

TrojanUVLogic Series

Aquafine Corporation High Performance Ultraviolet Systems

The TrojanUVLogic Series is a robust, highly versatile UV water treatment system with broad capabilities for many industrial applications. Available in numerous configurations, it has proven its reliability in thousands of installations worldwide.

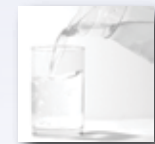
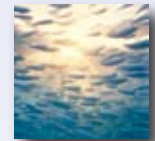
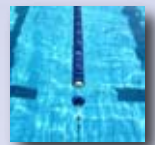
The series features the industry's most advanced low-pressure, high-output (LPHO) amalgam lamp technology and utilizes this advancement as an efficient and cost effective alternative across multiple applications. As a result, TrojanUVLogic systems require only one-third the number of lamps to deliver a dose equivalent to those of conventional systems.

The "L-shaped" reactor design was developed using advanced computer

modeling, resulting in 40% greater hydraulic efficiency than conventional systems. Compact in size and with the ability to be mounted horizontally or vertically, the TrojanUVLogic maximizes installation flexibility and preserves precious floor space.

Single-ended lamps and quartz sleeves allow fast lamp change-outs without tools and feature an optional manual or automated sleeve cleaning system which can be operated while the reactor is online. In addition to a comprehensive list of standard features, each system undergoes rigorous quality checks and electronic functionality and hydrostatic pressure testing before leaving our facility.

- Recreational Water
- Life Sciences
- Microelectronics
- Aquaculture
- Food & Beverage
- Special Applications



Advantages

- State-of-the-Art Technology Utilizing Amalgam Lamps
- Smaller Footprint
- Lower Operational and Maintenance Costs
- Microprocessor-Based Controller
- 9,000 Hour Single-Ended (SE) Amalgam UV Lamps
- 7 Programmable Input/Output Signals
- NSF 50, cULus and CE Listed



TrojanUVLogic

Description:

The TrojanUVLogic Series consists of a 316L stainless steel treatment chamber and a UL TYPE-3R 304 stainless steel control cabinet featuring a microprocessor-based controller. A maximum cable length of 15 feet (5m) is available. The compact size maximizes installation flexibility and preserves floor space with the ability to mount in line, horizontally or vertically. Single-ended lamps and quartz sleeves allow quick change-outs without tools.

Features:

- UL TYPE-3R 304 Stainless Steel Control Cabinet
- 316L Stainless Steel Treatment Chamber
- Viton Gaskets & O-rings
- 9,000 Hour Single-Ended (SE) Amalgam Lamps
- Microprocessor-Based Controller
- HAND/OFF/AUTO (HOA)
- Lamp Status Indicator
- Lamp Out Alert (LOA)
- Temperature Safety Control
- UV Intensity Meter with 4-20mA Interface
- 150psig (10barg) Standard Operating Pressure
- All Models are NSF 50, CE and cULus Listed



TrojanUVLogic

Options:

- Manual or Automatic Quartz Sleeve Cleaning Assembly
(02AS20 is available with manual wiper only)
- Inlet/Outlet Flange (DIN)
- Sanitary Fittings
- Vertical or Horizontal Mounting
- 120 VAC Operating Power
- Other I/O Sizes Available for Other Flow Rates

Specifications:

Model: TrojanUVLogic	02AS20	03AS20	04AS20	03AL20	06AS20	04AL20	08AS20	08AL20	06AL30	08AL30	12AL30
MAX. OPERATING PRESS. PSIG (BAR)	150 (10)										
MAX. OPERATING TEMP. °F (°C)	Water: 41° - 104° (5° - 40°) Ambient Air 34° - 104° (1° - 40°)										
NUMBER OF UV LAMPS	2	3	4	3	6	4	8	8	6	8	12
ELECTRICAL SUPPLY	208-240V/50Hz or 60Hz, SINGLE PHASE										
OPERATING POWER (VA)	346	534	692	849	1007	1113	1323	2165	1639	2169	3218
INLET/OUTLET SIZE INCHES (MM)	4 (100)	4 (100)	6 (150)	6 (150)	6 (150)	6 (150)	6 (150)	6 (150)	10 (250)	10 (250)	10 (250)
HOT WATER SANITIZABLE WITH SENSOR °F (°C)	185° (85°)										
FLOW RATE DISINFECTION (@95% UVT) GPM (M ³ /HR)*	230 (52)	350 (80)	480 (110)	560 (130)	695 (160)	780 (177)	875 (200)	1040† (236)	1750 (400)	2270 (516)	2765 (628)
FLOW RATE DISINFECTION (@99% UVT) GPM (M ³ /HR)*	290 (66)	430 (97)	585 (133)	690 (156)	835 (189)	935 (212)	1010 (229)	1040†† (236)	2275 (517)	2800*** (636)	2800† (636)
FLOW RATE OZONE DESTRUCTION (@99% UVT) GPM (M ³ /HR)**	100 (23)	145 (32)	195 (44)	235 (53)	280 (63)	320 (72)	345 (78)	555 (126)	760 (173)	990 (225)	1240 (282)

* Disinfection Dose Level: 30 mJ/cm² after 9,000 hours of operation.

** Ozone Destruction Dose Level: 90 mJ/cm² after 9,000 hours of operation (up to 1.0 ppm of ozone).

*** Disinfection Dose Level: 32 mJ/cm² after 9,000 hours of operation.

† Disinfection Dose Level: 39 mJ/cm² after 9,000 hours of operation.

†† Disinfection Dose Level: 47 mJ/cm² after 9,000 hours of operation.

NOTE: Flow rates are restricted due to maximum I/O velocities.

All specifications are subject to change without notice.
For additional requirements, please contact Aquafine Corporation.



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