

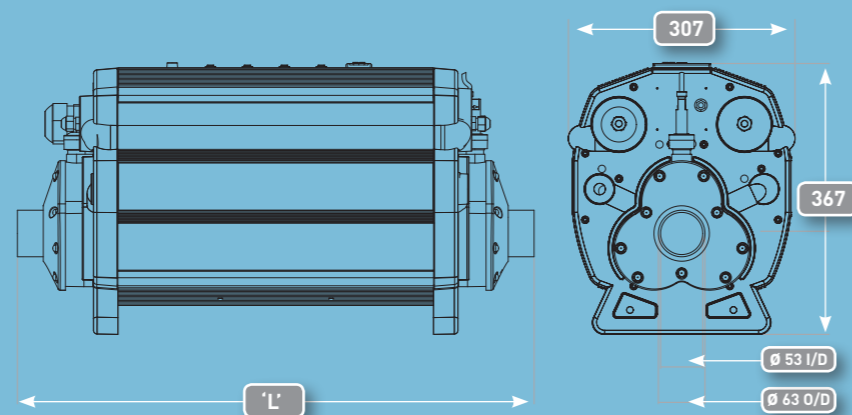
Titan Optima & Titan Optima *plus*

Swimming Pool Heater with Ultra Efficient Titanium Heating Elements

Specification and Models

Flow requirements:	Minimum flow: 200LPM / 12m ³ /h Maximum flow: 750LPM / 45m ³ /h Recommended: 500LPM / 30m ³ /h
Heating elements:	Titanium, high MgO compaction – 25.4 Watts/cm ² 415V 3ph BS 316 Stainless Steel EN (1.4432) (Titan Optima) or pure titanium (Titan Optima <i>plus</i>)
Flow tubes:	Moulded Aluminium, epoxy powder coated
Cladding panels:	Cascade wired dual <i>Schneider</i> contactors for each element bank
Contactors:	0 > 45°C (0.5°C differential)
Control Thermostat:	
Thermal Safety Cut Out:	1 x 60°C safety thermal cut out (auto reset) against enclosure over-temperature 1 x 55°C safety thermal cut out (manual reset)
Flow switch:	Gold tipped reed switch with titanium fulcrum pin
Wiring:	High temperature, silicone sheathed, multi-strand copper conductors
Seals:	High temperature special formula EPDM
Water connections:	63mm spigot with adaptor for 2" NB
Working pressure:	4 bar maximum
Mounting:	Floor or wall mounting (wall bracket supplied)
Standards compliance:	European Electromagnetic Compatibility directive 89/336/EEC and 93/068/EEC
Harmonised Standards:	EN 55014 - EN55104, EN5501, EN5502, CEI 801-4, CEI 801-2, CEI 801-3. The European Low Voltage Directive 72/23/EEC The Harmonised Standard EN 60335-2-35

Dimensions



ELECR0
FLUID DYNAMICS
www.elecro.co.uk

415V 3 Phase Power Output	Load	Titan Optima Product Code	Titan Optima <i>plus</i> Product Code	Dimension 'L'
19.5-kW	27-Amp	ASP-TO-19	ASP-TO-19-T	699-mm
26.0-kW	36-Amp	ASP-TP-26	ASP-TO-26-T	699-mm
32.5-kW	45-Amp	ASP-TO-26	ASP-TO-32-T	699-mm
39.0-kW	54-Amp	ASP-TO-32	ASP-TO-39-T	699-mm
49.0-kW	68-Amp	ASP-TO-49	ASP-TO-49-T	699-mm
59.0-kW	82-Amp	ASP-TO-59	ASP-TO-59-T	699-mm

Titan Optima heaters utilise titanium elements with 316 stainless steel flow tubes
Titan Optima *plus* heaters utilise titanium elements with titanium flow tubes