

ELECRO

ENGINEERING

ELECRO 900 EVO

Digital Aquatic heater
2-kW to 8-kW



Features

- Fully equipped
- Easy installation
- Robust, durable construction
- Digital control with 0.5 °C Differential
- Titanium heating elements
- 316 Stainless Steel flow tube / Optional Titanium flow tube for use on sea water applications
- Ultra-reliable flow switch allows safe operation as low as 1,000 ltr/h
- May be floor or wall mounted using swivel foot
- Control thermostat and safety thermal cut out (manual reset)
- Optional 24 hr time clock
- 3 years conditional warranty

Construction

The ELECRO 900 EVO Aquatic heater is manufactured from top quality components and materials at the Elecro works in Hertfordshire, England and is renowned for being the most reliable unit available on the market.

Construction consists of a flow tube which is fitted with Inlet and Outlet mouldings manufactured from specially formulated polymer alloy material. Universal ABS unions are provided to allow solvent weld connection to the inlet and outlet pipe work. The outlet moulding accommodates a reversible flow switch with a gold tipped reed, and Titanium fulcrum pin.

The heater is supported on two swivel feet, these can swivel to permit either wall or floor mounting. The heater control components are positioned on the front face of the casing. The water inlet and outlet fittings can facilitate connection to either metric or imperial standard pipe. The inlet moulding has been designed to ensure full immersion of the elements, greatly reducing the risks of air locking.

Operation

The desired water temperature can be easily set on the 900 EVO Aquatic heater using the digital thermostat buttons, resulting in the temperature being displayed clearly on the small LCD screen. The single or three-phase power is supplied through a top quality *Schneider* contactor. Safety and equipment protection is provided by the highly reliable flow switch. Over-temperature protection is provided by the thermal cut out (manual reset).



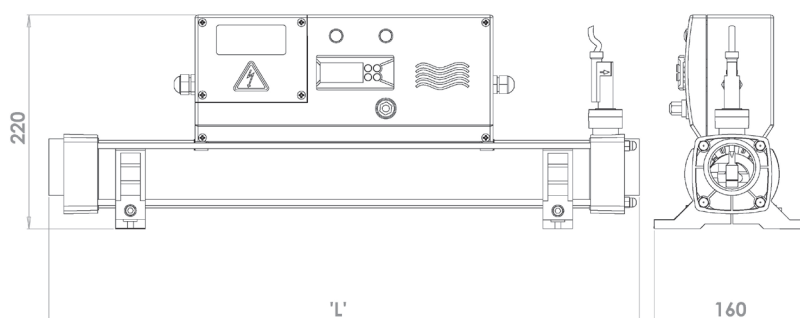
Specification & Models

Power supply:	230V single phase or 400V three phase (other supply voltages available)
Flow requirements:	Minimum flow = 1m ³ /h Maximum flow = 17m ³ /h
Heating Elements:	Titanium, high MgO compaction
Flow tube:	BS 316 Stainless Steel or optional Titanium for sea water applications
Control thermostat:	Digital 0 > 40°C (0.5°C differential)
Safety thermal cut out:	55 °C (manual reset)
Flow switch:	Gold tipped reed switch with titanium fulcrum pin
Wiring:	High temperature, silicone sheathed, multi-strand copper conductors
Contactor:	<i>Schneider</i>
Seals:	Special formula high temperature polymer
Water connections:	1.5" BSP female thread supplied with 1½" to 50mm ABS unions
Working pressure:	4 barg maximum
Mounting:	Floor or wall mounting
Standards compliance:	European Electromagnetic Compatibility directive 89/336/EEC and 93/068/EEC
Harmonised Standards:	EN 55014 – EN55104, EN 5501, EN 5502, CEI 801-4, CEI 801-2, CEI 801-3 The European Low Voltage Directive 72/23/EEC The Harmonised Standard EN 60335-2-35

230V 1 Phase Power Output	Load	S/S Flow Tube & Titanium Elements	S/S Flow Tube & Titanium Elements + 24-Hour Time Clock	Titanium Flow Tube & Titanium Elements	Titanium Flow Tube & Titanium Elements + 24-Hour Time Clock	Dimension 'L'
2-kW	9-Amp	9T2	97T2	T02	T12	462-mm
3-kW	13-Amp	9T3	97T3	T03	T13	462-mm
4-kW	18-Amp	9T4	97T4	T04	T14	462-mm
6-kW	27-Amp	9T6	97T6	T06	T16	462-mm
8-kW	35-Amp	9T8	97T8	T08	T18	592-mm

400V 3 Phase Power Output	Load	S/S Flow Tube & Titanium Elements	S/S Flow Tube & Titanium Elements + 24-Hour Time Clock	Titanium Flow Tube & Titanium Elements	Titanium Flow Tube & Titanium Elements + 24-Hour Time Clock	Dimension 'L'
6-kW	9-Amp	93T6	92T6	TA36	TA76	592-mm
8.4-kW	13-Amp	93T8	92T8	TA38	TA78	592-mm

Dimensions



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