ULTRAVIOLET STERILIZERS

LIGHTMATCH 100 Series

Safe and Clean Water System by the LIGHTMATCH 100 series Disinfection Systems

Safe

The LIGHTMATCH 100 series systems virtually eliminate microbiological contaminants without using potentially hazardous chemicals. Bacteria, viruses and other microbiological organisms are destroyed safely inside a factory tested stainless steel cell. The LIGHTMATCH 100 series adds nothing to your water except cleaning ultraviolet light;

Nature's Way...

Applications

The ultraviolet methods of microbiological eradication is commonly used for:

+ Farms
+ Homes
+ Cottages
+ Hospitals
+ Restaurants
+ Hotels
+ Schools
+ Beauty Shops
+ Greenhouses

How it Works

Water enters through the bottom port of the ultraviolet generator cell and swirls around a low pressure mercury vapor lamp, which emits powerful ultraviolet light energy at 235.7 nm wave length. Vital genetic components contained in micro-organisms absorb the light energy; this disrupts the DNA and prevents reproduction. Treated water then exits through the top port of the generator cell and is ready for consumption.

And many more applications-
The LightMatch 200 series system protects your water;
Nature's Way...

EnviroMatch, Inc. ®

Water and Wastewater Treatment Systems

ULTRAVIOLET STERILIZERS

LIGHTMATCH 100 Series

STANDARD FEATURES - ALL MODELS

- High output low pressure mercury vapor lamps with high isolation pin design.
- Easy servicing no need to disconnect water flow to change UV lamp.
- Open end quartz sleeves and aluminum gland nuts for optimum operating temperature and sealing efficiency.
- Remote plug-in and desktop ballast with LED lamp-out indicators.
- 99.9% destruction of bacteria and viruses at rated flow.
- Natures way to protect your water without the addition of harmful chemicals.
- Includes mounting clamp.
- Maximum operating pressure: 100 psi
- Ambient temperature: 2-40° C
- Quartz sleeve is included in all models

DELUXE MODELS FEATURES

- **UV Monitor**   a true 254 nm ultraviolet sensor incorporating individual calibration boards (allows for field replacement of sensor only, if necessary) audible and visual indicators included as integral components.
- **Solenoid Output**   works in conjunction with the ultraviolet alarm allowing for the stoppage of water flow in the event that the sensor senses that the water is not adequately being treated or in case of a power failure to be used in conjunction with optional normally closed solenoid valves (order separately).
- **Infrared Output**   allows for remote monitoring as well as a diagnostic tool for service technicians. (microcontroller incorporated into the circuitry to keep track of actual UV output, elapsed running time, and other diagnostic measurements). For remote audible and visual monitoring of the UV sensor

Specifications		LM1-02	LM1-03	LM1-06	LM1-08	LM1-12	LM1-15
Flow rate (gpm)		2	3	6	8	12	15
Inlet / Outlet Size		1/2" MNPT	1/2" MNPT	1/2" MNPT	3/4" MNPT	1" MNPT	1" MNPT
Electrical	Volts	100-240V / 50-60Hz					
	Walts	15W	16W	22W	31W	42W	68W
	Lamp watts	14W	15W	21W	29W	40W	65W
Chamber Material		304SS or 316LSS					
Lamp Failure System	Visual	YES	YES	YES	YES	YES	YES
	Audible	YES	YES	YES	YES	YES	YES
Control Base		NO	NO	NO	NO	NO	NO
254 nm UV Monitor		NO	NO	NO	NO	NO	NO
Hour Meter		NO	NO	NO	NO	NO	NO
Temperature Alarm		NO	NO	NO	NO	NO	NO
Lamp Design Hours		10000	10000	10000	10000	10000	10000
Dimensions L x W x H (mm)		350 x 85 x 110	370 x 85 x 110	550 x 85 x 110	700 x 85 x 110	930 x 85 x 113	930 x 85 x 113

* Specifications are subject to change without notice

Metric Units	Flowrate (m³/hr) = GPM / 4.4	Pressure (bar) = PSI / 14.5	Weight (Kg) = lbs / 2.2	Dimensions (mm) = inch x 25.4

The flow rate are based on 30mj/cm2 dosage, For more information ,Please contact us!

Deluxe models should be specificated the option equipments

Exclusive Agent: