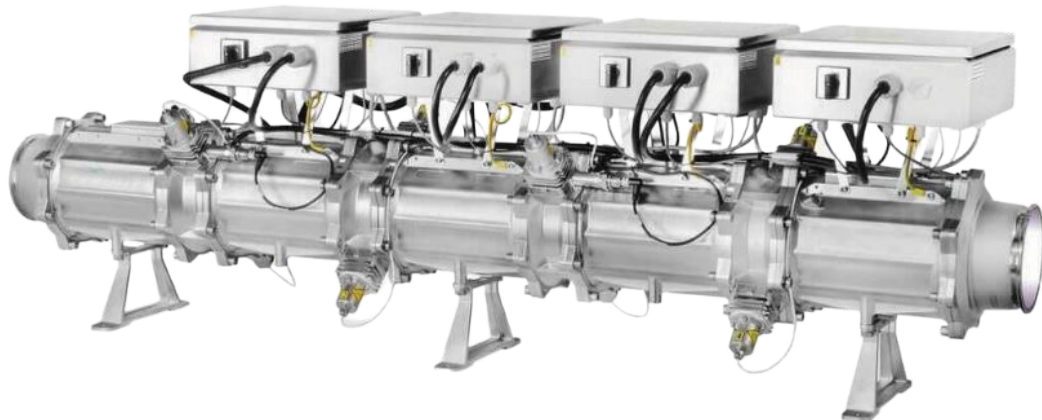
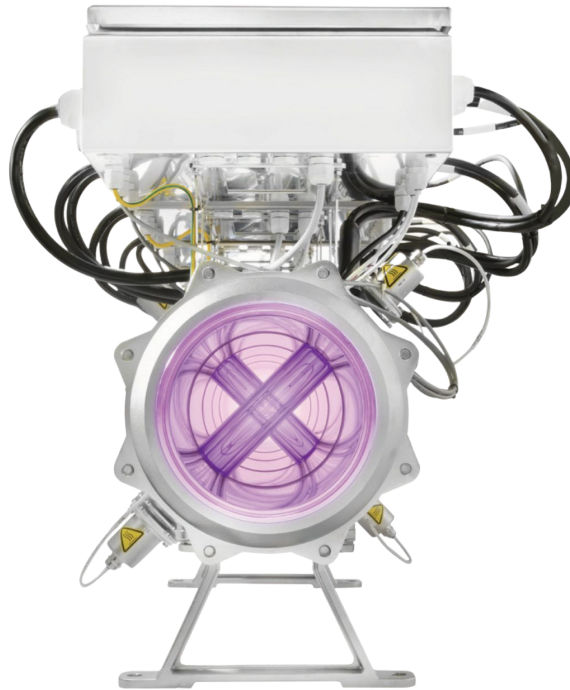


CLEAR

WATER

Hydro-Optic™ Technology





Clear Water Hydro-Optic™ Technology

Clear's Hydro-Optic™ Water system features the unique Total Internal Reflection technology that recycles UV light energy, ensures homogenous UV dose distribution and provides superior power (kW) efficiency compared to traditional UV.

	1	2
Number of Lamps *	1kW	2kW
Max Power Consumption (Lamps Only)	1039 / 40.9	1565 / 61.6
Unit Length (mm/inch) **	405.4 / 15.96	365 / 14.37
Unit Chamber Width – Widest Point (mm/inch)	37 / 82	58 / 28
Unit Weight (kg/lb)	8.9 / 2.3	13.3 / 3.5
Unit Volume (liter/gallon)	Flange DIN 2527 DN100 PN16 / Flange ANSI B 16.5 4" 150lb Tri-Clamp FERRULE DIN 32676 DN 100	
Standard Pipe Connection	60° / 140°	
Maximum Water Temperature– Lamps On (°C / °F)	125° / 257°	
Maximum Water Temperature– Lamps Off (°C / °F)	45° / 113°	
Maximum Ambient Temperature (°C / °F)	10 / 145	
Maximum Working Pressure (bar/PSI)	Application Dependent	
Maximum Flow Rate	Electro-polished Stainless Steel 316L	
Housing Material	Integrated with flat touch screen user interface	
Controller	Ballast Mode	
Power Supply Enclosure	320 / 12.6	
Required Service Clearance on Sides (mm/inch)	IP54 / IP56	
Enclosure Protection Rating	380/400/440/480VAC 3 phases + ground	
Electricity Requirements		

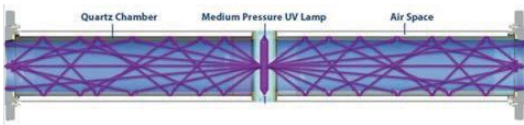
Specifications subject to change without notice. All dimensions for reference only, ICD drawings should be used for design purposes. User to provide a flow signal (flow switch/flow meter).

* Number of lamps determined by application

** Flange to flange



Hydro-Optic™ Water System Component Breakdown



Hydro-Optic™ Engineering



Lamp



Single Lamp Unit



Touchscreen Controller



Two Lamp Unit Bulb Replacement



Power Enclosure



Hydro-Optic™ Water System Regulatory Compliance

Full EPA protocol third party validation from HydroQual

FDA pasteurized equivalent water/water disinfection

European Low Voltage Directive (LVD): 73/23/EEC (electrical safety)

UL or CSA

EC/99/93 (quality of water for human consumption)

ISO 9001:2008 Quality Management

US Federal Performance Standards 40 CFR 141.720

3rd party validated by HydroQual, Inc.

GOST Standards Institute, Russian Federation

National Institute of Public Health, Poland

Resolucion exenta No 2.327 del 31 de diciembre de 2010, en el marco de la Ley General de Pesca y Acuicultura

