BASIC AND MONITORED MODELS

The ***Sterilight Cobalt***™ line of disinfection systems incorporate high-output UV lamp technology coupled with efficient axial flow reactors, to give you a compact footprint for easy installation.

WHAT MAKES THE COBALT GOOD FOR YOUR APPLICATION?

- **Sterilume**™**-HO** UV lamps - feature an advanced proprietary coating allowing for consistent UV output over the entire life of the lamp, (9000 hours). High Output lamp technology allows you to treat high flow rates, in a more compact space
- 4-log (99.99%) destruction of bacteria, virus and protozoan cysts (*Giardia lamblia* and *Cryptosporidium*) at rated flow will keep your water safe to drink without adding chemicals
- **Cobalt**™ **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
- Stainless steel reactor provides long life and eliminates the possibility of degradation from exposure to high intensity UV light
- Compact design reduces installation time and takes less space
- Lamp can be changed without interrupting the water flow

WHY SHOULD I CONSIDER A **MONITORED** MODEL?

- If water quality is variable, a monitored system offers extra protection to ensure your water is safe
- 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.*

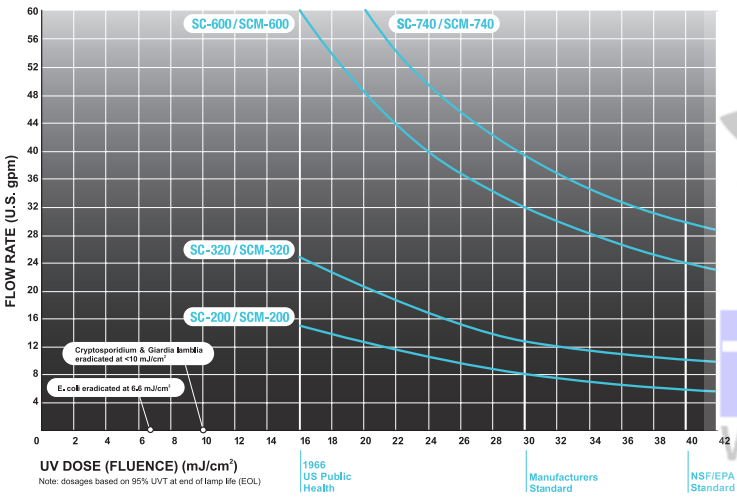
MONITORED
SCM-200 – flow rates of 30.3 lpm (8 gpm)
SCM-320 – flow rates of 49.2 lpm (13 gpm)
SCM-600 – flow rates of 121.1 lpm (32 gpm)
SCM-740 – flow rates of 151.4 lpm (40 gpm)

BASIC
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)

SPECIFICATIONS

MODEL	SC-200/ SCM-200	SC-320/ SCM-320	SC-600/ SCM-600	SC-740/ SCM-740
FLOW RATES[1]				
US Public Health (16 mJ/cm²)	56.8 lpm (15 gpm) (3.4 m³/hr)	94.6 lpm (25 gpm) (5.7 m³/hr)	227.1 lpm (60 gpm) (13.6 m³/hr)	227.1 lpm (60 gpm) (13.6 m³/hr)
VIQUA Standard (30 mJ/cm²)	30.3 lpm (8 gpm) (1.8 m³/hr)	49.2 lpm (13 gpm) (3.0 m³/hr)	121.1 lpm (32 gpm) (7.3 m³/hr)	151.4 lpm (40 gpm) (9.1 m³/hr)
NSF/EPA (40 mJ/cm²)	22.7 lpm (6 gpm) (1.4 m³/hr)	37.8 lpm (10 gpm) (2.3 m³/hr)	90.8 lpm (24 gpm) (5.5 m³/hr)	113.6 lpm (30 gpm) (6.8 m³/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 (39.4" 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	Combo - 3/4" FNPT/1" MNPT	1" MNPT	1.5" 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[2]	304 SS	304 SS	304 SS	304 SS
SCM MODELS ONLY	**SCM-200**	**SCM-320**	**SCM-600**	**SCM-740**
254nm UV Monitor	Yes	Yes	Yes	Yes
Solenoid Output *(solenoid not included)*	Yes	Yes	Yes	Yes
4-20 mA Output	Yes (optional 260134)			

[1] Flow rates stated @ 95% UVT EOL



Note: 1mJ/cm² = 1,000 µWsec/cm²

REPLACEMENT PARTS

S200RL-HO – UV lamp for SC-200/SCM-200
S320RL-HO – UV lamp for SC-320/SCM-320
S600RL-HO – UV lamp for SC-600/SCM-600
S740RL-HO – UV lamp for SC-740/SCM-740
QS-200 – quartz sleeve for SC-200/SCM-200
QS-320 – quartz sleeve for SC-320/SCM-320
QS-600 – quartz sleeve for SC-600/SCM-600
QS-740 – quartz sleeve for SC-740/SCM-740
OR-212 – o-ring for all quartz sleeves
RN-001 – gland-nut for all systems
BA-ICE-C – electronic ICE controller (100-240V./50-60Hz.)
BA-ICE-CM – electronic ICE monitored controller (100-240V./50-60Hz.)
254NM-C1 – UV monitor assembly for Cobalt "Plus" series

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.

VIQUA™
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