



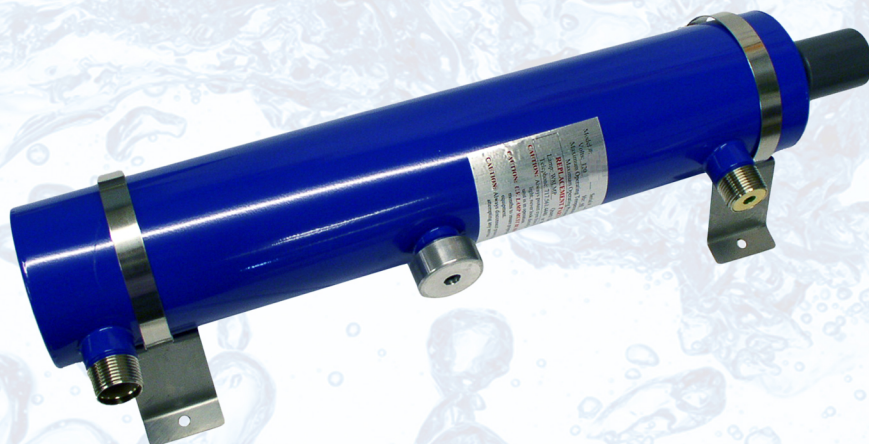
WATER GEM, INC.

ULTRAVIOLET DISINFECTION SYSTEMS

Ultraviolet disinfection systems designed for private and public potable water requirements.

APPLICATIONS

- Point of Entry
- Residential Household
- Drinking Water Systems



FEATURES

- UV dose is 30,000uws/cm2 at end of lamp life
- 254nm ultraviolet wavelength for disinfection
- Low pressure high intensity output UV lamps
- 9000 hour lamp life
- Low power consumption
- 120VAC (+ 10%) 50/60 Hz
- Heavy duty 304 stainless steel
- Built in view port / UV sensor port
- Built in flow control

EASY MODEL SELECTION PROCESS

All Water Gem series UV chambers and power control boxes are interchangeable. Simply select the flow rate and then determine the monitoring capabilities with desired alarm features from three different power supply designs.

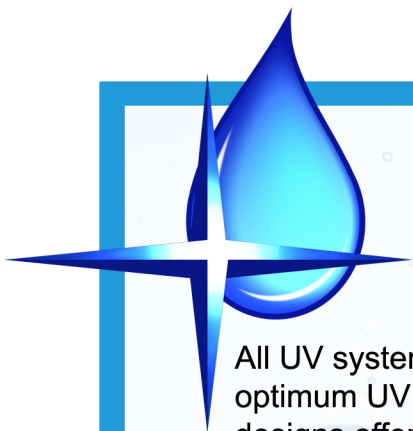
SAFE UV SYSTEM DOSAGE

The Water Gem series UV systems provide UV energy safely and effectively destroying waterborne disease-causing microorganisms. All models produce UV energy at rated flows, which meet and exceed local, federal, state and NSF standard 55 UV dosage guideline requirements.

(See technical specifications for complete flow and dose levels.)

UV CHAMBERS

Water Gem chambers provide maximum water exposure to UV light energy. Each unit utilizes the same UV lamp connector assembly and quartz gland nut fittings. All come standard with a UV view port that readily converts to a UV sensor port when using the ES UV meter control box.



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All UV system power supplies are electronically matched to the UV lamp. This insures optimum UV energy output from the UV lamp into the water stream. Three power supply designs offer a selection in monitoring and alarm features to meet entry level to full fail-safe system requirements.

E VERSION

The E version is an electronic ballast with a built-in LED to signify that the lamp is on and operational. Should the UV lamp go out for any reason the power supply will sound with an audible alarm.

*Note: Add - E suffix to model number when ordering

EA VERSION

The EA version is an electronic power supply box with both visual and audible alarm monitoring circuitry. This design includes a power on/off safety switch, UV lamp operational status, automatic UV lamp replacement reminder and UV lamp out alarm. There is a built-in normally closed solenoid valve plug-in connection. This ballast provides 120 volt, 50/60 hz.

*Note: Add - EA suffix to model number when ordering.



