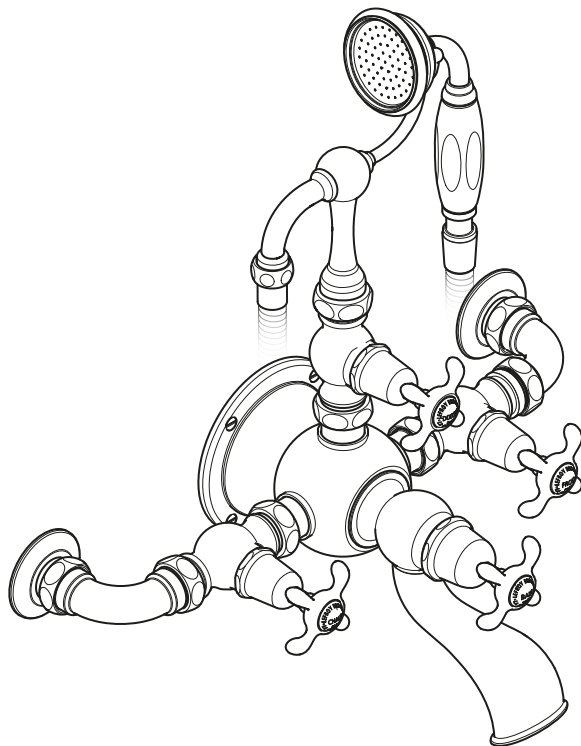


1146 / 1156
LA CHAPELLE WALL MOUNTED
BATH SHOWER MIXER
INSTALLATION GUIDE



LEFROY BROOKS

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

The inlet connections are 22mm compression fittings.

Servicing

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

Fixing valve to wall

Secure the valve to the wall using suitable screws and wall plugs (supplied). All connections should be pressure tested before sealed behind the wall.

Due to the weight of the valve, it is important that a 'stud wall' be strengthened using wooden batons. The valve should be screwed to the batons to spread the load.

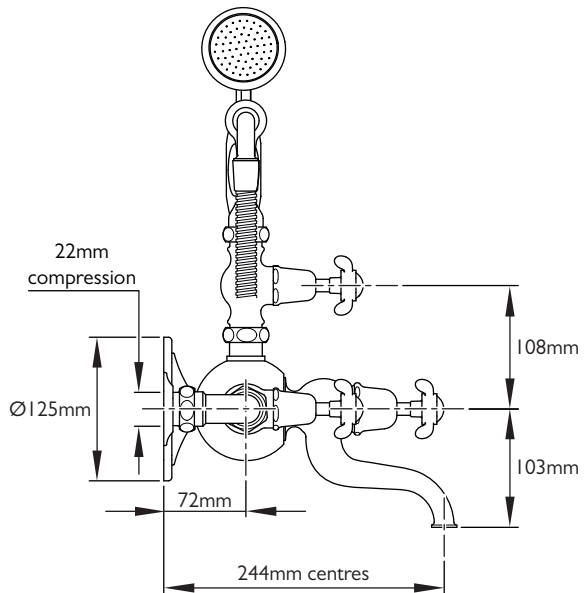
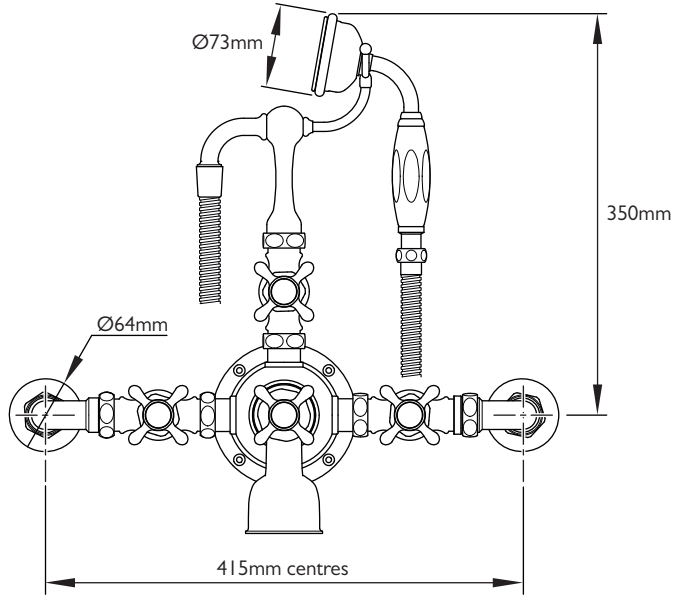
Non-return valves

