



All dimensions shown are in millimetres

Test pressure: **5.2 BAR**
 Max working pressure: **4 BAR**
 Max working temperature: **90° C**
 All stainless steel construction: **dia 32mm x 1mm tubes**
 dia 38mm x 1.5mm headers
 Connections: **½ inch BSP underside tappings**
 Heat output determined in accordance with EN 442

| Model | Output $\Delta T=30K$ Watts | Output $\Delta T=50K$ Watts | n | Water Content litres | Weight kg | Height $\pm 2mm$ | Length $\pm 2mm$ | Tapping Centres $\pm 2mm$ | Fixing Centres $\pm 2mm$ |
|------------|-----------------------------------|-----------------------------------|------|----------------------------|--------------|---------------------|---------------------|---------------------------------|--------------------------------|
| PER-80-50 | 98 | 187 | 1.27 | 3.1 | 5.0 | 800 | 500 | 462 | 600 |
| PER-120-50 | 144 | 269 | 1.23 | 4.5 | 7.3 | 1200 | 500 | 462 | 1000 |
| PER-150-50 | 179 | 334 | 1.22 | 5.7 | 8.9 | 1500 | 500 | 462 | 1300 |

Tools & Material Required

- Suitable valves
- PTFE tape
- Silicone thread sealant
- Tape measure
- Screwdriver - crosshead
- Screwdriver - flathead
- Electric drill
- Masonry drill bit - 8mm diameter
- Spirit level
- Stepladder (for taller radiators)

| Key | Component | Qty |
|-----|----------------------------------|-----|
| A | Air Vent - 1/4" | 1 |
| B | Wall Plug | 4 |
| C | Bracket | 4 |
| D | Screw - Rnd Head, 6mm dia x 50mm | 4 |
| E | Grub Screw | 4 |
| F | Allen Key | 1 |

Assembly Instructions

Sufficient PTFE tape must be applied to valve-tail threads prior to their installation.

Silicone thread sealant should be applied to all threaded components manufactured with 'O-rings'.

Fit valve tails, using correct size Allen key.

Fit air vent (A) to radiator.

Accurately mark out bracket holes on wall using spirit level.

Drill four 8mm diameter holes to a minimum depth of 60mm & insert wall plugs (B).

Screw brackets (C) into wall plugs (B) with 6mm diameter x 50mm screws (E).

Slide boss on radiator into bracket (C) and secure in position by tightening grub screw (E) with allen key (F).

Check the radiator is mounted perfectly vertical to minimise the risk of trapping air.

Plumb radiator to heating circuit with flow opposite air vent.

This radiator should be installed onto a central heating system that has been cleaned/flushed and contains water treatment and inhibitors in accordance with BS7593.

