As Zip policy is one of continuous product improvement, changes to specifications may be made without prior notice.

The terms Zip, InLine and CEX are Trademarks.
**Zip InLine® CEX**

Electronic instantaneous water heaters

### Description

- Can provide a constant supply of hot water to one or more outlets.

  The heating element switches on automatically when the minimum flow rate is exceeded and switches off when flow rate reduces below the minimum.

- Regulates power consumption electronically depending on supply water temperature and flow rate to achieve the required outlet temperature.

- Also regulates power consumption based on outlet temperature to ensure precise temperature control irrespective of fluctuations in voltage and water pressure.

- Power rating can be selected at the time of installation.

- Bare wire heating system ensures fast response for immediate, energy efficient delivery of hot water.

- The required outlet temperature can be set via delivery of hot water.

- The cross sectional area of the connection cable must be in accordance with the power rating of the appliance and the specific requirements of the installation site.

- Enables selection of two pre-programmed temperature settings.

- Provides visible indication when the heating power available is unable to achieve the required temperature at the selected flow rate.

- Maximum inlet temperature of 70°C is suitable for use with pre-heated water from solar heating systems.

- Optional wireless control (ZL016) for convenience and concealed installations.

### Installation

**Location**

The appliance must be installed in an environment which is free from frost at all times.

The appliance complies with protection class IP25 for over-sink installation, protection class IP24 for under-sink installation and may be installed in zone 1.

In order to minimise thermal losses, the distance between the appliance and the outlet fitting should be as short as possible. Recommended maximum distance is 2 metres.

**Plumbing**

The appliance is intended for connection to a potable mains water supply. The specific water resistance of the supply must not fall below the minimum specified on the rating plate.

Hot and cold connecting pipes should be WRAS approved and of copper or steel construction. Plastic pipes may only be used if conforming to DIN 16893 Series 2.

### Specification Sheet

<table>
<thead>
<tr>
<th>Model</th>
<th>CEX-O</th>
<th>CEX-U</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>Over-sink</td>
<td>Under-sink</td>
</tr>
<tr>
<td>Power rating</td>
<td>6.6kW / 8.8kW(1)</td>
<td></td>
</tr>
<tr>
<td>Rated current</td>
<td>29A (6.6kW) / 38A (8.8kW)</td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>1/N/PE 230V~</td>
<td></td>
</tr>
<tr>
<td>Hot water (l/min) Maximum at Δt = 38°C</td>
<td>3.6 (6.6kW) / 4.8(2) (8.8kW)</td>
<td></td>
</tr>
<tr>
<td>Rated volume (litres)</td>
<td>0.3</td>
<td></td>
</tr>
<tr>
<td>Rated pressure</td>
<td>1 MPa (10 bar)</td>
<td></td>
</tr>
<tr>
<td>Element type</td>
<td>Bare wire heating system IES</td>
<td></td>
</tr>
<tr>
<td>Required specific water resistance</td>
<td>&gt;1100 Ωcm @ 15°C</td>
<td></td>
</tr>
<tr>
<td>Maximum inlet temperature</td>
<td>70°C</td>
<td></td>
</tr>
<tr>
<td>Switch on flow rate (l/min)</td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td>Maximum flow rate (l/min)</td>
<td>5.0(2)</td>
<td></td>
</tr>
<tr>
<td>Pressure loss @ 2.5 l/min</td>
<td>0.2 bar</td>
<td></td>
</tr>
<tr>
<td>@ 9.0 l/min</td>
<td>1.3 bar(3)</td>
<td></td>
</tr>
<tr>
<td>Temperature setting range</td>
<td>30°C – 55°C</td>
<td></td>
</tr>
<tr>
<td>Maximum weight (kg)</td>
<td>2.70</td>
<td></td>
</tr>
<tr>
<td>Dimensions H x W x D (mm)</td>
<td>294 x 177 x 108</td>
<td></td>
</tr>
<tr>
<td>Water connections</td>
<td>½” BSP</td>
<td></td>
</tr>
<tr>
<td>Protection class</td>
<td>IP25</td>
<td>IP24</td>
</tr>
</tbody>
</table>

(1) Power rating selected at time of installation | (2) Flow rate limited to achieve optimum temperature rise | (3) Without flow regulator

The hot water pipes must be thermally insulated.

Minimum flow rate 2.0 litres/min.

A minimum water pressure of 2 bar is recommended for optimum performance. Maximum flow rate will be achieved at a water pressure of 6 bar.

Should be installed by a suitably qualified installer of electric instantaneous water heaters.

#### Electrical

The appliance must be earthed and connected to the supply by means of permanent wiring through an isolation switch having a contact separation of at least 3mm on all poles and protected by a suitably rated circuit breaker.

The cross sectional area of the connection cable must be in accordance with the power rating of the appliance and the specific requirements of the installation site.

The appliance must be installed in accordance with current IEE regulations.

#### IP Rating

CEX-O IP25 / CEX-U IP24, Suitable for installation in Zone 1.

#### Approvals

- WRAS approved
- VDE approved to the LVO and EMC directives
- CE endorsed

#### Technical Support

Contact Zip on 0845 6 005 005.

### Maintenance

Contact Zip HydroCare on 0845 6 005 005.

### Warranty

One-year on site parts and labour.

For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty.

### Typical Installation

N.B. Instantaneous water heating is the most energy efficient way of directly heating water electrically, however, the delivered water temperature will be dependant upon the incoming water temperature, supply voltage and selected flow rate.