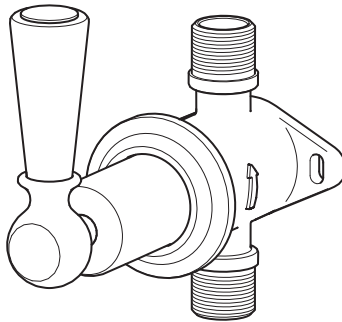
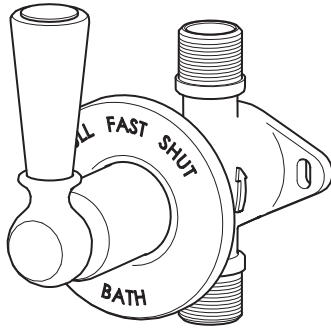


WALL MOUNTED FLOW VALVES AND WALL VALVES

INSTALLATION GUIDE



LEFROY BROOKS

VALVE CODES

FLOW VALVES

- 5000 – Plain wall plate
- 5001 – 'Bath' wall plate
- 5002 – 'Jets' wall plate
- 5003 – 'Head' wall plate
- 5004 – 'Hand' wall plate

WALL VALVES (HOT & COLD)

Handwheels

- CH – PWV009
- DH – PWV072
- FH – PWV020
- JH – PWV064
- LB – PWV013 (Bath)
- LB – PWV001 (Basin)
- LS – PWV062
- MH – PWV011
- RH – PWV021
- TH – PWV068

Lever

- BL – PWV005
- CL – PWV010
- CR – PWV058
- DL – PWV074
- FB – PWV056
- FL – PWV049
- FM – PWV054
- FW – PWV052
- JL – PWV066
- MB – PWV060
- ML – PWV012
- MTL – PWV085
- RL – PWV022
- TL – PWV070
- WL – PWV002

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

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

Flushing system

It is most important to flush out all pipework thoroughly before connecting the spout. This is the single most common cause of valve/ cartridge failure.

Supply connections

Lefroy Brooks do not supply any pipework or connections for wall valves as they can be installed in a variety of configurations subject to each customer's installation design or requirement.

Balancing flow

When using wall valves as separate hot and cold supplies, if a significant difference in pressure exists, we advise fitting a 'flow regulator' (not supplied) to the higher or both supplies. It is also recommended that non-return valves are fitted to protect your system (not supplied).

Flow valves very often receive a mixed water supply from a thermostatic mixing valve.

Non-return valves are incorporated into your Lefroy Brooks thermostatic mixing valve.

The hot and cold water valves are the same for basin, bath & shower installations. The only difference is the sliding wall plate. Connections should be made using ½" BSP female parallel connectors (not compression fittings).

Water quality

In hard water areas, a suitable water treatment system should be provided to prevent limescale deposits (calcium deposits) which may affect the long term performance of the ceramic cartridge. 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.

DEFINITIONS

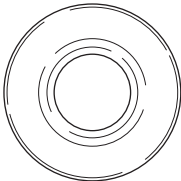
Flow valves

Water supply is from a thermostatic shower. Used to isolate and control flow to items such as hand showers, body jets, bath spouts etc.

Wall valves

Water supply is 'Hot' or 'Cold'. Used to isolate and control flow to bath fillers and spouts.

FLOW VALVE WALL PLATE OPTIONS



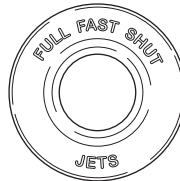
5000

Plain wall plate



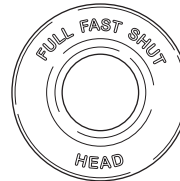
5001

'Bath' wall plate



5002

'Jets' wall plate



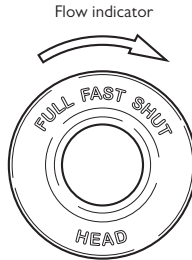
5003

'Head' wall plate



5004

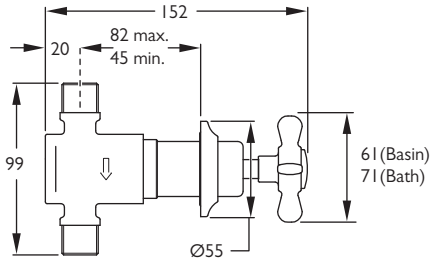
'Hand' wall plate



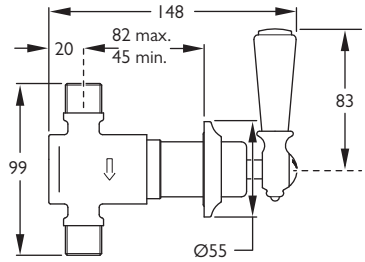
EXTENSION KIT

A 25mm extension kit (part number Wfv9900) is available for wall and flow valves that are fitted into deep walls. This consists of a shroud and spindle extension. The kit is available for all models except Belle Aire.

