



Choose between Basic and PLC Controls
See pages 36-40 for
Control Packages and Options



System Features:

- **Basic Control Package** included. (Optional PLC package is available)
- **Enhanced, state-of-the-art electronic ballast**, sized precisely to the lamp's power requirement, ensures optimal UV-C output and maximum useful-lamp-life.
- **Compact footprint**: reduces required operating space.
- **Schedule-80 PVC Plastic** construction is stronger and can handle higher internal pressures than polypropylene and HDPE vessels.
- **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 High-Output UV lamps** offer 12,000 hours of continuous operation (80% efficient after 12,000 hours).
- Choice of **Inlet/Outlet** port styles.
- **6-foot power cord** and 20-foot lamp cables.



Highest Quality/Long-Life
American-Made UV Lamps



NEMA Type 12 Thermoplastic
Power Supply Enclosure



Optional Inlet/Outlet Water
Port Sizes



Watertight UV Lamp
Hardware/Single-End Access

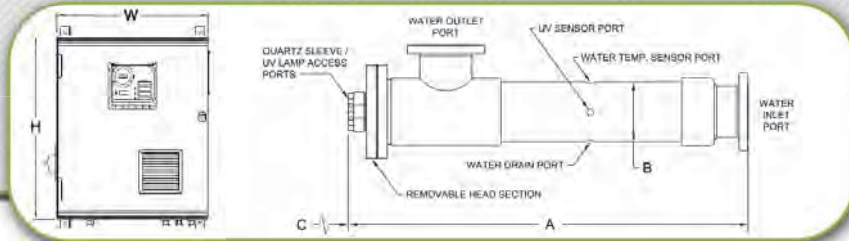
SafeGUARD CLP Series UV Systems

Commercial L-Vessel Plastic

SafeGUARD CLP Series UV Systems offer efficient operation, ensuring proper hydraulic mixing inside the UV vessel. This optimizes UV light intensity distribution throughout the lamp field for reliable fluence (UV dose) delivery. SafeGUARD CLP models feature Schedule-80 PVC plastic construction, specifically suited for corrosive saltwater conditions. CLP vessels are extremely durable (models NSF-50 Certified/operating pressures up to 150 PSI) and deliver a cost savings of up to 50% when compared to more expensive and corrosive 316 stainless steel.

SafeGUARD CLP UV systems feature single-end glassware assembly, remote NEMA 12 thermoplastic power supply enclosure, and are available with Basic or PLC Control packages with either LPHO or Amalgam UV lamps (available in sizes to treat up to 5,000 GPM/18,925 LPM).

SafeGUARD CLP Series High-Output UV System



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)	Available Inlet / Outlet Port(s)	Amps Max Load @ 120/230 VAC	Control Package	Max. PSI / Bar	30 mJ/cm2 GPM / LPM	180 mJ/cm2 GPM / LPM
CLP4160HO6-XXX	2/80	160	54	56" x Ø6" x 47"	14" x 12" x 8.4"	2", 3", 4" Flange	3.0/1.5	Basic or PLC	150 / 10.3	81 / 314	13 / 52
CLP4240HO6-XXX	3/80	240	81	56" x Ø6" x 47"	14" x 12" x 8.4"	2", 3", 4" Flange	4.0/2.0	Basic or PLC	150 / 10.3	119 / 461	20 / 77
CLP4320HO6-XXX	4/80	320	108	56" x Ø6" x 47"	16" x 14" x 8.4"	2", 3", 4" Flange	5.0/2.5	Basic or PLC	150 / 10.3	155 / 600	26 / 100
CLP6300HO6-XXX	2/150	300	114	85" x Ø6" x 76"	14" x 12" x 8.4"	2", 3", 4" Flange	3.75/1.8	Basic or PLC	150 / 10.3	174 / 675	29 / 113
CLP6450HO6-XXX	3/150	450	171	85" x Ø6" x 76"	14" x 12" x 8.4"	2", 3", 4" Flange	5.5/2.7	Basic or PLC	150 / 10.3	250 / 969	41 / 162
CLP6600HO6-XXX	4/150	600	228	85" x Ø6" x 76"	16" x 14" x 8.4"	2", 3", 4" Flange	7.5/3.7	Basic or PLC	150 / 10.3	331 / 1283	55 / 214

