

Powerflow

Unvented Water Heater 30, 50 and 90 litres



P.12

Usage

Suitable for hand washing and dishwashing where a number of hot water outlets are required such as kitchens, schools, restaurants, washrooms and offices. The ideal solution for light industrial, commercial and light domestic hot water requirements.

Selection Guide (approximate depending on usage)

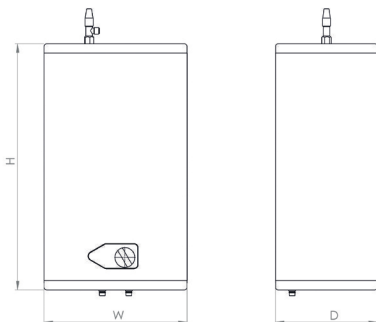
3 – 5 basins: **PF30LC-1**, 4 – 6 basins: **PF50LC-1**,
6 – 10 basins or 1 bed/1 shower: **PF90LC-1**

Features and Benefits

- Can be used with regular taps, including mixers
- Mains pressure flow rates
- 3kW element as standard
- 1kW element available for restricted load applications
- Stainless steel tank
- External temperature control
- Neon element on indicator
- 3 year tank warranty, 1 year on electrical components
- Slimline profile – depth from 295mm
- Highly efficient thermal insulation
- Comprehensive range of safety features
- Comes complete with unvented accessory kit
- Optional thermostatic mixing valve available

Product Code	Capacity (litres)	Power (kW)	Heat up Time (mins)*	Standing Loss (kWh/day)
PF30LC-1 PF30LC1KW	30	3.0 1.0	21 63	0.93
PF50LC-1 PF50LC1KW	50	3.0 1.0	40 120	1.16
PF90LC-1 PF90LC1KW	90	3.0 1.0	86 258	1.25

*Heat up time from 13°C to 60°C

**Outer Casing**

Easy clean, high impact plastic

Heating Element

Stainless steel incoloy
type element

Thermostat

Capillary type adjustable to 65°C

Water Tank

Stainless steel

Anode

Replaceable grey magnesium
anode (inspect annually).

Insulation

High density polyurethane
foam (CFC free).

Safety

Overheat temperature protection
85°C (manual reset).

Factory fitted temperature
and pressure relief valve
(set at 7 bar 90°C).

Pressure reducing valve
(set at 3 bar).

Pressure relief valve at 6 bar.

Optional thermostatic mixing valve
to maintain hot water supplied to
user at constant, safe temperature.

IP Rating

IPX4

Installation

Must be installed vertically with
inlet/outlet connections at base.
Space required above and below
unit to allow maintenance 400mm.
Access to the thermal cut-out and
element is located at base of unit.

Unvented Accessory Kit

Supplied kit must be fitted.
Contains expansion vessel
with fixing bracket (5L for
PF30LC-1 and **PF50LC-1**, 8L
for **PF90LC-1**), inlet group,
flexible hose and 2 tundishes.

Plumbing

Must be installed by a suitably
qualified person.

Maximum water pressure
to pressure reducing valve 12 bar.

Working water pressure 3 bar.

Minimum water pressure 0.8 bar.

Inlet/outlet connection
½" BSP male.

Electrical Connection

Installation must comply
with current IEE regulations.

Connection should be
to a fused switched 13 amp spur.
Cable pre-wired (1.5m).

Approvals

CE

Standard Warranty

1 year parts or
replacement warranty.
3 year tank warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
				Empty	Full
PF30LC-1 PF30LC1KW	620	380	295	9	39
PF50LC-1 PF50LC1KW	915	380	295	13	63
PF90LC-1 PF90LC1KW	930	540	385	24	114