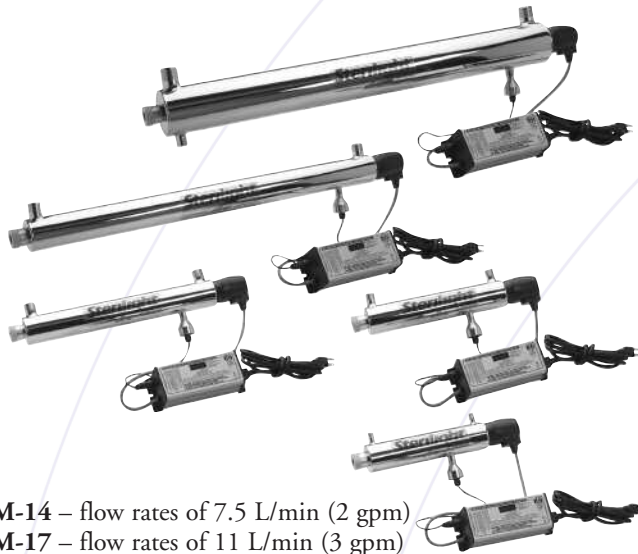




model



SSM-14, SSM-17, SSM-24, SSM-37, SSM-39

The *Sterilight Silver™* "PLUS" line of disinfection systems is a new product offering based on our traditional "PA" series of products. This new line now incorporates a UV intensity monitor in a modular line of ultraviolet disinfection systems that can be used in a myriad of applications where water quality is unknown and/or a UV monitoring system is required. The small SSM-14 and SSM-17 systems are ideally suited for point-of-use filtration, RO pre or post disinfection, while the larger SSM-24 through SSM-39 systems can be used on a point-of-entry (whole home) system disinfecting the water for an entire home or cottage. Using Sterilume™-EX coated low pressure germicidal UV lamps, these systems provide an economical way of treating water requiring a 99.99% reduction in bacteria and viruses. These systems are manufactured from 304 stainless steel and incorporate our Silver™ ICE (BA-ICE-SM) controller providing constant output current and a universal power input (100-240V/50-60Hz.), as well as visually displaying % UV output, remaining lamp life and total days of operation. Coupled with a true 254nm UV intensity monitor, these systems are able to continuously monitor the system and warn you of any changes in water quality or if the water becomes unsafe to drink. The system also comes with a powered solenoid output that allows you to hook a normally closed solenoid valve (sold separately) directly into the controller. Additionally, an optional Y-cable is available that provides a 4-20mA output for a physical connection to a remote monitoring system to log UV data. All this is packaged in a new water-tight case and comes fully CSA and CE compliant.



- 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)

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.

- **NEW Silver™ ICE** electronic controller featuring constant output current over the entire operating range independent of voltage or frequency. This controller covers 100-240V/50/60Hz. and comes with a 4-segment visual display indicating *Lamp Life Remaining, Total Controller Running Time, and UV Intensity*. The controller has active power factor correction and comes in a redesigned water-tight enclosure. 
- **UV Sensor** - discrete 254nm UV sensor for stable long-life reliability. UV sensor completely enclosed in a solid water-tight stainless steel housing. 
- **Sterilume™-EX** UV lamps, these hard glass, 254nm ultraviolet lamps feature advanced proprietary lamp coating allowing for more consistent UV output over the life of the lamp coupled with improved temperature distribution. The result is that Sterilume™-EX lamps provide the required output over the entire 9000 hour lamp life.
- over-moulded connector allows for quick and simple removal of the lamp connector without any special tools or assistance
- easy servicing – no need to disconnect water flow to change UV lamp
- open end quartz sleeves and aluminum gland nuts for optimum operating temperature and sealing efficiency
- compact design incorporating 304 stainless steel reactor chambers, brilliantly polished for laboratory or medical applications
- 4-log (99.99%) destruction of bacteria, virus and protozoan cysts (*Giardia lamblia* and *Cryptosporidium*) at rated flow
- nature's way to protect your water without the addition of harmful chemicals
- seven year warranty on reactor chamber for unparalleled protection
- drain port for reactor chamber flushing (for model SSM-39 only)

