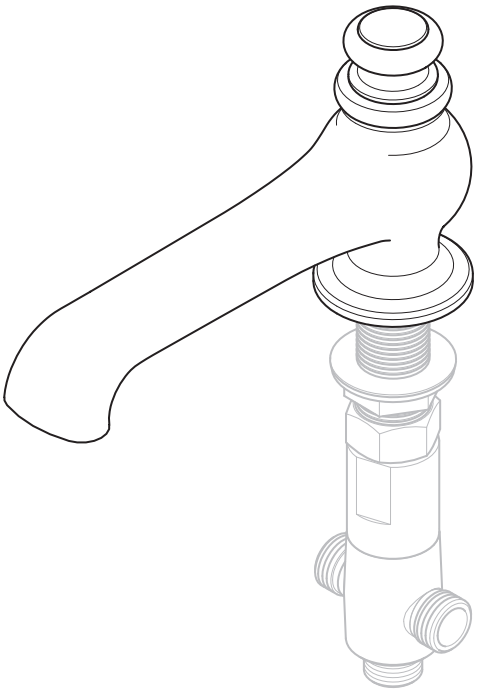
1250 / 1252
FOUR HOLE BATH SET
(SPOUT AND DIVERTER)

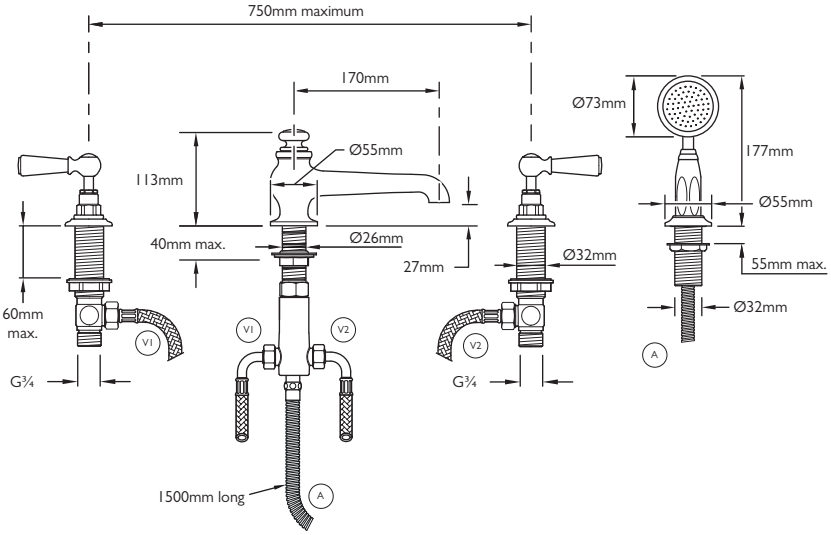
INSTALLATION GUIDE



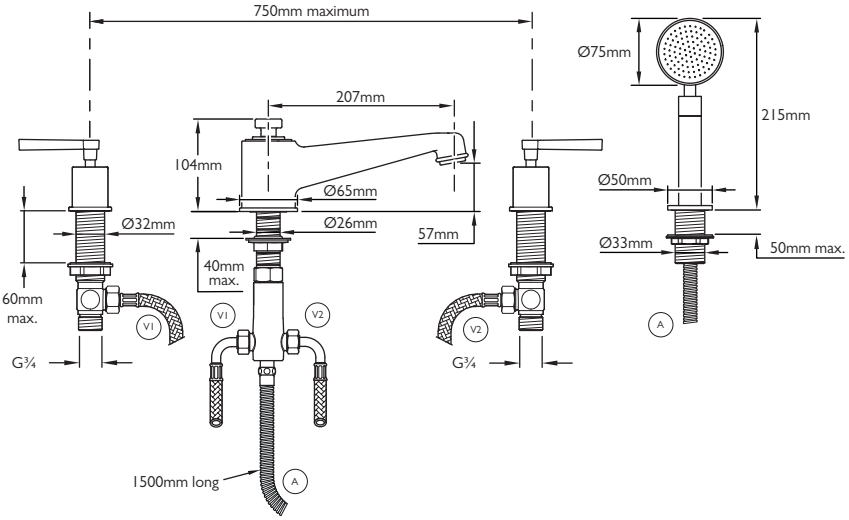
LEFROY BROOKS

DIMENSIONS

1250

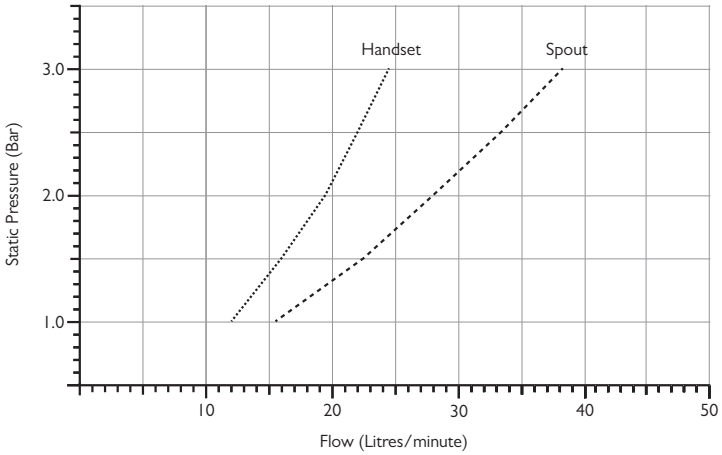


1252



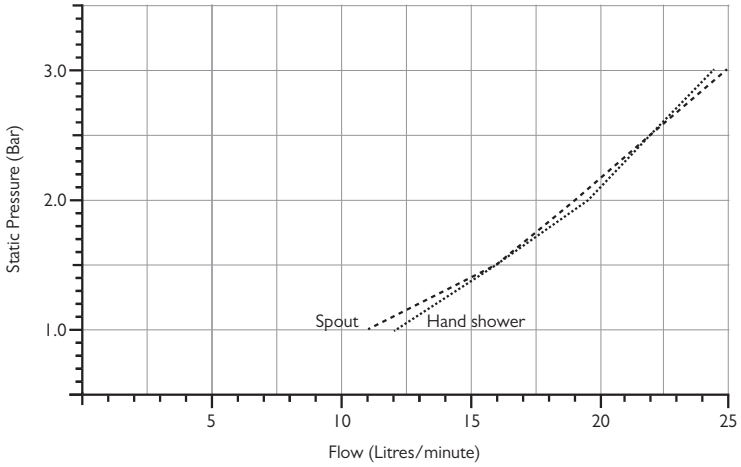
TYPICAL FLOW RATES

1250



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.

