

INTEGRATED-AQUA™

UV STERILIZER
SOLUTIONS CATALOG



Established in 2003, Integrated Aqua Systems, Inc. is an industry leading equipment supplier and systems integrator for aquatics. Our UV Sterilizer solutions cover a complete product range for a wide range of industries applications in water treatment.

- Exclusive North American Distributor for SITA UV
- Complete Product Range for Aquatic Applications
- Custom Systems Integrator to Meet Specific Project Needs
- Offering Free UVT Testing
- Full Stocked Inventory of Spare Parts, Replacement Lamps and Quartz Sleeves
- Experienced Technical Sales, Services & Support

HEADQUARTERS
SAN DIEGO, CA



MARKETS SERVED

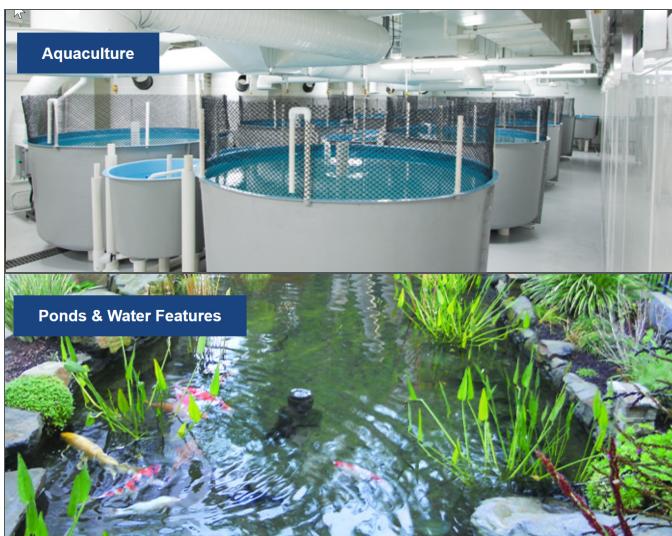


TABLE OF CONTENTS

UV VESSELS	FEATURES & OPTIONS	PAGE 4-5	
		HIGH OUTPUT - STAINLESS STEEL (HO-SS) SERIES	PAGE 6
		HIGH OUTPUT - POLYETHYLENE (HO-PE) SERIES	PAGE 7
		AMALGAM (AM) SERIES	PAGE 8
		AMALGAM POLYETHYLENE (AM-PE) SERIES	PAGE 9
		400 SERIES	PAGE 10
		STAINLESS MEDIUM PRESSURE (SMP) SERIES	PAGE 11
		SBT SERIES	PAGE 12
		IT SERIES	PAGE 13
CONTROL PANELS		PLUG-IN BALLAST AL/AL2 SERIES	PAGE 14
		LCD / LCD PLUS SERIES	PAGE 14
		ST EVOLUTION SERIES	PAGE 14-15

A GLOBALLY RECOGNIZED UV MANUFACTURER

- S.I.T.A. Srl (Societa Italiana Trattamento Acque) High Quality UV Sterilizers Manufactured in Italy since 1982.
- ISO 9001:2015 Certified Company
- Over 9,000 units shipped globally every year
- Heavy Duty Industrial Equipment
- 2 Year Standard Manufacturer Warranty
- US EPA UVDGM Point Source Summation + CFD Analysis