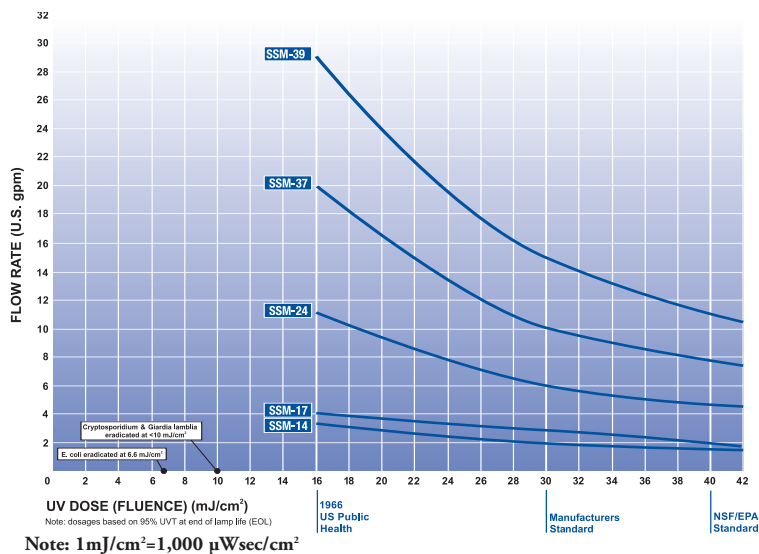
ensuring the safety of your water

model SSM-14, SSM-17, SSM-24, SSM-37, SSM-39

SPECIFICATIONS		SSM-14	SSM-17	SSM-24	SSM-37	SSM-39
Flow Rate ¹	US Public Health 16 mJ/cm ²	12.3 lpm (3.3 gpm) (0.7 m ³ /hr)	15 lpm (4 gpm) (0.9 m ³ /hr)	41.6 lpm (11 gpm) (2.5 m ³ /hr)	75.7 lpm (20 gpm) (4.5 m ³ /hr)	110 lpm (29 gpm) (6.6 m ³ /hr)
	R-Can Standard 30 mJ/cm ²	7.5 lpm (2 gpm) (0.5 m ³ /hr)	11 lpm (3 gpm) (0.7 m ³ /hr)	22.7 lpm (6 gpm) (1.4 m ³ /hr)	37.9 lpm (10 gpm) (2.3 m ³ /hr)	57 lpm (15 gpm) (3.4 m ³ /hr)
	NSF/EPA 40 mJ/cm ²	5.5 lpm (1.5 gpm) (0.3 m ³ /hr)	7.5 lpm (2 gpm) (0.5 m ³ /hr)	17 lpm (4.5 gpm) (1.0 m ³ /hr)	29.3 lpm (7.8 gpm) (1.8 m ³ /hr)	42 lpm (11 gpm) (2.5 m ³ /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
254nm UV Monitor		Yes	Yes	Yes	Yes	Yes
Solenoid Output (solenoid not incl.)		Yes	Yes	Yes	Yes	Yes
4-20 mA Output		Yes (optional 260134)	Yes (optional 260134)	Yes (optional 260134)	Yes (optional 260134)	Yes (optional 260134)
Chamber Material ²		304 SS	304 SS	304 SS	304 SS	304 SS

¹ Flow rates stated @ 95% UVT EOL

² 316L stainless steel available on request



Replacement Parts

- S287RL – replacement UV lamp for SSM-14
- S330RL – replacement UV lamp for SSM-17
- S463RL – replacement UV lamp for SSM-24
- S810RL – replacement UV lamp for SSM-37
- S36RL – replacement UV lamp for SSM-39
- QS-001 – quartz sleeve for SSM-14
- QS-330 – quartz sleeve for SSM-17
- QS-463 – quartz sleeve for SSM-24
- QS-810 – quartz sleeve for SSM-37
- QS-012 – quartz sleeve for SSM-39
- OR-212 – o-ring for quartz sleeves
- BA-ICE-SM – monitored controller (100-240V./50-60Hz.)

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

For further information contact:



R-can
ENVIRONMENTAL INC

425 Clair Rd. West, P.O. Box 1719
Guelph, Ontario, Canada N1L 1R1
t. 519.763.1032 • f. 519.763.5069
t.f. 1.800.265.7246
www.r-can.com • water@r-can.com

EPA Establishment
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