

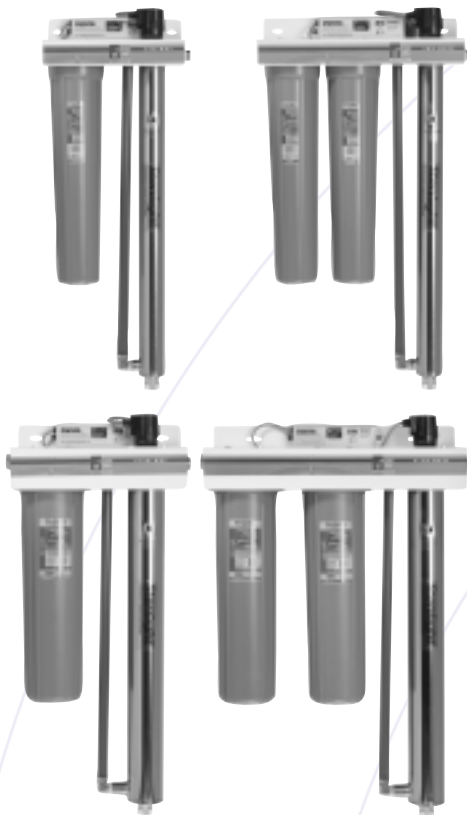
Sterilight®

ULTRAVIOLET DISINFECTION SYSTEM

model

S8Q-WHS, S8Q-WHSC, S12Q-WHS, S12Q-WHSC

These systems are designed specifically for point-of-entry applications (treatment of the entire home). This design incorporates a high quality stainless steel reactor vessel coupled with high flow filter housings for high flow rates and low pressure drops.



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.

- flow rates of 38 L/min (10 gpm) or 57 L/min (15 gpm) at 95% UVT
- 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 as well as an audible/visual ANNUAL LAMP CHANGE REMINDER feature
- **Sterilume™-EX** UV lamps, these hard glass, 254nm ultraviolet lamps feature 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
- compact design incorporating 304 stainless steel reactor chambers, brilliantly polished for laboratory or medical applications
- electronic cartridge/lamp change indicator with visual and audible alarms
- viewport for visual inspection of lamp operation (future monitoring options)
- sampling petcock for water samples and system depressurization
- open end quartz sleeves and aluminum gland nuts for optimum operating temperature and sealing efficiency
- 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
- five micron sediment prefiltration
- modified carbon block activated carbon filtration for chlorine taste and odour reduction (on S8Q-WHSC and S12Q-WHSC only)
- 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 S8Q-WHS, S8Q-WHSC, S12Q-WHS, S12Q-WHSC

SPECIFICATIONS		S8Q-WHS	S8Q-WHSC	S12Q-WHS	S12Q-WHSC
Flow Rate (Dose Dependent)					
16 mJ/cm ² (US Public Health)		75.7 L/min (20 gpm) (4.5 m ³ /hr.)	75.7 L/min (20 gpm) (4.5 m ³ /hr.)	109.8 L/min (29 gpm) (6.6 m ³ /hr.)	109.8 L/min (29 gpm) (6.6 m ³ /hr.)
30 mJ/cm ² (R-Can Standard)		37.9 L/min (10 gpm) (2.3 m ³ /hr.)	37.9 L/min (10 gpm) (2.3 m ³ /hr.)	56.8 L/min (15 gpm) (3.4 m ³ /hr.)	56.8 L/min (15 gpm) (3.4 m ³ /hr.)
40 mJ/cm ² (NSF/EPA)		29.3 L/min (7.8 gpm) (1.8 m ³ /hr.)	29.3 L/min (7.8 gpm) (1.8 m ³ /hr.)	41.6 L/min (11 gpm) (2.5 m ³ /hr.)	41.6 L/min (11 gpm) (2.5 m ³ /hr.)
Dimensions	Width	34.3 cm (13.5")	49.5 cm (19.5")	41.9 cm (16.5")	62.2 cm (24.5")
	Depth	17.8 cm (7")	17.8 cm (7")	20.3 cm (8")	20.3 cm (8")
	Height	90 cm (35.5")	90 cm (35.5")	95.3 cm (37.5")	95.3 cm (37.5")
	Cell Diameter	6.5 cm (2.5")	6.5 cm (2.5")	8.9 cm (3.5")	8.9 cm (3.5")
Shipping Weight		4.5 kg (10 lbs.)	6.8 kg (15 lbs.)	12.2 kg (27 lbs.)	18.1 kg (40 lbs.)
Electrical	Voltage	100-130V/50-60Hz. ¹	100-130V/50-60Hz. ¹	100-130V/50-60Hz. ¹	100-130V/50-60Hz. ¹
	Power Consumption	39 W	39 W	42W	42 W
	Total Lamp Watts	37 W	37 W	39 W	39 W
Connections		3/4" NPT	3/4" NPT	"Combo" 3/4" FNPT & 1" MNPT	"Combo" 3/4" FNPT & 1" MNPT
Maximum Operating Pressure		8.62 bar (125 psi)	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)	2 -40° C (36 -104° F)
Quartz Sleeve		Yes	Yes	Yes	Yes
Visual "Power On" / Audible Lamp Failure		Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
Reactor Chamber Material		304 S.S. (316L Optional)	304 S.S. (316L Optional)	304 S.S. (316L Optional)	304 S.S. (316L Optional)
Sediment Filtration		Yes, 5 micron	Yes, 5 micron	Yes, 5 micron	Yes, 5 micron
Carbon Filtration		No	Yes, carbon block	No	Yes, carbon block

1. 200-250V./50-60Hz. available on request (add "/2" to model # (eg. S8Q-WHS/2))

Replacement Parts

- **S810RL** – UV lamp for S8Q-WHS & S8Q-WHSC
- **S36RL** – UV lamp for S12Q-WHS & S12Q-WHSC
- **QS-810** – quartz sleeve for S8Q-WHS & S8Q-WHSC
- **QS-012** – quartz sleeve for S12Q-WHS & S12Q-WHSC
- **SW5-2** – 5 micron, 20" sediment cartridge for S8Q-WHS & S8Q-WHSC
- **SW5-HF2** – 5 micron, 20" sediment cartridge for S12Q-WHS & S12Q-WHSC
- **C-02** – medium density, 20" carbon block cartridge for S8Q-WHSC
- **C2-02** – medium density, 20" carbon block cartridge for S12Q-WHSC
- **OR-212** – o-ring for quartz sleeve on disinfection system
- **BA-ICE-1F** – electronic ICE ballast (100-130V./50-60Hz.)
- **BA-ICE-2F** – electronic ICE ballast (200-250V./50-60Hz.)

Warranty Sterilight S8Q-WHS, S8Q-WHSC, S12Q-WHS and S12Q-WHSC water 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 (not on replacement filter cartridges)



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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