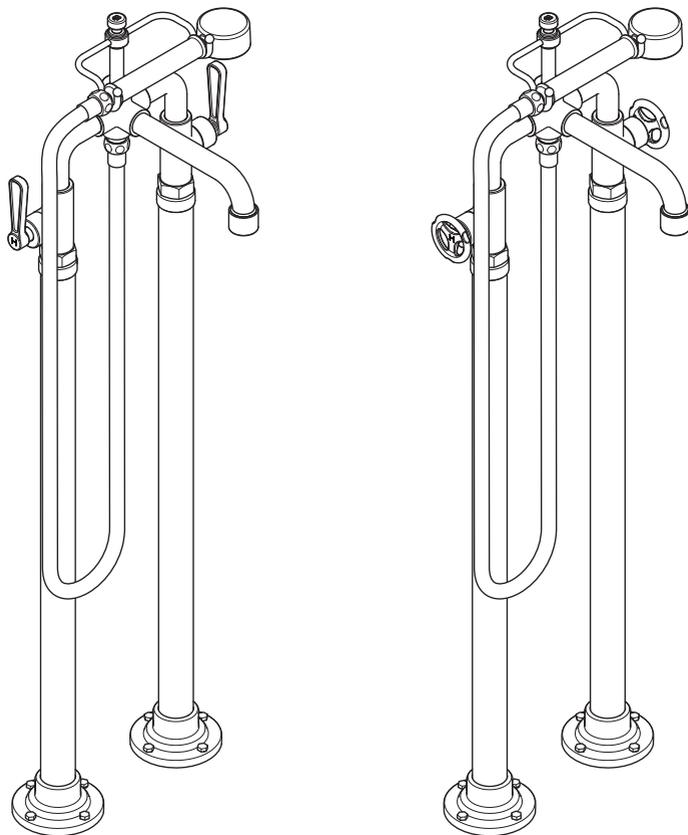


TH 1044 / TL 1044
TEN TEN BATH SHOWER MIXER
WITH STANDPIPES
INSTALLATION GUIDE



LEFROY BROOKS

IMPORTANT INFORMATION

Mounting surface

The standpipes are suitable for mounting on solid floors, but all pipework must be in place prior to the floor being finished.

Standpipe adjustments

Standpipes can be shortened on site – see ‘installation – supply pipe and standpipe heights’ section.

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 and the system protected by non-return valves (not supplied). 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 should be connected to the LEFT inlet and COLD to the RIGHT inlet as viewed from the front.

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.

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.

Water quality

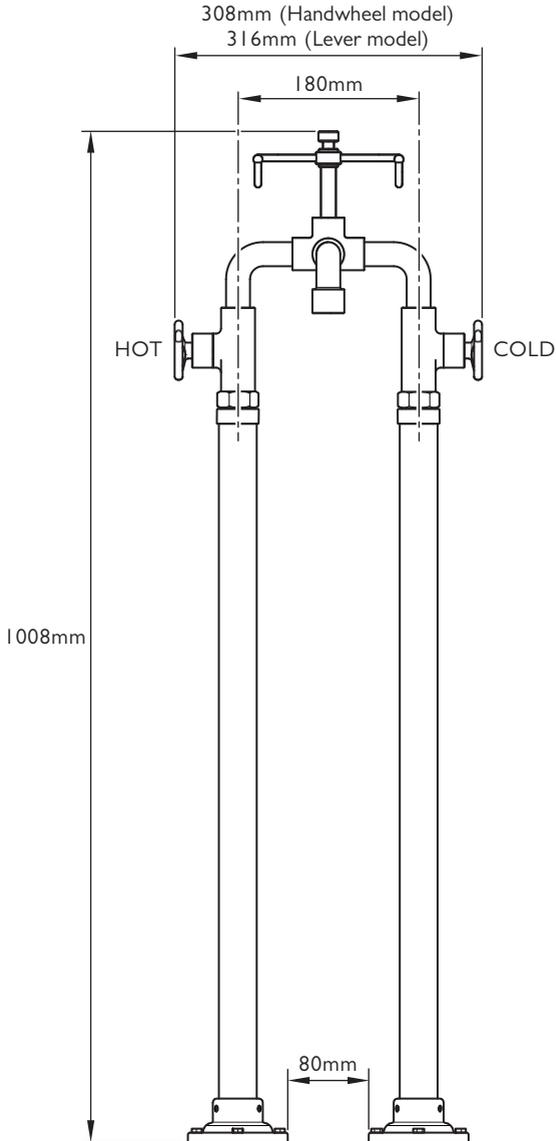
In hard water areas, a suitable water treatment system should be provided to prevent limescale deposits (calcium deposits) which may effect the long term performance of the ceramic cartridges. Exterior surfaces should be gently wiped with a dry soft cloth after use to minimise water stains and limescale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

