

# CSL™ Series High Performance UV Systems

For 60 years, hospital and hotel installations worldwide, as well as Life Sciences and Microelectronic applications have relied on the quality and proven performance of Aquafine's CSL™ series.

SHOWN  
CSL™  
12R/60

INDUSTRIES | Food & Beverage, Life Sciences, Microelectronics

FLOWRATES: 40-260 GPM @ 94% UVT,  
50-315 GPM @ 99% UVT



The CSL™ series medium-flow models are engineered for indoor installation and controlled operating environments in numerous markets and applications.

#### APPLICATIONS

While Disinfection is the most common application for ultraviolet (UV) technology in water treatment, ozone destruction and TOC reduction are also common. After considering the appropriate variables, a properly designed and sized UV unit can be guaranteed and customized to suit your application needs, ensuring the integrity of the process and product.

#### UV TECHNOLOGY

The use of UV light technology for water treatment has several advantages. 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. It only imparts energy to the water stream in the form of ultraviolet radiation altering the DNA of microorganisms present and thereby destroying them.

APPLICATIONS | Disinfection, Ozone Destruction,

DESIGN CAPABILITIES | Multi-Unit Skid Systems

#### CSL™ SERIES

Aquafine CSL™ series features medium-flow models for numerous markets and applications. At 60 years, the series continues to be a popular choice, allowing features to be customized to customer specifications and industry requirements.

The CSL™ series consists of 316L stainless steel treatment chamber and a 304 stainless steel control panel in one integral unit. Complete with standard Lamp Status Indicator, the compact size maximizes installation flexibility and preserves floorspace. Single-ended (SE) lamps allow quick change-outs without tools. Upgrades for legacy models are available. CE rated for 240V only.

Flow rates are also available for other applications. For questions regarding your application needs, please contact your local Authorized Distributor or Aquafine Corporation for more information.



**Aquafine®**  
60 Years of Pure Quality

# CSL™ Series High Performance UV Water Treatment System

## Specifications:

Model: CSL™	4R	6R	8R	12R	8R 60	10R 60	12R 60
<b>MAXIMUM FLOW RATE</b>							
<b>DISINFECTION (@94% UVT) GPM (M<sup>3</sup>/HR)*</b>	40 (9)	60 (14)	80 (18)	130 (30)	166 (38)	215 (49)	260 (59)
<b>DISINFECTION (@99% UVT) GPM (M<sup>3</sup>/HR)*</b>	50 (11)	78 (18)	100 (23)	156 (36)	200 (46)	260 (59)	315 (72)
<b>NUMBER OF UV LAMPS (SINGLE-ENDED)</b>	4	6	8	12	8	10	12
<b>ELECTRICAL REQUIREMENTS</b>							
<b>ELECTRICAL SUPPLY</b>	120 or 240V/50-60Hz, SINGLE PHASE, 2 W + GND						
<b>OPERATING POWER WATTS</b>	190	265	370	540	590	730	865
<b>BALLAST TYPE</b>	ELECTRONIC						
<b>CONTROLLER/DETECTOR</b>							
<b>UV &amp; TEMPERATURE MONIT. SYSTEM</b>	OPTIONAL						
<b>LAMP STATUS INDICATOR</b>	STANDARD						
<b>LAMP OUT ALERT (LOA)</b>	OPTIONAL						
<b>RUNNING TIME METER</b>	STANDARD						
<b>HAND OFF AUTO (HOA)</b>	OPTIONAL						
<b>CONTROL CABINET</b>							
<b>CONTROL CABINET SYSTEM RATING</b>	NEMA 1						
<b>MATERIALS OF CONSTRUCTION</b>	304 STAINLESS STEEL						
<b>OVERALL DIMENSIONS INCHES</b>	40 X 10 X 23		44 X 11 X 28		68 X 11 X 28		
<b>MM</b>	1016 X 254 X 584		1118 X 280 X 712		1727 X 280 X 712		
<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: 50° - 100° (10° - 38°) Ambient Air: 50° - 110° (10° - 43°)						
<b>MAX. OPERATING PRESSURE PSI (BAR)</b>	120 (8) (150 (10) OPTIONAL)						
<b>INLET/OUTLET FLANGE SIZE** INCHES (MM)</b>	2 (50)		3 (80)		4 (100)		
<b>SANITARY FITTINGS</b>	OPTIONAL						

\* Dose Level: >30 mJ/cm<sup>2</sup> after 8,000 hours of operation for disinfection only.  
 \*\* ANSI class 150 flange.

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



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CE at 240V only 

