

HIGH OUTPUT - POLYETHYLENE SERIES UV STERILIZERS

The HO - PE series UV sterilizer vessel design constructed from High Density Polyethylene (HDPE) is ideal for warm saltwater applications in flow ranges from 25 gpm to 175 gpm. HDPE vessel material is stronger, more durable, and more resistant to UV-C than PVC. HO – PE Series utilize 80W High-Output (HO) lamps available in 5 models from 1 to 5 lamp in a single vessel. The vertical units are free standing, and the horizontal units include built in HDPE legs for ease of installation. Ideal for public aquariums and saltwater aquaculture.

- HO-PE Series utilize 80W high output low pressure lamps housed in a high-quality saltwater compatible HDPE vessel
- Flexible design allows vertical self-supporting upright or horizontal for simple installation and small footprint
- Standard with AL, LCD or LCD PLUS Control Panels
- All units rated for 87 PSI

OPTIONS

- U-TYPE
- Manual Quartz Sleeve Wiping System
- UV Intensity Sensor



UV VESSELS

HO-PE SERIES

UV MODEL	NUMBER OF LAMPS	NOMINAL TOTAL LAMP WATTAGE	VESSEL MATERIAL	VESSEL TYPE	FLOW RATE AT 90%UVT (US GPM)		INLET / OUTLET (Inches)	UV VESSEL LENGTH (Inches)	CONTROLLER OPTIONS
					UV-C DOSE 30 mJ/cm ²	UV-C DOSE 180 mJ/cm ²			
PE-5	1 / 80W	80	HDPE	Z-TYPE	28	5	1.5" NPT	38"	AL OR LCD
PE-15	2 / 80W	160	HDPE	Z-TYPE	65	11	2.5" NPT	38"	AL OR LCD
PE 22	3 / 80W	260	HDPE	Z-TYPE	99	17	2.5" NPT	38"	LCD
PE 35	4 / 80W	320	HDPE	Z-TYPE	144	24	3" ANSI FLANGE	38"	LCD
PE 45	5 / 80W	400	HDPE	Z-TYPE	183	31	4" ANSI FLANGE	38"	LCD

NOTES: UV sizing based on End of Lamp Life (EOL) after 9000 hours, 20°C, US EPA UVDGM Point Source Summation calculation approach, 1000 segments sources for each lamp

*** Contact IAS for Free System Design Assistance ***