SafeGUARD CLP Series Amalgam UV System

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)	Available Inlet / Outlet Port(s)	Amps Max Load @ 120/230 VAC	Control Package	Max. PSI / Bar	30 mJ/cm2 GPM / LPM	180 mJ/cm2 GPM / LPM
CLP4130A6-XXX	1/130	130	40	56" x Ø6" x 47"	16" x 14" x 8.4"	2", 3", 4" Flange	2.1/1.0	Basic or PLC	150 / 10.3	66 / 255	11 / 42
CLP4260A6-XXX	2/130	260	80	56" x Ø6" x 47"	16" x 14" x 8.4"	2", 3", 4" Flange	3.9/2.0	Basic or PLC	150 / 10.3	112 / 434	18 / 72
CLP4390A6-XXX	3/130	390	120	56" x Ø6" x 47"	16" x 14" x 8.4"	2", 3", 4" Flange	5.8/2.9	Basic or PLC	150 / 10.3	161 / 624	27 / 104
CLP4390A8-XXX	3/130	390	120	62" x Ø8" x 51"	16" x 14" x 8.4"	3", 4" 6" Flange	5.8/2.9	Basic or PLC	150 / 10.3	228 / 883	38 / 147
CLP4520A8-XXX	4/130	520	160	62" x Ø8" x 51"	20.2" x 16.3" x 8.4"	3", 4" 6" Flange	7.5/3.7	Basic or PLC	150 / 10.3	296 / 1147	49 / 191
CLP4650A8-XXX	5/130	650	200	62" x Ø8" x 51"	24.6" x 20.2" x 10.6"	3", 4" 6" Flange	9.4/4.7	Basic or PLC	150 / 10.3	346 / 1341	58 / 223
CLP4780A10-XXX	6/130	780	240	64" x Ø10" x 51"	24.6" x 20.2" x 10.6"	4", 6", 8" Flange	11.2/5.6	Basic or PLC	120 / 8.3	480 / 1860	80 / 310
CLP4910A10-XXX	7/130	910	280	64" x Ø10" x 51"	24.6" x 20.2" x 10.6"	4", 6", 8" Flange	13.3/6.5	Basic or PLC	120 / 8.3	564 / 2185	94 / 364
CLP4910A12-XXX	7/130	910	280	69" x Ø12" x 51"	24.6" x 20.2" x 10.6"	6", 8" Flange	13.3/6.5	Basic or PLC	90 / 6.2	648 / 2511	108 / 418
CLP41040A12-XXX	8/130	1,040	320	69" x Ø12" x 51"	30.5" x 24.1" x 12.6"	6", 8" Flange	15.0/7.5	Basic or PLC	90 / 6.2	763 / 2956	127 / 493
CLP6320A6-XXX	1/320	320	98	85" x Ø6" x 76"	24.6" x 20.2" x 10.6"	2", 3", 4" Flange	3.2/1.6	Basic or PLC	150 / 10.3	165 / 639	27 / 106
CLP6640A6-XXX	2/320	640	196	85" x Ø6" x 76"	24.6" x 20.2" x 10.6"	2", 3", 4" Flange	6.0/3.0	Basic or PLC	150 / 10.3	276 / 1070	46 / 178
CLP6960A6-XXX	3/320	960	294	85" x Ø6" x 76"	24.6" x 20.2" x 10.6"	2", 3", 4" Flange	9.0/4.5	Basic or PLC	150 / 10.3	392 / 1519	65 / 253
CLP6960A8-XXX	3/320	960	294	86" x Ø8" x 76"	24.6" x 20.2" x 10.6"	3", 4" 6" Flange	9.0/4.5	Basic or PLC	150 / 10.3	587 / 2275	98 / 379
CLP61280A8-XXX	4/320	1,280	392	86" x Ø8" x 76"	24.6" x 20.2" x 10.6"	3", 4" 6" Flange	12.0/6.0	Basic or PLC	150 / 10.3	744 / 2883	124 / 480
