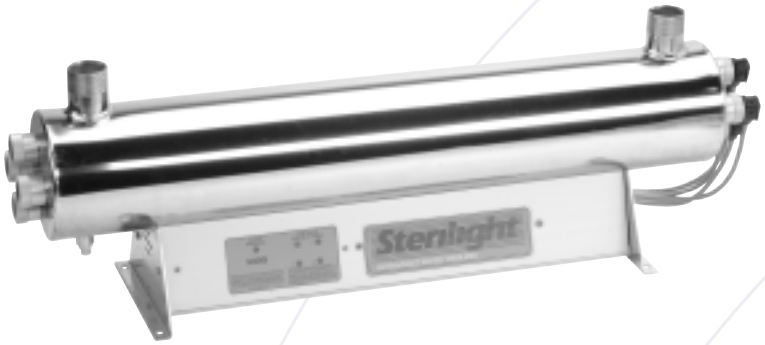
Sterilight®

ULTRAVIOLET DISINFECTION SYSTEM

model S40Q

The S40Q was designed specifically for use in high flow residential and/or commercial applications requiring a 99.99% reduction of bacteria, virus and protozoan cysts (*Cryptosporidium* and *Giardia lamblia*). This process is accomplished without adding any harmful chemicals to your drinking water. Sterilight is the most ecological way of treating your water... *and all this for just pennies a day!*



HIGH FLOW RESIDENTIAL/COMMERCIAL WATER DISINFECTION SYSTEM

- high flow 189.3 L/min (50 gpm) flow rate (at 95% UVT)
- ***Sterilume™-EX*** UV lamps, these hard glass, 254nm ultraviolet lamps feature an advanced proprietary lamp coating allowing for consistent UV output over the life of the lamp coupled with uniform temperature distribution. The result is that Sterilume™-EX lamps provide the required output over the entire 9000 hour lamp life
- easy lamp replacement without having to disconnect the water supply
- visual lamp-on indicators and audible lamp failure indicator
- drain port for reactor chamber flushing
- seven year warranty on reactor chamber for unparalleled protection
- polished 316 L stainless reactor chamber
- maximum UV output with the highest quality quartz sleeve
- 1½" MNPT connections for quick and easy installation
- 99.99% destruction of bacteria, virus and protozoan cysts (*Cryptosporidium* and *Giardia lamblia*) at rated flow
- natures way to protect your water without the addition of harmful chemicals
- open end quartz sleeve and aluminum gland nuts for optimum operating temperature and sealing efficiency

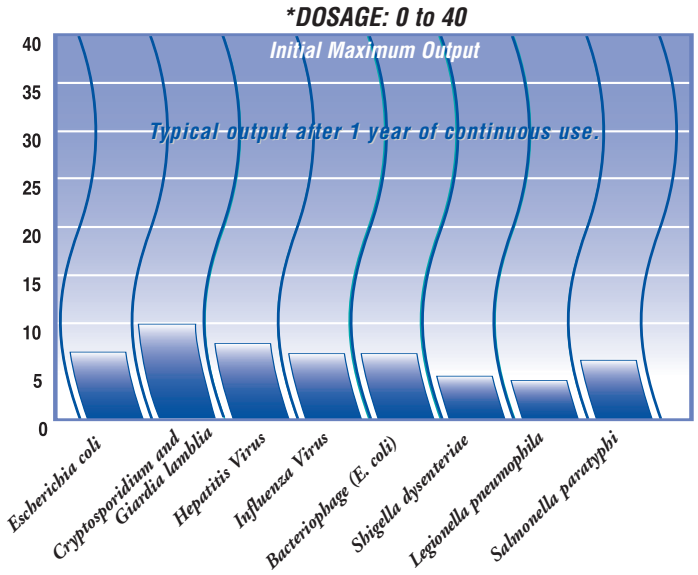
In addition to bacteria (***E. coli***), virus, algae, mould and others, Sterilight UV systems are effective against protozoa such as ***Cryptosporidium*** and ***Giardia lamblia***. UV effectively DESTROYS these **protozoan cysts** at dosage levels well within the levels delivered by all Sterilight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

ensuring the safety of your water

model
S40Q

Applications Include:

- private wells
- camp grounds
- hotels
- bottlers
- aquaculture
- hospitals
- schools
- food processing
- cottages
- restaurants
- breweries
- water systems
- laboratories
- marine
- pharmaceuticals



* Ultraviolet energy in milli joules (mJ) per square centimetre required for a 99.99% kill.

SPECIFICATIONS — S40Q

Flow Rate (Dose Dependent)		
16 mJ/cm² (US Public Health)		367.2 L/min (97 gpm) (22 m³/hr.)
30 mJ/cm² (R-Can Standard)		189.3 L/min (50 gpm) (11.4 m³/hr.)
40 mJ/cm² (NSF/EPA)		140.1 L/min (37 gpm) (8.4 m³/hr.)
Dimensions	Length	97 cm (38")
	Width	22.9 cm (9")
	Height	30.5 cm (12")
	Cell Dimention	15 cm (6")
Shipping Weight		23.1 kg (51 lbs.)
Electrical	Voltage	100-130V./50-60Hz.
	Power Consumption	190 W
	Total Lamp Watts	156 W
Maximum Operating Pressure		8.62 bar (125 psi)
Ambient Temperature		2 - 40° C (36 -104° F)
Quartz Sleeve		Yes (4)
Drain Plug		3/8"
Inlet/Outlet Port Size		11/2" MNPT
Lamp Failure	Visual	Yes
	Audion	Yes
Reactor Chamber Material		316 L S.S.
Control Panel Material		Anodized Aluminum

1. 200-250 V./50-60 Hz. also available upon request (add "/2" to model # (eg. S40Q/2))

Warranty Sterilight S40Q water disinfection system carries 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.

Replacement Parts

S36RL – replacement UV lamp (4 required)
QS-012 – quartz sleeve (4 required)
OR-212 – o-ring for quartz sleeve
BA-E36122 – electronic ballast (100-250V./50-60Hz.)

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