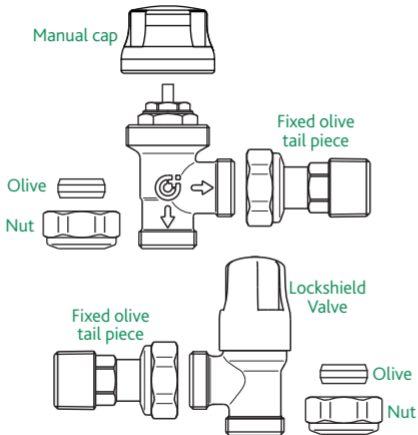


When installing a thermostatic radiator valve the following aspects must be considered to ensure that the valve performs to its optimum level.

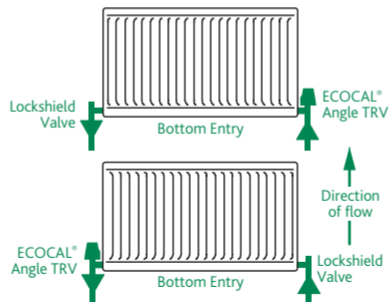
1. The valve should be in a position where it is in contact with free air circulation within the area and is not subject to draughts as this will affect the valve's performance.
2. The valve must not be installed in a position where the head is likely to be damaged or where the valve is subject to excessive heat, either at time of installation or in operating conditions.
3. Ensure that the system is clean and free from debris and the installation is in accordance with good plumbing practices.
4. An automatic differential bypass valve **MUST** be fitted in conjunction with any TRV installations.

Components



Where do I fit ECOCAL®

The angled ECOCAL® valve is specifically designed for installation on either the flow or return pipework, in any orientation and with the flow of water in any direction.

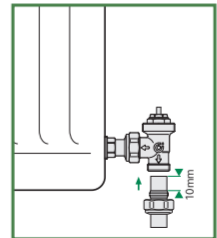


Connecting to Radiator

- Using a suitable sealing method and the correct sized spanner on the shoulder of the tail piece, rotate the ½" BSP tail piece in a clockwise direction into the tapping on the radiator.

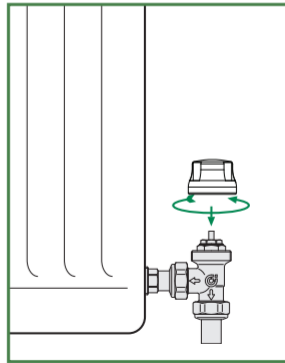
Copper Tube Connection for ECOCAL®

- The compression jointing method is for use with copper tube to BS EN 1057 only grade R250 (Half Hard) (Max Pressure 3 Bar & 90 Deg C).
- After preparing the connecting copper tube and ensuring that it is free from any burrs or debris, fit the tube into the body of the valve to a depth of 10mm.
- Using a suitably sized spanner, tighten the compression joint until a water tight joint is achieved.



How do I fix the manual cap?

- With the valve body installed on the radiator, align the cap over the valve body. Ensure that the cap is square to the body, screw the cap onto the body in a clockwise direction until tight, being careful not to over tighten the cap on the body.

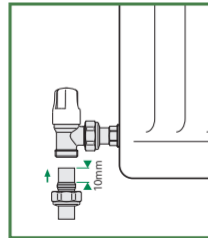


Connecting to Radiator

- Using a suitable sealing method and the correct sized spanner on the shoulder of the tail piece, rotate the ½" BSP tail piece in a clockwise direction into the tapping on the radiator.

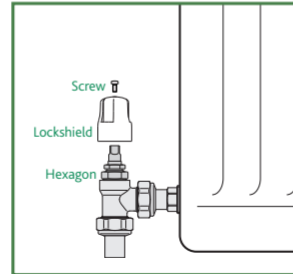
Copper Tube Connection for Lockshield Valve

- The compression jointing method is for use with copper tube to BS EN 1057 only grade R250 (Half Hard) (Max Pressure 3 Bar & 90 Deg C).
- After preparing the connecting copper tube and ensuring that it is free from any burrs or debris, fit the tube into the body of the valve to a depth of 10mm.
- Using a suitably sized spanner, tighten the compression joint until a water tight joint is achieved.



How do I Adjust the Lockshield Valve?

- Unscrew the retaining screw at the top of the lockshield.
- Pull the lockshield cover vertically off the valve.
- Using an 8mm A/F spanner rotate the stem clockwise to close the valve to the required position.
- Locate the lockshield cover back onto the body ensuring that the locators in the lockshield are on the corners of the large hexagon.
- Refit the retaining screw.



Technical Specification

- Max working pressure: 10 bar
- Max water temperature: 100°C
- Max ambient temperature: 50°C

Further technical details on this product are available at www.altecnic.co.uk

Cleaning the Valve

The lockshield cover and the two valve bodies can be cleaned using a mild soap solution. DO NOT USE ABRASIVE PAD, BLEACHING AGENTS OR SOLVENTS etc as they will cause damage to the valve.

Please ensure that these instructions and the manual cap are left with the valve after installation.

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ECOCAL®
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26-06-17

installation instructions