

SBT SERIES UV STERILIZERS

The SBT Series UV Sterilizers are designed specifically for applications with low UV transmittance values. The placement of lamps and the locations within the vessel are engineered to give the most UV exposure as the water passes through. This UV is made to handle highly loaded water, which is why all models in this series include automatic quartz sleeve cleaning systems as well as connections for chemical flushing of the vessel. This is the perfect vessel for wastewater or discharge water systems.

- Sized for Low UVT Applications
- Automatic Quartz Sleeve Wiping System Standard on All Models
- Available with range of SITA High-Quality UV Lamps
- ANSI 316L Stainless Steel Vessel Construction
- Pressure rated to 145 PSI

OPTIONS

- L-Type Vessel Configuration
- Different sized ANSI flange connections
- Onboard UVT sensor
- Quartz Sleeve Wiping Systems - Manual or Automatic
- Lamp dimming (Flow or Dose Pacing – with Flowmeter)



UV MODEL	NUMBER OF LAMPS	NOMINAL TOTAL LAMP WATTAGE	VESSEL MATERIAL	VESSEL TYPE	FLOW RATE AT 65%UVT (US GPM)		INLET / OUTLET (Inches)	UV VESSEL LENGTH (Inches)	CONTROLLER OPTIONS
					UV-C DOSE 30 mJ/cm2	UV-C DOSE 180 mJ/cm2			
SBT 4101	1 / 400W	400	316	U-TYPE	104	17	4" ANSI FLANGE	65"	ST
SBT 4104	4 / 400W	1600	316	U-TYPE	467	78	6" ANSI FLANGE	65"	ST
SBT 4106	6 / 400W	2400	316	U-TYPE	716	119	6" ANSI FLANGE	65"	ST
SBT4110	10 / 400W	4000	316	U-TYPE	1214	202	8" ANSI FLANGE	66"	ST
SBT 4116	16 / 400W	6400	316	U-TYPE	1948	325	10" ANSI FLANGE	66"	ST
SBT 4124	24 / 400W	9600	316	U-TYPE	3021	504	12" ANSI FLANGE	66"	ST
SBT 4132	32 / 400W	12800	316	U-TYPE	4048	675	16" ANSI FLANGE	66"	ST
SBT 4140	40 / 400W	16000	316	U-TYPE	5127	855	16" ANSI FLANGE	66"	ST

NOTES: UV sizing based on End of Lamp Life (EOL) after 16,000 hours, 20°C, US EPA UVDGM Point Source Summation calculation approach, 1000 segments sources for each lamp

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