Servicing

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

DIMENSIONS

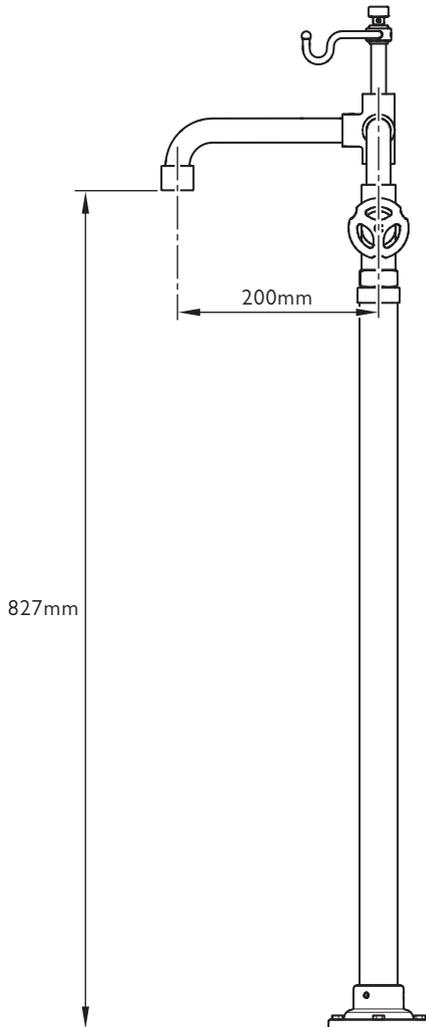
To reduce the height of the standpipes please see the 'installation – supply pipe and standpipe heights' section.



Not to scale

DIMENSIONS

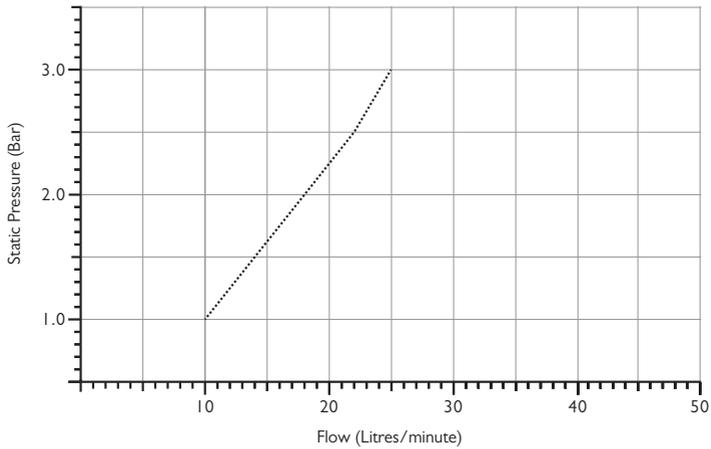
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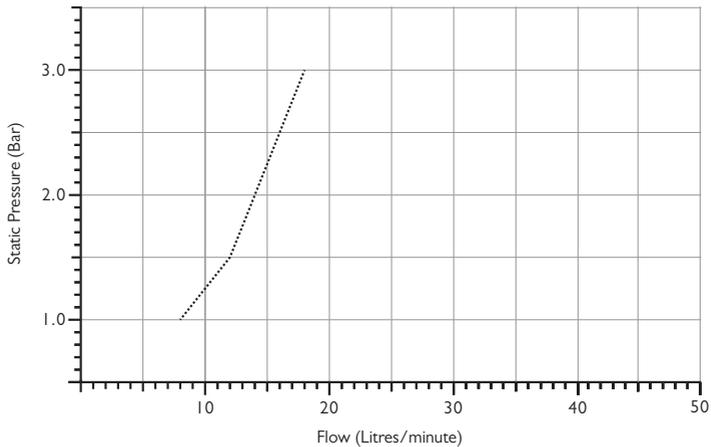
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TYPICAL FLOW RATES

