

SMP SERIES UV STERILIZERS



The SMP Series UV Sterilizers utilize medium pressure lamps which produce extremely high dose UVC output into a small package in order to meet the rigorous demands of commercial aquaculture applications. SMP Series uses a fraction of the number of lamps in a much smaller footprint to meet the duty point compared to low pressure lamps. This cuts down on installation space requirements and overall cost of ownership. SMP Series units include ANSI 316SS vessels standard with either manual or automatic wiper system to operate at peak performance with minimal maintenance labor required.

- Inline configuration for easy installation
- High-Quality, Extremely High Output Medium-Pressure Lamps
- Adjustable lamp power regulation (50% to 100%) with use of ST control panel
- ANSI 316L Stainless Steel Vessel
- Quartz Sleeve Wiper System (manual or automatic)
- Pressure rated to 145 PSI



UV VESSELS
SMP 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			
SMP 6 XL	1 / 600W	600	316	U-TYPE	106	18	2.5" ANSI FLANGE	21"	LCD OR ST
SMP 10 XL	1 / 1000W	1000	316	INLINE	170	28	4" ANSI FLANGE	29"	LCD OR ST
SMP 20 XL	1 / 2000W	2000	316	INLINE	434	72	6" ANSI FLANGE	29"	LCD OR ST
SMP 25 XL	1 / 2500W	2500	316	INLINE	733	122	8" ANSI FLANGE	32"	LCD OR ST
SMP 35 XL	1 / 3500W	3500	316	INLINE	939	156	8" ANSI FLANGE	32"	LCD OR ST
SMP 50 PR	2 / 2500W	5000	316	INLINE	1525	254	8" ANSI FLANGE	32"	ST
SMP 70 PR	2 / 3500W	7000	316	INLINE	2229	372	12" ANSI FLANGE	20"	ST
SMP 105 PR	3 / 3500W	10500	316	INLINE	3479	580	12" ANSI FLANGE	20"	ST
SMP 140 PR	4 / 3500W	14000	316	INLINE	4658	776	16" ANSI FLANGE	47"	ST
SMP 175 PR	5 / 3500W	17500	316	INLINE	5826	971	20" ANSI FLANGE	32"	ST
SMP 210 PR	6 / 3500W	21000	316	INLINE	CONTACT US	CONTACT US	20" ANSI FLANGE	CONTACT US	ST
SMP 180	6 / 3000W	18000	316	INLINE	6958	1160	12" ANSI FLANGE	CONTACT US	ST
SMP 225	3 / 8000W	24000	316	INLINE	7498	1250	16" ANSI FLANGE	CONTACT US	ST
SMP 300	4 / 8000W	32000	316	INLINE	9973	1662	18" ANSI FLANGE	CONTACT US	ST
SMP 375	5 / 8000W	40000	316	INLINE	12496	2083	20" ANSI FLANGE	CONTACT US	ST
SMP 600	CONTACT US	CONTACT US	316	INLINE	20533	3422	16" TO 28" ANSI FLANGE	CONTACT US	ST
SMP 675	CONTACT US	CONTACT US	316	INLINE	23467	3911	16" TO 28" ANSI FLANGE	CONTACT US	ST

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 6,000 hours for SMP 6 XL through 35XL. All others EOL is 10,000 hours.

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