BASIC AND MONITORED MODELS

The ***Sterilight Silver***™ line of disinfection systems is the long time "workhorse" of the Sterilight product line. These UV systems are available in many sizes to suit your POU or POE (whole home) application.

WHY SELECT THE STERILIGHT SILVER SERIES UV SYSTEM?

- **Sterilume**™**-EX** coated low pressure germicidal UV lamps, provide an economical way of treating water requiring a 99.99% reduction in bacteria, viruses and protozoan cysts *(Giardia lamblia* and *Cryptosporidium*). These lamps feature a proprietary coating providing consistent UV output over the life of the lamp (9000 hours) to ensure continuous disinfection.
- UV treatment is nature's inexpensive, chemical free way to ensure safe water
- Low maintenance and easily serviced to ensure safe drinking water
- Lamp can be changed without interrupting the water flow
- Stainless steel reactor provides long life and eliminates the possibility of degradation from exposure to high intensity UV light
- **Silver**™ **ICE** controller provides constant output current and a universal power input (100-240V./50-60Hz.), as well as visually displaying remaining lamp life and total days of operation and in the monitored systems, % UV output. The controller will go into alarm if the lamp fails for any reason to notify you of the failure and keep your family safe.
- Sealed case on the controller helps to prevent damage from accidental water intrusion

WHAT DOES THE **MONITORED** SYSTEM DO?

- Monitored systems have a true 254nm UV intensity monitor to warn you of any changes in water quality that may cause the water to become unsafe to drink.
- A powered solenoid output allows a normally closed solenoid valve (sold separately) to be connected directly into the controller. This valve will stop the water flow when the intensity monitor indicates the water may be unsafe to drink.
- An optional Y-cable is available that allows a remote monitoring system to log UV data by tracking a 4-20mA output signal. All this is packaged in a new water-tight case and is fully CSA and CE compliant.

WATER IQ

*In addition to bacteria **(E. coli)**, virus, algae, mould and others, Sterilight UV systems are effective against protozoa such as **Cryptosporidium** and **Giardia lamblia**. UV effectively **DESTROYS** these protozoan cysts at dosage levels well within the levels delivered by all Sterilight ultraviolet disinfection systems.*

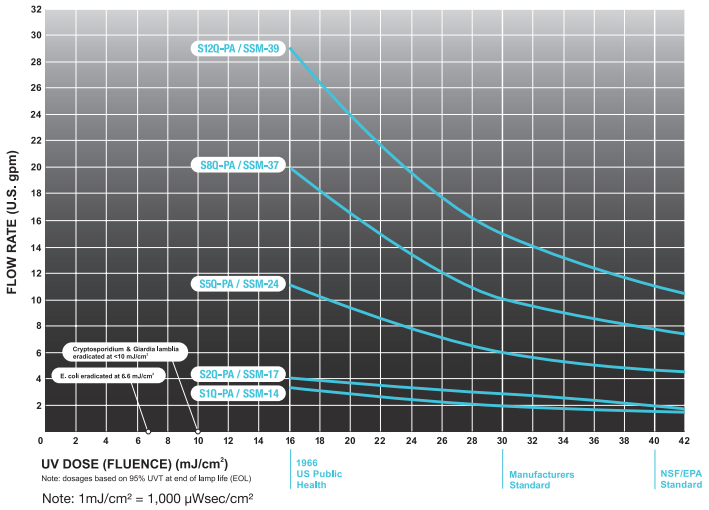
MONITORED
SSM-14 – flow rates of 7.5 L/min (2 gpm)
SSM-17 – flow rates of 11 L/min (3 gpm)
SSM-24 – flow rates of 22.7 L/min (6 gpm)
SSM-37 – flow rates of 37.9 L/min (10 gpm)
SSM-39 – flow rates of 57 L/min (15 gpm)

BASIC
S1Q-PA – flow rates of 7.5 L/min (2 gpm)
S2Q-PA – flow rates of 11 L/min (3 gpm)
S5Q-PA – flow rates of 22.7 L/min (6 gpm)
S8Q-PA – flow rates of 37.9 L/min (10 gpm)
S12Q-PA – flow rates 57 L/min (15 gpm)

