

Powerflow Smart

30L

A

Unvented Multipoint
Smart Technology Water Heater
30, 50, 80 and 100 litre

50L, 80L & 100L

B



Wall mounted, connections at base

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Usage

Suitable for hand washing and dish washing 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)

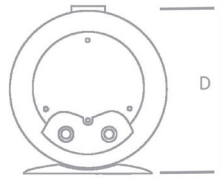
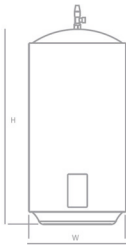
3 – 5 basins: **PF30S**, 4 – 6 basins: **PF50S**, 5 – 8 basins: **PF80S**,
7 – 11 basins or 1 bed/1 shower: **PF100S**

Features and Benefits

- Slender slimline design
- Mains pressure flow rates
- Smart technology gives high energy efficiency
- Three modes of operation, standard, smart & eco
- Eco mode at 50°C
- Erp ratings A 30L, B 50, 80, 100L
- 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
- Neon element on indicator
- Glass lined tank
- Patented technology ensures incoming cold water does not immediately mix with stored hot water in the tank making more hot water available
- External electronic temperature control
- Comes complete with unvented accessory kit
- Optional thermostatic mixing valve available (see page 50)
- Wall mounted, connections to the base
- If floor mounting is required consider Superflow (see page 48)
- Cable pre-wired (1.5m)

Product Code	Capacity (litres)	Power (kW)	Heat Up Time (mins)*	Standing Loss (kWh/day)
PF30S PF30S1KW	30	3.0 1.0	25 74	0.31
PF50S PF50S1KW	50	3.0 1.0	41 123	0.78
PF80S PF80S1KW	80	3.0 1.0	65 196	1.14
PF100S PF100S1KW	100	3.0 1.0	82 245	1.44

*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 supplied to user at 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 PF30S & PF50S, 8L for PF80S & PF100S)**, inlet group, 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, Building Regulations

Standard Warranty
1 year parts or replacement warranty on electrical components.
3 year tank warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
				Empty	Full
PF30S	542	380	396	14	44
PF50S	762	380	396	18	68
PF80S	987	410	423	24	104
PF100S	1139	410	423	28	128

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