MADE IN **ITALY**



508A industrial control panels

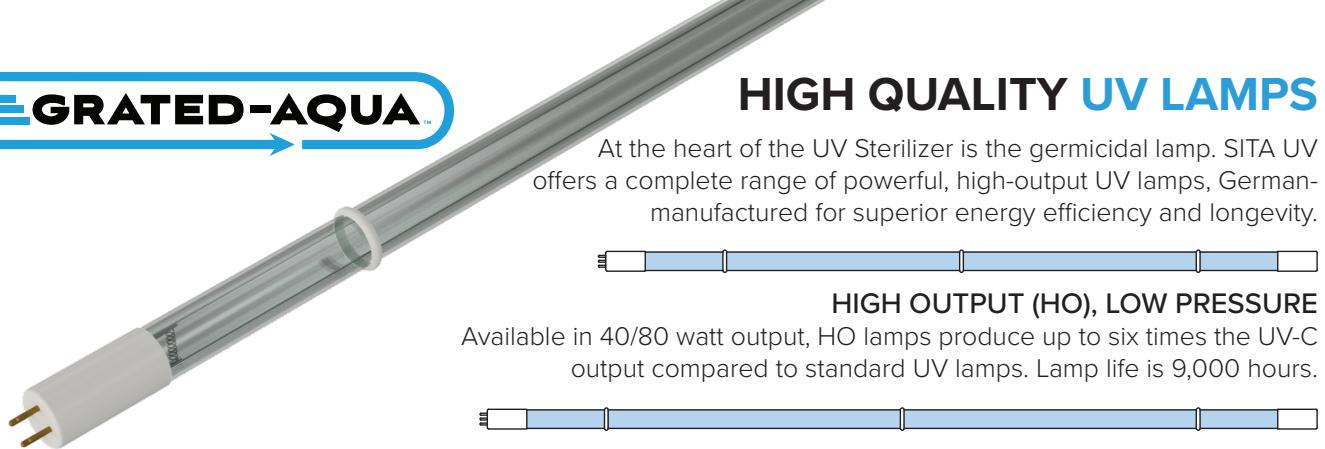


COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001:2008 =


EC Declaration of Conformity

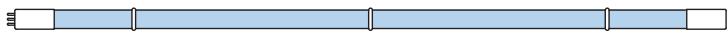


WRAS
APPROVED
PRODUCT



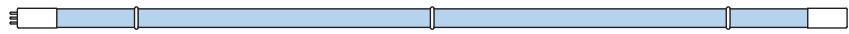
HIGH QUALITY UV LAMPS

At the heart of the UV Sterilizer is the germicidal lamp. SITA UV offers a complete range of powerful, high-output UV lamps, German-manufactured for superior energy efficiency and longevity.



HIGH OUTPUT (HO), LOW PRESSURE

Available in 40/80 watt output, HO lamps produce up to six times the UV-C output compared to standard UV lamps. Lamp life is 9,000 hours.



HIGH OUTPUT AMALGAM, LOW PRESSURE

Available in 200/400 watt output, Amalgam lamps provide the most efficient power in the smallest footprint. Long life span 14,000 / 16,000 hours.



MEDIUM PRESSURE (MP)

Available in 600/2000/3500/8000 watt outputs. MP units provide high power disinfection for high flow rate applications in a small footprint. Lamp life 8,000-10,000 hours

UV VESSEL OPTIONS

SITA UV Sterilizers are available with a complete range of options to meet the specific needs of the project.

UV VESSEL MATERIAL

Standard UV vessels are manufactured in either high quality, polished and passivated **304/316L Stainless Steel** or **High Density Poly Ethylene (HDPE)** for warm saltwater applications.