CLP61600A8-XXX	5/320	1,600	490	86" x Ø8" x 76"	24.6" x 20.2" x 10.6"	3", 4" 6" Flange	15.0/7.5	Basic or PLC	150 / 10.3	848 / 3286	141 / 548
CLP61920A10-XXX	6/320	1,920	588	88" x Ø10" x 76"	30.5" x 24.1" x 12.6"	4", 6", 8" Flange	18.0/9.0	Basic or PLC	120 / 8.3	1,198 / 4642	200 / 773
CLP62240A10-XXX	7/320	2,240	686	88" x Ø10" x 76"	30.5" x 24.1" x 12.6"	4", 6", 8" Flange	230 VAC / 11 AMPS	Basic or PLC	120 / 8.3	1,405 / 5442	234 / 907
CLP62240A12-XXX	7/320	2,240	686	90" x Ø12" x 76"	30.5" x 24.1" x 12.6"	6", 8" Flange	230 VAC / 11 AMPS	Basic or PLC	90 / 6.2	1,611 / 6243	268 / 1040
CLP62560A12-XXX	8/320	2,560	784	90" x Ø12" x 76"	30.5" x 24.1" x 12.6"	6", 8" Flange	230 VAC / 13 AMPS	Basic or PLC	90 / 6.2	1,839 / 7126	306 / 1188
CLP62880A14-XXX	9/320	2,880	882	92" x Ø14" x 76"	30.5" x 24.1" x 12.6"	8", 10", 12" Flange	230 VAC / 14 AMPS	Basic or PLC	50 / 3.4	2,183 / 8461	364 / 1410
CLP63200A16-XXX	10/320	3,200	980	94" x Ø16" x 76"	30.5" x 24.1" x 12.6"	10", 12", 14" Flange	230 VAC / 16 AMPS	Basic or PLC	50 / 3.4	2,544 / 9858	424 / 1643
CLP63520A18-XXX	11/320	3,520	1,078	96" x Ø18" x 76"	40.4" x 32.5" x 12.6"	12", 14", 16" Flange	230 VAC / 17 AMPS	Basic or PLC	50 / 3.4	2,904 / 11253	484 / 1876
CLP63840A20-XXX	12/320	3,840	1,176	98" x Ø20" x 76"	40.4" x 32.5" x 12.6"	14", 16", 18" Flange	230 VAC / 19 AMPS	Basic or PLC	50 / 3.4	3,434 / 13308	572 / 2218
CLP64160A24-XXX*	13/320	4,160	1,274	102" x Ø24" x 76"	40.4" x 32.5" x 12.6"	16", 18", 20" Flange	230 VAC / 20 AMPS	Basic or PLC	40 / 2.7	3,821 / 14807	636 / 2468

Note: Model Number Matrix Example CLP4160HO6-XXX: **CLP 4 160 HO 6 2F B**

CLP - Model Family / **4** - UV Vessel Length / **160** - Input Watts / **HO** - UV Lamp Style / **6** - Vessel Diameter / **2F** - Port Size & Style / **B** - Control Package ("B" = Basic or "P" = PLC)

Note: Fluence (UV Dose) calculated using UVT factors of 90-95%T and UV lamps at end of useful lamp life

Note: Available with PLC Monitor/Controls

Note: NSF Certified UV Vessel Pressure rated * (24" Model is not NSF rated due to testing pressure rating)

Note: Other port sizes may be available - please call for assistance

Note: UV System customization may change Vessel and or Power Enclosure dimensions

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

All models are weather-tight
and 508A UL Listed

