

UV SERIES Ultraviolet Systems



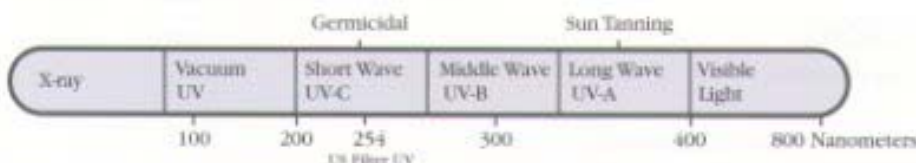
Ultraviolet light has long been known to be an effective disinfectant. Correct exposure to the right wavelength and intensity of UV light destroys the bacteria which may be present in a water supply and may break away from a dirty filter. It will also destroy other micro-organisms, such as viruses, fungi and algae, which

are not touched by normal concentrations of chlorine. These may be harmful to people, animals and plants.

Independent laboratory tests have determined that the following dosages of germicidal ultraviolet energy are necessary for 99.9 percent destruction of various micro-organisms.

Micro Organism	Type	Ailment Caused	Energy-microwatt seconds/cm ² to destroy
Streptococcus	Bacteria	Strept throat	3,800
Dysentery Bacilli	Bacteria	Diarrhea	4,200
S. paratyphi	Bacteria	Paratyphoid Fever	6,100
Influenza	Virus	Flu	6,600
Staphylococcus	Bacteria	Boils	6,600
Fecal Coliform	Bacteria	Diarrhea	6,600
Polio Virus Type 1	Virus	Polio	7,000
Salmonella	Bacteria	Food Poisoning	10,000
Pseudomonas aeruginosa	Bacteria	Skin Infection	10,500
Legionella	Bacteria	Legionnaires Disease	12,300
S. Typhi	Bacteria	Typhoid Fever	15,200

NOTE: UV lamp dosage equals 16,000 microwatts per square centimeters.



Cartridge Specifications and Performance Data

Model	Dimensions	Voltage	Hertz	Recommended Flow Rates	Maximum Operating Pressure
UV-110-1*	5-1/2" x 15-1/2" (140 mm x 394 mm)	120	60	2 gpm (7.6 lpm)	65 psi (4.4 bar)
UV-110-2*	5-1/2" x 15-1/2" (140 mm x 394 mm)	220	50	2 gpm (7.6 lpm)	65 psi (4.4 bar)
UV-120-1	5-1/2" x 25-1/2" (140 mm x 648 mm)	120	60	8 gpm (30.3 lpm)	65 psi (4.4 bar)
UV-120-2	5-1/2" x 25-1/2" (140 mm x 648 mm)	220	50	8 gpm (30.3 lpm)	65 psi (4.4 bar)
UVBB-120-1	7" x 29" (178 mm x 737 mm)	120	60	15 gpm (56.8 lpm)	65 psi (4.4 bar)
UVBB-120-2	7" x 29" (178 mm x 737 mm)	220	50	15 gpm (56.8 lpm)	65 psi (4.4 bar)

* Supplied with a carbon block filter cartridge which reduces sediment, bad taste and odor.

Materials of Construction

- Housing Polypropylene
- Cap Polypropylene
- UV Sleeve Quartz
- O-Ring Buna-N
- Temperature Rating 40° to 100°F (4.4° to 149°C)
- Reaction Chamber Stainless Steel
(20" models only)

WARNING: Do not use where the water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the system.

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