

DRINKING WATER SYSTEM

MODEL S1Q-DWS, S2Q-DWS, S5Q-DWS

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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!

WHAT MAKES THE STERILIGHT GOOD FOR YOUR APPLICATION?

- **Silver™** electronic controller featuring constant lamp current over the entire operating range independent of voltage or frequency. This universal input controller covers 100-240V./50-60Hz. and comes with a 4-segment visual LED display showing *Lamp Life Remaining* and *Total Controller Operating Time*. The controller has active power factor correction and comes in a water-tight enclosure
- **Sterilume™**-EXUV lamps, these 254nm ultraviolet lamps feature an advanced proprietary lamp coating allowing for more consistent UV output
- designed to destroy 99.99% of bacteria, virus and protozoan cysts (*Cryptosporidium* and *Giardia lamblia*)
- quick disconnect fittings for easy servicing
- 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
- easy lamp and cartridge replacement and service
- seven year warranty on reactor chamber for unparalleled protection
- over-moulded connector allows for quick and simple removal of the lamp without any special tools or assistance

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.

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.

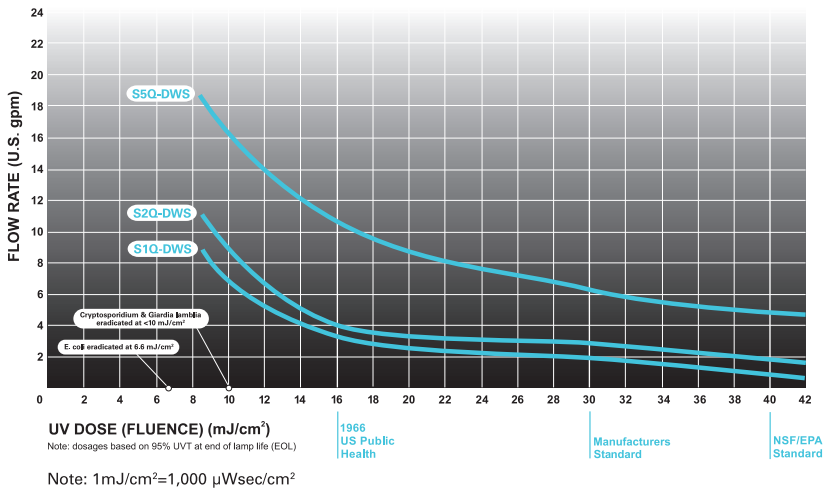
S2Q-DWS-M – above system with the addition of a flow control meter including automatic shut-off.

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



SPECIFICATIONS

MODEL	S1Q-DWS	S2Q-DWS	S5Q-DWS
FLOW RATES¹			
US Public Health (16 mJ/cm ²)	12.3 lpm (3.3 gpm) (0.7 m ³ /Hr.)	15 lpm (4 gpm) (0.9 m ³ /Hr.)	41.6 lpm (11 gpm) (2.5 m ³ /Hr.)
VIQUA Standard (30 mJ/cm ²)	7.5 lpm (2 gpm) (0.5 m ³ /Hr.)	11 lpm (3 gpm) (0.7 m ³ /Hr.)	22.7 lpm (6 gpm) (1.4 m ³ /Hr.)
NSF/EPA (40 mJ/cm ²)	5.5 lpm (1.5 gpm) (0.3 m ³ /Hr.)	7.5 lpm (2 gpm) (0.5 m ³ /Hr.)	17 lpm (4.5 gpm) (1.0 m ³ /Hr.)
DIMENSIONS			
Overall Dimensions (Width x Depth x Height)	35.5 cm x 40.6 cm x 15 cm (14" x 16" x 6")	39 cm x 40.6 cm x 15 cm (15.5" x 16" x 6")	52 cm x 71 cm x 15 cm (20.5" x 28" x 6")
Shipping Weight	6.5 kg (14.3 lbs)	7.3 kg (16 lbs)	9.1 kg (20 lbs)
ELECTRICAL			
Voltage	100-240V / 50-60 Hz	100-240V / 50-60 Hz	100-240V / 50-60 Hz
Power Consumption	19W	22W	30W
Lamp Watts	14W	17W	24W
Maximum Operating Pressure	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)
Lamps/Quartz Sleeves	YES	YES	YES
Visual "Power On" / Audible Lamp Failure	YES / YES	YES / YES	YES / YES
UV Chamber Material	304 SS	304 SS	304 SS
Sediment Filtration	YES, 5 micron	YES, 5 micron	YES, 5 micron
Carbon Filtration	YES	YES	YES



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
- 410867 – o-ring for quartz sleeve
- BA-ICE-S – electronic ICE ballast (100-240V/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

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.