

CHLORID® SERIES // HIGH PERFORMANCE UV SYSTEMS

Low footprint UV disinfection system for the reduction of chlorine and chloramines using medium-pressure lamp technology.



MODEL SHOWN: ChloRid 1L 12 // **INDUSTRIES:** Food & Beverage, Life Sciences // **FLOWRATES:** 14-50 GPM @ 90% UVT, 30-112G PM @ 98% UVT // **APPLICATIONS:** Chlorine/Chloramines Reduction // **DESIGN CAPABILITIES:** Custom Configurations

CHLORID SERIES

Our ChloRid systems for chlorine and chloramine reduction utilize medium-pressure (MP) lamp technology and are well suited for flow rates greater than 25 gpm. The system consists of a 316L stainless steel treatment chamber, a UL Type 3R stainless steel control cabinet with a microprocessor-based controller and optional sanitary fittings and wiper.

Our MP high intensity lamps reduce lamp count by 90 percent, helping to minimize footprint, downtime requirements as well as installation and maintenance costs.

With a reduced footprint, higher flow rates and state-of-the-art MP technology, the ChloRid series is an innovative, reliable and environmentally responsible alternative. All systems are cULus certified and CE pending.

The ChloRid® series are the systems of choice for meeting the rigid quality standards of the Life Sciences and Food & Beverage markets.

Lamp Technology

Used effectively 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, which makes them effective in inactivating microorganisms and reducing chemical compounds present in water.

Safe & Effective

UV disinfection is a chemical-free process that adds nothing to the water except UV light. It provides rapid, effective inactivation of microorganisms through a physical process. When bacteria, viruses and protozoa are exposed to the germicidal wavelengths of UV light, they are rendered incapable of reproducing and infecting. No carcinogenic disinfection by-products are created, and no transportation, storage or handling of toxic or corrosive chemicals is necessary.

Guaranteed Performance and Support Services

All of our systems come with a lifetime disinfection guarantee. Customer support is available from our Authorized Distributor Network and from our 24/7 Technical Service Group.

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

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Model: ChloRid	1L 12	2L 12	4L 12
MAXIMUM FLOW RATE			
CHLORINE RED. @ 95% UVT GPM (M ³ /HRI)*	28 (6.36)	55 (12.49)	105 (23.85)
CHLORINE RED. @ 98% UVT GPM (M ³ /HRI)*	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		
OPERATING POWER (NOMINAL WATTS)	3500	6500	12500
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 91.4 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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