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

Testing

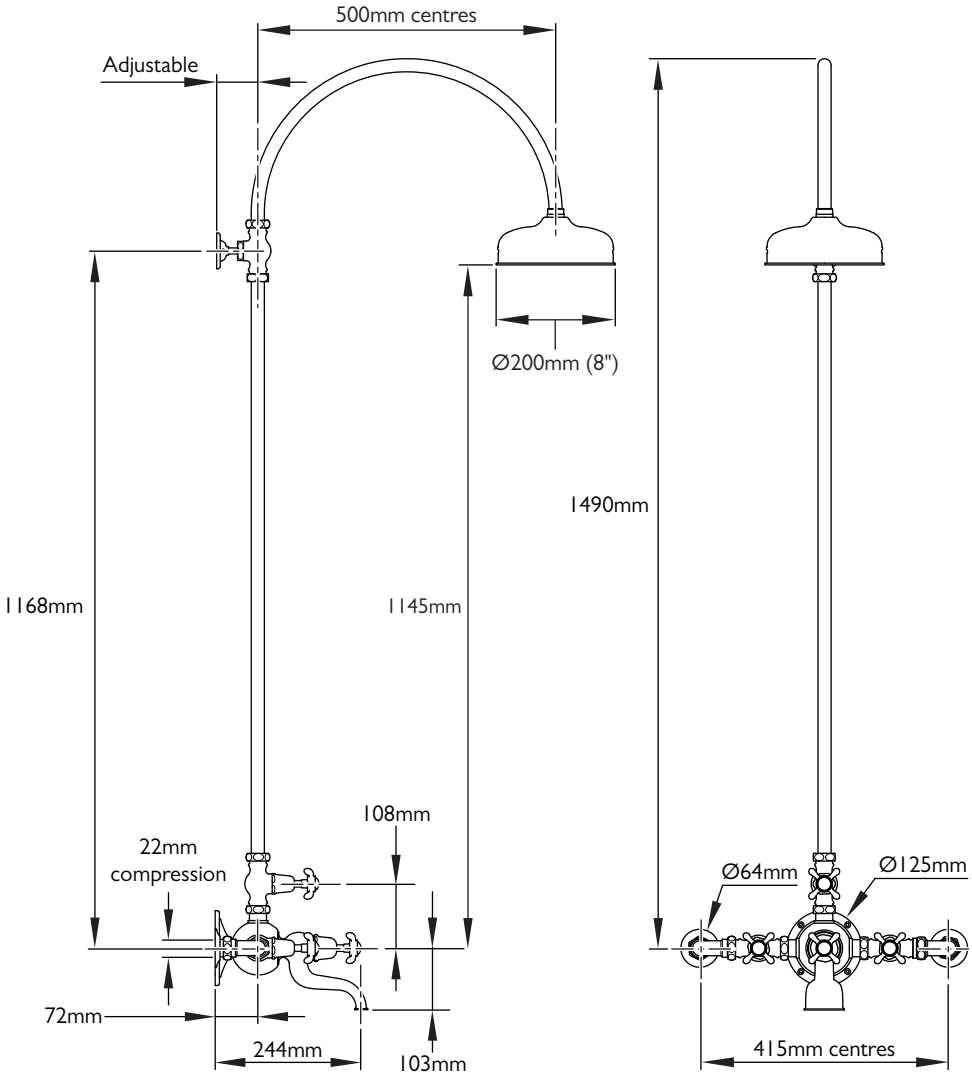
Before the pipework is sealed behind the finished wall surface it is important to pressure check all connections.

