

Sterilight®

ULTRAVIOLET DISINFECTION SYSTEM

model

S1Q-DWS, S2Q-DWS & S5Q-DWS

These drinking water systems are designed to provide an economical way of treating water at a single location or a whole house 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!*



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.

UV DISINFECTION SYSTEM WITH SEDIMENT AND CARBON FILTRATION

- 7.5 L/min (2 gpm), 11 L/min (3 gpm) or 22.7 L/min (6 gpm) flow rate (at 95% UVT)
- electronic “ICE” ballast technology offers constant current output, cooler operating temperatures and increased energy efficiency
- patented electronic ICE ballast featuring constant output current over the entire operating range independent of voltage or frequency. This redesigned ICE ballast features improved surge protection, fusing and transient protection
- **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
- designed to destroy 99.99% of bacteria, virus and protozoan cysts (*Cryptosporidium* and *Giardia lamblia*)
- quick disconnect fittings for easy servicing
- visual LED power indicator and audible lamp failure indicator
- 5 micron sediment prefiltration
- polished 304 stainless steel reactor chamber
- depth bed activated carbon filtration for chlorine, taste and odour reduction
- complete DIY kit including faucet, saddle valve, tubing, and fittings (on S1Q-DWS & S2Q-DWS only)
- compact design allows for maximum application flexibility
- maximum UV output with highest quality quartz sleeve and lamp
- nature's way to protect your water without the addition of harmful chemicals
- easy lamp and cartridge replacement and service
- seven year warranty on reactor chamber for unparalleled protection
- new over-moulded connector allows for quick and simple removal of the lamp connector without any special tools or assistance

ensuring the safety of your water

model S1Q-DWS, S2Q-DWS & S5Q-DWS

Available Models

S1Q-DWS – 7.5 L/min (2 gpm) includes disinfection system, sediment filter, carbon filter, bracket and complete installation kit including tubing, faucet, fittings and saddle valve.

S1Q-DWS-M – above system with the addition of a flow control meter including automatic shut-off.

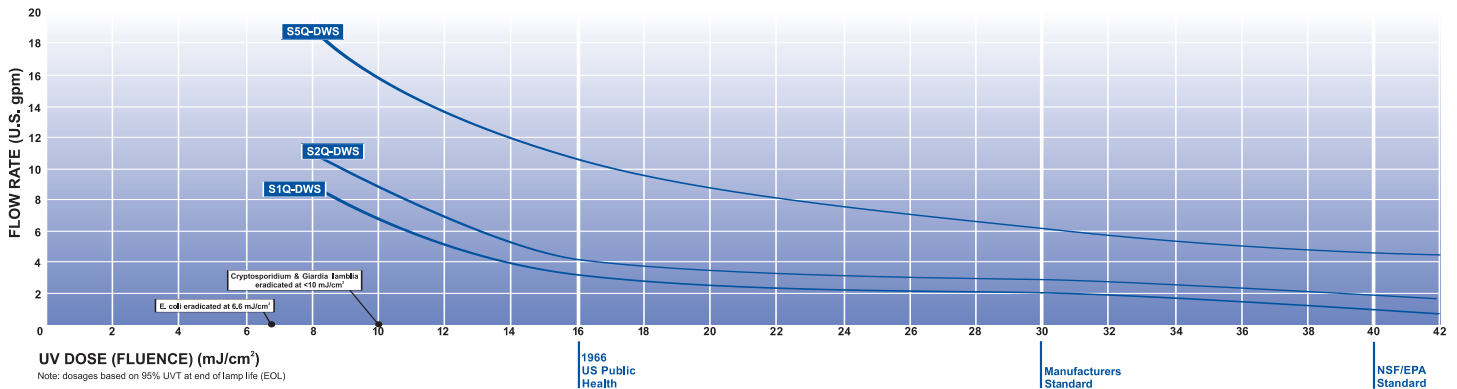
S2Q-DWS – 11 L/min (3.0 gpm) includes disinfection system, sediment filter, carbon filter, bracket and complete installation kit including tubing, faucet, fittings and saddle valve.

S2Q-DWS-M – above system with the addition of a flow control meter including automatic shut-off.

