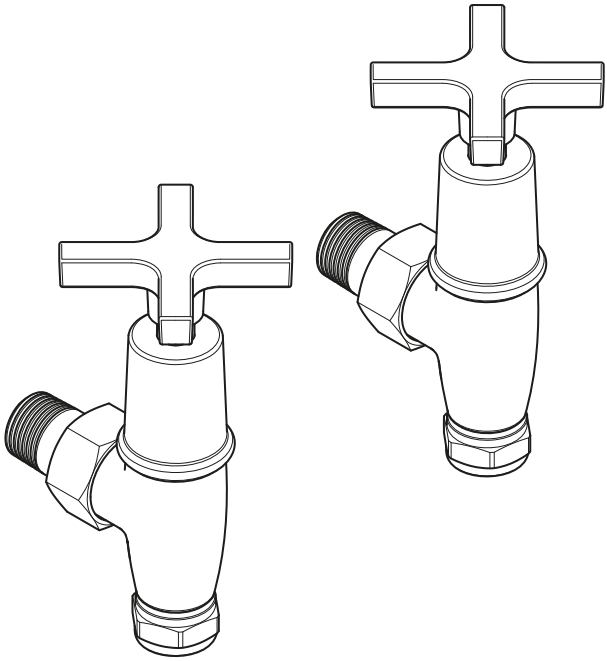
1150
RADIATOR VALVES
INSTALLATION GUIDE



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.

Flushing system

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

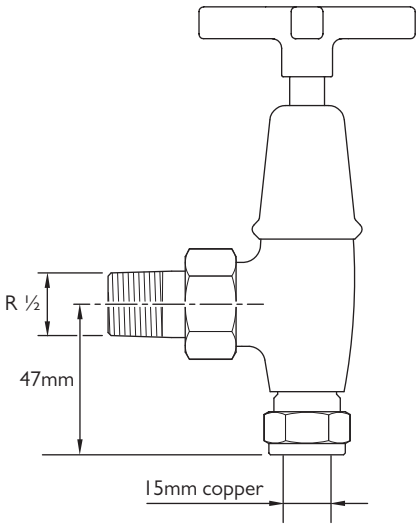
Servicing

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

Bleeding & balancing system

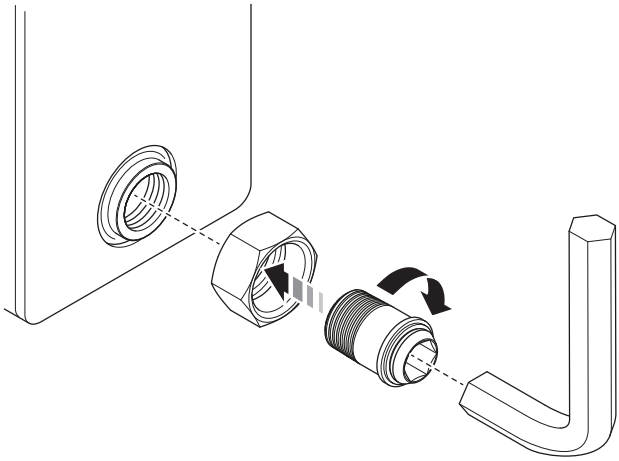
Before balancing a system, all radiators should be bled to remove any airlocks in the system.

DIMENSIONS

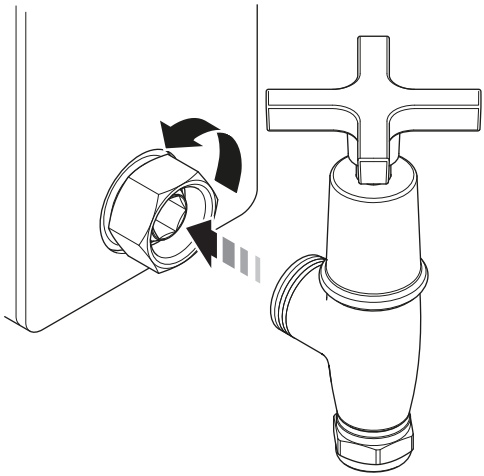


Not to scale

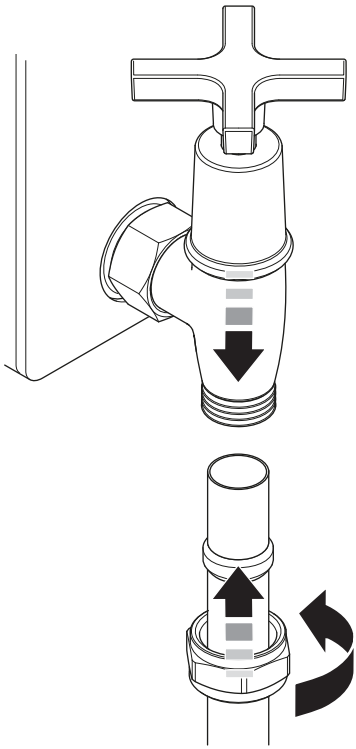
INSTALLATION



1 Apply suitable sealant or tape to the threads of the adapter.
2 Pass the adapter through the nut and locate into the radiator.
3 Secure using a 13mm hexagonal key.



4 Offer the radiator valve to the nut. Rotate the nut onto the valve thread.
Do not tighten the nut at this stage.
5 Unscrew and remove the nut and olive from the bottom of the radiator valve.



