



## AQUATIC ECO-SYSTEMS®

# SAFEGUARD UV SYSTEMS™ SLP SERIES

### Commercial L-Vessel Polymer

SLP Series SafeGUARD UV Systems feature a robust Schedule-80 Modified PVC plastic construction that is ideal for corrosive saltwater environments. SLP vessels are NSF-50 Certified for operating pressures up to 100 PSI, outperforming comparable polypropylene and HDPE models. The efficient operational design ensures proper hydraulic mixing takes place inside the UV vessel. This optimizes UV light intensity distribution throughout the lamp field for reliable fluence (UV does) delivery. All at a cost savings of up to 50% when compared to 316 stainless steel models.

SLP Series SafeGUARD UV Systems feature single-end glassware assembly that allows for easy access to high-quality Amalgam UV lamps. The remote thermoplastic power supply enclosures are weather-tight, 508 UL listed, NEMA 12 or NEMA 4X to protect from water damage. A Basic Control package is standard, PLC packages are optional. Available in sizes to treat up to 2,544 GPM/9,630 LPM.

### SYSTEM FEATURES:

- Basic Control Package included (optional PLC package shown).
- Control Package available with NEMA12 or NEMA4X enclosure.
- Enhanced, state-of-the-art electronic ballast ensures optimal UV-C output and maximum useful-lamp-life.
- Compact footprint: reduces required operating space.
- Schedule-80 Modified PVC plastic construction is NSF-50 Certified for pressures higher than comparable polypropylene and HDPE models.
- Single-End UV lamp and quartz sleeve access for easy servicing.
- Watertight design protects all electrical hardware from water damage.
- Highest-Quality American-Made Low-Pressure Amalgam UV lamps offer 12,000 hours of continuous operation (80% efficient after 12,000 hours).
- Saltwater compatible.
- Power Supply is 50/60 Hz capable.
- 20-foot lamp cables.



SafeGUARD UV Systems reduce microorganisms through ultraviolet light.  
EPA Est. No.: 091668-FL-001

