AQUAFINE

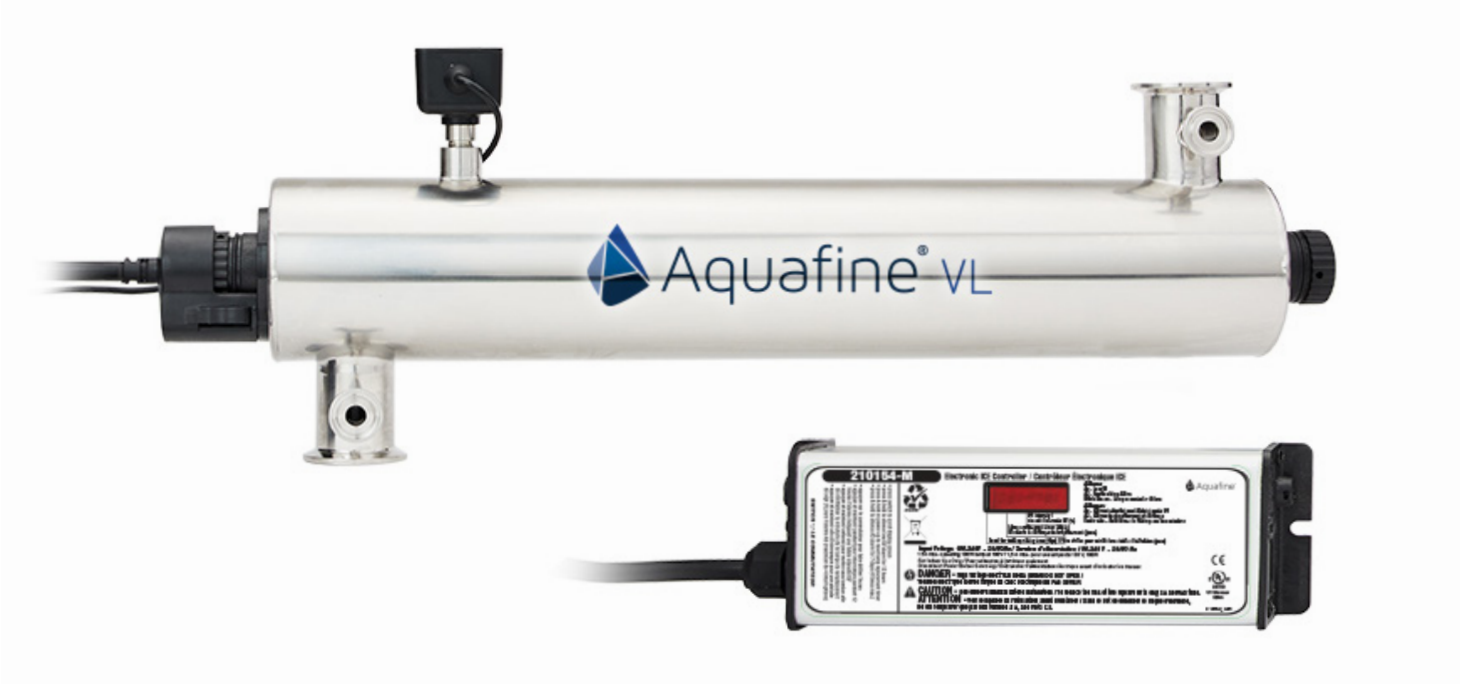
VL™ Series



Compact design and economical UV water treatment for low-flow Industrial applications

Aquafine®

Aquafine® VL



A Robust, Versatile and Cost-effective UV System

The Aquafine VL Series provides a compact design and economical ultraviolet (UV) water treatment for low-flow applications, such as laboratory and medical facility water, pharmaceutical make-up processes, final electronic component rinsing and recirculation loops.

The Aquafine VL Series has a compact footprint and versatile design. The VL base models come standard with many additional options available to meet your application requirements.

Aquafine VL Series inactivates *Escherichia coli* (*E. coli*) and fecal coliform. Aquafine VL Series is also used to reduce trace chemicals; ozone, chlorine, total organic carbon.

Features (Base Model)

- Sample ports
- Audible alarm
- Lamp status indicator
- Digital display of lamp days remaining
- High Output lamp technology
- Controller 100V to 240V
- 316L stainless steel treatment chamber
- Auxiliary Output (120 V)

Options

- NIST UV intensity monitor
- Sanitary Tri-Clamp connection
- Power Cord (NA, EU, AUS/NZ, UK)
- RA15 UV chamber interior finish

Applications

- TOC Reduction
- Ozone Reduction
- Microbiological Inactivation

Key Benefits

Aquafine VL

Compact footprint for installation flexibility. Can handle maximum flow capacity in minimal space. Its compact design allows it to be installed in restrictive spaces, thereby lowering installation costs.

High Output Lamp Technology. The High Output lamp technology efficiency allows for a more compact UV lamp and chamber, resulting in improved installation flexibility and small footprint – while maintaining the same level UV performance from a sizing perspective.

Flexible horizontal or vertical installations. Flexibility with an easily mounted controllers, allows for more installation placement options for the system, especially in tight spaces.

