



ATS Ultraviolet Disinfection Systems

Series SE-7, 15, 24

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.





Series SE-7, 15, 24

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.

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).

SE Accessories



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



U.V. Monitor- U.V. dosage metering device. This optional true U.V. Monitor reads only the 254-nm intensity output of the ultraviolet light within the U.V. treatment chamber.



Lamp Out Circuit Board- This series is equipped with an on board solid state current detection device that has an audible alarm and a solenoid relay normal open (NO) or normal close (NC).

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.

SE - 7, 15, 24 Specifications

Model #	Max. Flow GPM	No. Lamps	KW @ 120V	AMP @ 120V	AMP @ 220V	Pipe Size	Overall Dimensions L x W x D	Wetted Material	Shipping Weight
SE-7	7	1	0.05	0.4	0.2	3/4" MIP	18" x 5" x 7"	304 SS Tubing	19 Lbs.
SE-15	15	1	0.07	0.6	0.3	3/4" MIP	36" x 5" x 7"	304 SS Tubing	28 Lbs.
SE-24	24	2	1.3	1.3	0.6	1 1/2" FIP	36" x 10" x 7"	304 SS Tubing	45 Lbs.

Manufacturer

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Dealer