

Culligan's COMMERCIAL & RESIDENTIAL ULTRAVIOLET WATER PURIFIERS PERFORMANCE

- PROVIDES OVER 30,000 MICROWATT SECONDS PER SQUARE CENTIMETER OF 2537-ANGSTROM WAVELENGTH (254 NANOMETERS) OF ULTRAVIOLET ENERGY ACROSS FLUID MEDIUM FOR POSITIVE 99.9% KILL OF CONTAMINATION MICROORGANISM.
- LOW POWER CONSUMPTION.
- PRESSURE DROP AT RATED FLOW LESS THAN 1 PSIG.
- DESIGN PRESSURE 150 PSIG.
- OPERATING PRESSURE 125 PSIG.
- CHAMBER DESIGNED TO PREVENT LAMINAR FLOW OF WATER AND TO MAXIMIZE TURBULENCE AND MICROORGANISM DESTRUCTION.
- EACH UV LAMP IS PROTECTED IN A HIGH TRANSMISSION PURE FUSED QUARTZ SLEEVE FOR PEAK DOSAGE.



THE INTELLIGENT DISINFECTION CHOICE

Ultraviolet Radiation: Ultraviolet (UV) light is invisible radiation within a range of the solar spectrum.

UV is similar to the wavelengths that are produced by visible light, but much shorter. UV radiation is measured in millionths of a millimeter, i.e., Angstrom units.

Ultraviolet lamp radiation of 2537 Angstrom units (or 254 nanometers) wavelength must hit the microorganism to inactivate it, and each microorganism must absorb a specific amount of energy to be destroyed.

The intensity of ultraviolet is expressed in MICROWATT-seconds per square centimeter and is the product of the lamp output in watts, the length of time of exposure and volume of water being treated. Most water-borne pathogenic (disease-causing) microorganisms are destroyed under 10,000 MW Sec./cm².*

* See Technical Bulletin Table I for UV energy levels required for the destruction of various Microorganisms

STANDARD FEATURES

- S/S REACTOR VESSEL
- S/S COVER
- 254 NM UV LAMP
- PURE FUSED QUARTZ
- GROUNDED PLUG
- ALUMINUM COMPRESSION NUTS
- UL COMPONENTS
- ELECTROPOLISHED

OPTIONS

- UV INTENSITY MONITOR
- SANITARY CONNECTIONS
- 316 STAINLESS STEEL
- CUSTOM DESIGN
- HIGH TEMPERATURE DESIGN
- RUNNING TIME METER

NOTE: CONSULT FACTORY FOR PRICING

Form: 0012

MODEL NUMBER	FLOW RATE CAPACITY		LAMP TYPE	NUMBER OF LAMPS	INLET OUTLET SIZE	MATERIAL
	FRESH WATER	HIGH PURITY				
IJ - 7	5 GPM	7 GPM	254 NM	1	3/4" NPT	304 SS
IJ - 15	12 GPM	15 GPM	254 NM	1	3/4" NPT	304 SS
IJ - 30	24 GPM	30 GPM	254 NM	2	1-1/2" NPT	304 SS
IJ - 50	40 GPM	50 GPM	254 NM	4	2" NPT	304 SS



better water. pure and simple.™

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