Spout only

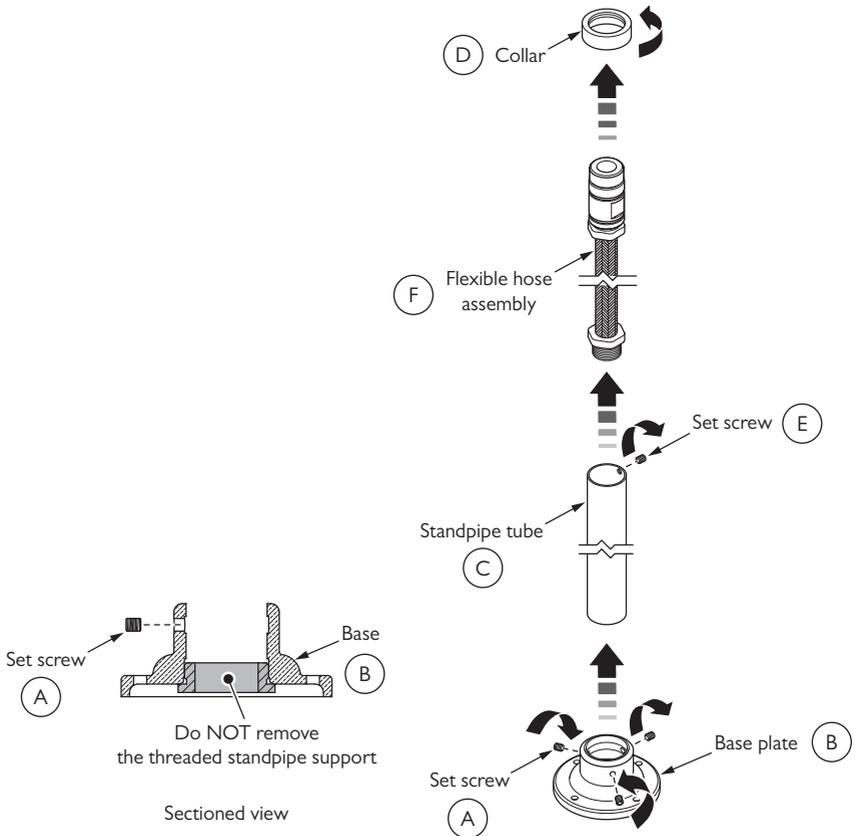


Hand Shower only



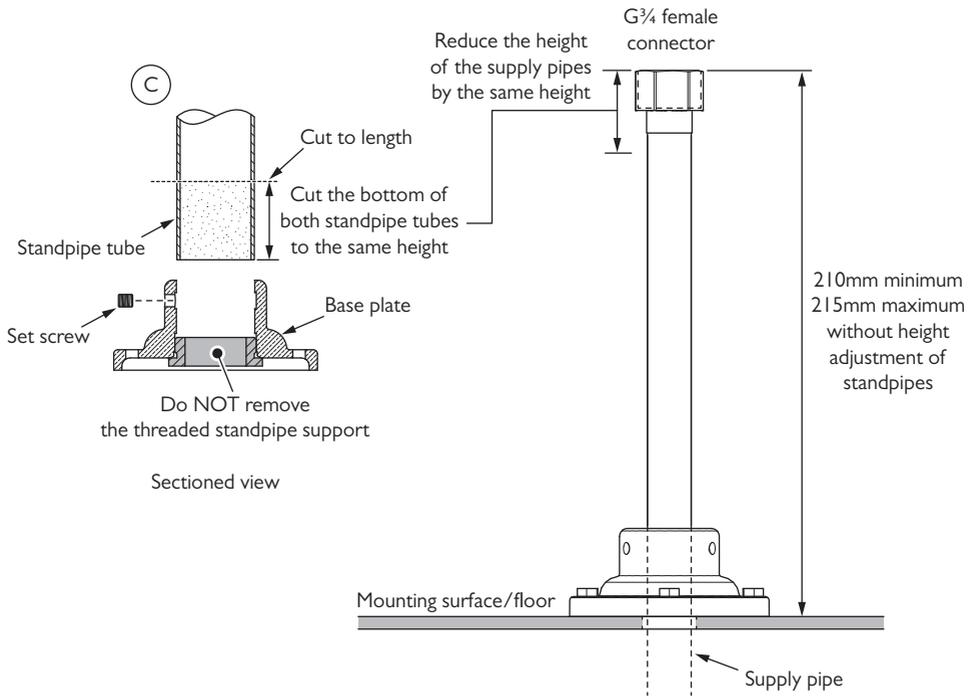
Note: Balanced pressures shown are applied directly to the hot and cold inlets; flow rates indicated are free flowing and may vary subject to restrictions created by installation, pipework, layout or application.

UNPACKING THE STANDPIPES



- 1 Remove the three set screws (A) from each standpipe base plate (B) using a 3mm hexagonal key.
- 2 Separate both standpipe tubes (C) from their base plates. Do NOT remove the threaded nylon standpipe support from the base plate.