DIMENSIONS FOR FH 1146 MODEL



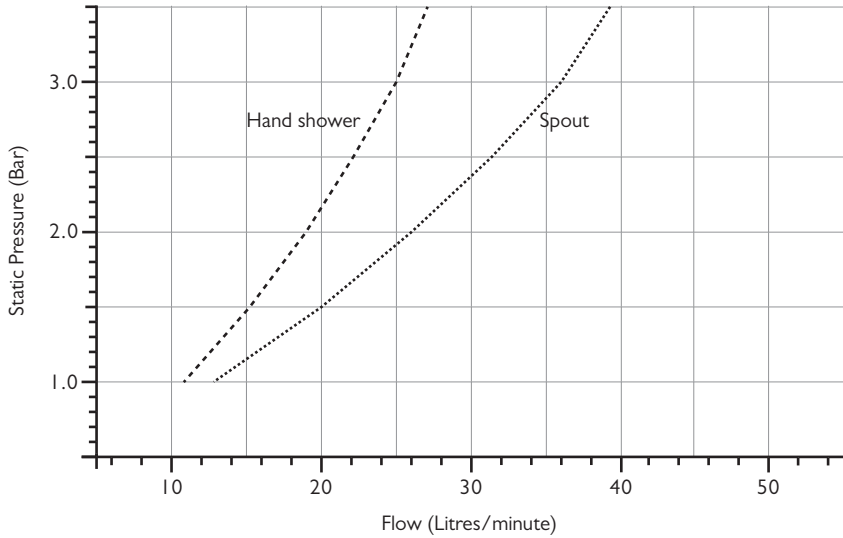
Not to scale

DIMENSIONS FOR FH 1156 MODEL



Not to scale

TYPICAL FLOW RATES



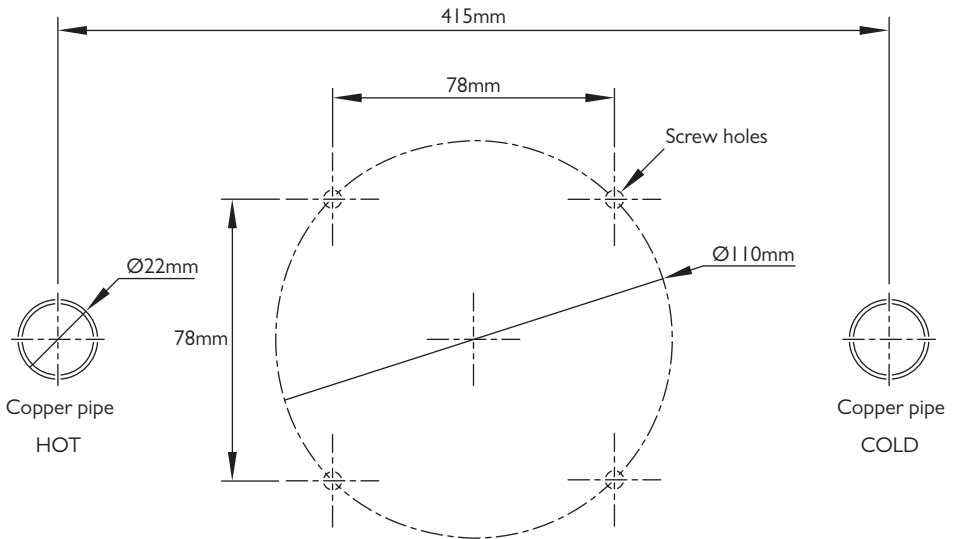
Note: Balanced pressures shown are applied directly to the hot and cold inlets; flow rates indicated are free flowing and may vary subject to restrictions created by installation, pipework, layout or application. Spout and hand shower tested separately.

