



cobalt uv disinfection

model

SC-200, SC-320, SC-600, SC-740

The **Sterilight Cobalt™** “BASIC” line of disinfection systems incorporate high-output UV lamp technology coupled with efficient axial flow reactors. This modular line of UV disinfection systems in flow rates of 8-40 gpm (30.3-151.4 lpm), are ideally suited for commercial/industrial, point-of-entry applications with high flow rates and constant flow demands. Using high-output, Sterilume™-HO coated low pressure germicidal UV lamps, coupled with 304 stainless steel, axial flow reactors, the Cobalt systems offer a compact installation footprint, yet provide a high flow throughput. Systems also incorporate the Cobalt™ ICE (BA-ICE-C) controller providing 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. All this is packaged in a water-tight case and comes fully CSA and CE compliant.



- SC-200 - flow rates of 30.3 lpm (8 gpm)
- SC-320 - flow rates of 49.2 lpm (13 gpm)
- SC-600 - flow rates of 121.1 lpm (32 gpm)
- SC-740 - flow rates of 151.4 lpm (40 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 Cobalt™ 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 and Total Controller Running Time*. The controller has active power factor correction and comes in a redesigned water-tight enclosure.
- **Sterilume™-HO UV lamps** - These lamps feature an advanced proprietary coating allowing for consistent UV output over the entire life of the lamp, which is one year or 9000 hours. They also offer more UV energy in a smaller, more compact space.
- compact design incorporating 304 stainless steel axial flow reactor chambers with 600 grit polish (A249 pressure rated tube)
- easy servicing – no need to disconnect water flow to change UV lamp
- over-moulded connector allows for quick and simple removal of the lamp connector without any special tools or assistance
- domed quartz sleeves and aluminum gland nuts for optimum operating temperature and sealing efficiency
- 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
- compact design requiring small installation footprint
- seven year warranty on reactor chamber for unparalleled protection

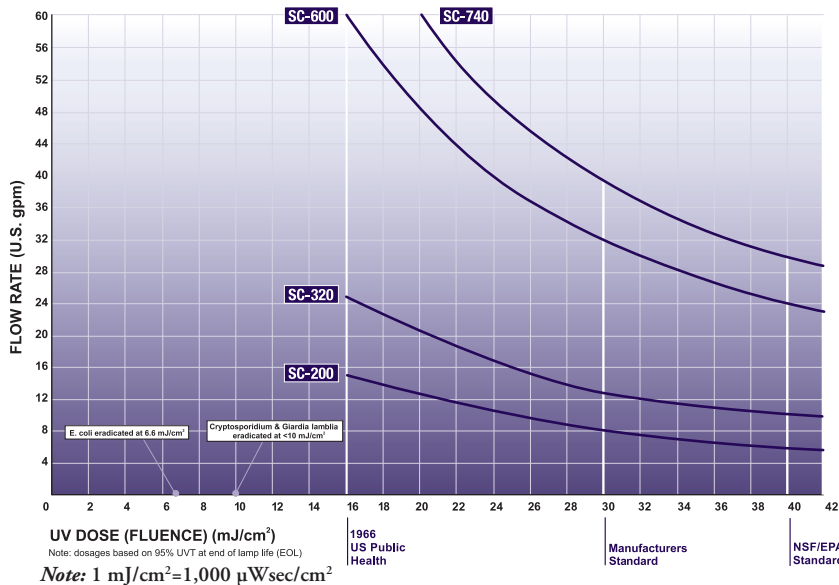


ensuring the safety of your water

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SPECIFICATIONS		SC-200	SC-320	SC-600	SC-740
Flow Rate ¹	US Public Health 16 mJ/cm ²	56.8 lpm (15 gpm) (3.4 m ³ /hr)	94.6 lpm (25 gpm) (5.7 m ³ /hr)	227.1 lpm (60 gpm) (13.6 m ³ /hr)	227.1 lpm (60 gpm) (13.6 m ³ /hr)
	R-Can Standard 30 mJ/cm ²	30.3 lpm (8 gpm) (1.8 m ³ /hr)	49.2 lpm (13 gpm) (3.0 m ³ /hr)	121.1 lpm (32 gpm) (7.3 m ³ /hr)	151.4 lpm (40 gpm) (9.1 m ³ /hr)
	NSF/EPA 40 mJ/cm ²	22.7 lpm (6 gpm) (1.4 m ³ /hr)	37.8 lpm (10 gpm) (2.3 m ³ /hr)	90.8 lpm (24 gpm) (5.5 m ³ /hr)	113.6 lpm (30 gpm) (6.8 m ³ /hr)
Dimensions	Reactor	45.2 cm x 8.9 cm (17.8" x 3.5")	57.9 cm x 8.9 cm (22.8" x 3.5")	78.0 cm x 8.9 cm (30.7" x 3.5")	100.0 cm x 8.9 cm (39.7" x 3.5")
	Controller	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")
Inlet/Outlet Port Size		Combo - 3/4" FNPT/ 1" MNPT	1" MNPT	1" MNPT	1" MNPT
Shipping Weight		5.4 kg (12 lbs)	6.8 kg (15 lbs)	8.6 kg (19 lbs)	10.9 kg (24 lbs)
Electrical	Voltage	100-240V/50-60Hz	100-240V/50-60Hz	100-240V/50-60Hz	100-240V/50-60Hz
	Power Consumption	35 W	42 W	73 W	88 W
	Lamp Watts	30 W	36 W	65 W	80 W
Maximum Operating Pressure		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)
Lamp Type		Sterilume™-HO (high-output)			
Visual "Power-On"		Yes	Yes	Yes	Yes
Audible Lamp Failure		Yes	Yes	Yes	Yes
Lamp Replacement Reminder		Yes	Yes	Yes	Yes
Visual Lamp Life Remaining		Yes	Yes	Yes	Yes
Total Running Time		Yes	Yes	Yes	Yes
Chamber Material		304 SS	304 SS	304 SS	304 SS

¹ Flow rates stated @ 95% UVT EOL



Replacement Parts

- S200RL-HO - UV lamp for SC-200
- S320RL-HO - UV lamp for SC-320
- S600RL-HO - UV lamp for SC-600
- S740RL-HO - UV lamp for SC-740
- QS-200 - quartz sleeve for SC-200
- QS-320 - quartz sleeve for SC-320
- QS-600 - quartz sleeve for SC-600
- QS-740 - quartz sleeve for SC-740
- OR-212 - o-ring for all quartz sleeves
- RN-001 - aluminum gland-nut for all systems
- BA-ICE-C - 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, and a five year pro-rated warranty on all other components.

For further information please contact:



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