

AMALGAM - POLYETHYLENE SERIES UV STERILIZERS



Amalgam (AM) Series Polyethylene (PE) UV units utilize powerful 200W & 400W low pressure amalgam lamps housed in a noncorrosive High-Density Polyethylene (HDPE) vessel. HDPE is stronger, more durable, and more resistant to UV-C than PVC. With amalgam lamps and HDPE vessel, this is the ideal UV for saltwater applications with flow rates from 83 to 5152 gpm.

- Non-Corrosive High Density Polyethylene (HDPE) vessel construction ideal for warm saltwater applications
- High-Output Low-Pressure Amalgam Lamps, rated up to 16,000 hours
- All units rated for 87 PSI other than PE980 (rated for 58 PSI)

OPTIONS

- Vertical floor mount configuration U-Type or Z-Type Inlet/Outlet
- Manual or Automatic Quartz Sleeve Wiping Systems
- Adjustable lamp power regulation (50% to 100%) with use of ST control panel
- Onboard UVT Sensor



UV VESSELS

AM-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/cm2	UV-C DOSE 180 mJ/cm2			
PE 20	1 / 200W	200	HDPE	Z or U TYPE	83	14	4" ANSI FLANGE	50"	ST or ECOLINE
PE 61	2 / 200W	400	HDPE	Z or U TYPE	215	36	6" ANSI FLANGE	50"	ST or ECOLINE
PE 90	3 / 200W	600	HDPE	Z or U TYPE	311	52	6" ANSI FLANGE	50"	ST or ECOLINE
PE 100	4 / 200W	800	HDPE	Z or U TYPE	410	69	6" ANSI FLANGE	50"	ST or ECOLINE
PE 145	4 / 200W	800	HDPE	Z or U TYPE	469	78	6" ANSI FLANGE	50"	ST or ECOLINE
PE 200	6 / 200W	1200	HDPE	Z or U TYPE	721	120	8" ANSI FLANGE	50"	ST or ECOLINE
PE 110	2 / 400W	800	HDPE	U-TYPE	448	75	6" ANSI FLANGE	71"	ST or ECOLINE
PE 150	3 / 400W	1200	HDPE	U-TYPE	621	104	6" ANSI FLANGE	71"	ST or ECOLINE
PE 250	4 / 400W	1600	HDPE	U-TYPE	954	159	8" ANSI FLANGE	71"	ST or ECOLINE
PE 340	5 / 400W	2000	HDPE	U-TYPE	1237	207	10" ANSI FLANGE	71"	ST or ECOLINE
PE 470	7 / 400W	2800	HDPE	U-TYPE	1653	276	10" ANSI FLANGE	71"	ST or ECOLINE
PE 600	8 / 400W	3200	HDPE	U-TYPE	2036	340	12" ANSI FLANGE	71"	ST or ECOLINE
PE 830	10 / 400W	4000	HDPE	U-TYPE	2595	434	14" ANSI FLANGE	71"	ST or ECOLINE
PE 980	12 / 400W	4800	HDPE	U-TYPE	3192	533	16" ANSI FLANGE	71"	ST or ECOLINE
PE 1700	18 / 400W	7200	HDPE	U-TYPE	5152	861	20" ANSI FLANGE	71"	ST or ECOLINE

NOTES: UV sizing based on End of Lamp Life (EOL), 20°C, US EPA UVDGM Point Source Summation calculation approach, 1000 segments sources for each lamp. EOL is 14,000 hours for 200W lamps and 16,000 hours for 400W lamps.

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