

# Ultraviolet Water Disinfection Systems

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Ultraviolet light water disinfection systems are an effective way to provide yourself with bacteria free drinking water, without the taste and odor from the use of chlorine and other chemicals. The function of a UV system is to disinfect in excess of 99% of the water born pathogenic bacteria. Ultraviolet disinfection units are designed to destroy micro-organisms in water supplies. The UV Ultraviolet lamp peak radiation of 254 nanometer wavelength (nm) destroys or inactivates the D.N.A. ( deoxyribonucleic acid ) which absorbs the ultraviolet radiation. Germicidal Disinfection units meet minimum dosages of 30,000 microwatt second per square centimeter.

Maximum concentration levels before Ultraviolet are **Turbidity of 5 NTU – Color is None – Manganese of 0.05 ppm – Hardness of 7 gpg – Iron of 0.3 ppm – pH of 6.5 to 9.5 ppm.**

The UV lamp is rated for 9,000 hours of continual use. After that period of time, the UV lamp has undergone a photochemical change. While the lamp will not normally be burned out, the lamp quartz may no longer emit the 254 nm shortwave UV to effectively kill bacteria. **Failure to replace the UV lamp after 9,000 hours, may cause a bacteriological breakthrough.** In units ran intermittently instead of continuously, the lamp must be changed after 24 months of use, regardless of the hours of use.



## UVSL8 Safe Lite Economy Ultraviolet Disinfection System

**\$ 445.00** The UVSL8 Ultraviolet water treatment system treats up to 8 gpm of water flow and is our most economical residential UV unit. The chamber is electro-polished Type 304 stainless steel. The UVSL8 water treatment unit is powered by a wall mounted ballast with a lamp on indicator and has an 8 gpm flow control to insure total treatment and disinfection of water flowing through the unit. The quartz sleeve is intended to be placed through the disinfection chamber and will slightly protrude through the threaded nipple. The ultraviolet lamp is placed within the quartz sleeve. The UV light shines through the specially designed hard quartz sleeve for maximum disinfection efficiency to meet the requirements for bacteria reduction in potable water.

**\$ 82.00** UVB4450 UV Lamp for Mdl UVSL8

**\$ 52.00** UVQS476D UVSL8 Replacement Quartz Sleeve



UV15SE

## UV15SE 15 gpm Standard Series Ultraviolet System w/alarm

**\$ 835.00** The UV15SE ultraviolet water treatment unit treats up to 15 gpm of water flow. The treatment chamber is electro-polished Type 304 stainless steel and is designed for wall mounting. The UV unit has a sight port for safe viewing of the operation of the UV unit. A 15 gpm flow control valve is furnished to assure treatment of the entire water flow. The UV15SE has an electronic "lamp out" circuit board that provides a visual and audible alarm when a lamp outage occurs. The UV15SE unit also has an ON/OFF indicator light. The unit has an auxiliary output terminal for connection of an optional solenoid, which can shut off the water flow if the light fails.

**YOU CAN COMBINE THESE UV SYSTEMS WITH OTHER ITEMS IN OUR CATALOG TO QUALIFY FOR OUR \$ 1,000.00 FULL FREIGHT PREPAID ORDER POLICY**