

Features and benefits

- Flow rate up to 5 litres/minute* to supply one or more outlets
- Power rating can be set on installation to 6.6kW or 8.8kW @230V
- Available for installation over-sink (CEX-O) or under-sink (CEX-U)
- Bare wire elements for fast heat-up
- Zero standing heat loss
- Provides a constant supply of hot water
- Heating power electronically adjusted to compensate for variable inlet pressure and temperature
- Suitable for use with pre-heated water from renewable heat source – maximum inlet temperature of 70°C
- Outlet temperature user adjustable between 30°C and 55°C with two programmable settings
- Optional remote control handset available – order code ZL016

* At 6 bar water pressure

Instantaneous Water Heaters for Handwash, Sinks and Showers

Description

- Provides a constant supply of hot water to one or more outlets
- Regulates power consumption electronically depending on supply water temperature and flow rate to achieve the required outlet temperature
- Power rating can be selected at the time of installation
- Bare wire heating element ensures fast heat up times
- Required outlet temperature can be set via two touch sensitive keys between 30°C to 55°C with digital display
- Enables selection of two pre-programmed temperature settings
- Visible indicator of when heating power available is unable to achieve required temperature at the selected flow rate
- Suitable for use with pre-heated water renewable heat source – maximum inlet temperature of 70°C
- Optional wireless control (Code ZL016)

Location

The heater must be installed in a frost free environment. It should be located as close as possible to the outlet to minimise heat loss (recommended maximum 2 metres). Complies with IP25 for oversink and IP24 for undersink and may be installed in Zone 1.

Plumbing

The appliance is intended for connection to a potable mains water supply. Hot and cold connecting pipes should be WRAS approved and of copper or steel construction. Minimum flow rate of 2.0 litres/min. Should be installed by a suitably qualified person.

Electrical

The heater must be earthed and connected to the mains supply through an isolation switch having contact separation of at least 3mm in all poles and protected by a suitably rated circuit breaker. The connection cable must be in accordance with the maximum power rating of the appliance and the specific requirements of the site. Installation must be in accordance with current IEE regulations.

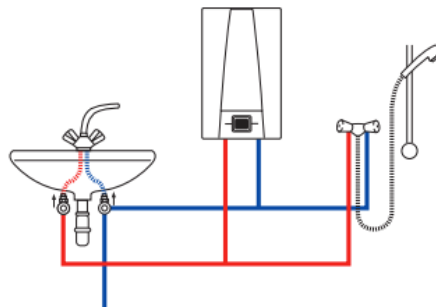
Approvals

WRAS and VDE approved, CE endorsed.

Warranty

12 months on-site parts and labour.

Typical Installation



Technical Data

Model	CEX-O	CEX-U
Application	Over-sink	Under-sink
Power rating	6.6kW—8.8kW ⁽¹⁾	
Rated current	29A (6.6kW)/38A (8.8kW)	
Power supply	1/N/PE ~ 230V AC	
Hot water (l/min) Maximum at $\Delta t = 25^{\circ}\text{C}$	3.6 (6.6kW) / 4.8 ⁽²⁾ (8.8kW)	
Rated volume (litres)	0.3	
Rated pressure	1 MPa (10 bar)	
Element type	Bare wire heating system	
Required specific water resistance	>1100 Ωcm @15°C	
Maximum inlet temperature	70°C	
Switch on flow rate (l/min)	2.0	
Maximum flow rate (l/min)	5.0 ⁽²⁾	
Application guide lines	See pages 26/27	
Pressure loss @ 2.5 l/min	0.2 bar	
Pressure loss @ 9.0 l/min	1.3 bar ⁽³⁾	
Temperature setting range	30°C—55°C	
Maximum weight (kg)	2.70	
Dimensions H x W x D (mm)	294 x 177 x 108	
Water connections	1/2" BSP	
Protection class	IP25	IP24

⁽¹⁾ Power rating selected at time of installation

⁽²⁾ Flow rate limited to achieve optimum temperature rise

⁽³⁾ Without flow regulator

All data quoted at nominal supply voltage.

A minimum water pressure of 0.2 MPa (2 bar) is recommended for optimum performance.
The appliance must not be subject to more than 1MPa (10 bar).