

Vulcan

VULCAN

Swimming Pool Heater
3-kW – 15-kW



Features

- Fully equipped
- Easy installation
- Robust, durable construction
- Analogue control with 1 °C Differential
 - Digital control 0.5 °C accuracy
- Titanium heating elements
- BS 316 Stainless Steel flow tube
- 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)
- 3 years conditional warranty

Construction

The Vulcan pool heater is manufactured from top quality components and materials at the Elecro works in Hertfordshire, England.

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 pool temperature can be easily set on the Vulcan heater using the panel-mounted thermostat dial in the case of the analogue model, in respect of the digital model by using the touch buttons, resulting in the temperatures being displayed clearly on the 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
Flow requirements:	Minimum flow:- 3-kW to 6-kW = 1m ³ /h 9-kW to 15-kw = 4m ³ /h Maximum flow:- 17m ³ /h
Heating Elements:	Titanium, high MgO compaction.
Flow tubes:	BS 316 Stainless Steel
Control thermostat (Analogue):	0 > 40°C (1°C differential)
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
Contactors:	<i>Schneider</i>
Seals:	Special formula high temperature polymer
Water connections:	1½" 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	Vulcan Analogue	Vulcan Digital	Dimension 'L'
3-kW	13-Amp	V-8T83	V-8T83-D	462-mm
4.5-kW	20-Amp	V-8T84	V-8T84-D	462-mm
6-kW	27-Amp	V-8T86	V-8T86-D	462-mm
9-kW	40-Amp	V-8T89	V-8T89-D	462-mm
12-kW	52-Amp	V-8T8A	V-8T8A-D	462-mm
15-kW	66-Amp	V-8T8B	V-8T8B-D	592-mm

400V 3 Phase Power Output	Load	Vulcan Analogue	Vulcan Digital	Dimension 'L'
6-kW	9-Amp	V-8T36V	V-8T36V-D	592-mm
9-kW	13-Amp	V-8T39V	V-8T39V-D	592-mm
12-kW	18-Amp	V-8T3AV	V-8T3AV-D	592-mm
15-kW	22-Amp	V-8T3B	V-8T3B-D	592-mm

Dimensions