1252



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.

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 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 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. TMV's are designed to restrict the temperature to a safe working/maximum temperature. Maximum allowed temperatures vary subject to the 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
Limescale (calcium deposits) may effect the long term performance of ceramic cartridges. In hard water areas a suitable water treatment system should be provided to prevent the formation of limescale. The flow valves, spout and hand shower should be gently wiped with a dry soft cloth after use to minimise water stains.

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

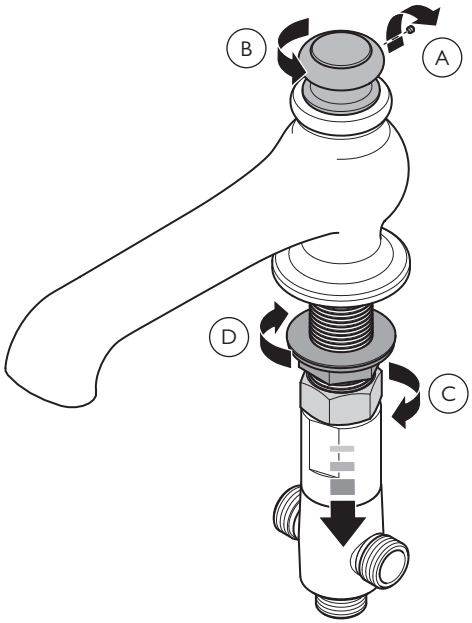
General installation details
The diverter requires a minimum static water pressure of 1.5 bar to retain the diverter knob in the ‘up’ position (i.e. flow through shower handset). If the water pressure is lower than 1.5 bar the diverter knob can be lifted and turned through 90 degrees to lock it into the ‘up’ position.

The four hole bath mixer set is supplied with suitable flexible hoses. These are to be fitted as shown in the dimensions drawing. However, the sequence and the distances can be changed to suit customer requirements, but any additional pipework should be supplied by the installer.

INSTALLING THE SPOUT/DIVERTER

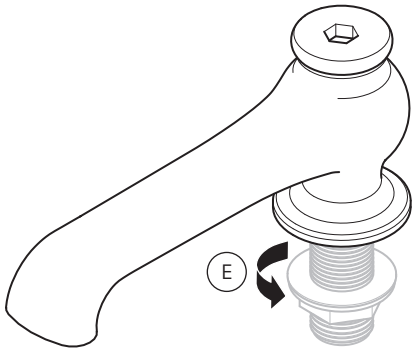
1 Disassemble the spout and diverter

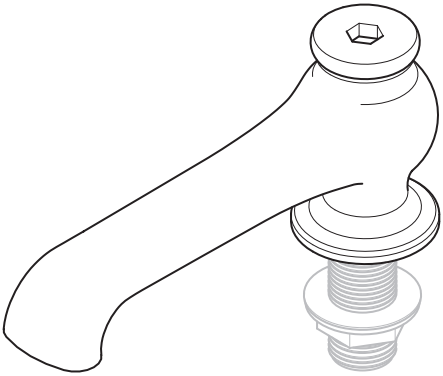
- There is a set screw located in the diverter knob. After removing the spout and diverter assembly from the packaging unscrew the set screw using the hexagonal key (included) (A).
- Unscrew the diverter knob to remove it from the threaded rod (B).
- Unscrew the diverter locking nut fully and remove the diverter from the spout (C).
- Remove the backnut and washer from the spout, ready for installation (D).

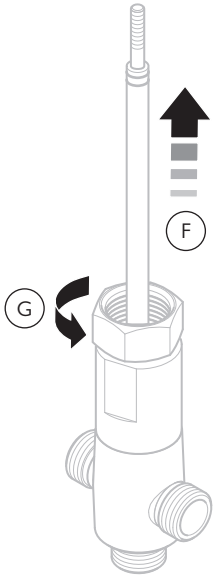


2 Secure the spout

- Locate the spout into the hole in the bath or worktop (40mm maximum thickness).
- Replace the backnut and washer.
- Tighten the nut to secure the spout in place (E).







3 Fit the diverter

- Carefully insert the diverter rod assembly back into the spout (F). It is important to check that the green fibre washer is still located inside the locking nut.

  Important note:
  There are two 'o' rings at the top of the plastic tube. To avoid damage to the 'o' rings care should be taken when passing the rod through the upper section of the spout. Apply a small amount of silicon grease to ease assembly.

- Once pushed in fully, tighten the locking nut to secure the diverter in place (G).
- Continue to install the hot and cold flow valves and holster. Attach all flexible hoses. Install the shower hose and handset. The diverter can be rotated to avoid unnecessary bends in the flexible hoses.
- Turn on the water supply and check all joints.

