

Ultraviolet Water Purifiers

Commercial and Industrial Units



So~Safe Ultraviolet Water Purifiers

So~Safe Ultraviolet (UV) Systems provide 50,000 $\mu\text{w sec / cm}^2$ energy to guarantee 99.99% sterilization. This ensures effective control of microbial contamination. This sterilization is accomplished by scrambling DNA structures of the micro-organisms on exposure to ultraviolet light. UV sterilization is accomplished without the use of Chlorine or other harsh chemicals and without imparting any foreign taste, odor, corrosive, irritation and allergenic properties to water. It is regarded as the world's simplest and most practical means of destroying pathogenic (disease causing) micro-organisms in water.

Advantages of Ultraviolet Disinfection

- No chemicals
- Virtually impossible to overtreat with UV
- Low power consumption
- No hazardous disinfectant chemicals
- No alteration of taste or water quality
- Low maintenance
- Enhances overall system performance



Technical Specifications

MODEL No.	FLOW RATE GPM	GPH	INLET AND OUTLET SIZE	POWER CONSUMPTION	UNIT LENGTH	DIMENSIONS (INCHES)	
						WIDTH	HEIGHT
UVM 9311	3	180	3/4" NPT	14 WATTS	15½"	5½"	6"
UVM 9322	8	480	3/4" NPT	25 WATTS	25"	5½"	6"
UVM 870	12	720	1½" NPT	40 WATTS	39½"	15"	7½"
UVM 871	24	1440	1½" NPT	80 WATTS	39½"	17"	9½"
UVM 12 GSS	12	720	1" NPT	39 WATTS	36½"	4"	8"
UVM 24 GSS	24	1440	1½" NPT	50 WATTS	49½"	4"	8"

- Higher flow rates are also available.
- All inlets and outlets are Male pipe threads.
- Total power consumption is inclusive of Ballast loss.
- Maximum recommended operating pressure for all purifiers is 100 psi.
- Pressure drop at maximum recommended flow rate is 5 psi or less.
- All data shown above is for 220V - 50 Hz.

Options

- Time Delay Mechanism
- Solenoid Shut-Off Valve
- Audio Alarm
- UV Intensity Meter
- 110V - 60 Hz or 12 Volts DC

FUSED QUARTZ SLEEVE

All UV lamps are protected in a pure fused quartz sleeve to ensure optimum lamp output under normal potable water conditions.

Lamp Specifications

Regular Lamp Output : 30,000 $\mu\text{w sec / cm}^2$
 Gold Lamp Output : 50,000 $\mu\text{w sec / cm}^2$
 Lamp Life : 10,000 hours
 Wave Length : 254 nm

So~Safe Water Purifiers have proven effective in countless domestic, commercial and industrial applications around the world for over 30 years.

