

## Electric Only Heating Element Installation

This product must be installed by a competent person and in accordance with the current IEE Wiring Regulations. It may be required to notify your local authority building control department or to have the work undertaken by a qualified installer.

**Important:** Never turn on the Element without it being fully installed and completely submerged in fluid. Not doing this can result in the Element failing if it is operated in air only.



As shown above elements must be installed in the bottom of the radiator either horizontally or vertically.

Elements come supplied with: 1 x Element, 1 x Tee, 1 x Plug

Please ensure all parts required are present before starting the installation.

The Tee is not used for electric only installations.

### Installation

1. Remove the Tee Piece from the element and Wrap PTFE tape around (approx. 10-15 times) the element and the plug following the direction of the thread.
2. Screw the element into the bottom of the radiator and tighten with a suitable spanner. Insert the plug in the other side of the radiator if required.
3. Mount the radiator on the wall with the wall brackets but do not fix the radiator to the wall brackets just yet.
4. Remove the radiator from the wall brackets and fill from the top with water and measure in to a bucket how much water it takes. Remove 30% of the water and add a Glycol solution (car anti-freeze) to the remaining water up to 90% of the original measurement. **This is to allow a 10% air gap for expansion.**
5. You can now secure the radiator to the wall brackets and fix in place.
6. Fill the radiator up with the water/glycol solution and insert the radiator plug and vent in to the open ends of the radiator and tighten with a suitable spanner.
7. Switch off the electric supply at the mains and connect the electrical cable to a BS Fused Spur with a 3 Amp Fuse. **Please note this product must be earthed.**
8. Turn on the electric supply and test the element. Once radiator has reached max temperature using a radiator vent key (bleed key) vent any excess air and release the pressure.