Quick and easy installation and service. S-Shaped Inlet and Outlet allows for a streamlined installation and direct access to the controller and lamp/sleeve makes for an easy maintenance and lamp replacement experience.

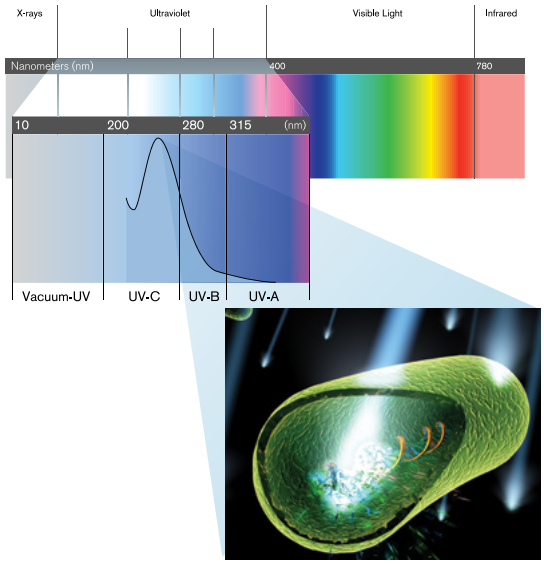
Suitable for sanitary applications. Meet high sanitary requirements with high-performance Viton O-rings on the base model and optional Tri-Clamp flange connections.

Robust feature set on base model. Includes sample ports, Viton O-ring, digital display of remaining lamp life in days, audible lamp replacement and fault alarms.

The Benefits of UV

Broad-spectrum, cost-effective protection

- Widely accepted and endorsed worldwide for treatment of drinking water
- Does not create treatment by-products and does not affect taste
- At approximately 1/5th the cost of ozone treatment and 1/10th the cost of membrane filtration, UV is the most cost-effective approach for multi-barrier treatment strategies
- The VL200-AD, VL200-ADS, VL200-TD, VL200-TDS, VL410-AD, VL410-ADS, VL410-TD, and VL410-TDS UV systems treat the following: *Cryptosporidium*, *Giardia*, *Escherichia coli* (*E. coli*) and fecal coliform
- The VL410-AT, VL410-ATS, VL410-TT, and VL410-TTS UV water systems break down the following trace chemicals: ozone, chlorine, total organic carbon



Aquafine® VL

	VL 200	VL 410	VL 410 TOC
GENERAL			
Treatment @ 94% UVT GPM (m³/hr)*	11 (2.5)	18 (4.1)	Contact for details
Treatment @ 99% UVT GPM (m³/hr)*	12 (2.7)	20 (4.5)	
Number of Lamps (LPHO)	1	1	1
Lamp operating power (W)	25W	46W	46W
Total operating power (W)	35W	60W	60W
UV CHAMBER			
Chamber Material	Type 316L Stainless Steel	Type 316L Stainless Steel	Type 316L Stainless Steel
Dimensions	45cm x 8.9cm (15" x 3.5")	60cm x 8.9cm (23.5" x 3.5")	60cm x 8.9cm (23.5" x 3.5")
Interior Surface Finish	RA32 (Option: RA15)	RA32 (Option: RA15)	RA32 (Option: RA15)
Inlet/Outlet Flange Size Inches (mm)	1" (25)	1.5" (37)	1.5" (37)
Inlet/Outlet Configurations	S-Shape	S-Shape	S-Shape
IP Rating	33	33	33
CONTROLLER			
Lamp replacement countdown in days	Yes	Yes	Yes
Audible lamp replacement/fault alarm	Yes	Yes	Yes
Aubible low UVI alarm	Yes (sensor only)	Yes (sensor only)	Yes (sensor only)
Aux Output (Lamp Out Alert)	Yes	Yes	Yes
Dimensions (monitored) (HxWxD) in inches (cm)	22.3cm x 8.1cm x 6.4cm (8.8" x 3.2" x 2.5")	22.3cm x 8.1cm x 6.4cm (8.8" x 3.2" x 2.5")	22.3cm x 8.1cm x 6.4cm (8.8" x 3.2" x 2.5")
Dimensions (non-monitored) (HxWxD) in inches (cm)	17.2cm x 8.1cm x 6.4cm (6.8" x 3.2" x 2.5")	17.2cm x 8.1cm x 6.4cm (6.8" x 3.2" x 2.5")	17.2cm x 8.1cm x 6.4cm (6.8" x 3.2" x 2.5")
IP Rating	54	54	54
OTHER			
Standard Elastomers	Viton	Viton	Viton
OPERATING CONDITIONS			
Min and Max Water Temperature Range	2-40°C (36-104°F)	2-40°C (36-104°F)	2-40°C (36-104°F)
Max Operating Pressure PSI (BAR)	125 (8.6)	125 (8.6)	125 (8.6)

*Dose Level: 30 mJ/cm² after 9,000 hours of operation.

Guaranteed Performance and Support Services

All of our systems come with a lifetime performance warranty.

Contact: Lenntech - info@lenntech.com

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