- 3 Unscrew and remove collar (D) from the top of each standpipe (C).
- 4 Remove the set screw (E) from each standpipe tube (C) using a 3mm hexagonal key.
- 5 We recommend the use of gloves when handling the threaded ends of the flexible hose assembly as these are machined parts and can cause minor cuts and grazes. Using a gloved hand, pull the flexible hose assembly (F) from each standpipe tube (C).

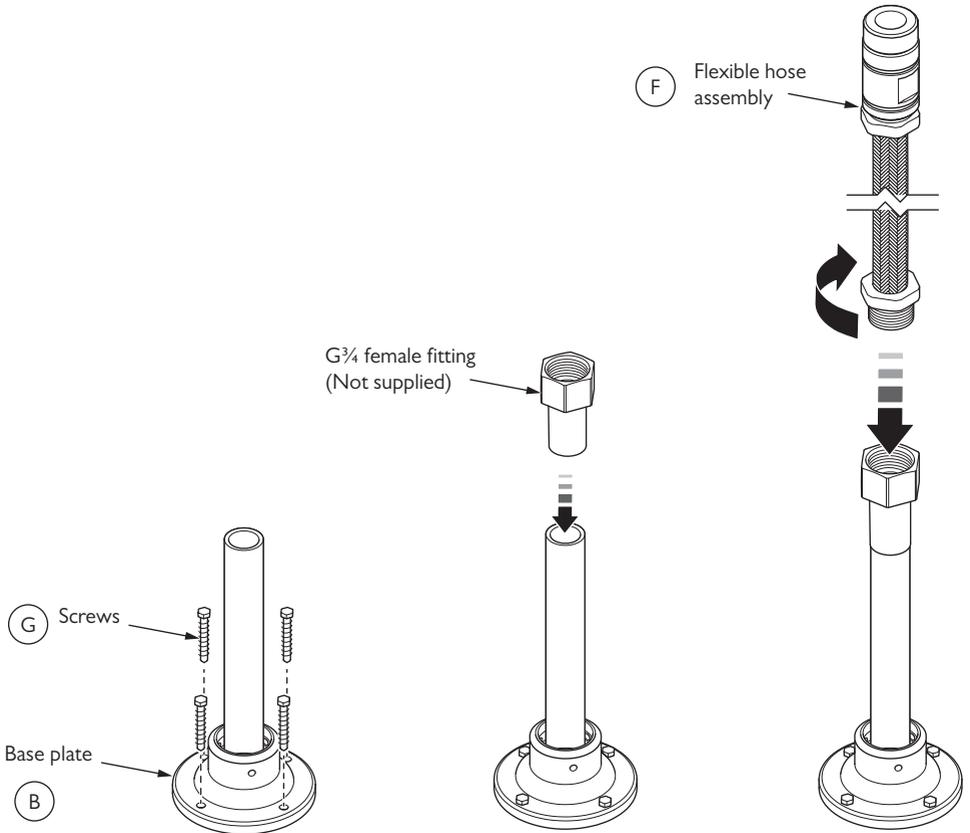
INSTALLATION – SUPPLY PIPE AND STANDPIPE HEIGHTS



