



ELECRO ENGINEERING

Pool & Spa Heaters | Water Treatment | Heat Exchangers



3 Year Warranty
on all Elecro
Products



Product Overview

www.elecro.co.uk

ELECRO Water Treatment Products

- All Elecro Water Treatment products are 100% Sea and Saltwater compatible
- Reduces chemical consumptions
- Destroys micro-organisms such as bacteria, viruses, chloramines and pathogens providing a safe swimming environment

H.R.UV-C

- Designed using the latest knowledge of highly reflective reactor casing materials
- Up to 95% reflection is achieved
- The inside surface casing is extremely repellent and therefore self-cleaning
- Two power options:
 - 55 Watts for flow rates up to 21m³/hour
 - 110 Watts for flow rates up to 42m³/hour
- Optional intelligent electronics indicate when the lamps are not producing sufficient UV-C



Spectrum Hybrid UV + HO radicals

- Activated titanium reaction chamber produces Hydroxyl Radical oxidisers, and increases the sterilising efficiency compared to traditional UV's
- All Spectrum Hybrid units are supplied complete with flow switch and the choice of:
 - Intelligent electronics indicate when the lamps are not producing sufficient UV-C
 - Digital lamp life countdown and intelligent peristaltic dosing pump
- Two power options:
 - 55 Watts for flow rates up to 12m³/hour [50m³ pool volume]
 - 110 Watts for flow rates up to 24m³/hour [100m³ pool volume]



Quantum

Hygienic, sterile pool water that sparkles like diamonds in a way you've never seen before

- Quantum uses Nano Crystal technology to generate sterilising oxidants by photocatalytic reaction, whilst also altering the water to form abundant Hydroxyl Radicals
- Combined Photocatalytic, Hydroxyl Radical and UV technology; most powerful, proven sterilising oxidiser
- The **powerful** technology instantly **destroys** all viruses, bacteria and pathogens.
- Breaks down organic matter such as sun tan oil, bio film and urea, converting them back into their harmless molecular form
- Reaction is contained within the chamber releasing only pure, fresh water
- Ultimate sterilisation without compromise to health
- Long-life 14,000 hour lamp
- All Quantum units are supplied complete with flow switch and the choice of:
 - Intelligent electronics indicate when the lamps are not producing sufficient UV-C
 - Digital lamp life countdown and intelligent peristaltic dosing pump
- Two power options:
 - 55 Watts for flow rates up to 14m³/hour [65m³ pool volume]
 - 110 Watts for flow rates up to 28m³/hour [130m³ pool volume]



All Elecro Electric Heaters offer:

- Titanium elements as standard, with zero corrosion guarantee or Incoloy 825
- Salt water compatible
- 99.9% operational efficiency throughout product life
- Silent operation
- Robust and durable
- No maintenance required
- High quality design, built in the UK, to provide reliable and long-lasting products

Nano

- 4 Power options ranging from 2-kW to 6-kW
- Easy installation, supplied fully pre-wired complete with all controls including:
 - Temperature Sensor
 - Overheating Sensor
 - Flow Sensor
- Floor or Wall mountable: Horizontally or Vertically
- Incoloy 825 or Titanium heating elements (with zero corrosion guarantee)

Ideal heater for
heat pump top
up

Titanium Heating
Element inside

Incoloy 825 Heating
Element inside

Evolution [EVO]

- 8 power options ranging from 3-kW to 24-kW
- For residential and small commercial pools and spas
- AISI 316 Stainless Steel outer casing as standard. Titanium outer casing available as an upgrade option
- Supplied fully pre-wired with contactor, flow sensor and overheating sensor
- Flow sensor automatically shuts off heater when there is no water flow
- No pump interlock required
- Floor or wall mountable: Horizontally or Vertically



Flow-Line

- 8 power options ranging from 2-kW to 18-kW
- AISI 316 Stainless Steel outer casing as standard. Titanium outer casing available as an upgrade option.
- Supplied with: Temperature Sensor, Overheating Sensor and Flow Sensor
- Non-wired requires connection to external contactor
- Floor or wall mountable: Horizontally or Vertically



Optima Compact

- 8 power options ranging from 3-kW to 24-kW
- For residential and small commercial pools
- BMS (Building Management System) integration ready
- Smart Touch Screen Display
- Priority Heating – Ensuring your pool is always maintained at the perfect pool temperature
- Programmable time clock
- Flow sensor automatically shuts off when there is no water flow
- Two Schneider Electric contactors
- Overheat Sensor
- Also available in analogue and standard digital format
- Floor or wall mountable (bracket supplied)