TRANSLATION

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

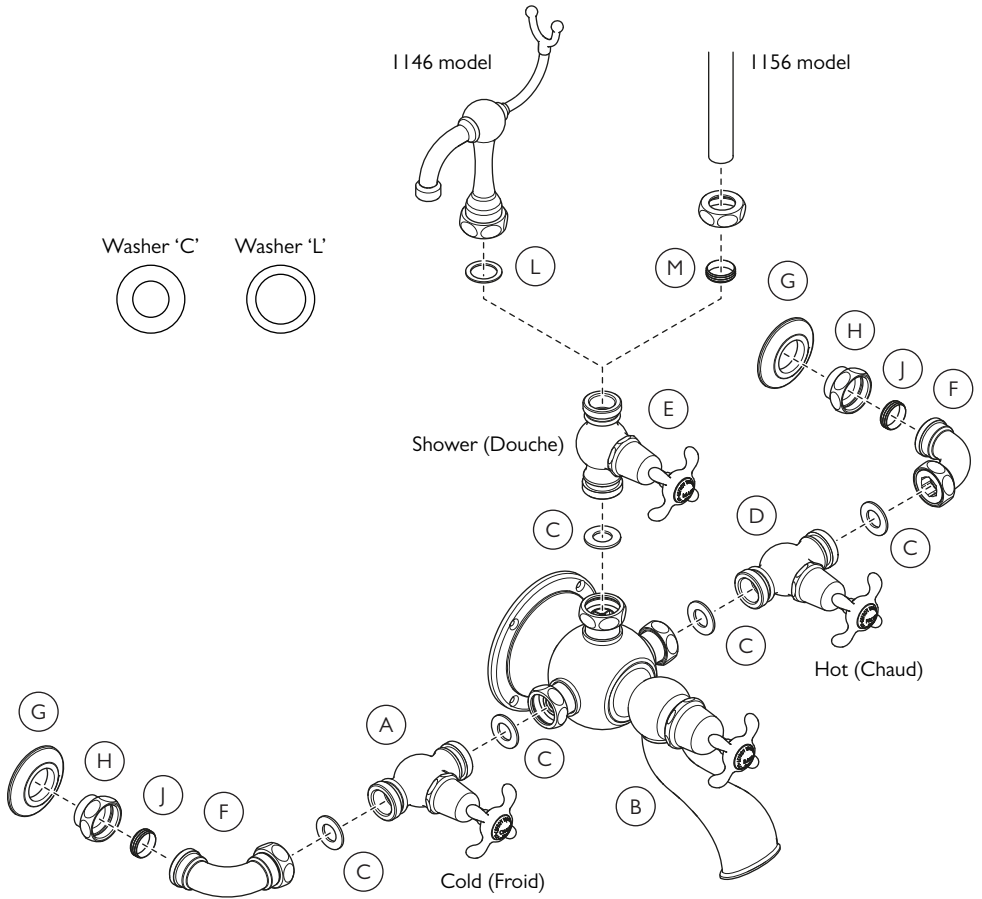
PREPARATION

Wall positions for supply pipes & wall plate.



- 1 Mark the positions for the supply pipes and mounting bracket on to the mounting surface.
- 2 The $\text{\O}22\text{mm}$ supply pipes should be secured at 230mm centres and protrude at least 50mm. Allow for tile thickness and cut to length (approximately 30mm) later.
- 3 Once the pipes are installed they should be flushed to remove debris.
- 4 Mark the wall plate screw holes on the wall. The wall plate can be removed from the rear of the thermostatic valve if required. To do this, unscrew and remove the securing nut using a 24mm A/F spanner/socket. Replace the wall plate in the reverse order when marking is complete.
- 5 Drill suitable sized holes in the mounting surface for the chosen wall plugs/fixings. Always ensure that pipework is not present behind the area to be drilled.

ASSEMBLY & INSTALLATION



All joints should be 'hand tight only' until assembly and installation is finalised.