UV VESSEL CONFIGURATIONS



U-TYPE



Z-TYPE



L-TYPE

UV VESSEL MOUNTING OPTIONS



STANDARD VESSEL



INTEGRATED SUPPORT LEGS



SELF-SUPPORTING UPRIGHT

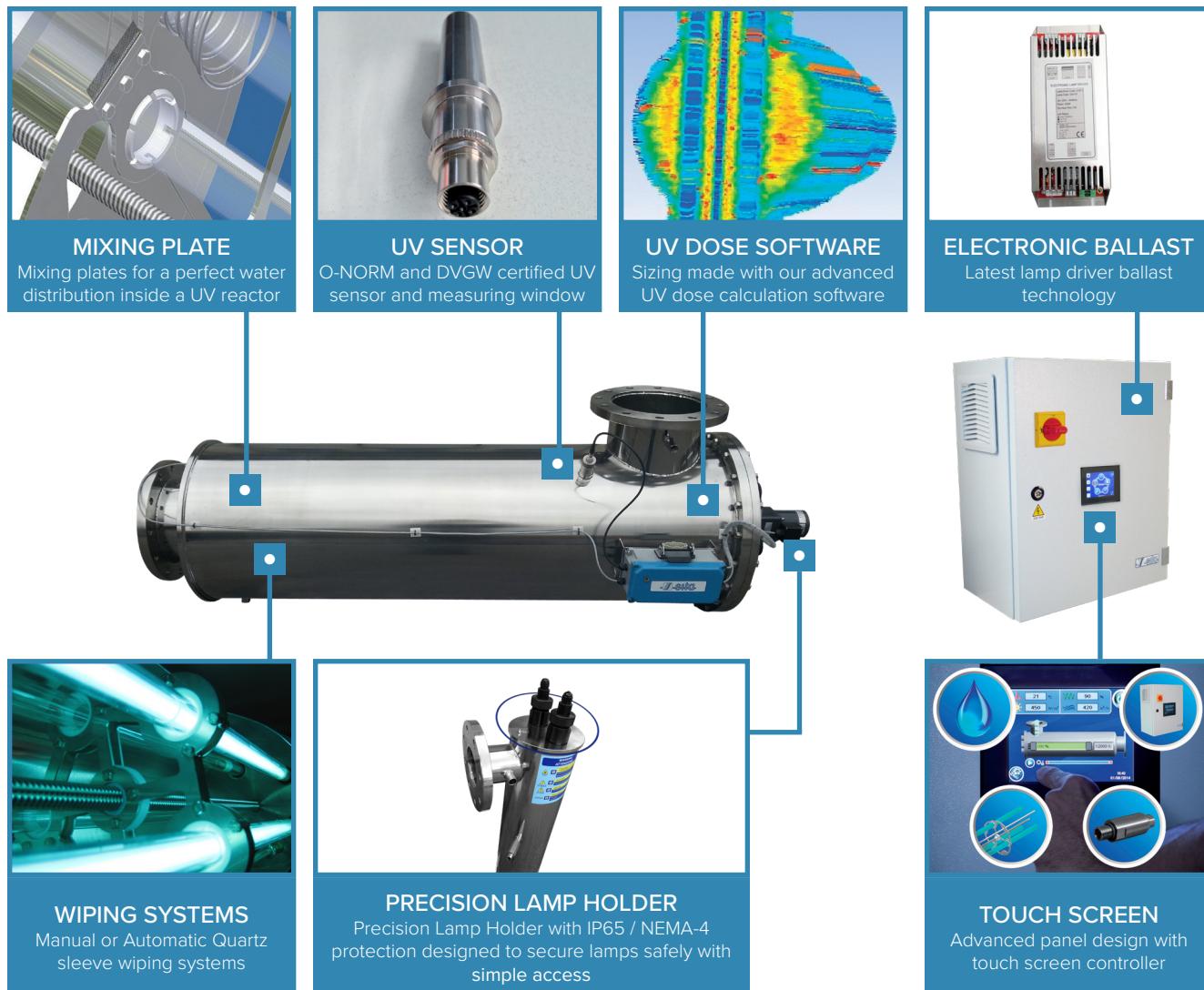
FEATURES & OPTIONS

SITA uses the most advanced technologies for the sizing and production of their UV sterilizers.

Every unit is dimensioned through a SITA software able to calculate the UV-dosage given to the equipment and advanced CFD software (Computational Fluid Dynamics) which evaluates the right flow of water through the UV vessel.

SITA UV Sterilizers are also available with a complete range of options to meet the specific needs of the project.

INTEGRATED-AQUA™



HIGH OUTPUT - STAINLESS STEEL SERIES UV STERILIZERS

High Output Stainless Steel (HO-SS) Series UV sterilizers are economical and compact units designed for light commercial applications including research systems, aquatic life support, ponds and water features. Simple to install and service.

- HO-SS Series utilize 80W high output low pressure lamps housed in a high quality polished & passivated 304 stainless steel vessel (standard)
- Vertical self-supporting upright design for simple installation and small footprint
- 1 to 5 lamp configuration – wide range of performance
- Microprocessor based control system
- 1 & 2 lamp units standard with UL listed plug-in ballasts. Controller upgrades available



UV480

UV 80/3



OPTIONS

- U-TYPE Inlet/Outlet configuration
- Manual Quartz Sleeve Wiping System
- UV Intensity Sensor
- 316L stainless steel vessel material upgrade

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			
80/1	1 / 80W	80	304	Z-TYPE	29	5	1.5" NPT	36"	AL OR LCD
80/2	2 / 80W	160	304	Z-TYPE	56	9	1.5" NPT	36"	AL OR LCD
80/3	3 / 80W	240	304	Z-TYPE	98	16	2" NPT	35"	LCD
80/4	4 / 80W	320	304	Z-TYPE	140	23	3" NPT	40"	LCD
80/5	5 / 80W	400	304	Z-TYPE	171	29	3" NPT	40"	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 ***

