



AQUATIC ECO-SYSTEMS™

## SMART UV® STERILIZER SYSTEMS

Pond, Aquarium, Exhibit, Research,  
& Aquaculture

More animal husbandry and aquatic professionals choose SMART UV Sterilizers over competing UV brands because of our substantiated performance information, effective product design, and overall quality. Pentair Aquatic Eco-Systems has over thirty models to choose from. We have the right SMART UV Sterilizer to fit your application.

### SYSTEM FEATURES:

- Easy-to-remove UV lamp and quartz sleeve assembly allows for lamp removal without disrupting the water flow. This design also allows for removal of the entire power assembly for easy interior cleaning.
- Remote Power Supply positions the power supply away from the UV vessel and water, increasing overall safety.
- Ballasts are available with standard-output sterilizers (18-watt through 130-watt models). LPHO Multi-Voltage (100-277 VAC) ballasts are available with high-output sterilizers (50-watt through 120-watt models). They both deliver the precise electrical requirements to the lamp, maximizing UV-C output and lamp life. Models using 150 Watt Lamps can be ordered in 120 or 230 VAC 50/60Hz. All ballasts are sealed to prevent water damage. Cord length: 19.5 ft.
- All SMART UV Sterilizers are watertight and designed for operation in wet environments.
- SMART UV Sterilizers feature a heavy-wall UV-resistant plastic vessel
- Clear viewing ports are positioned on both ends of each UV vessel for safe internal inspection during use.



## SMART UV® LITE STERILIZER

Model	Lamps / Watts	Input Watts	UV-C Output Watts	UV Vessel Dimensions	Inlet / Outlet Port(s)	Amps Max Load @ 120/230 VAC	30 mJ/cm2 GPM / LPM	180 mJ/cm2 GPM / LPM
EU18-2	1/18	18	6.6	22" x 3"	1.5" Union	120VAC 50/60Hz	4 / 15	0.6 / 2.2
EU25-2	1/25	25	8.8	30" x 3"	1.5" Union	120VAC 50/60Hz	6 / 22	0.9 / 3.4
EU40-2	1/40	40	17.3	45" x 3"	1.5" Union	120VAC 50/60Hz	10 / 37	1.6 / 6
EU80-2	2/40	80	17.3 (2)	45" x 14"	1.5" Union	120VAC 50/60Hz	20 / 75	3 / 11



## SMART UV STERILIZER

Model	Lamps / Watts	Input Watts	UV-C Output Watts	UV Vessel Dimensions	Inlet / Outlet Port(s)	Amps Max Load @ 120/230 VAC	30 mJ/cm2 GPM / LPM	180 mJ/cm2 GPM / LPM
EU25-U	1/25	25	8.8	29" x 4"	1.5" Union	120VAC 50/60Hz	8 / 30	1 / 3.7
EU40	1/40	40	17.3	44" x 4"	1.5" Union	120VAC 50/60Hz	17 / 64	2.8 / 10
EU65P	1/65	65	32	71" x 4"	1.5" Union	120VAC 50/60Hz	32 / 121	5.3 / 20
EU80P	2/40	80	17.3 (2)	45" x 16"	1.5" Union	120VAC 50/60Hz	34 / 128	5.6 / 21
EU130P	2/65	130	32 (2)	72" x 16"	1.5" Union	120VAC 50/60Hz	64 / 242	10.6 / 40



## SMART UV HO STERILIZER

Model	Lamps / Watts	Input Watts	UV-C Output Watts	UV Vessel Dimensions	Inlet / Outlet Port(s)	Amps Max Load @ 120/230 VAC	30 mJ/cm2 GPM / LPM	180 mJ/cm2 GPM / LPM
E50S	1/50	50	15	30" x 6"	2" Union	1.15/0.57	25 / 94	4 / 15
E80S	1/80	80	27	45" x 6"	2" Union	1.15/0.57	45 / 170	7.5 / 28
E120S	1/120	120	37	57" x 6"	2" Union	1.15/0.57	64 / 242	10.6 / 40
E150S	1/150	150	57	71" x 6"	2" Union	1.85/0.85	100 / 378	16.6 / 62



## SMART UV HO ML STERILIZER

Model	Lamps / Watts	Input Watts	UV-C Output Watts	UV Vessel Dimensions	Inlet / Outlet Port(s)	Amps Max Load @ 120/230 VAC	Max. PSI / Bar	30 mJ/cm2 GPM / LPM	180 mJ/cm2 GPM / LPM
0250100	2/50	100	30	35" x 6"	3" Union	1.15/0.57	150 / 10.3	43 / 162	7 / 26
0250160	2/80	160	54	50" x 6"	3" Union	1.15/0.57	150 / 10.3	81 / 306	13.5 / 51
0250240	2/120	240	74	62" x 6"	3" Union	1.15/0.57	150 / 10.3	110 / 416	18 / 68
0250300	2/150	300	114	76" x 6"	3" Union	1.85/0.85	150 / 10.3	174 / 658	29 / 109



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



## AQUATIC ECO-SYSTEMS™

2395 APOPKA BLVD., APOPKA, FL 32703 407.886.3939 PentairAES.com

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