If required the standpipes can be shortened as follows:

- 1 Disassemble the standpipes as in the 'unpacking the standpipes' section. DO NOT attempt to adjust the height of the standpipes until disassembled.
- 2 Accurately mark the bottom of both standpipe tubes (C) ensuring that both marks are the same height. The top of each standpipe has a set screw hole to one side.
- 3 Cut the bottom from both standpipe tubes and remove any sharp edges.
- 4 If the height of the standpipes is not adjusted the distance from the mating face of the G³/₄ female fitting from the finished floor should be 210mm minimum – 215mm maximum. If the standpipes are reduced in height then the supply pipes will require reduction by the same amount.

INSTALLATION



Considerations when choosing a location for standpipes:

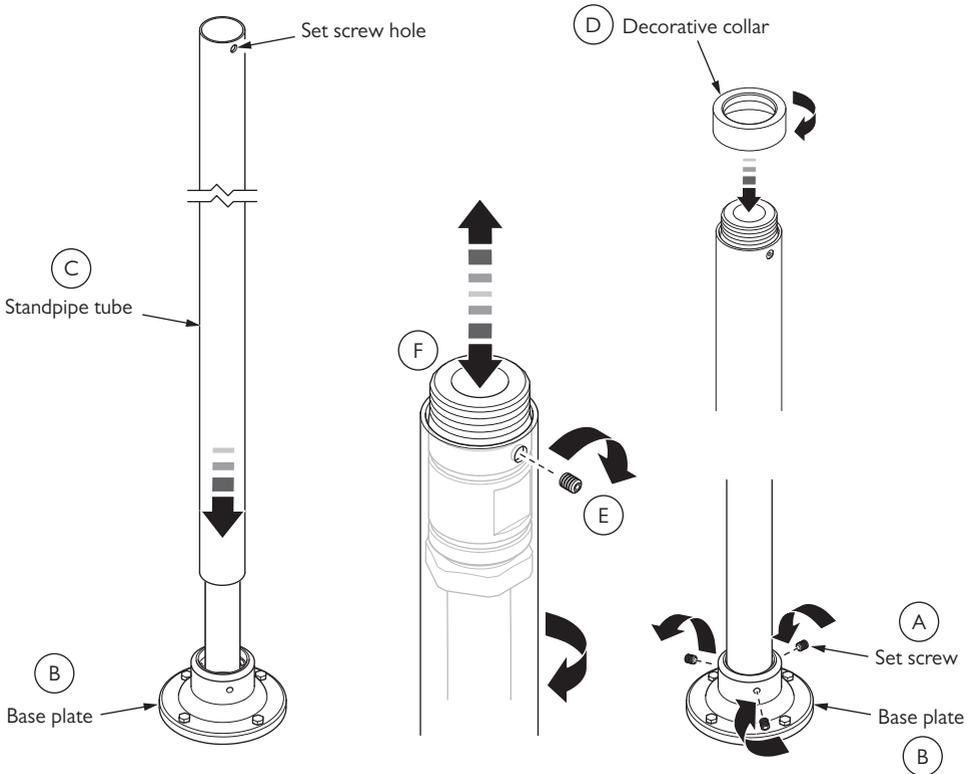
- Does the spout of the mixer reach into the bath?
- The water supplies and floor finishings such as tiles need to be in place prior to installation.

