Zip InLine ES®
Electronic Instantaneous Water Heater for single outlet.

Features

- Compact electronic instantaneous water heater with highly energy efficient bare-wire heating system for economic water supply to a single outlet.

- The innovatively designed appliance heats the water automatically as it flows through, without wasting energy in standby operation.

- The heating power electronically compensates for variable inlet pressures and temperatures.

- Outlet temperature factory set to 38°C, but can be installer adjusted between 30°C to 43°C.

- Intended for use with taps having M22 /M24 nozzles.

- External flow regulation.

- Easy to install and service.

N.B. There is a Zip specification sheet available on the 'The use of Thermostatic Blending Valves with Zip InLine.
There is also a Zip specification sheet on Zip InLine and Legionella risk.

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IT'S WATER. REFRESHED.

Model	ES3	ES4	ES6
Energy efficiency class	A	A	A
Pressure rating	1MPa		
Element type	Bare wire		
Supply voltage	1/N/PE 230 V~		
Nominal power rating @ 230V	2.8kW	4.4kW	5.5kW
Nominal current @ 230V	12A	19A	24A
Temperature adjustment (installer)	30°C - 43°C		
Maximum inlet temperature	70°C		
Factory set temperature[1]	38°C		
Factory set flow rate 38°C[2] (l/min)	1.5	2.4	3.0
Switch on flow rate (l/min)	1.2	1.5	1.5
Switch off flow rate (l/min)	1.0	1.3	1.3
Required specific water resistance @ 15°C	>1100 ohm.cm	>800 ohm.cm	>800 ohm.cm
Rated volume	0.2 litres		
Filled weight	1.5 (kg)		
Water connections	1/2" BSP		
Dimensions W x D x H	186mm x 87mm x 135mm		
Protection class (IEC529)	IP25		

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 1 MPa (10 bar).

(1) Subject to incoming water temperature, flow rate and supply voltage.

(2) Based on 12°C supply temperature, 3 bar dynamic pressure and 230V supply voltage.

Optional Touch Free Taps

Long reach basin/sink tap
TF001—Mains powered
TF002—Battery powered

Standard reach basin/sink tap
TF003—Mains powered
TF004—Battery powered

Tubular wall mounted tap
TF005—Battery powered
TF006—Mains powered

Tubular deck mounted tap
TF007—Battery powered
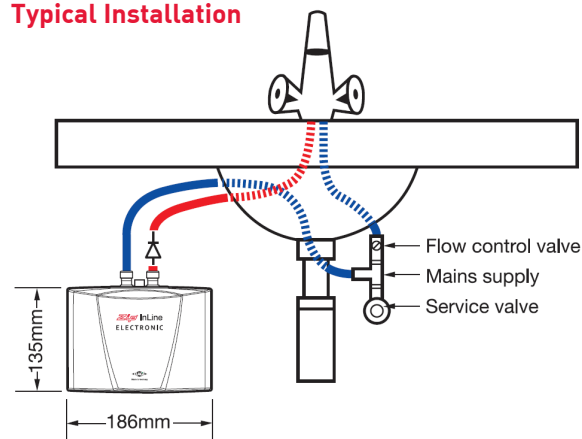TF008—Mains powered

Pillar tap
TF009—Dual powered

Remote control
TF100

IMPORTANT For correct operation of the ES models it is essential that the special tap nozzle supplied with the heater is fitted to the tap spout.
Only taps, such as those indicated above, with removable M22 / 24 nozzles should be used.

Description

- The ES is designed to provide hot water for handwash in areas where space is limited.
- Heating power controlled electronically for temperature stabilisation.
- Outlet temperature can be preset inside the unit between 30°C and 43°C (factory set at 38°C).
- Flow adjustment control, preset for a temperature increase of 25°C.
- Stainless steel bare-wire heating system for very quick response.
- Double pole thermal cut-out protection.
- Choice of special kits available complete with heater, tap and fittings.
- Supplied with 700mm of pre-wired cable.
- Easy to install with wall bracket.

Approvals
WRAS approval and CE endorsed.

Warranty
One year, on-site parts and labour. For full details of the Zip Warranty Scheme visit www.zipwater.com/uk/support/warranty-policy.

Installation

Location
The appliance must be installed in a frost free environment. Zip ES products comply with IP25 and may be installed in zone 1. The unit should be installed as close as possible to the outlet to avoid heat loss.

Plumbing
The appliance is intended for connection to the mains water supply. It should be installed by a suitably qualified person.
The appliance may be used as an unvented installation (as shown in the diagram opposite) or as a vented installation.

Electrical
The appliance must be earthed and connected to the mains supply by means of permanent wiring through suitable isolation having a contact separation of 3mm in all poles and may only be operated if measures have been taken to protect against shock-hazard voltages. Installation must be installed in accordance with current IEE regulations.

Technical Support
Contact Zip on 0845 6 005 005 or 0345 6 005 005.

Typical Installation

135mm
186mm

Flow control valve
Mains supply
Service valve

N.B. Zip InLine instantaneous water heating is the most efficient available, however, delivered water temperature is dependent on local incoming water temperature and supply voltage. Quoted performance assumes 12°C incoming water temperature and 230V supply.

If a non-return valve is necessary for installation it must be installed in the hot water outlet line and must NOT be fitted in the cold inlet line before the appliance.