



ATS Ultraviolet Disinfection System

B
Series SL-8V

Providing Better Water For Better Living.

ATS Ultraviolet Disinfection System

The ATS Ultraviolet Disinfection System is an effective way to provide bacteria free water for your home or industry 24 hours a day, 7 days a week. Today's Ultraviolet Disinfection Systems are setting the standards for water disinfection requirements in the water treatment industry.

Facts and Benefits of U.V.

U.V. disinfection is environmentally and user friendly, with no dangerous chemicals to handle, store, or risk overdosing. With only two water connections and a power cord, installation is made easy. The SL-8V system is an extremely economical unit, where hundreds of gallons of water may be treated for each penny of your operating cost. Periodic cleaning and annual lamp replacements keeps your system working like new, and with no moving parts to wear out you can rely on your system to provide your entire home or business with bacteria free water.



SE Accessory



Solenoid- *Optional fail safe shut-off valve.
(To be used with U.V. Monitor System)*



Series SL-8V

How Ultraviolet Disinfection Works

When bacteria, viruses, and other microorganisms are exposed to Ultraviolet light at a particular wavelength (253.7 nanometers) their reproductive capabilities are destroyed, which means that they are inactivated and no longer pose a threat to human health.



Water enters the unit through the inlet port of the Ultraviolet generator cell.

The water flows through the generator cell and swirls around a low pressure mercury vapor lamp, which emits powerful Ultraviolet light energy. Vital genetic components contained in microorganisms absorb the light, and ultimately destroying the organism.

The treated water then exits through the outlet port of the generator cell and is ready for consumption.

Easy to Clean and Maintain

The U.V. lamp is rated for 9,000 hours of continuous use. After this period of time, the U.V. lamp has undergone a photochemical change. While the lamp will not normally be burned out, it may no longer emit the 254 nm shortwave U.V. to effectively kill bacteria. (See your owners manual for U.V. lamp replacement procedures).

As water passes through the U.V., minerals, debris and other matter in the water may deposit onto the quartz sleeve. A minimum of once yearly is standard recommendation for quartz sleeve cleaning and U.V. lamp replacement. (See your installation and operation manual for Quartz Sleeve cleaning procedures).

Safeguard Your Water



Your water may look clean and clear, but it could still contain harmful microorganisms; E-coli, cholera, typhoid fever, mold, coliform, yeast, dysentery, and other viruses. ATS Ultraviolet Disinfection destroys such waterborne microorganisms, leaving your homes water clean and bacteria free, without having to use chlorine or

dangerous chemicals. Keep in mind that U.V. is most effective when the water has been pre-treated with another filtration system. This is because pre-filters remove large particles, water cysts, odors and tastes. These impurities can interfere with the transmission of U.V. energy.

Ultraviolet Disinfection Facts

1. U.V. is more effective against viruses than chlorine.
2. U.V. is environmentally and user friendly, with no dangerous chemicals to handle or store, no risks of overdosing.
3. U.V. is extremely economical, hundreds of gallons may be treated for each penny of operating costs.
4. U.V. treatment does not change the taste, odor, pH, or conductivity nor the general chemistry of the water.
5. U.V. systems are easy to install with only two water connections and a power cord.
6. U.V. systems are compatible with all other water treatment products; R.O. filtration, water conditioning, and softening.
7. U.V. systems are easy to maintain with periodic cleaning, and annual lamp replacement.
8. U.V. systems operate with no moving parts to wear out, making them one of the most effective and durable water treatment systems on the market.

SL-8V Specifications

Model #	Max. Flow GPM	No. Lamps	KW @ 120V	AMP @ 120V	Pipe Size	Overall Dimensions L x W x D	Wetted Material	Shipping Weight
SL-8V	8	1	0.03	0.25	3/4" MIP	21" x 5" x 5"	304 SS Tubing	21 Lbs.

Manufacturer

Aqua Treatment Service, Inc.
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Dealer