

# Powerflow Smart

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

New Range

30L

A

50L, 80L &amp; 100L

B



p.50

## 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)

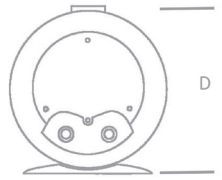
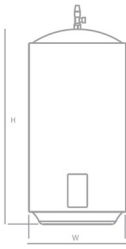
3 – 5 basins: **PF30S**, 4 – 6 basins: **PF50S**, 5 – 8 basins: **PF80S**,  
7 – 11 basins or 1 bed/1 shower: **PF100S**

## Features and Benefits

- Slender slimline design
- Mains pressure flow rates
- Smart technology gives high energy efficiency
- Three modes of operation, standard & eco
- Eco mode at 50°C
- Erp ratings A 30L, B 50, 80 and 100L
- Can be used with regular taps, including mixers
- 3.0 kW element for fast heat up time
- 1.0 kW option coming soon
- Digital control panel
- Neon element on indicator
- 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
- Glass lined tank, 3 year tank warranty
- Comes complete with unvented accessory kit
- Optional thermostatic mixing valve available (see page 56)
- Wall mounted, connections to the base
- Cable pre-wired (1.5m)

Product Code	Capacity (litres)	Power (kW)	Heat Up Time (mins)*	Standing Loss (kWh/day)
PF30S	30	3.0	25	0.31
PF50S	50	3.0	41	0.78
PF80S	80	3.0	65	1.14
PF100S	100	3.0	82	1.44

\*Heat up time 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 91°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 installed 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 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, 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