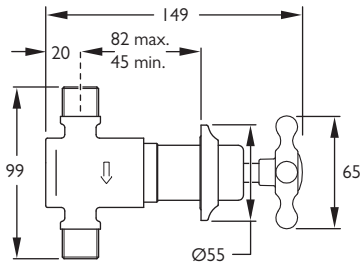
WALL VALVE DIMENSIONS



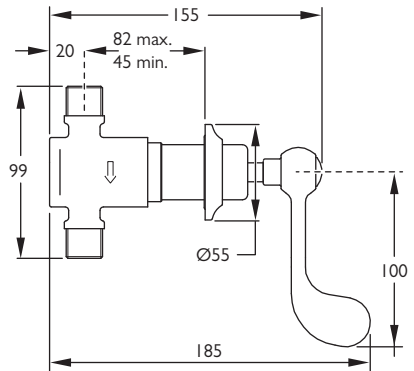
LB – Classic handwheel – PWV001 (basin)
PWV013 (bath)



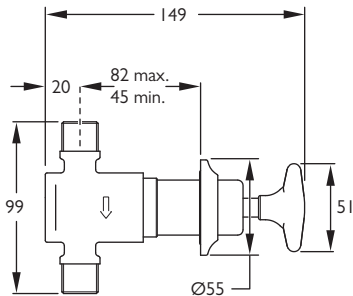
WL – White lever – PWV002
BL – Black lever – PWV005
MTL – Metal lever – PWV085



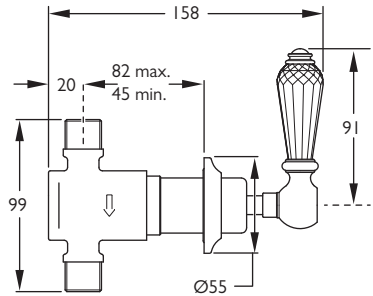
CH – Connaught handwheel – PWV009



CL – Connaught lever – PWV010
(available, but not offered as standard)



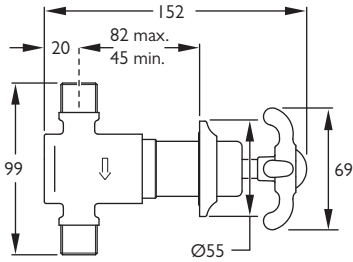
LS – Classic star handwheel – PWV062



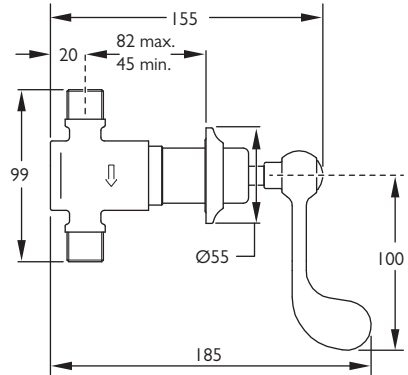
CR – Black crystal lever – PWV058

Not to scale

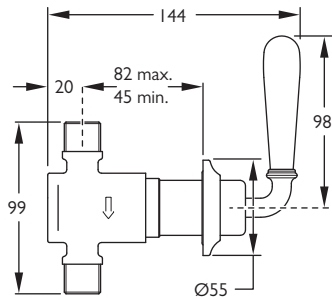
WALL VALVE DIMENSIONS



FH – La Chapelle handwheel – PWV020

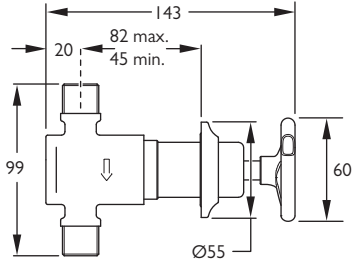


FL – La Chapelle lever – PWV049
(available, but not offered as standard)

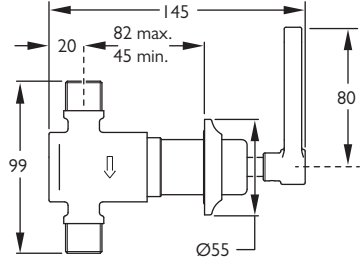


FW – La Chapelle white lever – PWV052
FM – La Chapelle metal lever – PWV054
FB – La Chapelle black lever – PWV056