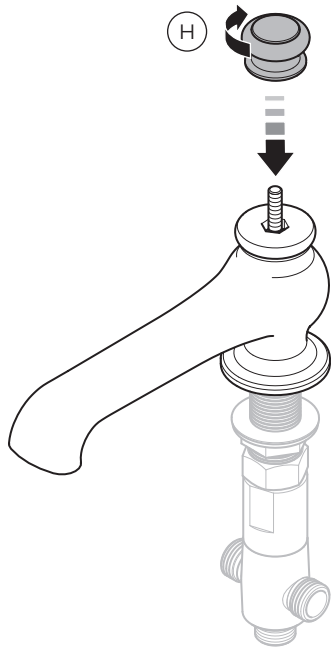
4 Setting the diverter

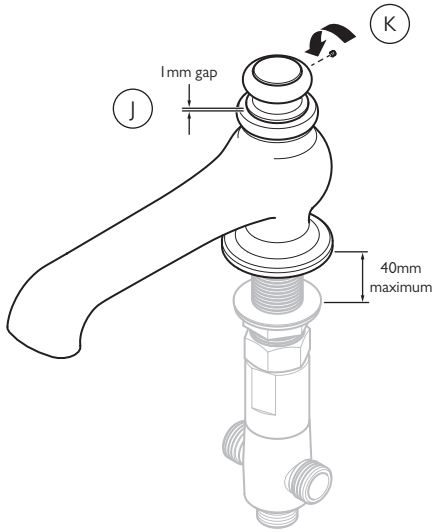
- Before fitting the diverter knob, turn both hot and cold water supplies on.
- Check that water flows from the spout only.
- Pull the threaded rod upward and check water flows from the shower handset only.
- Turn the water supplies off.
- The threaded rod will return to the lower position.
- Screw the diverter knob onto the threaded rod (H). Leave a 1mm gap (J) between the spout body and the underside of the diverter knob. Using the hexagonal key provided secure the diverter knob in place by screwing in set screw (K).

Setting is now complete.

- Test the diverter with the water supplies turned on. Pull the diverter knob up to operate the handset and push down to operate the spout.
- Check that the diverter knob returns to its lower position when the water supplies are turned off.
- Check all joints before concealing pipework.

Note:
If the static water pressure is lower than 1.5 bar the diverter knob can be lifted and turned through 90 degrees to lock it into the up position.
Turn the knob through 90 degrees to release and return to the lower position.





INSTALLING THE FLOW VALVES

Please refer to the separate guide 'Deck mounted flow valves' for installation details

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FAULT FINDING

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

- Replace the ceramic cartridge(s). See 'Replacement parts' section for spare part numbers.

With the hot/cold taps turned on, water comes from the spout and handset at the same time.

- Follow the setting instructions shown in section 4 'setting the diverter' leaving a 1mm gap between the spout body and the underside of the diverter knob. If water continues to flow from the spout and handset at the same time then there may be debris lying on the rubber seal within the diverter.

Water flow from the spout is reduced.

- On 1252 models 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).
- Check that there are no tight bends in the flexible hoses.

Noisy operation.

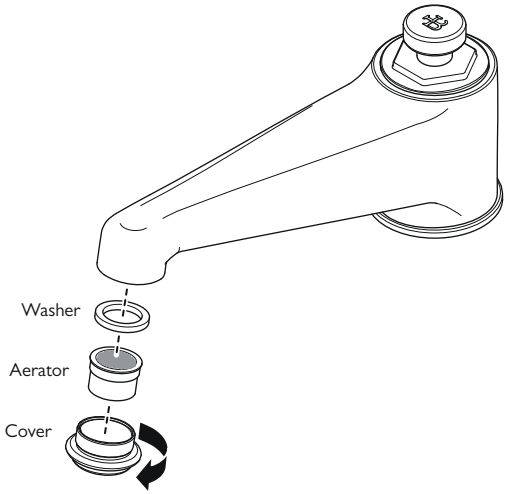
- Check that there are no tight bends in the flexible hoses.
- Reduce water pressure.

Leaks from underside of basin.

- Flexible hose joints not tight.

SERVICING – CLEANING THE SPOUT AERATOR

Only applicable on 1252 models



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

2 The aerator can be cleaned in warm soapy water.

3 Assemble in the reverse order.

REPLACEMENT PARTS

PHL036 – ¾" x ¼ turn ceramic cartridges for levers (pair)
PHL037 – ¾" x ½ turn ceramic cartridges for cross handles/handwheels (pair)
PBS019 – ¾" x ½" braided hoses (pair)
LB2101 – Shower hose
PSH071 – 1250 spout diverter assembly only (May 2016 onward)
PSH079 – 1252 spout diverter assembly only
PSH127 – 1252 spout aerator assembly

20.065.097E / MARCH 2024

CONTRACT ENQUIRIES

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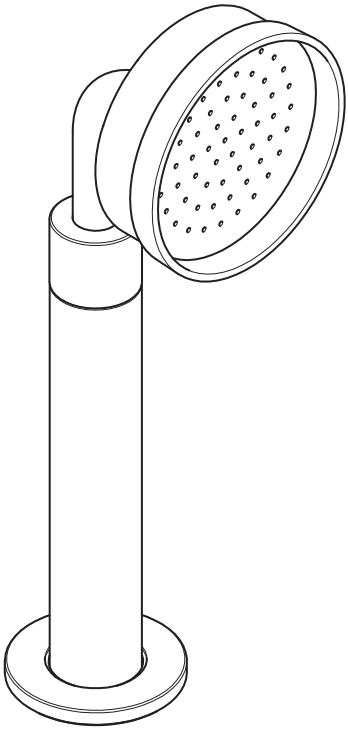
technical@lefroybrooks.co.uk

LEFROYBROOKS.CO.UK

2143
DECK MOUNTED HAND SHOWER
INSTALLATION GUIDE



LEFROY BROOKS

IMPORTANT INFORMATION

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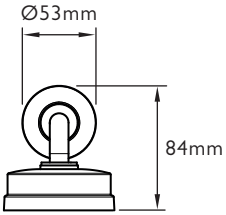
Suits all systems
This Lefroy Brooks product is potentially suitable for every possible application, type of boiler and water supply pressure. However, if your supply pressure is below 1 bar it is advisable to fit a water pump. For systems with combination boilers, it is not advisable to fit pumps (refer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