EA VERSION

ES VERSION

The ES version is an electronic power supply box with both visual and audible alarm monitoring circuitry. This design includes a power on/off switch, continuous UV lamp intensity digital read out, low UV intensity alarm, UV lamp operational status, automatic UV lamp replacement reminder and UV lamp out alarm. There is a built-in normally closed solenoid valve plug-in connection. This ballast provides 120 volt, 50/60 hz.

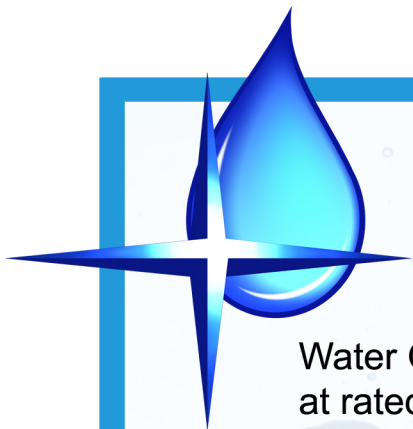
*Note: Add - ES suffix to model number when ordering.



ES VERSION

EASY TO INSTALL AND MAINTAIN

Water Gem UV systems install vertically or if needed can be installed horizontally. Install the system after the pressure tank and any other water treatment devices, such as softeners or filters and before the first point of potable water use. Convenient mounting brackets and straps are included. The UV lamp can easily be changed out without the need to depressurize the system.



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Water Gem recommends a minimum UV dose of 30,000usw/cm2 at rated flow.

TECHNICAL SPECIFICATIONS						
	UV DOSE AT RATED FLOW CLEAR FRESH WATER *					
MODEL NUMBER **	30,000 USW/CM2 GPM	INLET/ OUTLET SIZE	BULB HOURS	MAX WORKING PRESSURE	CHAMBER DIMENSIONS IN INCHES	APPROX. SHIPPING WEIGHT
W8**	8 GPM	3/4"	9000	100 psi	3.5 x 17.5	10 lbs.
W10**	10 GPM	3/4"	9000	100 psi	3.5 x 17.5	13 lbs.
W12**	12 GPM	3/4"	9000	100 psi	3.5 x 27.25	14 lbs.
W15**	15 GPM	3/4" or 1"	9000	100 psi	4 x 32.25	16 lbs.

*20 gpm with 1" inlet/outlet is available upon request

** Add E, EA, ES power supply designation to above model numbers when placing orders.

Our UV monitors have a 254nm calibrated probe that verifies the UV transmission of the unit. It also has an optional solenoid relay to shut the unit off to protect against contamination. It guards against diminished transmission due to quartz fouling, turbidity in the water or reduction of lamp output.

ULTRAVIOLET POWER SUPPLY SELECTION GUIDE

FEATURES	E	EA	ES
Lamp Status Advisor	X	X	X
Audible Alarm	X	X	X
Lamp Out Advisor	X	X	X
Replace Lamp in 30 Days Advisor		X	X
Normally Closed Solenoid Valve Connection		X	X
Safety ON/ Off Switch		X	X
UV Intensity Display			X
Low UV Intensity Advisor			X



WATER GEM, INC.

Water Gem stocks all UV lamps and replacement parts for all Water Gem brand UV equipment.
We also stock UV lamps and replacement parts for most all manufactured UV equipment.

PART #	QTY	DESCRIPTION
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WATER GEM PARTS LIST FOR W8

W8LMP	1	UV Lamp
W8QS	1	Quartz Sleeve
WG-9200	1	O-Ring
2-1263B	1	Gland Nut

PART #	QTY	DESCRIPTION
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WATER GEM PARTS LIST FOR W10

W8LMP	1	UV Lamp
W8QS	1	Quartz Sleeve
WG-9200	1	O-Ring
2-1263B	1	Gland Nut

PART #	QTY	DESCRIPTION
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WATER GEM PARTS LIST FOR W12

W12LMP	1	UV Lamp
W12QS	1	Quartz Sleeve
WG-9200	1	O-Ring
2-1263B	1	Gland Nut

PART #	QTY	DESCRIPTION
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WATER GEM PARTS LIST FOR W15

WG203178L/4P	1	UV Lamp
QTZD009	1	Quartz Sleeve
WG-9200	1	O-Ring
2-1263B	1	Gland Nut

*POWER SUPPLIES:

#WGEB-141 - E Style

#WG-EA - EA Style

#WG-ES - ES Style

DEALER INFORMATION