

# ChloRid™ Series

High Performance UV Systems

Utilizing medium-pressure lamp technology, Aquafine's ChloRid™ series meets and exceeds the diverse needs of market specific applications for the destruction of chlorine and chloramines.

SHOWN  
ChloRid™  
4L

INDUSTRIES | Recreational Water, Food & Beverage, Life Sciences

FLOWRATES: 14-50GPM @ 90%UVT,  
786-2895GPM @ 95%UVT, 30-112GPM @ 98%UVT



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

### UV TECHNOLOGY

Used effectively as a system for the reduction of chlorine and chloramines, MP lamp technology produces significantly higher levels of UV energy than low-pressure (LP) lamps, resulting in fewer lamps. MP lamps are polychromatic and produce a broad range of wavelengths, highly effective in inactivating microorganisms and reducing chemical compounds present in water.

### 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.

APPLICATIONS | Chlorine/Chloramines Destruction

DESIGN CAPABILITIES | Custom Configurations

### ChloRid™ SERIES

Aquafine ChloRid™ systems for chlorine and chloramines destruction utilize medium-pressure (MP) lamp technology and are well suited for flow rates greater than 25gpm given the efficiencies gained in meeting dosage intensive applications while being economically competitive.

The ChloRid™ series consists of 316L stainless steel treatment chamber and a NEMA 12 painted carbon steel control cabinet, featuring a microprocessor-based controller. The incorporation of MP high intensity ultraviolet (UV) lamps reduces the number of lamps by 90 percent, reducing footprint and downtime requirements and decreasing installation and maintenance costs.

With a reduced footprint, higher flow rates and state-of-the-art MP technology, Aquafine's ChloRid™ systems are an innovative, reliable and environmentally responsible alternative. ChloRid™ systems are CE compliant. NSF & cULus pending.



**Aquafine®**  
60 Years of Pure Quality

# ChloRid™ Series

High Performance UV Water Treatment System

Specifications:

Model: ChloRid™	1L	2L	4L
<b>MARKETS &amp; MAXIMUM FLOW RATE</b>			
REC. WATERS @95% UVT GPM (M <sup>3</sup> /HR)*	786 (178.6)	1549 (352.1)	2895 (658)
F & B, LIFE SCIENCES @90% UVT GPM (M <sup>3</sup> /HR)**	14 (3.18)	27 (6.14)	50 (11.36)
F & B, LIFE SCIENCES @98% UVT GPM (M <sup>3</sup> /HR)**	30 (6.8)	60 (13.6)	112 (25.5)
NUMBER OF UV LAMPS (MP)	1	2	4
<b>ELECTRICAL REQUIREMENTS</b>			
ELECTRICAL SUPPLY	240VAC/60Hz, SINGLE PHASE, 2 W + GND	240VAC/60Hz, SINGLE PHASE, 2 W + GND	480-277VAC/60Hz, 3 PHASE, 4 W + GND
OPERATING POWER (NOMINAL WATTS)	3250	6500	12480
BALLAST TYPE	ELECTRONIC		
CONTROLLER/DETECTOR	UV G400 SERIES		
UV VISION 2000	STANDARD		
LAMP STATUS INDICATOR	STANDARD		
LAMP OUT ALERT	STANDARD		
RUNNING TIME METER	STANDARD		
HAND OFF AUTO (HOA) 24VDC	STANDARD		
UV SENSOR	STANDARD		
CONTROL CABINET	NEMA 12		
CONTROL CABINET SYSTEM RATING	PAINTED CARBON STEEL (STAINLESS STEEL OPTIONAL)		
MATERIALS OF CONSTRUCTION	STANDARD		
ENCLOSURE HIGH TEMP WARNING	48 X 36 X 18 (129.2 X 914.4 X 457.2)		
CABINET DIMENSIONS - HXWXD INCHES (MM)	316L STAINLESS STEEL		
TREATMENT CHAMBER	Ra 32 (Ra 15 OPTIONAL)		
MATERIALS OF CONSTRUCTION	Water: 50° - 104° (10° - 40°) Ambient Air: 35° - 100° (2° - 38°)		
INTERNAL SURFACE FINISH	150 (10)		
OPERATING TEMPERATURE °F (°C)	6 (152.4)		
MAX. OPERATING PRESSURE PSI (BAR)	8 (203.2)		10 (254)
INLET/OUTLET FLANGE SIZE*** INCHES (MM)	STANDARD		
AUTOMATIC WIPER			

\* Dose Level: >60 mJ/cm<sup>2</sup> after 5,000 hours of operation. \*\* Dose Level: >2220mJ/cm<sup>2</sup> after 5,000 hours of operation.

\*\*\* ANSI class 150 flange.

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



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