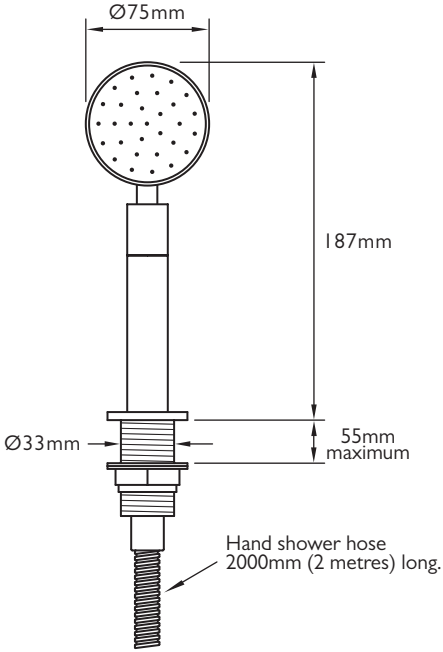
Supply connections
The shower hose has a G½ (½" BSP) nut.

Flushing system
It is most important to flush out all pipework thoroughly before connecting the product. This will prevent the shower rose becoming blocked with debris.

Servicing
Suitable access should be available to aid any future maintenance/servicing. Installing isolation valves will make servicing much easier (not supplied).
All serviceable parts are available to maintain your Lefroy Brooks product (contact retailer for details).

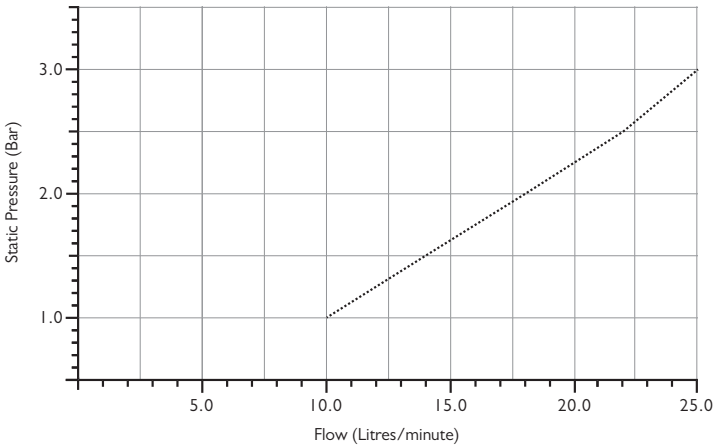
DIMENSIONS





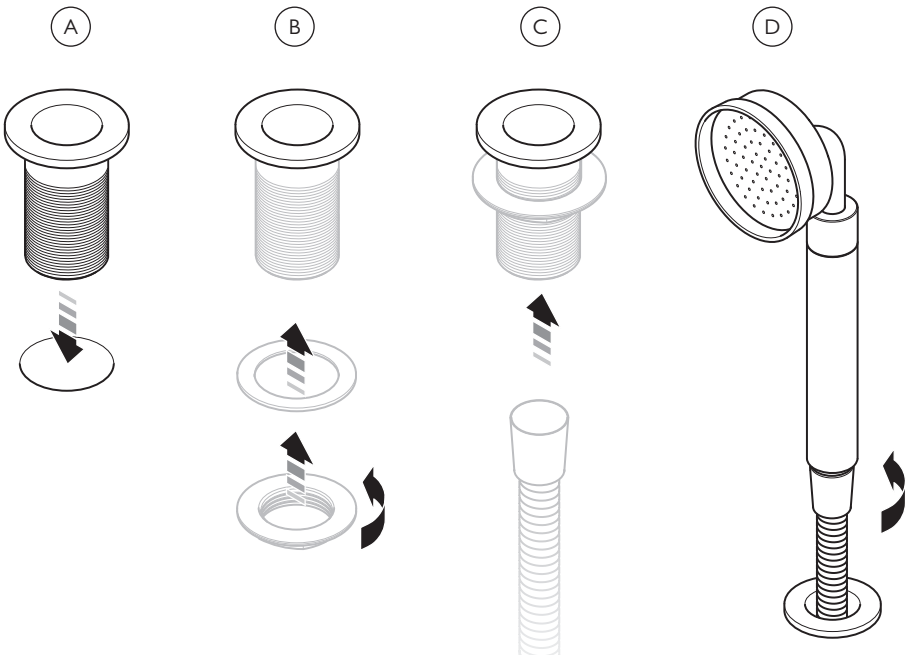
Not to scale

TYPICAL FLOW RATES



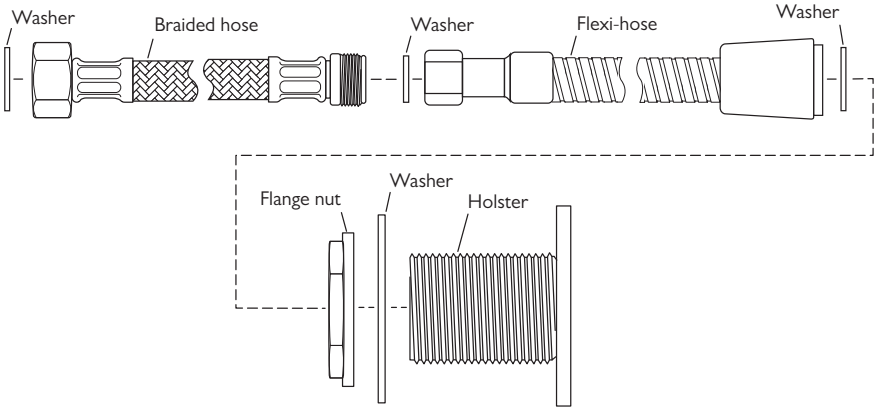
Note: Balance pressures shown are applied directly to the hot and cold inlets; flow rates indicated are free flowing and may vary subject to restrictions created by installation, pipework, layout or application.