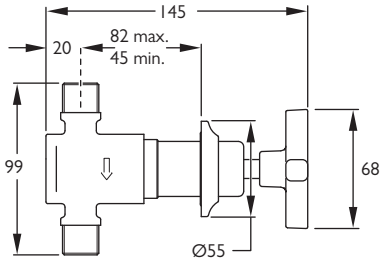
WALL VALVE DIMENSIONS



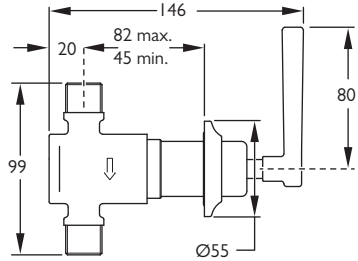
TH – Ten Ten handwheel – PWW068



TL – Ten Ten lever – PWW070

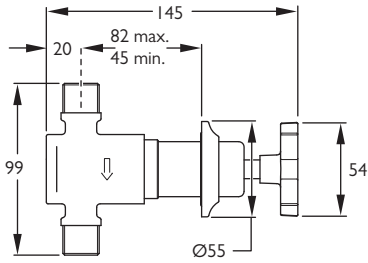


MH – Mackintosh handwheel – PWW011

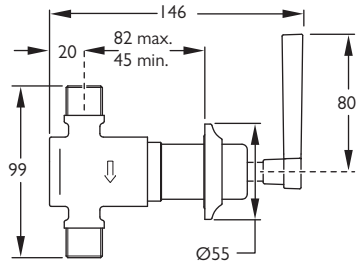


ML – Mackintosh lever – PWW012
MB – Mackintosh black lever – PWW060

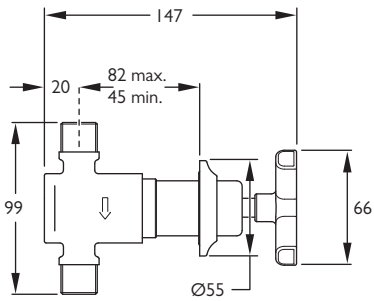
WALL VALVE DIMENSIONS



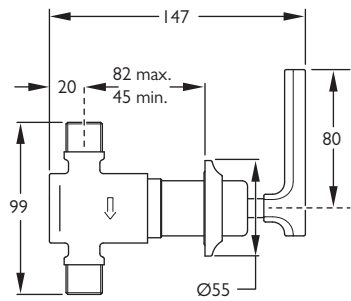
JH - Janey Mac handwheel - PWV064



JL - Janey Mac lever - PWV066



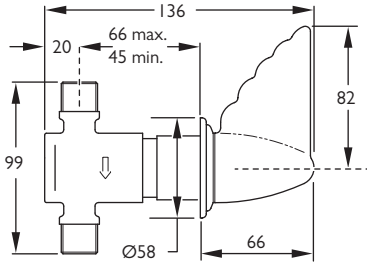
DH - Fifth handwheel - PWV072



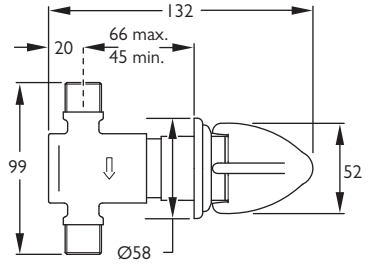
DL - Fifth lever - PWV074

Not to scale

WALL VALVE DIMENSIONS



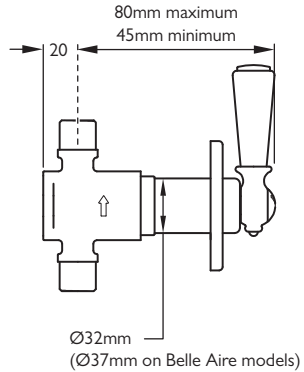
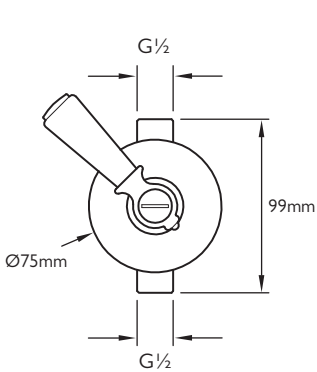
RH – Belle Aire handwheel – PWV021



RL – Belle Aire handwheel – PWV022

Not to scale

FLOW VALVE DIMENSIONS

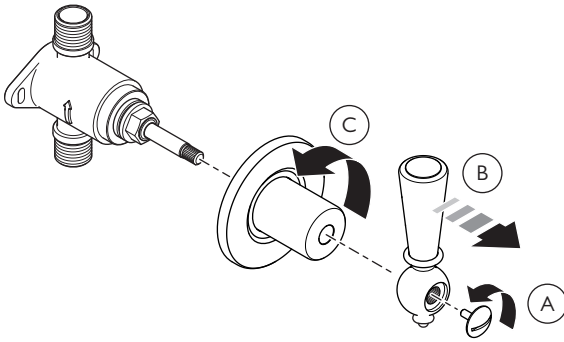


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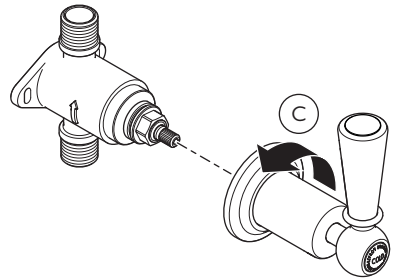
For other dimensions see 'Wall valve dimensions' section

Note: On the Belle Aire range only, flow valves are the same as wall valves. The red and blue 'hot' and 'cold' temperature indicators are replaced with black.