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

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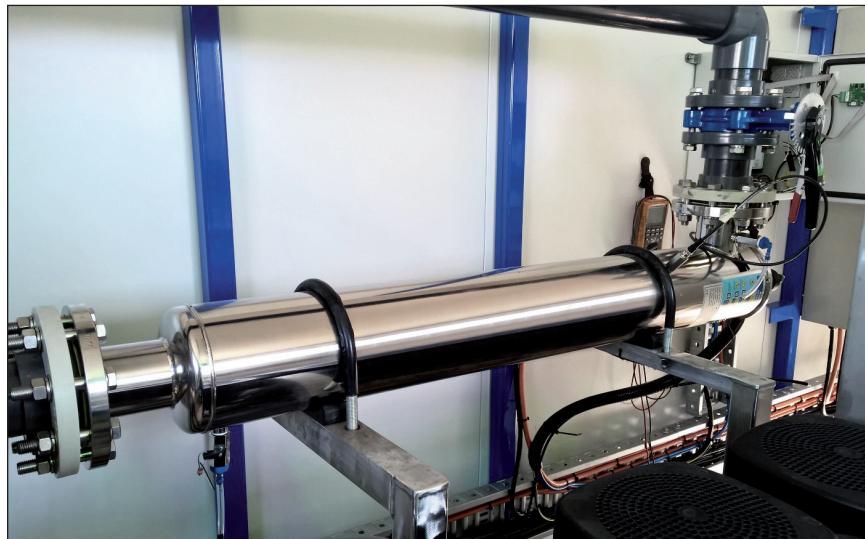
AM SERIES UV STERILIZERS

Amalgam (AM) Series Stainless Steel UV units utilize powerful 200W low pressure amalgam lamps to produce highest UV dose in a small footprint. With few lamps and short length, this is the ideal UV for flows from 100 to 500 GPM. Standard "L" Shaped configuration offers flexibility for installation, allowing for either vertical or horizontal mounting.

- Standard "L" Shape configuration for vertical or horizontal mounting
- High-Output Low-Pressure Amalgam Lamps, rated up to 14,000 hours
- Standard ANSI 316L stainless steel vessel construction
- Pressure rated to 145 PSI

OPTIONS

- Vertical floor mount configuration U-Type or Z-Type Inlet/Outlet
- Manual or Automatic Quartz Sleeve Wiping Systems
- Onboard UVT Sensor



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			
AM 24	1 / 200W	200	316	L-TYPE	96	16	2" ANSI FLANGE	51"	LCD
AM 50	2 / 200W	400	316	L-TYPE	188	31	3" ANSI FLANGE	54"	LCD
AM 60	2 / 200W	400	316	L-TYPE	214	36	3" ANSI FLANGE	54"	LCD
AM 96	3 / 200W	600	316	L-TYPE	326	54	4" ANSI FLANGE	55"	LCD OR ST
AM 125	4 / 200W	800	316	L-TYPE	427	71	4" ANSI FLANGE	55"	LCD OR ST
AM 160	4 / 200W	800	316	L-TYPE	492	82	4" ANSI FLANGE	56"	LCD OR ST

NOTES: UV sizing based on End of Lamp Life (EOL) after 14,000 hours, 20°C, US EPA UVDGM Point Source Summation calculation approach, 1000 segments sources for each lamp

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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