INSTALLATION



1 Cut a suitable hole in the work surface for the holster.
2 Locate the holster into the hole (A).
3 With the washer in place, screw the flange nut in place to secure (B).
4 Pass the shower hose through the holster (C).
5 Screw the shower hose onto the bottom of the hand shower then rest the hand shower in the holster (D).
6 Connect the shower to a mixed water supply. It is important to avoid tight bends which may flatten the hoses causing reduced water flow.
7 Turn on the water supply and check for leaks.

SERVICING GUIDELINE



REPLACEMENT PARTS

PSH043 – Flexible & braided hose set, excluding holster.
PSH105 – Deck mounted holster including washer and flange nut.
MK 2104 – Hand shower rose.

20.065.310A / MARCH 2021

CONTRACT ENQUIRIES

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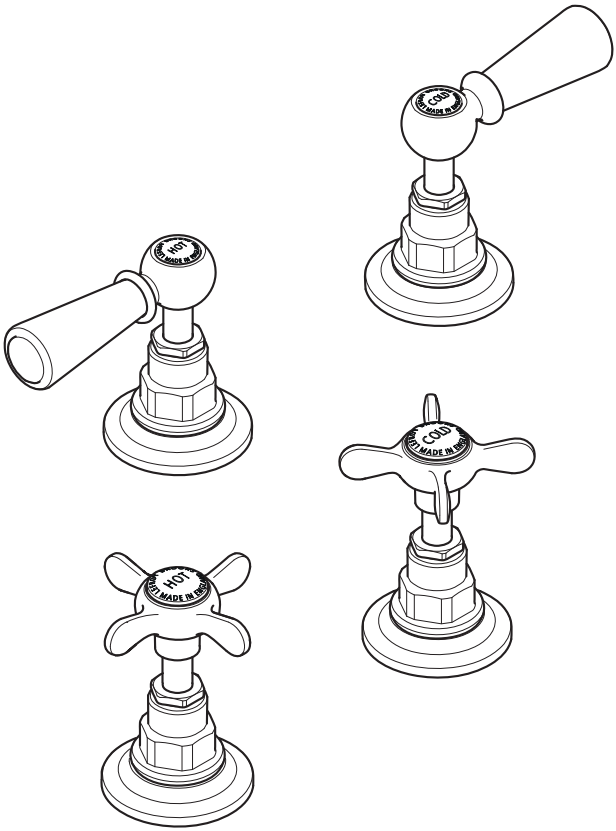
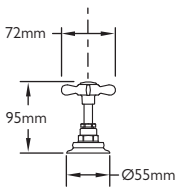
DECK MOUNTED FLOW VALVES

INSTALLATION GUIDE

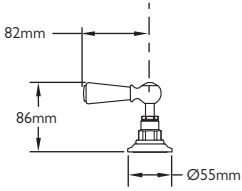


LEFROY BROOKS

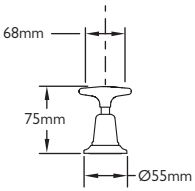
DIMENSIONS



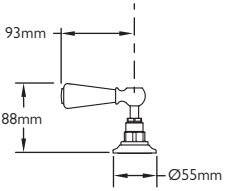
1900 Classic
cross handle (LB)



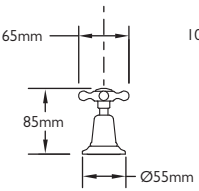
1900 Classic lever
white ceramic (WL)



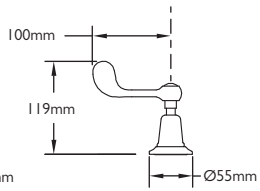
1900 Classic star
handle (LS)



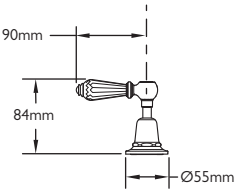
1900 Classic lever
black ceramic (BL)



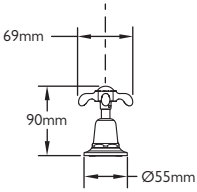
1900 Connaught
cross handle (CH)



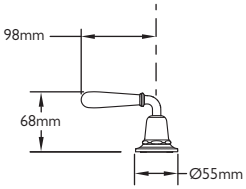
1900 Connaught
lever (CL)



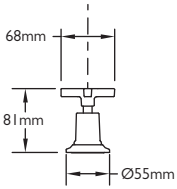
1910 Black crystal
lever (CR)



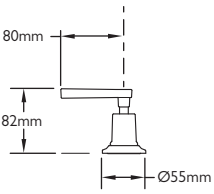
1910 La Chapelle
cross handle (FH)



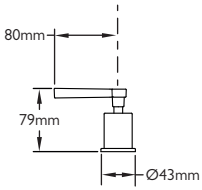
1910 La Chapelle lever black ceramic (FB),
1910 La Chapelle lever white ceramic (FW)
& 1910 La Chapelle lever metal (FM)



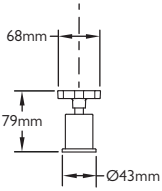
1930 Mackintosh
cross handle (MH)



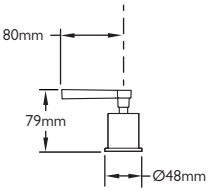
1930 Mackintosh lever (ML) &
1930 Mackintosh Black lever (MB)