When mounting to a boarded surface:

- Are there any joists, existing pipework or wiring immediately below the standpipes?
- $\text{Ø}25\text{mm}$ holes for pipework should be made in the mounting surface prior to tiling.

- 1 Place the base plates (B) over the supply pipes. Ensure the centre dimensions are correct and that the screw holes are positioned as required. Mark the screw hole locations then secure the base plates to the floor using the fixing screws (G) (Please note that specific installations may require special screws (not supplied)).
- 2 Install the $\text{G}\frac{3}{4}$ female fittings (Not supplied) to the top of the supply pipes.
- 3 Using a suitable thread sealant, screw the flexible hose assemblies (F) into the female fittings on the supply pipes.

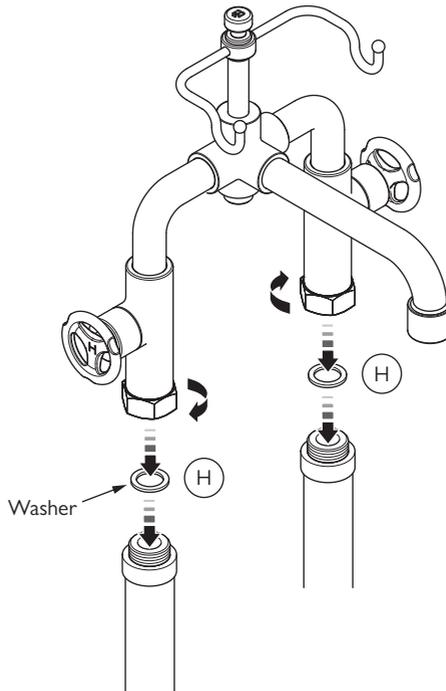
INSTALLATION



- 4 Flush the pipework before continuing.
- 5 Locate and slide the standpipe tubes (C) over the hose assemblies. The top of each standpipe has a set screw hole to one side.
- 6 Locate the standpipe tubes (C) into the base plates (B).
- 7 Rotate the standpipe tubes to align the set screw holes in the top with the set screw holes in the top of the flexible hose assemblies. The hose assembly (F) can be raised and lowered a few millimetres. Locate and screw the set screw (E) in place to secure the flexible hose assembly.
- 8 Screw the decorative collars (D) in place. These will cover the set screws. Secure the standpipe tubes in place using three set screws (A). Tighten the set screws using a 3mm hexagonal key.

INSTALLATION

Shown with handwheels. The same procedure applies to lever models.

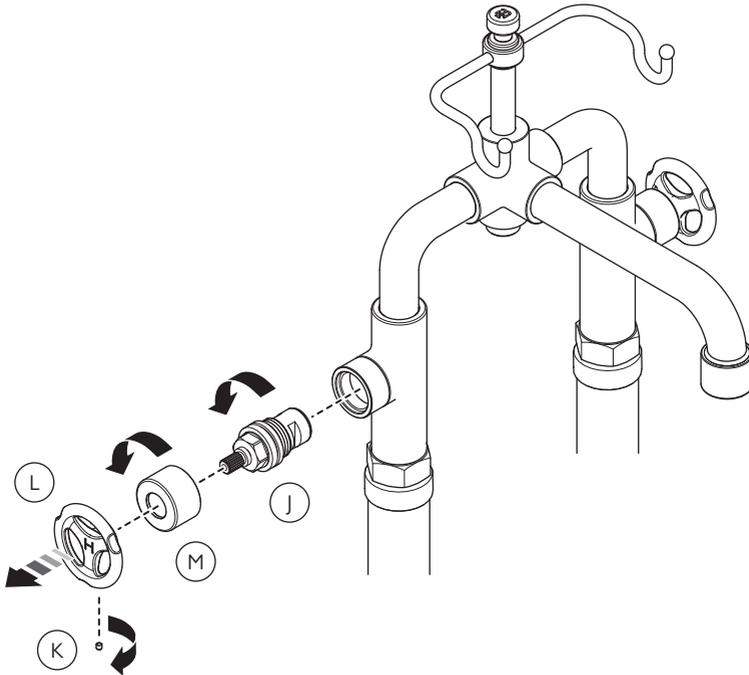


9 Connect the mixer to the standpipes, ensuring that the washers (H) are in place before making the connection.

10 Pressure test the connections.

SERVICING – CARTRIDGE REPLACEMENT

Shown with handwheels. The same procedure applies to lever models.

