

AMALGAM - POLYETHYLENE SERIES UV STERILIZERS

Amalgam (AM) Series Polyethylene (PE) UV units utilize powerful 200W & 400W low pressure amalgam lamps housed in a non-corrosive 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 100 to 3200 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)



UV VESSELS
AM-DE-CEDEC

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 TC control panel
- Onboard UVT Sensor

CATALOG NUMBER	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			
240-0055	PE 61	2 / 200W	400	HDPE	Z-TYPE	215	36	4" ANSI FLANGE	51"	LCD
240-0056	PE 90	3 / 200W	600	HDPE	Z-TYPE	311	52	6" ANSI FLANGE	51"	LCD
240-0057	PE 110	2 / 400W	800	HDPE	U-TYPE	449	75	6" ANSI FLANGE	71"	LCD OR TC
240-0058	PE 150	3 / 400W	1200	HDPE	U-TYPE	623	104	8" ANSI FLANGE	71"	LCD OR TC
240-0059	PE 250	4 / 400W	1600	HDPE	U-TYPE	957	159	10" ANSI FLANGE	71"	LCD OR TC
240-0060	PE 340	5 / 400W	2000	HDPE	U-TYPE	1240	207	10" ANSI FLANGE	71"	TC
240-0061	PE 470	7 / 400W	2800	HDPE	U-TYPE	1657	276	12" ANSI FLANGE	71"	TC
240-0062	PE 600	8 / 400W	3200	HDPE	U-TYPE	2041	340	14" ANSI FLANGE	71"	TC
240-0063	PE 830	10 / 400W	4000	HDPE	U-TYPE	2602	434	16" ANSI FLANGE	71"	TC
240-0064	PE 980	12 / 400W	4800	HDPE	U-TYPE	3200	533	18" ANSI FLANGE	71"	TC

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 ***