S5Q-DWS – 22.7 L/min (6.0 gpm) includes disinfection system, sediment filter and carbon filter with bracket for main line installation.

SPECIFICATIONS		S1Q-DWS	S2Q-DWS	S5Q-DWS
Flow Rate (Dose Dependent)				
16 mJ/cm ² (US Public Health)		12.3 L/min (3.3 gpm) (0.7 m ³ /hr.)	15 L/min (4 gpm) (0.9 m ³ /hr.)	41.6 L/min (11 gpm) (2.5 m ³ /hr.)
30 mJ/cm ² (R-Can Standard)		7.5 L/min (2 gpm) (0.5 m ³ /hr.)	11 L/min (3 gpm) (0.7 m ³ /hr.)	22.7 L/min (6 gpm) (1.4 m ³ /hr.)
40 mJ/cm ² (NSF/EPA)		5.5 L/min (1.5 gpm) (0.3 m ³ /hr.)	7.5 L/min (2 gpm) (0.5 m ³ /hr.)	17 L/min (4.5 gpm) (1.0 m ³ /hr.)
Electrical	Voltage	100-130V/50-60Hz.	100-130V/50-60Hz.	100-130V/50-60Hz.
	Power Consumption	16 W	19 W	26 W
	Total Lamp Watts	14 W	17 W	24 W
Shipping Weight				
		6.5 kg (14.3 lbs.)	7.3 kg (16 lbs.)	9.1 kg (20 lbs.)
Maximum Operating Pressure				
		8.62 bar (125 psi)	8.62 bar (125 psi)	8.62 bar (125 psi)
Ambient Temperature				
		2 -40° C (36 -104° F)	2 -40° C (36 -104° F)	2 -40° C (36 -104° F)
Dimensions				
		42cm x 35cm x 15cm (16.5" x 14" x 6")	39cm x 38cm x 15cm (15.5" x 15" x 6")	52cm x 71cm x 15cm (20.5" x 28" x 6")
Quartz Sleeve				
		Yes	Yes	Yes
Visual "Power On" / Audible Lamp Failure				
		Yes / Yes	Yes / Yes	Yes / Yes
UV Chamber Material				
		304 S.S. ²	304 S.S. ²	304 S.S. ²
Sediment Filtration				
		Yes, 5 micron	Yes, 5 micron	Yes, 5 micron
Carbon Filtration				
		Yes	Yes	Yes

- 200-250V/50-60Hz. (add "/2" to model # (eg. S1Q-DWS/2)) and 12VDC available on request (add "/12" to model # (eg. S1Q-DWS/12))
- 316L stainless steel available on request



Warranty Sterilight DWS drinking water systems carry a seven year limited warranty on manufacturing defects surrounding the stainless steel reactor chamber, a one year warranty on UV lamps and a one year limited warranty on all other components excluding filtration cartridges.

Replacement Parts

S287RL – replacement UV lamp for S1Q-DWS
S330RL – replacement UV lamp for S2Q-DWS
S463RL – replacement UV lamp for S5Q-DWS
QS-001 – quartz sleeve for S1Q-DWS
QS-330 – quartz sleeve for S2Q-DWS
QS-463 – quartz sleeve for S5Q-DWS

OR-212 – o-ring for quartz sleeve

BA-ICE-IF – electronic ICE ballast (100-130V/50-60Hz.)

BA-ICE-2F – electronic ICE ballast (200-250V/50-60Hz.)

SC-05 – 5 micron sediment cartridge for S1Q-DWS & S2Q-DWS

SC-06 – dual purpose carbon cartridge for S1Q-DWS & S2Q-DWS

SW5-2 – 5 micron sediment cartridge for S5Q-DWS

C-02 – carbon block cartridge for S5Q-DWS

R-can
ENVIRONMENTAL INC.

425 Clair Rd. West, P.O. Box 1719
 Guelph, Ontario, Canada N1H 7X4
 t. 519.763.1032 • f. 519.763.5069
 t.f. 1.800.265.7246
 www.r-can.com • water@r-can.com

EPA Establishment #57987-CN-001
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For further information contact:



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