Titan Optima

- 10 power options ranging from 18-kW to 120-kW
- For commercial and large domestic pools
- Compact design with high power output
- Two Schneider Electric contactors per heating element bank
- Digital control with soft-start for power supply protection
- Flow sensor automatically shuts off when there is no water flow
- Overheat Sensor
- Floor or vertically wall mounted with bracket supplied
- Optional Smart Touch Screen Display featuring:
 - BMS (Building Management System) Integration Ready
 - Priority Heating
 - Programmable time clock



Touchscreen

Standard Digital



Poolsmart PLUS Touchscreen Heating Controller

- Easily added to control any G2 or SST heat exchanger, suitable for all outputs
- Flow sensor ensures that your heating appliance is only switched on when the pool circulation pump is running
- Features:
 - Smart Touch Screen Display
 - BMS (Building Management System) Integration Ready
 - Priority Heating – Ensuring your pool is always maintained at the perfect pool temperature
 - Programmable 24-hour time clock (4 time zones)
 - Accurate control to 0.5°C
 - Diagnostic Display
- Supplied with flow sensor and temperature sensor



G2 Multi Tubular

- 4 Models ranging from 30-kW to 122-kW
- For residential and small commercial applications
- Titanium tube bundle sea water compatible
- Close contact with primary heated water for ultimate efficiency
- Fully thermally insulated primary and secondary circuit
- Huge heat transfer area for fast start up and efficiency
- Very effective with low primary water temperatures such as solar thermal or heat pump



Shell & Spiral Tube (SST)

- 4 Models ranging from 36-kW to 95-kW
- For residential and small commercial applications
- 30 bar (primary) and 5 bar (secondary) pressure tolerance
- Easy to install
- High efficiency – titanium spiral coil is fully immersed in the secondary chamber fluid
- Sea and salt water compatible
- Titanium temperature sensor port
- Floor or wall mountable



Escalade Fully Welded All Titanium

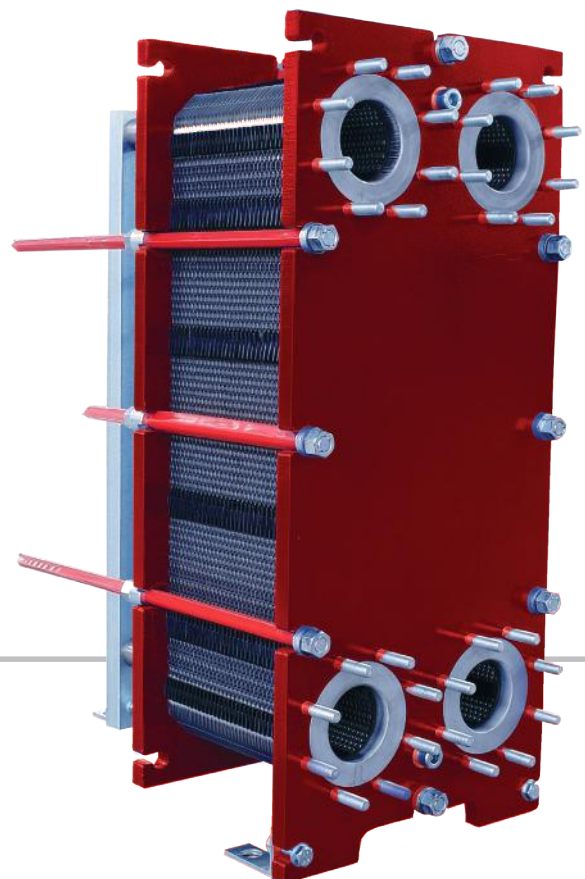
- 3 Models ranging from 30-kW to 75-kW
- For residential and small commercial applications
- Fully welded, corrosion-proof titanium
- Sea water compatible
- 30 bar [primary] and 5 bar [secondary] pressure tolerance
- High efficiency - primary coil is fully immersed in the secondary chamber fluid
- Integral temperature sensor port
- Floor or wall mountable

Designed for
demanding
chemical
applications



Plate Heat Exchanger

- Heat output ranging from 100-kW to 3-MW
- For commercial and domestic pools
- Titanium plates as standard - sea water compatible
- High overall heat transfer coefficient
- High performance with low hold-up volume
- Versatile, modular design
- Compact design gives maximum volume without compromising mechanical robustness
- Short lead-time custom build service



SOLAR HEATER

Thermecro Solar Heater

- Specifically designed for pools and spas
- Direct Pool Water Flow: No heat exchanger or additional circulation pump required
- Utilising vacuum tube technology, the most efficient solar harvesting method in existence
- Eco friendly solution: zero CO² emissions
- Simple installation; easily retro fitted to any existing system
- Space saving, compact design ensures maximum output from the smallest possible footprint

thermecro





ELECRO
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