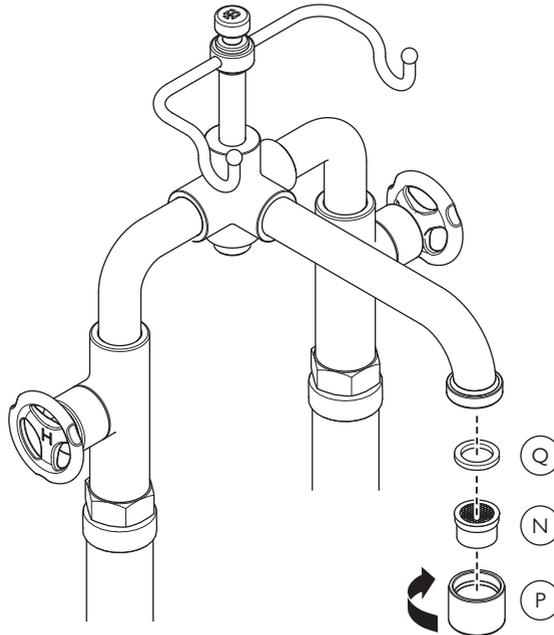


Before continuing please ensure that the water supplies have been isolated and drained where necessary.

- 1 To remove the ceramic cartridge(s) (J), unscrew the set screw(s) (K) in the underside of the handwheel(s)/lever(s) (L) using a 2mm hexagonal key.
- 2 Pull the handwheel(s)/lever(s) to remove.
- 3 Unscrew and remove the shroud(s) (M). We recommend this is done by hand as tools may damage the decorative surface. To aid grip we recommend wearing rubber gloves such as those used for washing up.
- 4 Unscrew and remove the ceramic cartridge(s) (J) using a 17mm spanner.
- 5 Assemble in the reverse order.

SERVICING – CLEANING THE SPOUT AERATOR

Shown with handwheels. The same procedure applies to lever models.



1 There is an aerator (N) located in the end of the spout. To remove the aerator unscrew and remove the aerator cover (P) in a clockwise direction.

2 The aerator can be cleaned in warm soapy water or replaced. Ensure washer (Q) is in place.

3 Assemble in the reverse order.

FAULT FINDING

Water leaks from the connection with the mixer valve.

- Connections not tight.
- Rubber washers are not fitted.
- Standpipes not at same height.

The hot/cold valves are turned off but the spout drips continuously.

- Replace the ceramic cartridge(s). See below for spare part numbers.

Water flow from the spout is reduced.

- Debris from the water supply may be causing restriction at the aerator located in the end of the spout. The aerator can be removed for cleaning. See 'servicing – cleaning the spout aerator' section.

Water drips from the end of the flexible shower hose.

- Tighten the connection at the end of the the shower hose. If water continues to drip then unscrew the connection and replace the washer. We recommend replacing the washers at both ends of the hose.

REPLACEMENT PARTS

Both handwheel and lever models use $\frac{1}{4}$ turn ceramic cartridges.

PHL036 – Pair of $\frac{3}{4}$ " x $\frac{1}{4}$ turn ceramic cartridges (one counter clockwise closing (left side) and one clockwise closing (right side)).

PHL042 – Single $\frac{3}{4}$ " x $\frac{1}{4}$ turn ceramic cartridge (clockwise closing – right side).

PHL043 – Single $\frac{3}{4}$ " x $\frac{1}{4}$ turn ceramic cartridge (counter clockwise closing – left side).

LB 2100 – Flexible shower hose with hexagonal ends. 1.5m x 8mm bore.

PSP044 – Pair of flexible shower hose washers.



CONTRACT ENQUIRIES

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