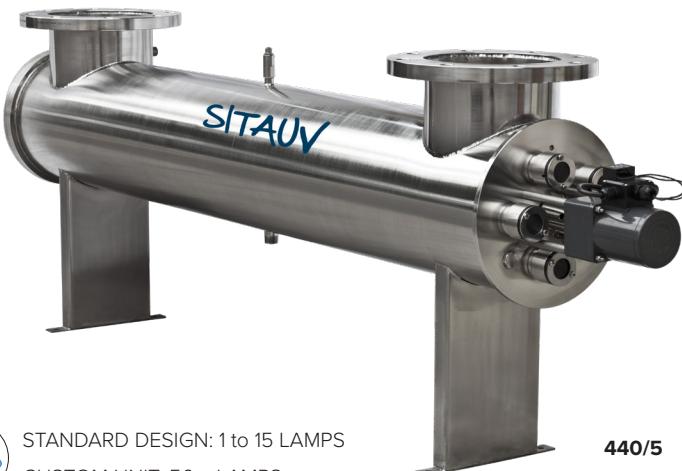
UV MODEL	NUMBER OF LAMPS	NOMINAL TOTAL LAMP WATTAGE	VESSEL MATERIAL	VESSEL TYPE	FLOW RATE AT 90%UVT (US GPM)		INLET / OUTLET (Inches)	UV VESSEL LENGTH (Inches)	CONTROLLER OPTIONS
					UV-C DOSE 30 mJ/cm ²	UV-C DOSE 180 mJ/cm ²			
PE 20	1 / 200W	200	HDPE	Z or U TYPE	83	14	4" ANSI FLANGE	50"	ST or ECOLINE
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 UV-DGM 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.

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AUTOMATIC CLEANING SYSTEM

STANDARD DESIGN: 1 to 15 LAMPS
CUSTOM UNIT: 50 + LAMPS

The 440 Series UV Sterilizer is one of the most powerful low pressure UV Sterilizers on the market. With its high power 440W amalgam lamps, this UV can handle large flow rates with fewer lamps than others on the market. With a standard range from 1 to 15 lamp models, flows can range from 200 gpm all the way up to 8,890 gpm. Standard vessel in 316L Stainless Steel in "U" shaped configuration with built-in support legs for ease of installation and plumbing.

- "U" Shaped vessel with support legs for horizontal mounting
- High-Quality Low-Pressure Amalgam Lamps, rated for 16,000 hours
- Adjustable lamp power regulation (50% to 100%)
- ANSI 316L Stainless Steel is Standard
- 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)
- Larger custom units available with up to 50 lamps



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			
440/1	1	440	316	L-Type	203	34	3" ANSI FLANGE	71"	ECOLINE or ST
440/2	2	880	316	L-Type	446	75	4" ANSI FLANGE	71"	ECOLINE or ST
440/3	3	1320	316	L-Type	632	106	6' ANSI FLANGE	71"	ECOLINE or ST
440/4	4	1760	316	L-Type	985	165	8* ANSI FLANGE	71"	ECOLINE or ST
440/5	5	2200	316	L-Type	1189	199	8* ANSI FLANGE	71"	ST
440/6	6	2640	316	L-Type	1540	257	10" ANSI FLANGE	71"	ST
440/8	8	3520	316	L-Type	2112	353	10" ANSI FLANGE	71"	ST
440/10	10	4400	316	L-Type	2731	456	12" ANSI FLANGE	71"	ST
440/12	12	5280	316	L-Type	3266	546	14" ANSI FLANGE	71"	ST
440/15	15	6600	316	L-Type	3935	658	16" ANSI FLANGE	71"	ST
440/18	18	7920	316	L-Type	5149	860	20" ANSI FLANGE	87"	ST
440/22	22	9680	316	L-Type	6211	1038	20" ANSI FLANGE	87"	ST
440/28	28	12320	316	L-Type	8891	1486	24" ANSI FLANGE	87"	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

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SMP SERIES UV STERILIZERS

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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



SMP 6



SMP20 ECO

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/cm ²	UV-C DOSE 180 mJ/cm ²			
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 ***

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

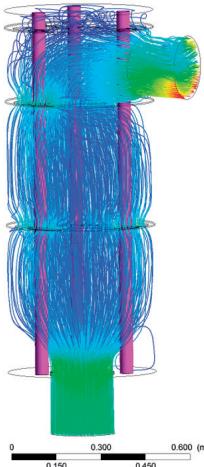
NOTES: UV sizing based on End of Lamp Life (EOL) after 16,000 hours, 20°C, US EPA UVDGM Point Source Summation calculation approach, 1000 segments sources for each lamp

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IT SERIES UV STERILIZERS

IT Series is designed for applications that require third party certification. IT Series UV Sterilizers are biodosimetrically tested according to Austrian norm: O-NORM 5873-1 to fulfill the EPA requirements contained in the Ultra Violet Guidance Manual. Special mixing plates inside the ANSI stainless steel 316L UV reactor to guarantee a correct distribution of the water. Perfect for drinking water or food and beverage applications.

