ULTRAVIOLET STERILIZERS

LIGHTMATCH 200
Series

Safe and Clean Water System by the LIGHTMATCH 200 series Disinfection Systems

Safe

The LIGHTMATCH 200 series virtually eliminate microbiological contaminants without using potenially hazardous chemicals. Bacteria, viruses and other microbiological organisms are destroyed safely inside a factory tested stainless steel cell. The LIGHTMATCH 200 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
+ Cottages
+ Restaurants
+ Hospitals

+ Homes
+ Greenhouses
+ Schools
+ Hotels

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...

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 & aluminum gland nuts for optimum operating temperature & sealing efficiency
+ Remote plug-in and desktop ballast with LED lamp-out indicators.
+ 99.9% destruction of bacteria and viruses at rated flow.
+ Nature' s 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.

EnviroMatch, Inc. ®
Water and Wastewater Treatment Systems

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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. (micro-controller 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.

DELUXE MODELS OPTIONS

- **UV intensity Monitor**   detects the 254 nm wavelength and displays the intensity level via a panel meter as well as audible and visual alarm indicators including as output plug for remote UV monitoring.
- **High Panel Temperature Alarm** gives an audible and visual alarm to indicate if the temperature inside the control panel rises above a preset maximum.
- **High Chamber Temperature Alarm**   gives an audible and visual alarm to indicate if the temperature inside the reactor chamber rises above a preset maximum.

Specifications		LM2-02	LM2-03	LM2-06	LM2-08	LM2-12	LM2-15	LM2-20	LM2-24	LM2-35	LM2-45
Flow rate (gpm)		2	3	6	8	12	15	20	24	35	45
Inlet / Outlet Size		1/2" MNPT	1/2" MNPT	3/4" MNPT	3/4" MNPT	1" MNPT	1" MNPT	1-1/2" MNPT	1-1/2" MNPT	2" MNPT	2" MNPT
Electrical	Volts	100-240V / 50-60Hz									
	Watts	15W	16W	22W	31W	42W	68W	68W	84W	105W	126W
	Lamp watts	14W	15W	21W	29W	40W	65W	65W	80W	100W	120W
Chamber Material		304SS or 316LSS									
Lamp Failure System	Visual	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	Audible	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Control Base		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
254 nm UV Monitor		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Hour Meter		YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Temperature Alarm		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Lamp Design Hours		10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
Dimensions L x W x H (mm)		423x128x194	423x128x194	553x128x207	703x128x207	933x145x230	933x145x230	934x180x273	934x180x273	1229x180x273	1229x180x273

* 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

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