

# TrojanUVLogic™ Series

High Performance UV Systems

A robust, highly versatile UV water treatment system featuring the industry's most advanced low-pressure, high-output amalgam lamp technology is an efficient and cost effective alternative.

SHOWN  
TUVLogic™  
4L

INDUSTRIES | Aquaculture, Food & Bev.,  
Life Sciences, Microelectronics, Rec. Waters

FLOWRATES: 230-7489GPM @ 95%UVT,  
290-8141GPM @ 99%UVT



Aquafine TrojanUVLogic™ series for chlorine and chloramines utilizing amalgam lamp technology are the systems of choice for meeting the rigid quality standards of the Recreational Waters, Life Sciences and Food & Beverage markets.

#### AMALGAM TECHNOLOGY

Aquafine's TrojanUVLogic™ systems 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.

#### SAFE & EFFECTIVE

UV does not 'add' anything to the water stream such as undesirable color, odor, chemicals, taste or flavor, nor does it generate harmful by-products. UV only imparts energy to the water stream in the form of ultraviolet light to reduce the chlorine or chloramines present.

For questions regarding your application needs, please contact your local Authorized Distributor or Aquafine Corporation for more information.

APPLICATIONS | Disinfection, Chlorine/  
Chloramines Destruction, Ozone Destruction

DESIGN CAPABILITIES | Custom Configurations or  
Skid Capabilities

#### TrojanUVLogic™ SERIES

The "L-shaped" reactor design was developed using advanced computer modeling, resulting in 40% greater hydraulic efficiency than conventional systems and features the industry's most advanced low-pressure, high-output (LPHO) amalgam lamp technology.

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 for quick change-outs without tools. TrojanUVLogic™ systems are CE compliant as well as NSF 50 and cULus certified.



**Aquafine®**  
60 Years of Pure Quality

# TrojanUVLogic™ Series

## High Performance UV Water Treatment System

Model: TrojanUVLogic™	02AS20	03AS20	04AS20	03AL20	06AS20	04AL20††	08AS20	06AL20	08AL20	06AL30	08AL30	12AL30	12AL40	18AL40††	18AL50††	24AL50††	30AL50††
<b>MAXIMUM FLOW RATE</b>																	
<b>DISINFECTION @95%UVT GPM (M<sup>3</sup>/HR)*</b>	230 (52)	350 (80)	480 (110)	560 (130)	695 (160)	780 (177)	875 (200)	852‡ (194)	1014‡ (230)	1750 (400)	2270 (516)	2765 (628)	3643 (828)	4005 (910)	6145 (1396)	8141 (1850)	7489 (1702)
<b>DISINFECTION @99% UVT GPM (M<sup>3</sup>/HR)*</b>	290 (66)	430 (97)	585 (133)	690 (156)	835 (189)	935 (212)	1010 (229)	1014‡ (230)	1040§ (236)	2275 (517)	2240‡ (509)	2730‡ (620)	3989 (906)	4750** (1080)	7320‡ (1664)	8141§ (1850)	8141†† (1850)
<b>OZONE DEST. @99% UVT GPM (M<sup>3</sup>/HR)†</b>	100 (23)	145 (32)	195 (44)	235 (53)	280 (63)	320 (72)	345 (78)	450 (102)	546 (124)	760 (173)	990 (225)	1240 (282)	1772 (403)	2589 (588)	3253 (739)	4292 (975)	5265 (1196)
<b>NUMBER OF UV LAMPS (LP)</b>	2	3	4	3	6	4	8	6	8	6	8	12		18		24	30
<b>ELECTRICAL REQUIREMENTS</b>																	
<b>ELECTRICAL SUPPLY</b>	208-240VAC 50Hz SINGLE PHASE 1 W + GND, 60Hz SINGLE PHASE 2 W + GND																
<b>OPERATING POWER (NOMINAL WATTS)</b>	346	534	692	849	1007	1113	1323	1639	2170	1639	2170	3218		4750		6310	7870
<b>BALLAST TYPE</b>	ELECTRONIC																
<b>CONTROLLER</b>																	
<b>UV SENSOR W/ 4-20mA</b>	STANDARD																
<b>LAMP STATUS INDICATOR</b>	STANDARD																
<b>LAMP OUT ALERT DRY CONTACT</b>	STANDARD																
<b>TEMP. SWITCH</b>	STANDARD																
<b>RUNNING TIME INDICATOR</b>	STANDARD																
<b>REMOTE ON/OFF 24-240V AC/DC</b>	STANDARD																
<b>CONTROL CABINET (CC)</b>																	
<b>CC SYSTEM RATING</b>	NEMA 12																
<b>MATERIALS OF CONSTRUCTION</b>	304 STAINLESS STEEL (PAINTED CARBON STEEL OPTIONAL)																
<b>CC DIMENSIONS - HXWXD INCHES (CONTACT AQUAFINE FOR CE)</b>	24 X 24 X 10					24 X 30 X 10	24 X 24 X 10	24 X 30 X 10	24 X 24 X 10	24 X 30 X 10				48 X 36 X 10			
<b>TREATMENT CHAMBER</b>																	
<b>MATERIALS OF CONSTRUCTION</b>	316L STAINLESS STEEL																
<b>INTERNAL SURFACE FINISH</b>	Ra 32 (Ra 15 OPTIONAL)																
<b>OPERATING TEMPERATURE °F (°C)</b>	Water: 41° - 104° (5° - 40°) Ambient Air: 34° - 104° (1° - 40°)																
<b>MAX. OPERATING PRESSURE PSI (BAR)</b>	150 (10)																
<b>INLET/OUTLET FLANGE INCHES (MM)</b>	4 (100)		6 (150)					10 (250)			14 (350)		18 (450)				
<b>WIPER OPTION</b>	MANUAL	MANUAL OR AUTOMATIC							AUTOMATIC								

Dose Levels: \* 30 mJ/cm<sup>2</sup> after 9,000 hours of operation. † 90 mJ/cm<sup>2</sup> after 9,000 hours of operation. ‡ 40 mJ/cm<sup>2</sup> after 9,000 hours of operation. § 47 mJ/cm<sup>2</sup> after 9,000 hours of operation. \*\* 49 mJ/cm<sup>2</sup> after 9,000 hours of operation. †† 58 mJ/cm<sup>2</sup> after 9,000 hours of operation.

‡‡ These models are not NSF certified. For more information, contact Aquafine.



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Aquafine is an ISO 9001:2008 certified company.

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