## SAFEGUARD UV SYSTEMS™ LOW-PRESSURE AMALGAM SLP SERIES

Model	Lamps/Watts	Input Watts	UV-C Output Watts	UV Vessel Dimensions* (A x B x C)	Power Enclosure Dimensions (H x W x D)	Inlet/Outlet Port(s) (Flange)	Amps Max Load @ 120/240 VAC	Max. PSI/Bar	30 mJ/cm <sup>2</sup> ** GPM/LPM	180 mJ/cm <sup>2</sup> ** GPM/LPM
AVAILABLE IN 120 VAC OR 240 VAC										
SLP4010604 <b>XYZ</b>	1/130	130	40	56" x 6" x 47"	16" x 14" x 8.4"	4"	2.1/1.0	100/6.8	66/249	11/42
SLP4020604 <b>XYZ</b>	2/130	260	80	56" x 6" x 47"	16" x 14" x 8.4"	4"	3.9/2.0	100/6.8	112/424	18/68
SLP4030604 <b>XYZ</b>	3/130	390	120	56" x 6" x 47"	16" x 14" x 8.4"	4"	5.8/289	100/6.8	161/609	27/102
SLP4030806 <b>XYZ</b>	3/130	390	120	62" x 8" x 51"	16" x 14" x 8.4"	6"	5.8/289	100/6.8	228/863	38/144
SLP4040806 <b>XYZ</b>	4/130	520	160	62" x 8" x 51"	20.2" x 16.3" x 8.4"	6"	7.5/3.7	100/6.8	296/1120	49/185
SLP4050806 <b>XYZ</b>	5/130	650	200	62" x 8" x 51"	24.6" x 20.2" x 10.6"	6"	9.4/4.7	100/6.8	346/1309	58/219
SLP4061008 <b>XYZ</b>	6/130	780	240	64" x 10" x 51"	24.6" x 20.2" x 10.6"	8"	11.2/5.6	100/6.8	480/1816	80/302
SLP4071008 <b>XYZ</b>	7/130	910	280	64" x 10" x 51"	24.6" x 20.2" x 10.6"	8"	13.3/6.5	100/6.8	564/2134	94/355
SLP4071208 <b>XYZ</b>	7/130	910	280	69" x 12" x 51"	24.6" x 20.2" x 10.6"	8"	13.3/6.5	75/5.1	648/2452	108/408
SLP4081208 <b>XYZ</b>	8/130	1,040	320	69" x 12" x 51"	30.5" x 24.1" x 12.6"	8"	15.0/7.5	75/5.1	763/2888	127/480
ONLY AVAILABLE IN 240 VAC										
SLP6010604 <b>X2Z</b>	1/320	320	98	85" x 6" x 76"	24.6" x 20.2" x 10.6"	4"	1.6	100/6.8	165/624	27/102
SLP6020604 <b>X2Z</b>	2/320	640	196	85" x 6" x 76"	24.6" x 20.2" x 10.6"	4"	3	100/6.8	276/1044	46/174
SLP6030604 <b>X2Z</b>	3/320	960	294	85" x 6" x 76"	24.6" x 20.2" x 10.6"	4"	4.5	100/6.8	392/1483	65/246
SLP6030806 <b>X2Z</b>	3/320	960	294	86" x 8" x 76"	24.6" x 20.2" x 10.6"	6"	4.5	100/6.8	587/2222	98/370
SLP6040806 <b>X2Z</b>	4/320	1,280	392	86" x 8" x 76"	24.6" x 20.2" x 10.6"	6"	6	100/6.8	744/2816	124/469
SLP6050806 <b>X2Z</b>	5/320	1,600	490	86" x 8" x 76"	24.6" x 20.2" x 10.6"	6"	7.5	100/6.8	848/3210	141/533
SLP6061008 <b>X2Z</b>	6/320	1,920	588	88" x 10" x 76"	30.5" x 24.1" x 12.6"	8"	9	100/6.8	1,198/4534	200/757
SLP6071008 <b>X2Z</b>	7/320	2,240	686	88" x 10" x 76"	30.5" x 24.1" x 12.6"	8"	11	100/6.8	1,405/5318	234/885
SLP6071208 <b>X2Z</b>	7/320	2,240	686	90" x 12" x 76"	30.5" x 24.1" x 12.6"	8"	11	75/5.1	1,611/6098	268/1014
SLP6081208 <b>X2Z</b>	8/320	2,560	784	90" x 12" x 76"	30.5" x 24.1" x 12.6"	8"	13	75/5.1	1,839/6961	306/1158
SLP6091412 <b>X2Z</b>	9/320	2,880	882	92" x 14" x 76"	30.5" x 24.1" x 12.6"	12"	14	50/3.4	2,183/8263	364/1377
SLP6101614 <b>X2Z</b>	10/320	3,200	980	94" x 16" x 76"	30.5" x 24.1" x 12.6"	14"	16	50/3.4	2,544/9630	424/1605

\*UV Vessel Dimensions: A = Length of UV Vessel, B = Diameter of UV Vessel, C = Clearance needed for Quartz Sleeve Removal.

\*\*Calculated using UVT factors of 90% transmittance and UV lamps at the end of their useful lamp life.

**X:** Select B (Basic), P (PLC) or A (Advanced PLC)

**Y:** Select 1 (120 VAC) or 2 (240 VAC)

**Z:** Select 1 (NEMA 12) or 2 (NEMA 4X)

Note: All models are weather-tight and 508A UL Listed.

## CONTROL PACKAGE OPTIONS

Basic (B)		PLC (P)		Adv PLC (A)	
Display	Lamp Runtime LED Lamp Status LED Alarm	Display	Touch Screen Lamp Status Alarm Individual Lamp Runtime	Display	Touch Screen Lamp Status Alarm Individual Lamp Runtime
Inputs	Water Temperature Remote On/Off	Inputs	Max 8 Lamps UV Intensity Water Temperature Remote On/Off Enclosure Temperature	Inputs	Max 13 Lamps UV Intensity Water Temperature Remote On/Off Enclosure Temperature Flow Sensor Pulse
Outputs	Alarm Discrete	Outputs	Alarm Discrete	Outputs	UV Intensity 4-20 mA 7 Individual Alarms
				Communication	Ethernet Port (ModBus)



## AQUATIC ECO-SYSTEMS®

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