ELECTRIC HEATING ELEMENT
Instruction Manual

Important Information

NEVER SWITCH THE ELEMENT ON UNLESS IT IS FULLY INSTALLED AND COMPLETELY IMMERSED IN FLUID. THE ELEMENT WILL BE DESTROYED IF IT IS OPERATED IN AIR.

- Ensure the EARTH terminal has been connected.
- Ensure the input voltage conforms to the grid standard.
- Ensure the O-ring is present on the element and Tee piece (if in use).
- This product should be installed by a trained electrician.
- Ensure there are no leaking joints after the unit is switched on.
- Ensure the towel rail is filled approximately 90% with liquid before switching the unit on.
- For dual-fuel installations, ensure the element is not used when the central heating is on.
- Ensure the towel rail is vented shortly after switching the unit on.
- For installations connected to the central heating, ensure the system is thoroughly flushed before installation, to remove any metal, flux and foreign residue. Not doing so can result in pinhole leaks and will not be covered under warranty.

Tech Information

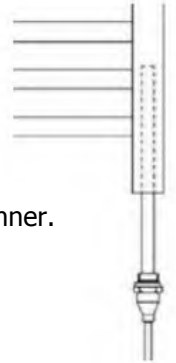| Voltage	220-240V AC/50Hz
Wattage	100-1000W
IP rating	IP55
Thread size	G ½ "
Application	This element is not suitable for dry heating. It must be submerged in liquid (either in a liquid-filled electric-only installation, or as part of a dual-fuel installation).

INSTALLATION

'Electric-only' Element Installation

1. IMPORTANT. Always switch off the power supply at the mains during installation and maintenance. We recommend that the fuse is withdrawn or circuit breaker switched off at the distribution board while work is in progress.

2. The element must be fitted to the towel rail before mounting the rail on wall.

3. Ensure all threaded joints are wrapped with PTFE tape.

4. Ensure the O-ring is present on the element thread.

5. Insert the element into the chosen side of the rail, bottom only, and tighten into place using a spanner.

6. Fill the rail approximately 90% with liquid, to allow for expansion.

7. Insert the blanking plug (with PTFE tape) into the open tapping, and tighten with a spanner.

8. Fit the rail to the wall, following the manufacturers fitting instructions.

9. Connect the element to the mains power using a BS fused connection unit.

The wires should be connected as follows: Blue (Neutral), Brown (Live), Green/Yellow (Earth).

10. The fused connection unit should be fitted with a 5 Amp fuse to BS1362.

11. Shortly after switching on the unit, ensure the towel rail is bled for any excess air.

12. Check for leaks and re-tighten joints as necessary.

'Dual-fuel' Element Installation

1. IMPORTANT. Always switch off the power supply at the mains during installation and maintenance. We recommend that the fuse is withdrawn or circuit breaker switched off at the distribution board while work is in progress.

2. The element must be fitted to the towel rail before mounting the rail on wall.

3. Ensure all threaded joints are wrapped with PTFE tape.

4. Ensure the O-ring is present on both the element and Tee piece threads.

5. Insert the element into the Tee piece and tighten with a spanner.

6. Insert the Tee piece with electric element into the chosen side of the rail, bottom only, and tighten with a spanner.

7. Fit the rail to the wall and connect to the central heating, following the manufacturers fitting instructions.

8. Once the rail is mounted on the wall and connected securely to the central heating system, open the radiator valves and allow the rail to fill.

9. Once the rail has filled with water, with the central heating OFF, use the air vent to purge any excess from the rail.

10. Connect the element to the mains power using a BS fused connection unit.

The wires should be connected as follows: Blue (Neutral), Brown (Live), Green/Yellow (Earth).

11. The fused connection unit should be fitted with a 5 amp fuse to BS1362.

12. Shortly after switching on the unit, ensure the towel rail is bled again for any excess air.

13. Check for leaks and re-tighten joints as necessary