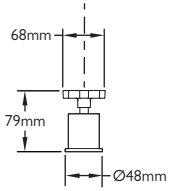
1935 Janey Mac lever (JL)
for basins



1935 Janey Mac
cross handle (JH) for basins



1935 Janey Mac lever (JL)
for baths

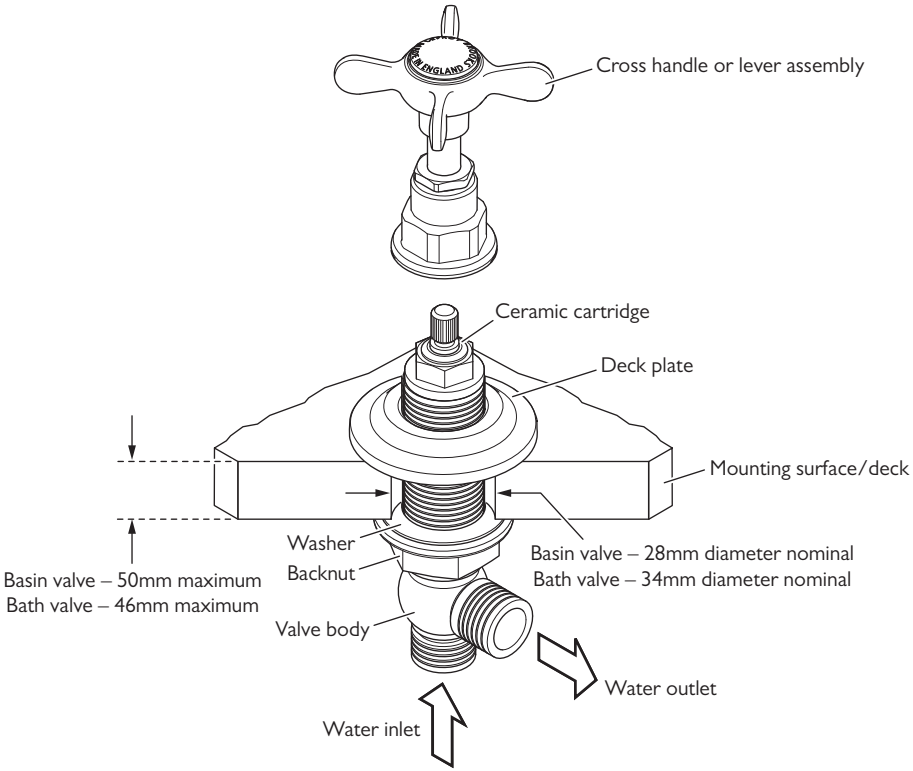


1935 Janey Mac
cross handle (JH) for baths

Not to scale

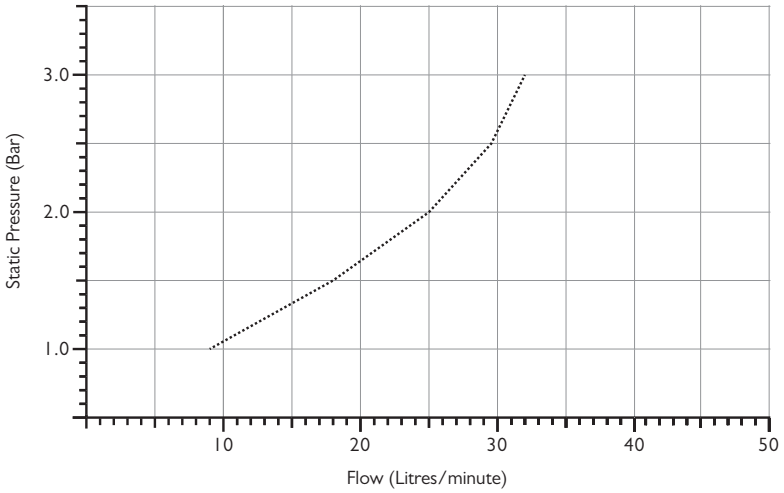
DIMENSIONS AND IDENTIFICATION

Shown with cross handle. The dimensions shown also apply to lever models.

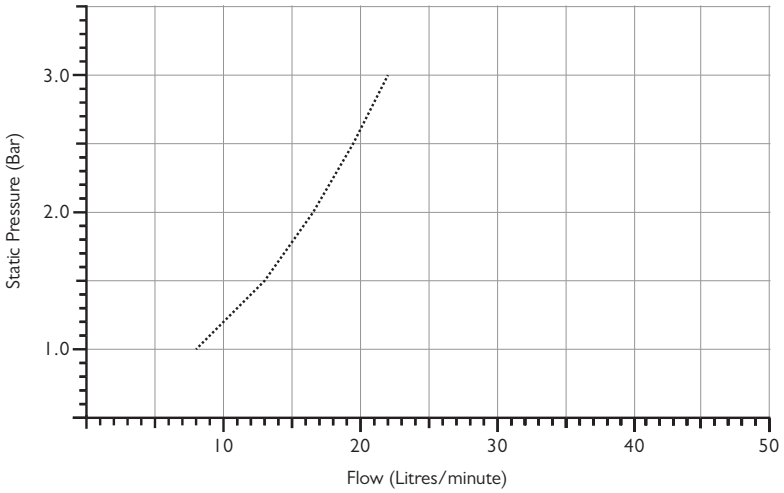


TYPICAL FLOW RATES

Bath valve



Basin valve



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

IMPORTANT INFORMATION

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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 and cold water supplies should be connected using suitable ½" or ¾" connectors.

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. Where flexible hoses are fitted, this should be fitted to whichever has the greater flow rate, in an accessible position close to the valve. Do not fit the flow suppressor/regulator at the spout as this will increase the pressure in the flexible hoses.

