

Powerflow Smart

30L **A**

50L, 80L & 100L **B**

Unvented Multipoint
Smart Technology Water Heater
with Anti-Legionella Function
30, 50, 80 and 100 litre



Wall-mounted, connections at base

Usage

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

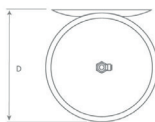
Selection guide (approximate depending on usage):
3 - 5 basins: **PF30LS**, 4 - 6 basins: **PF50LS**, 5 - 8 basins: **PF80LS**,
7 - 11 basins or 1 bed/1 shower: **PF100LS**

Features and Benefits

- Slender slimline design
- Mains pressure flow rates
- Smart technology gives high energy efficiency
- Three modes of operation, standard, smart, and eco (50°C)
- Can be used with regular taps, including mixers
- 3.0 kW element for fast heat up
- 1.0 kW element available for restricted load applications
- Digital control panel
- Element on indicator
- Glass lined tank
- External electronic temperature control
- Comes complete with unvented accessory kit
- Patented technology ensures incoming cold water does not immediately mix with stored hot water in the tank, making more hot water available
- Optional thermostatic mixing valve available (see page 52)
- Wall-mounted, connections at the base
- Anti-legionella Mode - when enabled, the Powerflow will heat the internal water temperature to 65°C and maintain this temperature for one hour, operating automatically every two weeks
- Cable pre-wired (1.5m)

Product Code	Capacity (litres)	Power (kW)	Heat Up Time (mins)*	Standing Loss (kWh/day)
PF30LS PF30LS1	30	3.0 1.0	25 74	0.60
PF50LS PF50LS1	50	3.0 1.0	41 123	0.72
PF80LS PF80LS1	80	3.0 1.0	65 196	1.06
PF100LS PF100LS1	100	3.0 1.0	82 245	1.41

*Minimum theoretical heat up time for 70% tank capacity from 10°C to 60°C



Outer Casing
White powder coated steel

Heating Element
Stainless steel incoloy

Thermostat
Electronic 30 - 70°C

Water Tank
Glass lined steel

Anode
Replaceable grey magnesium anode (inspect at least annually or more regularly in scale/aggressive water conditions)

Insulation
High density polyurethane foam (CFC free)

Safety
Overheat temperature protection (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. Use with a thermostatic mixing valve to maintain hot water supply at a constant, safe temperature.

IP Rating
IPX4

Installation
Must be wall-mounted vertically with inlet/outlet connections at base. Allow at least 500mm below and 200mm above the heater to facilitate future maintenance. 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 **PF30LS** & **PF50LS**, 8L for **PF80LS** & **PF100LS**)**, inlet group manifold incorporating pressure relief valve, pressure reducing valve, check valve and balanced off take, flexible hose, and 2 tundishes

Plumbing
Must be installed by a suitably qualified person
Minimum water pressure 1 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 IET wiring 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, UKCA, KIWA Reg 4, G3 Building Regulations

Standard Warranty
2 year parts or replacement warranty on electrical components.
5 year tank warranty

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
				Empty	Full
PF30LS PF30LS1	645	380	389	14	44
PF50LS PF50LS1	865	380	389	18	68
PF80LS PF80LS1	1085	410	419	24	104
PF100LS PF100LS1	1240	410	419	28	128

** Expansion vessel dimensions: 5L H 275mm x D 170mm, 8L H 305mm x D 220mm (excluding threads)