INSTALLATION



Flow valve with BL, WL or MTL lever



Wall valve with BL, WL or MTL lever

BL, WL and MTL flow valve models only

- 1 Unscrew and remove the fulcrum screw in a counterclockwise direction (A).
- 2 Pull the lever clear of the valve body (B).

All models

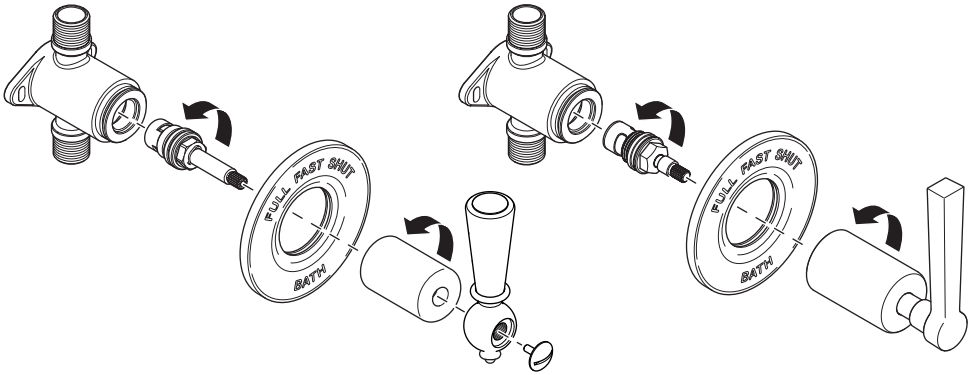
- 3 Unscrew and remove the shroud in a counterclockwise direction (C). Wearing a rubber glove such as those used for washing up will improve grip. On wall valves the shroud forms part of the lever/handwheel assembly. The wall plate will remain attached to the shroud.
- 4 Locate the valve body to the mounting surface and mark the locations of the mounting holes.
- 5 Drill the mounting surface to accommodate the chosen fixings.
- 6 The valve bodies have arrows indicating the direction of flow through the valve. Ensure that the arrows are in the required direction then secure in place using the required fixings.

- 7 Connect pipes to the valve inlet and outlet using $\frac{1}{2}$ " BSP female parallel connectors (NOT compression fittings such as nut and olive). Where soldered joints are used it is important to remove the flow cartridge from the valve body before applying heat to the valve body.
- 8 Rotate the splined end of the flow cartridge to the 'off' position. Locate the shroud to the valve body and secure by screwing in a clockwise direction.

BL, WL and MTL flow valve models only

- 9 locate the lever onto the splines of the flow valve.
- 10 Secure the lever by fitting the fulcrum screw and screwing in a clockwise direction.

REPLACEMENT PARTS



Flow valve with BL, WL or MTL lever

Flow valve with ML lever

Spare cartridges for 'hot & cold' wall valves (pairs)

PHL034 – ½" x ¼ turn ceramic cartridges for CH, DH, FH, JH, LB, LS, MH & TH handwheel models

PHL035 – ½" x ¼ turn ceramic cartridges for BL, CL, CR, DL, FB, FL, FM, FW, JL, MB, ML, MTL, TL & WL lever models

PWV027 – ½" x ½ turn extended ceramic cartridges with adapters for RH handwheel models

PWV024 – ½" x ¼ turn extended ceramic cartridges with adapters for RL lever models

Spare cartridges for wall 'flow valves' (single)

PWV015 – ½" x ½ turn ceramic cartridges for CH, DH, FH, JH, LB, LS, MH & TH handwheel models

PWV028 – ½" x ½ turn extended ceramic cartridge with adapter for RH handwheel model
(clockwise closing – Hot)

PWV029 – ½" x ½ turn extended ceramic cartridge with adapter for RH lever model
(clockwise closing – Cold)

PWV016 – ½" x ¼ turn ceramic cartridges for CL, CR, DL, FB, FL, FM, FW, JL, MB, ML & TL lever models

PWV017 – ½" x ¼ turn extended ceramic cartridges for BL, MTL & WL lever models

PWV025 – ½" x ¼ turn extended ceramic cartridge with adapter for RL lever model
(clockwise closing – Hot)

PWV026 – ½" x ¼ turn extended ceramic cartridge with adapter for RL lever model
(counterclockwise closing – Cold)



CUSTOMER SUPPORT

+44 (0)1992 708 316

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