

Ara

Instantaneous Inline
Water Heater
Thermostatic
3.0 kW

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Usage

Effective low cost solution for light hand washing at a single basin. Compact design, energy efficient and easy to install. Confirm that the flow rate and temperature performance is adequate for your application using the chart and tables provided.

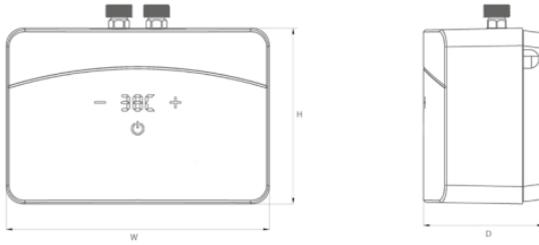
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Features and Benefits

- Hot water for light hand washing at a single basin only
- Bare wire heating system gives fast heat up time
- Heats the water instantly as it flows through the unit
- Energy efficient – no standing heat losses
- 3.0 kW power rating
- Easy to install, 13 amps connects to standard wiring
- Suitable for use with a Vega infrared tap (page 64)
- Not suitable for use with thermostatic mixing valves or taps or to supply a single lever mixer tap
- Must be used with a spray head tap
- Supplied 1.6l/m flow restrictor must be fitted to the tap spout giving a temperature uplift of 27°C
- This will give 42°C in summer, incoming water temp 15°C and 37°C in winter, incoming water temp 10°C.
- External electronic thermostatic control accurate to the nearest degree
- LED temperature display
- Energy saving – only uses the power required to deliver the chosen temperature
- Heating power adjusted electronically to compensate for temperature, flow rate and water pressure variations
- Temperature factory set at 38°C and can be adjusted by the user between 35°C and 50°C. In normal usage the maximum temperature is 37°C to 42°C.
- After power off/ on the unit will recall the last usage outlet temperature.

Product Code	Power (kW)	Thermostatic	Max Flow Rate (l/m) handwash*	Standing Loss (kWh/day)
IN30TN	3.0	Yes	1.6	0

*Flow rates based on incoming water supply temperature of 13°C, hand wash at 38°C



Outer Casing
Easy clean high impact ABS

Heating Element
Bare-wire heating system

Controls
Temperature display (°C)
Power on/ off button
+/- controls allow the user to set the required temperature.

Safety
Overheat temperature protection 85°C. Water temperature controlled to maintain user selected temperature between 35°C and 50°C as water pressure conditions vary.

IP Rating
IP24

Installation
This appliance must be installed in a frost free environment.

The heater should be located as close as practical to the hot water outlet to avoid unnecessary heat losses through the pipework.

Plumbing
Must be installed by a suitably qualified person.

Minimum flow rate 1.2 l/m.
Minimum water pressure 1 bar.
Maximum water pressure 6 bar.
Water resistivity $\geq 1300 \Omega\text{cm}$ @ 15°C.

Water Connection
Inlet/ Outlet 2 x 1/2" BSP male (30mm apart centre to centre).
Fittings required (not supplied):
2 x 15mm compression to 1/2" BSP female adapter.

Suitable for use with pre-heated water e.g. solar heating systems subject to maximum inlet water temperature 30°C.

Electrical Connection
Installation must comply with current IET wiring regulations.

Single phase. Fuse rating guide 13 amps.

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.
Cable pre-wired 0.7m.

Approvals
CE, UKCA

Standard Warranty
1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg) Empty
IN30TN	142	210	96	1.4