- Validated ONORM M5873-1
- "L" Shape configuration for vertical or horizontal mounting
- Flow Rates and UV Doses validated via Biodosimeter Test (O-NORM 5873-1) and CFD Analysis
- 316L Stainless Steel Vessel internally/externally polished
- Automatic Wiping System
- Pressure rated to 130 PSI



ÖNORM M 5873-1
BIODOSIMETER TEST



UV 400 IT MODEL



UV 40 IT MODEL

UV VESSELS

IT 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			
UV 10 IT	1 / 200W	200	316	L-TYPE	53	9	2" NPT	53"	LCD
UV 40 IT	6 / 80W	480	316	L-TYPE	125	21	4" ANSI FLANGE	52"	ST
UV 80 IT	2 / 400W	800	316	L-TYPE	231	39	4" ANSI FLANGE	76"	ST
UV 120 IT	3 / 400W	1200	316	L-TYPE	365	61	6" ANSI FLANGE	82"	ST
UV 200 IT	4 / 400W	1600	316	L-TYPE	548	91	8" ANSI FLANGE	82"	ST
UV 400 IT	6 / 400W	2400	316	L-TYPE	825	137	10" ANSI FLANGE	84"	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 9000 hours for 80W lamps, 14,000 hours for 200W lamps, and 16,000 hours for 400W lamps.

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AL Series
Plug-In Ballast AL² Series
includes digital
hour meter
display



UV CONTROL PANELS

SITA UV offers a complete line of UV Control Panels to suit any application. From the most basic Plug-In type ballast to the most advanced ST Control Panel with a complete range of monitoring and control functions available.



PLUG-IN BALLAST AL SERIES

AL series controller is a UL Listed Basic plug-in ballast economical and compact. AL series includes an LED light on/off indicator and comes prewired for field plug installation.

LCD SERIES

LCD Series Control Panels include a microprocessor-controlled LCD display with a resettable hour meter, alarm relay contacts, remote on/off contact. Available with IP55 or IP65 protection.

LCD PLUS OPTIONS

- Vessel Temperature Display with High Temp Cutout
- UV Intensity Sensor (% or W/m²)
- 4-20mA Output for UV intensity & water temperature
- Audible Alarm
- Painted steel standard. Thermoplastic enclosure optional
- IP54/NEMA 12 Standard enclosure rating. IP66/NEMA 4X optional



ST SERIES

SITA UV's most advanced control panel comes loaded with the latest UV technology. ST Series utilizes SITA's new touchscreen controller with a larger 7" HMI standard, which gives users complete monitoring, data logging, alarms, diagnostics, remote communications, and control functionality. ST Controller includes lamp dimming with all units. Choose from manual or automatic ECO power regulation for optimal electrical usage (range 50 – 100% automatic flow pacing). ST Panels come standard in an IP 54 class painted steel control panel and are available with multiple upgrades to meet the project requirements.



SITA UV TOUCH SCREEN

SITA UV New Touch Screen Controller comes standard with all ST Control Panels and offers a comprehensive range of powerful diagnostic, control, remote communications, and configurable options to maximize performance of your UV sterilization system.



INTEGRATED-AQUA

- Crystal-clear user-friendly display touch screen accessible even with gloves
- View diagnostics and settings for each specific component of the UV system including lamps, electrical panel, sensors, and cleaning system
- Advanced Communications via ports USB, serial, Ethernet and CANopen. Includes analog I/O for temperature and irradiance outputs
- Set Datalogger to record events
- Set maintenance schedules and automatic cleaning procedure
- Remotely access controller via smart phone, PC or tablet using WebGate application available from App Store and Google Play.

