Powerflow
Unvented Water Heater
30, 50 and 90 litres

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

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Capacity (litres)</th>
<th>Power (kW)</th>
<th>Heat up Time (mins)*</th>
<th>Standing Loss (kWh/day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF30LC-1</td>
<td>30</td>
<td>3.0</td>
<td>21 63</td>
<td>0.93</td>
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<tr>
<td>PF30LC1KW</td>
<td></td>
<td>1.0</td>
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<tr>
<td>PF50LC-1</td>
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<td>40 120</td>
<td>1.16</td>
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<tr>
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<td>PF90LC-1</td>
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<td>1.0</td>
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</tbody>
</table>

*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.

<table>
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<tr>
<th>Product Code</th>
<th>Height (mm)</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Weight (kg) Empty</th>
<th>Full</th>
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</thead>
<tbody>
<tr>
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<td>380</td>
<td>295</td>
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