

STERLING

WATER TREATMENT

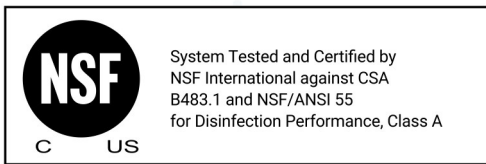
- Validated Performance
- Independently Certified for Primary Disinfection

Class A UV Series



PRODUCT FEATURES

- Class A UV systems independently validated and certified.
- With a higher wattage output than standard or class B UV's, these class A systems are rated for primary level contamination.
- True 254nm Teflon® based UV sensor measures continuously, displaying UV intensity as a % – standard on UVL-8-A / UVL-18-A units ONLY.
- Colored screen controller displays diagnostics, current system status and system warnings.
- Expandability port for future upgrades and options.
- Axial flow, stainless steel polished reactors, designed & manufactured to ASME pressure vessel standards.
- Simple lamp changes.
- Reliable, industry proven, proprietary low pressure coated UV lamps with ceramic bases for durability and long life.



PARAMETER	LEVEL
Hardness	< 7 gpg
Iron (Fe)	< 0.3 ppm
Manganese (Mn)	< 0.05 ppm
Tannins	< 0.1 ppm
Turbidity	< 1 NTU
Transmittance	< 75% UTV

CONDITIONS FOR USE

Your system will provide years of use provided the system is maintained on a regular basis as per the specifications outlined in the Owner's Manual. For the system to perform as tested, the following water quality parameters must be met.

For levels outside those specified in the table above, please contact the factory for further technical assistance.



NSF STANDARD 55, CLASS A—EQUIPMENT SPECIFICATIONS

MODEL	UVL-8-A	UVL-18-A
NSF Class A Flow Rate (40mJ/cm ² @ 70% UTV)	7.9 GPM	18.0 GPM
	1.79 m ³ /hr	4.08 m ³ /hr
Flow Restrictor	Integral	
Port Size	1"MNPT	1 ½"MNPT
Electrical	110 v/50-60HZ	
Lamp Watts	67	101
Power (Watts)	73 (72 @ 230V)	115 (108 @ 230V)
Maximum Current (amps)	1	1
Replacement Lamp	RL-600HO	RL-950HO
Replacement Sleeve	RQ-600	RQ950
Replacement UV Sensor	RSHO-B3.5V	RSHO-B3.5V
Chamber Material	Polished 316L Stainless Steel, A249 pressure rated tubing	
Reactor Dimensions	3.5" x 26.9"	3.5" x 40.7"
Controller Dimensions	8.6" x 4.2" x 4"	
Operating Pressure	10-150 psi	
Operating Water Temp.	36-104°F	
UV Monitor	YES	
Shipping Weight	16.1 lbs	21.6 lbs.

Lamp Life:

UV lamps are rated for 9000 hours (10000 hours for all LBH6 systems) of continuous use (one-year of operation).

General Operation and Maintenance:

UV lamps are to be replaced on an annual basis (9000 hours for UVL-8-A systems and 10000 hours for UVL-18-A systems). Quartz sleeves and UV sensors are to be cleaned every 6-12 months and replaced every 5 yrs.

This Class A system conforms to NSF/ANSI 55 for the disinfection of microbiologically contaminated water that meets all other public health standards. The system is not intended to convert wastewater or raw sewage to drinking water. The system is intended to be installed on visually clear water.

NSF/ANSI 55 defines wastewater to include human and/or animal body waste, toilet paper, and any other material intended to be deposited in a receptacle designed to receive urine and/or feces (blackwaste), and other waste materials deposited in plumbing fixtures (greywaste).

If this system is used for the treatment of untreated surface waters or ground water under the direct influence of surface water, a device found to be in conformance for cyst reduction under the appropriate NSF/ANSI standard shall be installed upstream of the system.

While testing was performed under standard laboratory conditions, actual performance may vary.

The systems and installation shall comply with applicable provincial/state and local regulations.