6 Place the nut on to the copper pipe with the internal thread facing upward.

7 Place the olive on to the copper pipe.

8 Repeat the previous stages for the other side of the radiator using the other valve.

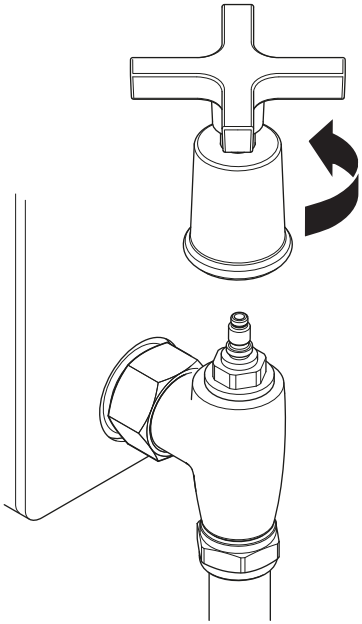
9 Gently lower the radiator and valve assembly onto the copper pipes.

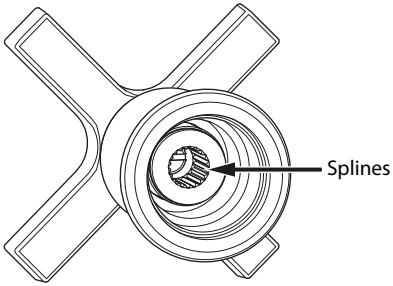
10 Slide the olives and nuts up the copper pipes and tighten to secure.

11 Tighten the nut between the radiator valve and radiator.

The radiator is now ready for bleeding and balancing. Please see 'Balancing the heating system' section. Check all joints for leaks.

LOCKSHIELD CONVERSION





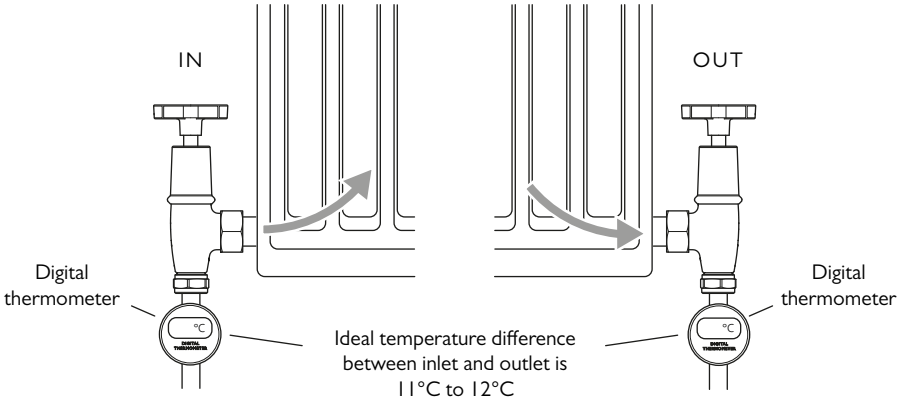
Note: Lefroy Brooks supply identical pairs of radiator valves. It is possible to make one into a 'lockshield' cover.

To do this:

- Remove the cross handle/handwheel assembly.
- Using an 8mm (5/16") diameter drill bit, drill out the splines in the end of the spindle.

This will allow the cross handle/handwheel to spin freely without effecting the radiators 'balanced' setting. Use the opposite on/off cross handle/handwheel assembly for any future maintenance.

BALANCING THE HEATING SYSTEM



Note: On/off & lockshield valves can be fitted either side of the radiator

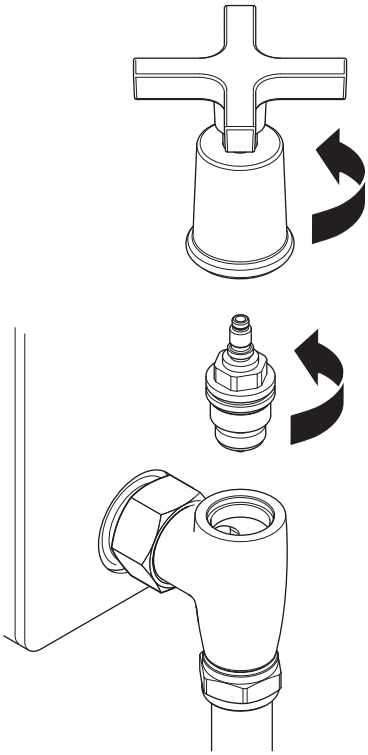
Balancing the heating system

Unless you are competent, balancing your heating system is best left to professionals.

Brief outline of method

- Ensure that the system has been bled.
- Determine the order in which the radiators are served by the boiler. The radiators need to be balanced from first served to last served.
- Determine the inlet & outlet of the radiator, to determine the water flow direction.
- Adjust the balancing valve until the temperature drop across the radiator is approximately 11°/ 12°C (use radiator / differential thermometers).
- Repeat this process on all radiators until the entire system has been balanced.
- Once the setting is complete, the balancing valve should not require any further adjustment unless the pipework or radiator is changed or replaced.

SERVICING



To replace or clean the cartridge within the radiator valve unscrew the cross handle/handwheel assembly. Wearing a rubber glove such as those used for washing up will improve grip. The cartridge can be unscrewed and removed using a 17mm spanner or socket. When finished, always check for leaks.

A replacement cartridge is available. Part number PHL078.

20.065.145C / APRIL 2021

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