

QUANTUM

Quantum uses new ceramic Nano Crystal technology, a prime focus of the science world today; possessing the power to sterilise sewage into drinking water without the use of chemicals.



FEATURES

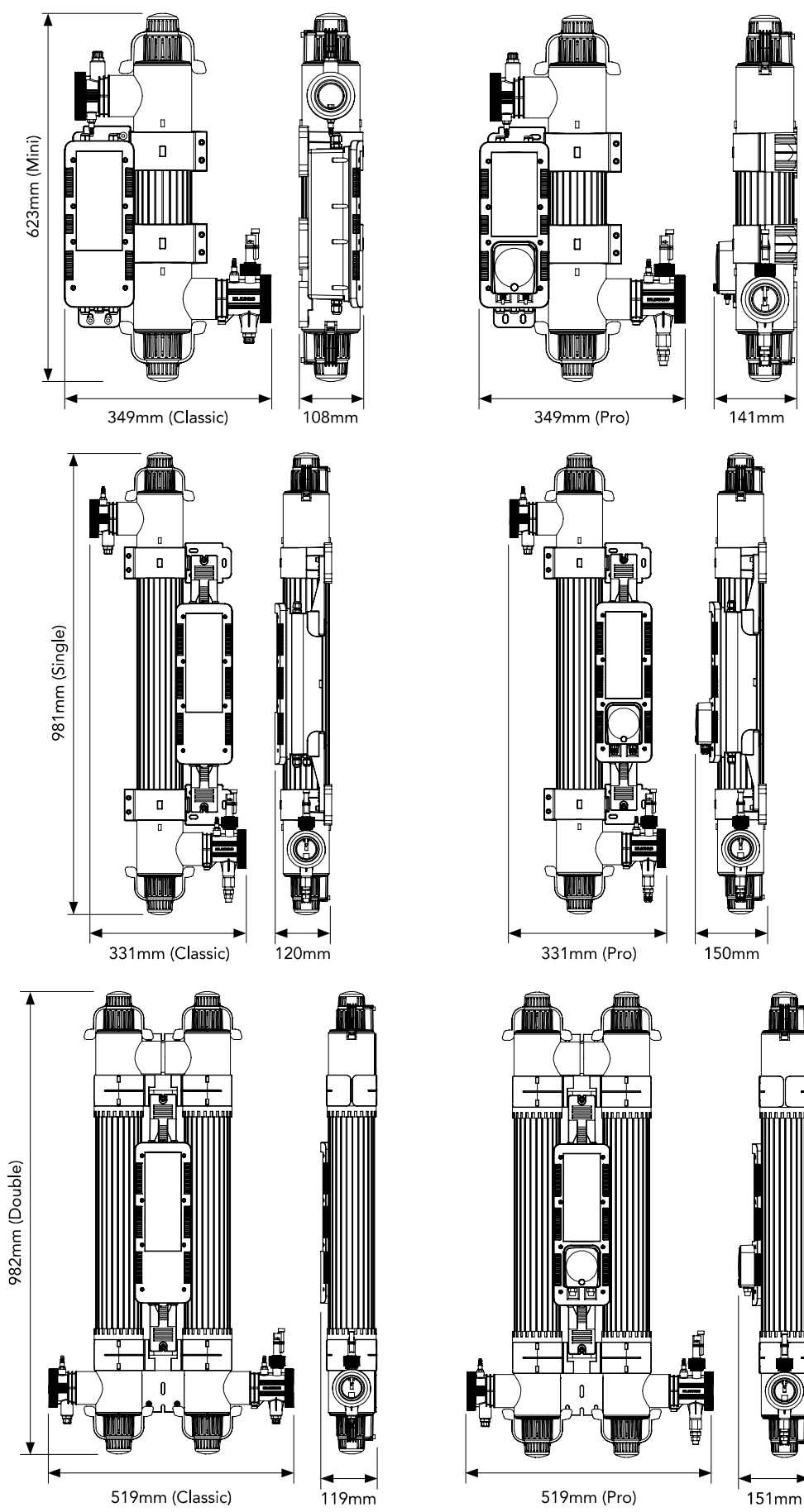
- Photocatalytic TiO₂/Mo oxidiser and clarifier
- Combined photocatalytic and hydroxyl radical oxidation with UV technology
- Eliminates contaminants, leaving water looking clean, fresh and crystal clear
- Reduces chemical consumption in the pool
- Keeps your family safe from dangerous microorganisms such as cryptosporidium, adenoviruses and naegleria fowleri
- Optional smart peristaltic dosing system for chlorine or hydrogen peroxide (Pro model only)
- Powerful disinfection and eliminates the smell of chlorine
- Average lamp life expectancy: Up to 2 years
- Equipped with intelligent lamp life indicator
- Sea and salt chlorinated water compatible
- Available in three sizes: Mini (35m³), Single (65m³) and Double (130m³)
- Models: Classic and Pro

