

Ultraviolet Water Purification System

Sterilight®
COBALT



Basic

The quality of drinking water can change with time and become contaminated with harmful bacteria. The Sterilight Cobalt™ system is a reliable, economical and chemical-free way to safeguard drinking water in any residential application. The Sterilight Cobalt™ system has been designed and tested to ensure quality drinking water is at everyone's finger tips.



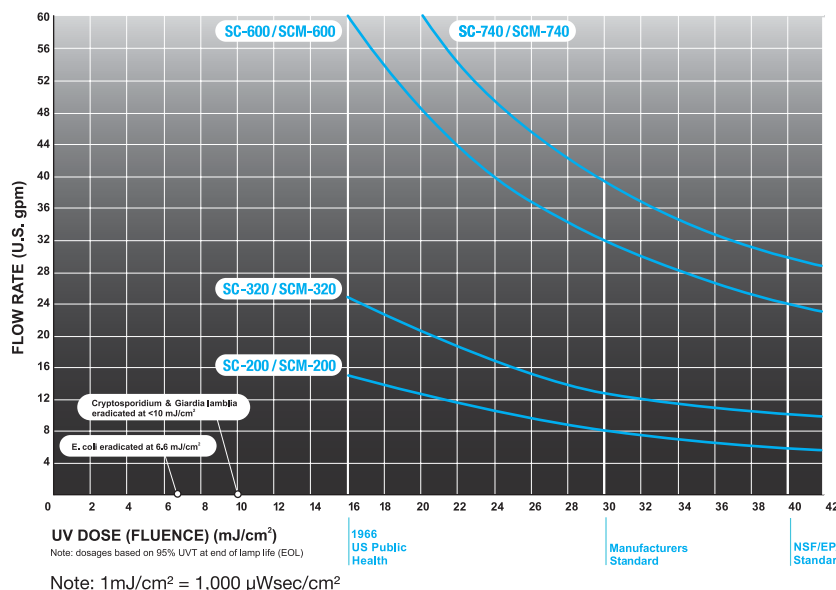
Monitored

Features of the Sterilight Cobalt UV purification system

- Equipped to inactivate chlorine-resistant parasites such as *Cryptosporidium* and *Giardia*, harmful bacteria like *E.Coli* and viruses not visible to the naked eye.
- Specially designed and tested Sterilume™ - HO lamps provide consistent and reliable ultraviolet output over the entire life of the lamp (9000 hours) to ensure continuous purification.
- The system is easy to maintain and service.
- The ultraviolet lamp can be changed without interrupting the water flow.
- Built with a durable stainless steel chamber to prolong life and eliminate ultraviolet light degradation.
- The Cobalt™ ICE power supply visually displays the remaining lamp life and will go into alarm if the lamp fails to notify the homeowner. monitored systems also have the ability to read the percentage of UV output.
- The power supply has a sealed case to prevent damage from accidental water intrusion and is fully CSA and CE compliant.
- Monitored systems have an optional solenoid valve which will stop the flow of water through the chamber should any changes in the UV performance falls below a safe level.

SPECIFICATIONS

MODEL	SC-200/ SCM-200	SC-320/ SCM-320	SC-600/ SCM-600	SC-740/ SCM-740
FLOW RATES¹				
US Public Health (16 mJ/cm ²)	75.7 lpm (20 gpm) (4.5 m ³ /hr)	128.7 lpm (34 gpm) (7.7 m ³ /hr)	227.1 lpm (60 gpm) (13.6 m ³ /hr)	227.1 lpm (60 gpm) (13.6 m ³ /hr)
VIQUA Standard (30 mJ/cm ²)	37.9 lpm (10 gpm) (2.3 m ³ /hr)	68.1 lpm (18 gpm) (4.1 m ³ /hr)	132.5 lpm (35 gpm) (7.9 m ³ /hr)	158.9 lpm (42 gpm) (9.5 m ³ /hr)
NSF/EPA (40 mJ/cm ²)	30.3 lpm (8 gpm) (1.8 m ³ /hr)	49.2 lpm (13 gpm) (2.9 m ³ /hr)	98.4 lpm (26 gpm) (5.9 m ³ /hr)	117.3 lpm (31 gpm) (7.0 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 (39.4" 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	27 W	34 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				
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		² 316 stainless steel available on request		



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
410867	– 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