

EMPEROR SAFEGUARD UV SYSTEMS™ CUP SERIES

Commercial U-Shaped Polymer

The Emperor SafeGUARD CUP UV systems replace the successful "COM" UV series introduced in 1992. The CUP Series UVs carry on the 23-year tradition of quality, but with innovative improvements which include single-end quartz sleeves. Schedule-80 Modified Polymer construction ideally suited for corrosive saltwater conditions and a compact "U" vessel port orientation that reduces footprint. The CUP power supply enclosure is available in either a NEMA12 or NEMA 4X rating. Basic control package included (optional PLC package shown). Choose between either Low Pressure (LP) High Output (HO) or Amalgam UV lamps. UL listed. Made in USA.

System Features

- 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
- Highest-Quality American-Made Low-Pressure High-Output UV lamps offer 12,000 hours* of continuous operation (80% efficient after 12,000 hours)
- Schedule-80 Modified Polymer** construction is stronger and can handle higher internal pressures than polypropylene and HDPE vessels
- Available in sizes to treat up to 5,000 gpm (18,925 lpm)
- Single-end UV lamp and quartz sleeve access for easy servicing
- Watertight design protects all electrical hardware from water damage
- Choice of inlet/outlet port styles.
- Power supply is 50/60 Hz capable
- 6' power cord and 20' lamp cables



CALL FOR MORE INFORMATION AND PRICING.

*Limited 12,000 hr warranty on all lamps
**Limited 3 Year Warranty

MODEL	LAMPS/WATTS	INPUT WATTS	UV-C OUTPUT WATTS	UV VESSEL DIMENSIONS (L X D)	POWER ENCLOSURE DIMENSIONS (H X W X D)	AVAILABLE INLET/OUTLET PORT(S) (FLANGE)	AMPS MAX LOAD @ 120/230 VAC	MAX PSI/BAR	30 MJ/CM ² GPM/LPM	180 MJ/CM ² GPM/LPM
CUP4160H06-XFB	2 / 80	160	54	52" X 6"	14" X 12" X 8.4"	2", 3", 4"	3.0/1.5	50 / 3.4	81 / 314	13 / 52
CUP4240H06-XFB	3 / 80	240	81	52" X 6"	14" X 12" X 8.4"	2", 3", 4"	4.0/2.0	50 / 3.4	119 / 461	20 / 77
CUP4320H06-XFB	4 / 80	320	108	52" X 6"	16" X 14" X 8.4"	2", 3", 4"	5.0/2.5	50 / 3.4	155 / 600	26 / 100
CUP6300H06-XFB	2/150	300	114	70" X 6"	14" X 12" X 8.4"	2", 3", 4"	3.75/1.8	50 / 3.4	174 / 675	29 / 113
CUP6450H06-XFB	3/150	450	171	70" X 6"	14" X 12" X 8.4"	2", 3", 4"	5.5/2.7	50 / 3.4	250 / 969	41 / 162
CUP6600H06-XFB	4/150	600	228	70" X 6"	16" X 14" X 8.4"	2", 3", 4"	7.5/3.7	50 / 3.4	331 / 1283	55 / 214

Safeguard UV System CUP Series Low-Pressure Amalgam

CUP4130A6-XFB	1/130	130	40	52" X 6"	16" X 14" X 8.4"	2", 3", 4"	2.1/1.0	50/3.4	66/255	11/42
CUP4260A6-XFB	2/130	260	80	52" X 6"	16" X 14" X 8.4"	2", 3", 4"	3.9/2.0	50/3.4	112/434	18/72
CUP4390A6-XFB	3/130	390	120	52" X 6"	16" X 14" X 8.4"	2", 3", 4"	5.8/2.9	50/3.4	161/624	27/104
CUP4390A8-XFB	3/130	390	120	54" X 8"	16" X 14" X 8.4"	3", 4" 6"	5.8/2.9	50/3.4	228/883	38/147
CUP4520A8-XFB	4/130	520	160	54" X 8"	20.2" X 16.3" X 8.4"	3", 4" 6"	7.5/3.7	50/3.4	296/1147	49/191
CUP4650A8-XFB	5/130	650	200	54" X 8"	24.6" X 20.2" X 10.6"	3", 4" 6"	9.4/4.7	50/3.4	346/1341	58/223
CUP4780A10-XFB	6/130	780	240	60" X 10"	24.6" X 20.2" X 10.6"	4", 6", 8"	11.2/5.6	50/3.4	480/1860	80/310
CUP4910A10-XFB	7/130	910	280	60" X 10"	24.6" X 20.2" X 10.6"	4", 6", 8"	13.3/6.5	50/3.4	564/2185	94/364
CUP4910A12-XFB	7/130	910	280	62" X 12"	24.6" X 20.2" X 10.6"	6", 8"	13.3/6.5	50/3.4	648/2511	108/418
CUP41040A12-XFB	8/130	1,040	320	62" X 12"	30.5" X 24.1" X 12.6"	6", 8"	15.0/7.5	50/3.4	763/2956	127/493
CUP6320A6-XFB	1/320	320	98	75" X 6"	24.6" X 20.2" X 10.6"	2", 3", 4"	3.2/1.6	50/3.4	165/639	27/106
CUP6640A6-XFB	2/320	640	196	75" X 6"	24.6" X 20.2" X 10.6"	2", 3", 4"	6.0/3.0	50/3.4	276/1070	46/178
CUP6960A6-XFB	3/320	960	294	75" X 6"	24.6" X 20.2" X 10.6"	2", 3", 4"	9.0/4.5	50/3.4	392/1519	65/253
CUP6960A8-XFB	3/320	960	294	77" X 8"	24.6" X 20.2" X 10.6"	3", 4" 6"	9.0/4.5	50/3.4	587/2275	98/379
CUP61280A8-XFB	4/320	1,280	392	77" X 8"	24.6" X 20.2" X 10.6"	3", 4" 6"	12.0/6.0	50/3.4	744/2883	124/480
CUP61600A8-XFB	5/320	1,600	490	77" X 8"	24.6" X 20.2" X 10.6"	3", 4" 6"	15.0/7.5	50/3.4	848/3286	141/548
CUP61920A10-XFB	6/320	1,920	588	79" X 10"	30.5" X 24.1" X 12.6"	4", 6", 8"	18.0/9.0	50/3.4	1,198/4642	200/773
CUP62240A10-XFB	7/320	2,240	686	79" X 10"	30.5" X 24.1" X 12.6"	4", 6", 8"	*	50/3.4	1,405/5442	234/907

20218 UV VESSEL OVER-TEMP PROTECTION (RECOMMENDED FOR PLASTIC VESSELS)

20218-EXTCABLE 12' EXTENSION CABLE FOR OVER-TEMP PROTECTION SENSOR (WORKS WITH BASIC CONTROL OPTION)

When ordering: Replace 'X' in part number with requested flange size; e.g., '2' for two-inch flange. Basic or Optional PLC Control Package available. *230 VAC/11 AMPS.