MODELS

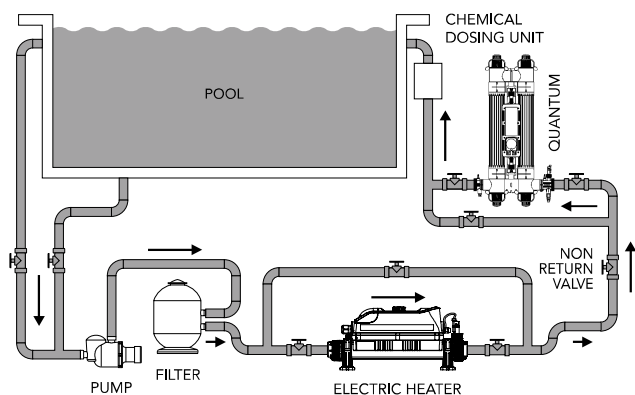
100~240V 1-PHASE	LAMP OUTPUT (W)	MAX. POOL VOL (m³)*	FEATURES	NET WEIGHT (kg)	GROSS WEIGHT (kg)	GROSS VOL (m³)	UK PLUG	PRODUCT CODE**	
								EURO PLUG	USA PLUG
Mini Classic	30	35	Flow switch, analogue lamp life indicator & reset switch	5.1700	7.0000	0.0639	Q-35-UK	Q-35-EU	Q-35-USA
Mini Pro	30	35	Flow switch, digital lamp life countdown & intelligent dosing pump	5.7700	7.6000	0.0639	QP-35-UK	QP-35-EU	QP-35-USA
Single Classic	55	65	Flow switch, analogue lamp life indicator & reset switch	7.2900	9.6800	0.0996	Q-65-UK	Q-65-EU	Q-65-USA
Single Pro	55	65	Flow switch, digital lamp life countdown & intelligent dosing pump	8.0900	10.4800	0.0996	QP-65-UK	QP-65-EU	QP-65-USA
Double Classic	110	130	Flow switch, analogue lamp life indicator & reset switch	12.1500	15.1500	0.1393	Q-130-UK	Q-130-EU	Q-130-USA
Double Pro	110	130	Flow switch, digital lamp life countdown & intelligent dosing pump	12.6500	15.6500	0.1393	QP-130-UK	QP-130-EU	QP-130-USA

*Minimum filtration turnaround of three times per day. **For other plug types, please contact our sales team at sales@elecro.co.uk

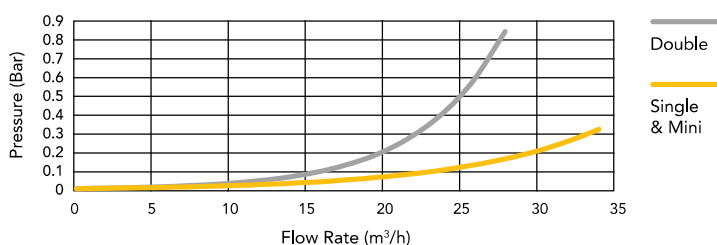
TECHNICAL DRAWINGS



SYSTEM SETUP



PRESSURE DROP



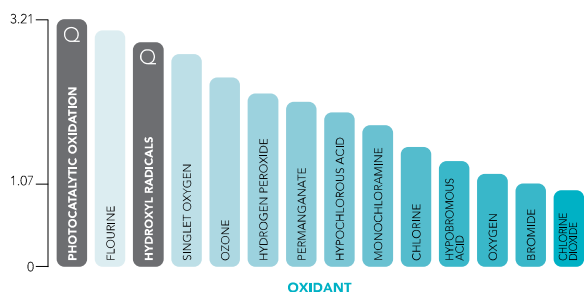
SPECIFICATIONS

Power supply:	Single Phase 100V ~ 240V	Lamp life:	Up to 9,000 hours
Min. flow rate:	1.5m³/h	Dosing rate:	Exceeds the equivalent of 30mj/cm² at maximum flow rate
Max. flow rate:	Mini: 10,000 litres per hour; 10m³/h Single: 14,000 litres per hour; 14m³/h Double: 28,000 litres per hour; 28m³/h	Ingress protection rating:	IP65
Max. pool size:	Mini: 35,000 litres; 35m³ Single: 65,000 litres; 65m³ Double: 130,000 litres; 130m³	Frequency:	50/60 Hz
Max. power consumption:	Mini: 40W Single: 64W Double: 128W	Working pressure:	3 Bar maximum
Lamp:	Low pressure/high output	Water connections:	2"/63mm stepped ABS unions + reducers 1½"/50mm
		Salt water:	100% chlorinated salt and sea water safe
		Mounting:	Vertical or horizontal wall mounting
		Oxidisation processes:	Quantum photocatalytic oxidiser (PCO) & hydroxyl radicals (HO)



OXIDISATION

OXIDATION STRENGTH (EV)



THE SCIENCE BEHIND PHOTOCATALYTIC OXIDATION (PCO)