SETTINGS MENU

- Lamps
- Electrical Panel
- Sensors
- Cleaning System
- Flow rate and %UVT Parameters

UV CONTROL PANELS

CONTROLLERS



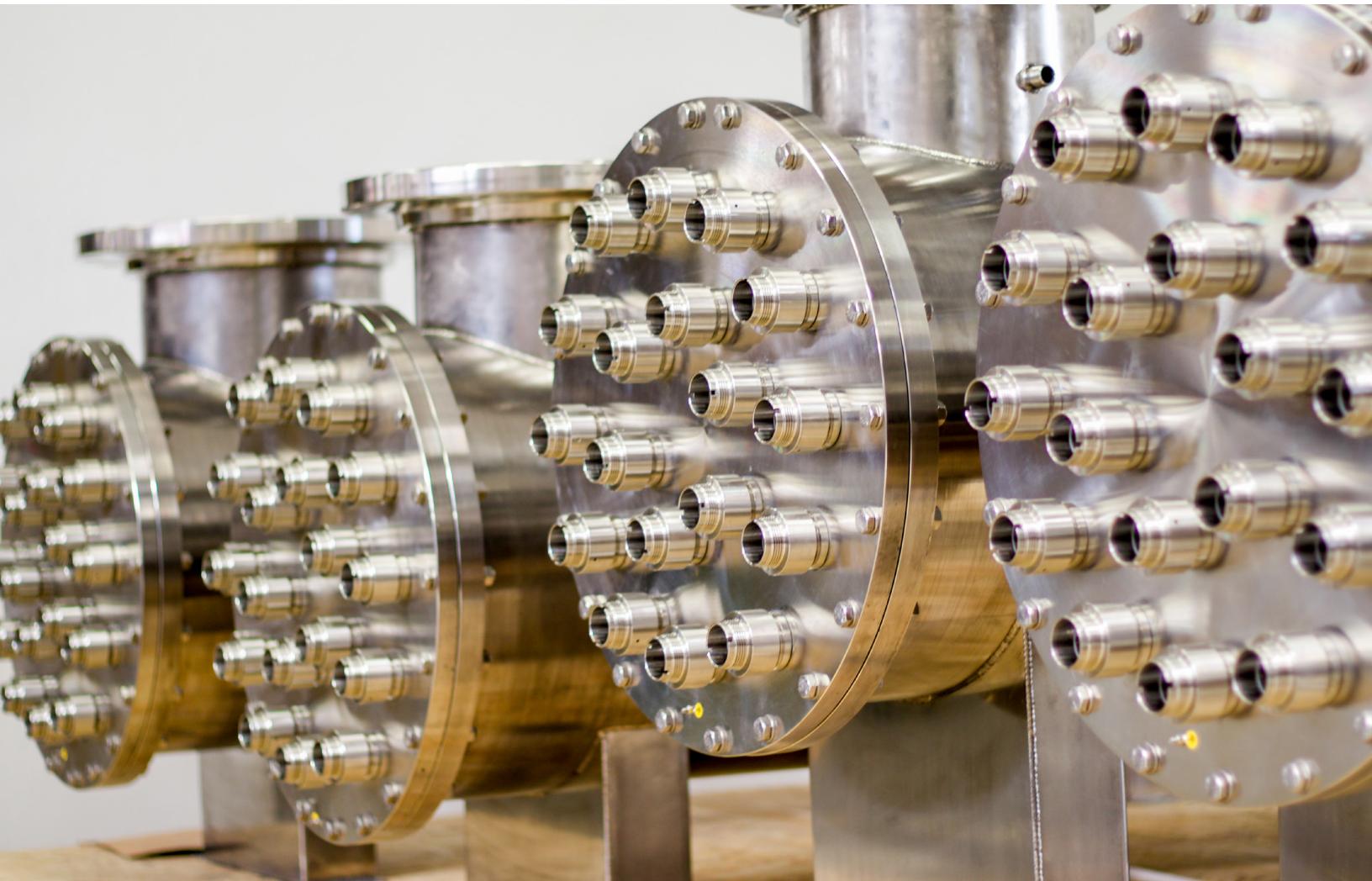
ST CONTROL PANEL OPTIONS

- IP 67 Enclosure, Stainless Steel or FRP
- Enclosure AC unit
- UV Dose Calculation
- Automatic lamp dimming (50 – 100% power regulation, flow pacing)
- Automatic quartz sleeve wiping control
- 4-20mA Output for Flowmeter & UVT signal duplication
- External Communications options including CAN, Ethernet, USB, Serial (Modbus, TCP/IP, CANopen)





SCAN ME



INTEGRATED-AQUA™

1235 Activity Dr., Suite A
Vista, CA 92081

sales@integrated-aqua.com
(760) 745-2201

Visit us @ www.integrated-aqua.com