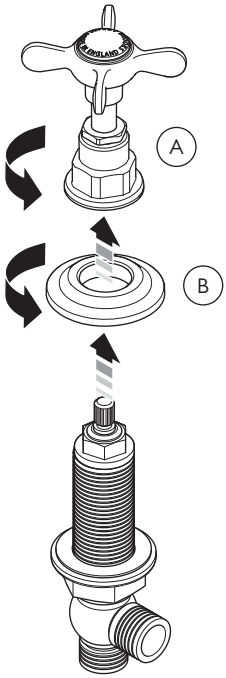
Water quality
In hard water areas, a suitable water treatment system should be provided to prevent limescale deposits (calcium deposits) which may effect the long term performance of the ceramic cartridges. Exterior surfaces should be gently wiped with a dry soft cloth after use to minimise water stains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

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.

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

FLOW VALVE INSTALLATION

Shown with cross handle. The same procedure also applies to lever models.



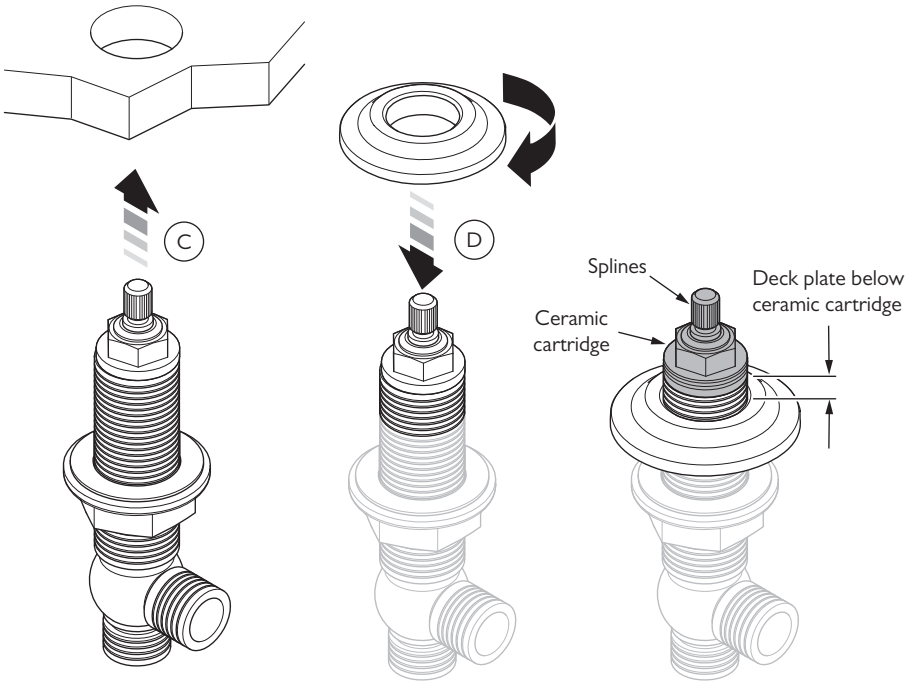
Before continuing please be aware that on lever models it is important to keep the flow valve bodies and lever assemblies together as supplied. Do not swap the lever assemblies from hot and cold valves.

1 Where necessary drill Ø28–30mm holes in the mounting surface for basin flow valves or Ø34–36mm holes for bath flow valves.

2 Support the flow valve body then unscrew and remove the cross handle/lever assembly (A) from the valve body.

3 Unscrew and remove the deck plate (B). Do not remove the backnut and washer.

FLOW VALVE INSTALLATION



4 Locate the flow valve through the hole in the mounting surface (C).

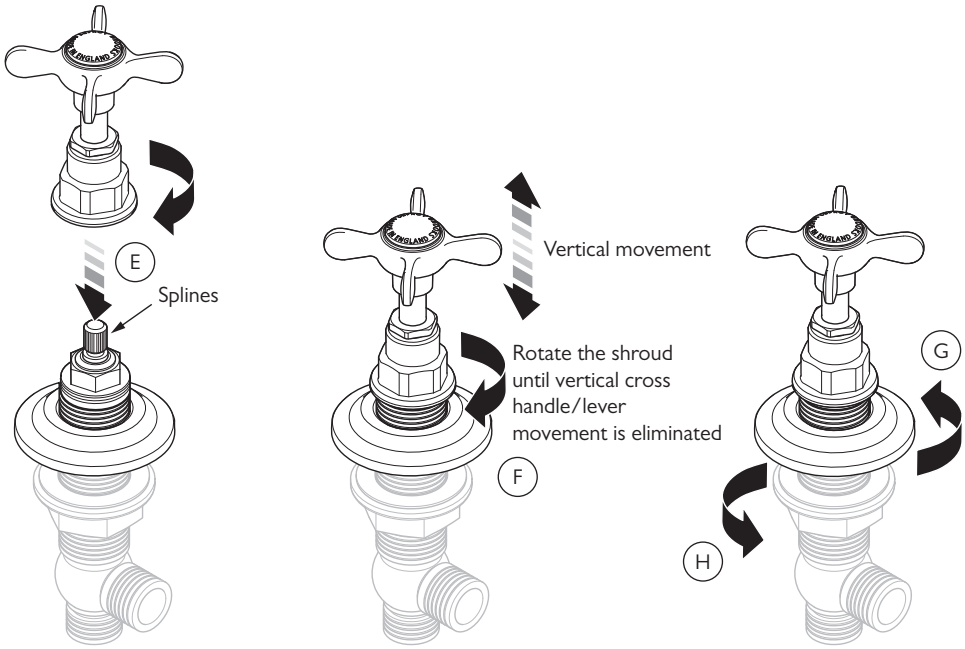
5 Screw the deck plate onto the top of the flow valve, beyond the level of the ceramic cartridge (D).

6 On cross handle models rotate the splines on top of the ceramic cartridges so that they are in the fully clockwise position. On lever models rotate the splines on top of the 'hot' ceramic cartridge so that they are in the fully clockwise position and the splines on top of the 'cold' ceramic cartridge so that they are in the fully counter clockwise position. The cross handle/levers can be loosely located to achieve this.

