

# Powerflow

Unvented Water Heater  
30, 50 and 90 litre

30L

C

50L &amp; 90L

D



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## 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**,

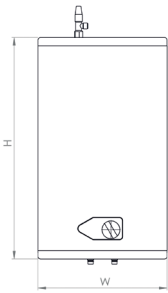
6 – 10 basins or 1 bed/1 shower: **PF90LC-1**

## Features and Benefits

- Can be used with regular taps, including mixers
- Mains pressure flow rates
- 3.0 kW element as standard
- 1.0 kW 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
- Cable pre-wired (1.5m)

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

**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.  
Minimum water pressure 0.8 bar.  
Maximum water pressure to pressure reducing valve 12 bar.  
Working water pressure 3 bar.

**Water Connection**  
Inlet/outlet connection 1/2" BSP male. (100mm apart centre to centre) Fittings required (not supplied): 2 x 15mm compression to 1/2" BSP female adapter.

**Electrical Connection**  
Installation must comply with current IEE regulations.  
The product should be connected to the fixed wiring of the property via a suitably rated isolating switch with a contact separation of at least 3mm in all poles.

**Approvals**  
CE, WRAS, KIWA

**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