

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 reduction of chlorine and chloramines.

SHOWN
ChloRid[®]
1L 12

INDUSTRIES | Food & Beverage,
Life Sciences

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



Aquafine's ChloRid[®] series for chlorine reduction utilizing MP lamp technology are the systems of choice for meeting the rigid quality standards of the Life Sciences and Food & Beverage markets.

MP LAMP TECHNOLOGY

Used effectively as a system for the reduction of chlorine and chloramines, medium-pressure (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.

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

APPLICATIONS | Chlorine/Chloramines Reduction

DESIGN CAPABILITIES | Custom Configurations

ChloRid[®] SERIES

Aquafine ChloRid[®] systems for chlorine reduction 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.

Consisting of a 316L stainless steel treatment chamber and a UL Type 3R stainless steel control cabinet, the ChloRid[®] series features a microprocessor-based controller and optional sanitary fittings and wiper. 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 cULus certified and CE pending.



Aquafine[®]
60 Years of Pure Quality

ChloRid® Series

High Performance UV Water Treatment System

Specifications:

Model: ChloRid®	1L 12	2L 12	4L 12
MAXIMUM FLOW RATE			
CHLORINE RED. @95% UVT GPM (M ³ /HR)*	28 (6.36)	55 (12.49)	105 (23.85)
CHLORINE RED. @98% UVT GPM (M ³ /HR)*	40 (9.09)	79 (17.94)	149 (33.84)
NUMBER OF UV LAMPS (MP)	1	2	4
ELECTRICAL REQUIREMENTS			
ELECTRICAL SUPPLY	208-240VAC 50/60Hz, SINGLE PHASE, 2 W + GND		480-277VAC 60Hz, 3 PHASE, 4 W + GND**
OPERATING POWER (NOMINAL WATTS)	3500	6500	12500
BALLAST TYPE	ELECTRONIC		
CONTROLLER/DETECTOR			
UV G400 CONTROLLER	STANDARD		
LAMP STATUS INDICATOR	STANDARD		
UV TEMPERATURE SWITCH 130°F (54°C)	STANDARD		
RUNNING TIME METER	STANDARD		
HAND / OFF / AUTO	STANDARD		
LIQUID LEVEL SWITCH	STANDARD		
UV SENSOR	STANDARD		
CONTROL CABINET			
CONTROL CABINET SYSTEM RATING	UL TYPE 12		
MATERIALS OF CONSTRUCTION	PAINTED CARBON STEEL (STAINLESS STEEL OPTIONAL)		
ENCLOSURE HIGH TEMP WARNING	STANDARD		
CABINET DIMENSIONS - HXWXD INCHES (MM)	48 X 36 X 18 (129.2 X 914.4 X 457.2)		
TREATMENT CHAMBER			
MATERIALS OF CONSTRUCTION	316L STAINLESS STEEL		
INTERNAL SURFACE FINISH	Ra 32 ELECTROPOLISH (Ra 15 OPTIONAL)		
EXTERNAL FINISH	ELECTROPOLISH		
OPERATING TEMPERATURE °F (°C)	Water: 50° - 104° (10° - 40°) Ambient Air: 35° - 100° (2° - 38°)		
MAX. OPERATING PRESSURE PSI (BAR)	150 (10)		
INLET/OUTLET FLANGE SIZE*** INCHES (MM)	2 (50), 3 (80), 4 (100), 6 (152)		
WIPER OPTION	AUTOMATIC		
SANITARY FITTINGS	OPTIONAL		
DIN FLANGES	OPTIONAL		

* Dose Level: >1,000 mJ/cm² after 5,000 hours of operation. **Additional voltages are available. ***ANSI class 150 flange.



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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.