7 Rotate the flow valve body so that the side outlet port is facing the required direction for connection.

FLOW VALVE INSTALLATION

Shown with cross handles. The same procedure applies to lever models.



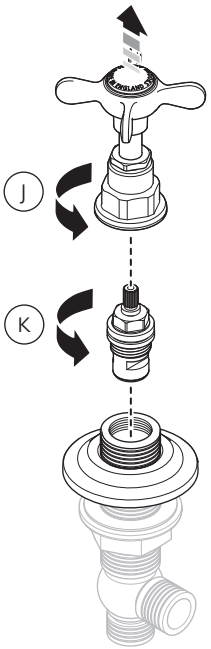
8 With the cross handle/lever 'hot/H' or 'cold/C' text aligned, locate the cross handle/lever assembly onto the splines of the cartridge (E). Rotate the shroud of the cross handle/lever assembly until vertical movement of the cross handle/lever is eliminated (F). DO NOT tighten the cross handle/lever assembly in place as this may damage the ceramic cartridge and will make operation of the cross handle/lever feel stiff. The aim is to simply rotate the cross handle/lever assembly shroud until the cross handle/lever no longer has any vertical/up and down movement.

9 Rotate the deck plate to meet the cross handle/lever assembly, leaving no gap between them (G).

10 Ensure that the cross handle/lever alignment is as required before securing the flow valve in place. The flow valve can be rotated to correct any small alignment issues. Tighten the backnut to secure the flow valve in place (H).

SERVICING – CARTRIDGE REPLACEMENT

Shown with cross handle. The same procedure applies to lever models.



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

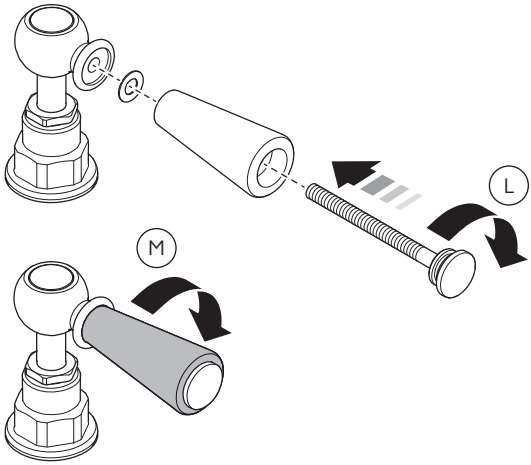
1 To remove the ceramic cartridge, unscrew and remove the cross handle/lever assembly (J).

2 Support the flow valve body. Unscrew and remove the ceramic cartridge using a 17mm spanner (K).

3 Assemble in the reverse order.

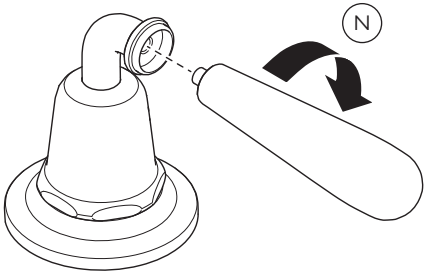
4 Refer to steps 8–10 in the 'flow valve installation' section to ensure the cross handle/lever assembly is installed correctly.

SERVICING – REPLACING THE LEVER CERAMIC/CRYSTAL HANDLE ON BL, WL & CR MODELS



1 Push the threaded screw throught the centre of the replacement ceramic handle.
2 Locate the end of the threaded screw into the hole in the lever body. Tighten the screw by hand (L).
3 To secure, grip the ceramic handle and rotate it in a clockwise direction (M).

SERVICING – REPLACING THE LEVER CERAMIC ON FB, FM & FW MODELS



1 Unscrew the ceramic from the lever.
2 Fit the replacement lever by screwing into the lever body (N).

FAULT FINDING

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

- Replace the ceramic cartridge(s). See below for spare part numbers and the 'servicing – cartridge replacement' section.

The cross handle/lever feels loose and has vertical/up and down movement.

- Reset the cross handle/lever assembly (refer to steps 8 to 10 in the 'flow valve installation' section).

The cross handle/lever operation feels tight/stiff.

- Reset the cross handle/lever assembly (refer to steps 8 to 10 in the 'flow valve installation' section).

REPLACEMENT PARTS

Basin flow valve cartridges.

PHL034 – Pair of ½" x ½ turn ceramic cartridges for cross handless (clockwise closing).
PHL035 – Pair of ½" x ¼ turn ceramic cartridges for levers (one clockwise closing (left side) and one counter clockwise closing (right side)).

Bath flow valve cartridges.

PHL037 – Pair of ¾" x ½ turn ceramic cartridges for cross handless (clockwise closing).
PHL036 – Pair of ¾" x ¼ turn ceramic cartridges for levers (one clockwise closing (left side) and one counter clockwise closing (right side)).

Lever parts.

PHL016 – (WL) White lever ceramic only.
PHL020 – (BL) Black lever ceramic only.
PHL066 – (WL & BL) Lever threaded screw and end cap.

PHL009 – (LB) Pair of Classic cross handles 'hot' and 'cold' ceramic indices.
PHL015 – (WL & CL) Pair of White Lever and Connaught Lever 'hot' and 'cold' ceramic indices.
PHL027 – (CH) Pair of Connaught cross handles 'hot' and 'cold' ceramic indices.

PHL095 – (CR) Black crystyal lever, crystal only.
PHL114 – (CR) Crystal lever threaded screw and end cap.

PHL122 – (FB) La Chapelle lever, black ceramic and shaft.
PHL123 – (FW) La Chapelle lever, white ceramic and shaft.
PHL124 – (FM) La Chapelle lever, metal ceramic and shaft.

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