- 1 Assemble the cold (froid) flow valve (A) to the left side of the body (B). Ensure that the washer (C) is in place. There is an arrow on the rear of the body that indicates the direction of water flow.
- 2 Assemble the hot (chaud) flow valve (D) to the right side of the body. Ensure that the washer (C) is in place. There is an arrow on the rear of the body that indicates the direction of water flow.
- 3 Assemble the shower (douche) flow valve (E) to the top of the body. Ensure that the washer (C) is in place. There is an arrow on the rear of the body that indicates the direction of water flow.
- 4 Assemble the inlet elbows (F) to the left and right flow valves. Ensure that the washers (C) are in place.
- 5 Apply a small amount of silicon to the rear of the crack cover plates (G). Locate these on to the protruding inlet pipes.
- 6 Locate the compression nuts (H) and olives (J) on to the protruding inlet pipes.
- 7 Locate the bath shower mixer and secure to the wall using screws.

1146 Model

- 1 Assemble the hand shower cradle to the upper flow control valve. Ensure that washer (L) is in place.
- 2 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.
- 3 Place the hand shower in to the cradle.
- 4 Using the nut protector supplied, tighten all joints fully to provide a water tight seal. The nut protector will prevent damage to the surface finish.

1156 Model

- 1 Assemble the riser tube to the upper flow control valve. Ensure that the olive (M) is in place.
- 2 Continue with the installation of the riser by securing the support bracket with screws.
- 3 Using the nut protector supplied, tighten all joints fully to provide a water tight seal. The nut protector will prevent damage to the surface finish.

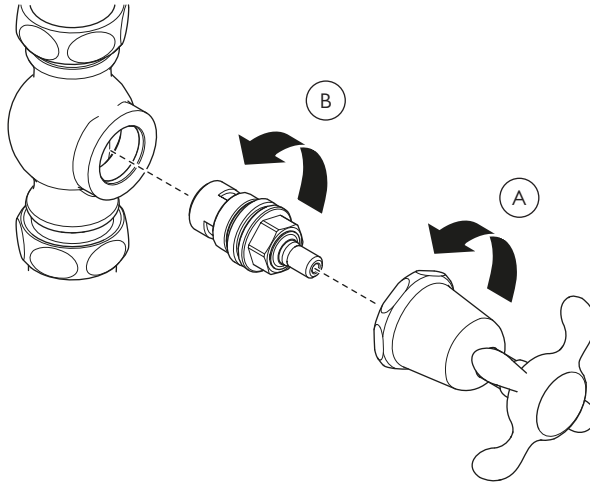
TESTING FOR LEAKS

- Turn on the hot & cold mains supplies.
- Where applicable, lift the hand shower from the cradle and aim into bath.
- Turn the flow controls to the 'on' position (fully counter clockwise). Check for leaks and tighten joints as required.
- Turn the flow controls to the 'off' position (fully clockwise). This will pressure test all joints except the upper nut(s) above the upper flow control. Check for leaks and tighten joints as required.
- Turn the flow controls to the 'off' position (fully clockwise).

SERVICING – CARTRIDGE REPLACEMENT

If after a period of time you experience problems with your spout/shower/hand shower developing a regular and constant drip after use, it is normally an indication that the flow cartridge that supplies water to them requires replacement.

Applies to all flow cartridges.

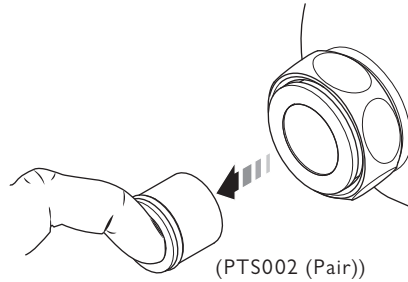


Before continuing please ensure that the water supplies have been isolated and drained where necessary.

- 1 To remove, support the body of the housing, grasp the handle/lever 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 housing 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)/lever(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.



- 1 Isolate the hot and cold water supplies before the valve.
- 2 Remove the thermostatic valve from the wall.
- 3 Unscrew and remove the elbows from the sides of the thermostatic valve. 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. Assemble in reverse order.



CONTRACT ENQUIRIES

+44 (0)1992 708 316

info@lefroybrooks.co.uk

CUSTOMER SERVICE, SPARES & TECHNICAL ENQUIRIES

+44 (0)1902 390 894

technical@lefroybrooks.co.uk

LEFROYBROOKS.CO.UK

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