SPECIFICATIONS

MODEL	S1Q-PA/ SSM-14	S2Q-PA/ SSM-17	S5Q-PA/ SSM-24	S8Q-PA/ SSM-37	S12Q-PA/ SSM-39
FLOW RATES[1]					
US Public Health (16 mJ/cm²)	12.3 lpm (3.3 gpm) (0.7 m³/hr)	15 lpm (4 gpm) (0.9 m³/hr)	41.6 lpm (11 gpm) (2.5 m³/hr)	75.7 lpm (20 gpm) (4.5 m³/hr)	110 lpm (29 gpm) (6.6 m³/hr)
VIQUA Standard (30 mJ/cm²)	7.5 lpm (2 gpm) (0.5 m³/hr)	11 lpm (3 gpm) (0.7 m³/hr)	22.7 lpm (6 gpm) (1.4 m³/hr)	37.9 lpm (10 gpm) (2.3 m³/hr)	57 lpm (15 gpm) (3.4 m³/hr)
NSF/EPA (40 mJ/cm²)	5.5 lpm (1.5 gpm) (0.3 m³/hr)	7.5 lpm (2 gpm) (0.5 m³/hr)	17 lpm (4.5 gpm) (1.0 m³/hr)	29.3 lpm (7.8 gpm) (1.8 m³/hr)	42 lpm (11 gpm) (2.5 m³/hr)
DIMENSIONS					
Reactor	39.4 cm x 6.4 cm (15.5" x 2.5")	43.4 cm x 6.4 cm (17.1" x 2.5")	56.1 cm x 6.4 cm (22.1" x 2.5")	90.4 cm x 6.4 cm (35.6" x 2.5")	95.3 cm x 8.9 cm (37.5" x 3.5")
Controller	21.1 cm x 8.1 cm x 6.4 cm (8.3" x 3.2" x 2.5")	21.1 cm x 8.1 cm x 6.4 cm (8.3" x 3.2" x 2.5")	21.1 cm x 8.1 cm x 6.4 cm (8.3" x 3.2" x 2.5")	21.1 cm x 8.1 cm x 6.4 cm (8.3" x 3.2" x 2.5")	21.1 cm x 8.1 cm x 6.4 cm (8.3" x 3.2" x 2.5")
Inlet/Outlet Port Size	1/4" MNPT	1/2" MNPT	3/4" MNPT	3/4" MNPT	Combo 3/4" FNPT/1"MNPT
Shipping Weight	2.7 kg (6 lbs.)	3.2 kg (7 lbs.)	3.6 kg (8 lbs.)	5.0 kg (11 lbs.)	5.9 kg (13 lbs.)
ELECTRICAL					
Voltage	100-240V./50-60Hz	100-240V./50-60Hz	100-240V./50-60Hz	100-240V./50-60Hz	100-240V./50-60Hz
Power Consumption	19 W	22 W	30 W	46 W	48 W
Lamp Watts	14 W	17 W	25 W	37 W	39 W
Maximum Operating Pressure	8.62 bar (125 psi)	8.62 bar (125 psi)	8.62 bar (125 psi)	8.62 bar (125 psi)	8.62 bar (125 psi)
Ambient Water Temperature	2-40°C (36-104°F)	2-40°C (36-104°F)	2-40°C (36-104°F)	2-40°C (36-104°F)	2-40°C (36-104°F)
Lamp Type	Sterilume™ - EX (standard-output)				
Visual "Power-On"	Yes	Yes	Yes	Yes	Yes
Audible Lamp Failure	Yes	Yes	Yes	Yes	Yes
Lamp Replacement Reminder	Yes	Yes	Yes	Yes	Yes
Visual Lamp Life Remaining	Yes	Yes	Yes	Yes	Yes
Total Running Time	Yes	Yes	Yes	Yes	Yes
Chamber Material[2]	304 SS	304 SS	304 SS	304 SS	304 SS
SSM MODELS ONLY	**SSM-14**	**SSM-17**	**SSM-24**	**SSM-37**	**SSM-39**
254nm UV Monitor	Yes	Yes	Yes	Yes	Yes
Solenoid Output *(solenoid not included)*	Yes	Yes	Yes	Yes	Yes
4-20 mA Output	Yes (optional 260134)				

[1] Flow rates stated @ 95% UVT EOL [2] 316 stainless steel available on request



Note: 1mJ/cm² = 1,000 µWsec/cm²

REPLACEMENT PARTS

S287RL – replacement UV lamp for S1Q-PA/SSM-14
S330RL – replacement UV lamp for S2Q-PA/SSM-17
S463RL – replacement UV lamp for S5Q-PA/SSM-24
S810RL – replacement UV lamp for S8Q-PA/SSM-37
S36RL – replacement UV lamp for S12Q-PA/SSM-39
QS-001 – quartz sleeve for S1Q-PA/SSM-14
QS-330 – quartz sleeve for S2Q-PA/SSM-17
QS-463 – quartz sleeve for S5Q-PA/SSM-24
QS-810 – quartz sleeve for S8Q-PA/SSM-37
QS-012 – quartz sleeve for S12Q-PA/SSM-39
OR-212 – o-ring for quartz sleeves
RN-001 – gland-nut for all systems
BA-ICE-S – electronic ICE controller (100-240V./50-60Hz.)
BA-ICE-SM – electronic ICE monitored controller (100-240V./50-60Hz.)
254NM-S1 – UV monitor assembly for Silver "Plus" series (all except S12Q-PA)
254NM-S2 – UV monitor assembly for Silver "Plus" series (S12Q-PA)

WARRANTY

Sterilight disinfection systems carry a seven year warranty on the stainless steel reactor chamber, a one year warranty on UV lamps, quartz sleeves, and UV sensor, and a five year pro-rated warranty on all other components.

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