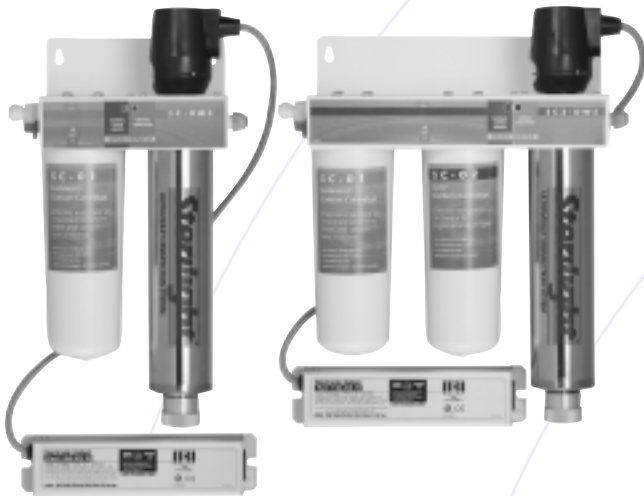


Sterilight®

ULTRAVIOLET DISINFECTION SYSTEM

model SC-DWS, SC2-DWS

The Sterilight SC-DWS and SC2-DWS drinking water UV systems are designed for point-of-use applications. These compact systems offer both filtration and UV providing all the benefits of a complete system with a key feature of maintaining a separate stainless steel UV reactor. These systems provide microbiological protection coupled with Sanitary Quick Change filtration cartridges. The SC-DWS offers basic 5 micron sediment reduction and chlorine removal while the SC2-DWS offers complete cyst protection (*Cryptosporidium*, *Giardia lamblia*, *Toxoplasma* and *Entomobea*) as well as lead reduction. The inclusion of Sterilight's new electronic "ICE" ballast offers reduced heat build-up and application flexibility. These systems ship in a full DIY package, including faucet, piercing valve, tubing and related components for quick and easy installation. An audible/visual alarm feature provides for cartridge and UV lamp change over periods.



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.

- provides a flow rate of 4 L/min (1 gpm) (Dose Dependent)
- 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 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
- compact design incorporating 304 stainless steel reactor chambers, brilliantly polished for high-end look
- sanitary quick change cartridge for “no mess” cartridge changes in seconds
- electronic timer, indicates semi-annual cartridge replacement or annual UV lamp replacement, both audible and visual indicators
- John Guest™ quick disconnect fittings with inlet shut-off valve
- easy servicing – no need to disconnect water flow to change UV lamp
- open end quartz sleeves and aluminum gland nuts for optimum operating temperature and sealing efficiency
- 99.99% destruction of bacteria, virus and protozoan cysts (*Cryptosporidium* and *Giardia lamblia*)
- nature's way to protect your water without the addition of harmful chemicals
- seven year warranty on reactor chamber for unparalleled protection
- 5 micron sediment and chlorine reduction on both systems
- complete cyst protection (*Cryptosporidium*, *Giardia lamblia*, *Toxoplasma* and *Entomobea*) with the SC2-DWS system
- lead reduction (SC2-DWS only)
- 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 SC-DWS, SC2-DWS

SPECIFICATIONS		SC-DWS	SC2-DWS
Flow Rate		4 L/min (1 gpm)	4 L/min (1 gpm)
Dimensions	Length	38 cm (15")	38 cm (15")
	Width	23 cm (9")	34 cm (13.5")
	Height	12 cm (4.5")	12 cm (4.5")
Cell Diameter		6.5 cm (2.5")	6.5 cm (2.5")
Shipping Weight		4.1 kg (9 lbs.)	5 kg (11 lbs.)
Electrical	Voltage	100-130V./50-60Hz. ^{1,2}	100-130V./50-60Hz. ^{1,2}
	Power Consumption	16 W	16 W
	Lamp Watts	14 W	14 W
Maximum Operating Pressure		8.62 bar (125 psi)	8.62 bar (125 psi)
Ambient Temperature		2 - 40°C (36 - 104°F)	2 - 40°C (36 - 104°F)
Quartz Sleeve		Yes	Yes
Inlet / Outlet Port Size		1/4" John Guest™	1/4" John Guest™
Annual Lamp Change Indicator		Yes	Yes
Sediment/Carbon Prefiltration		Yes, model SC-01	Yes, model SC-01
Cyst Protection Cartridge		No	Yes, model SC-02
Reactor Chamber Material		304 S.S.	304 S.S.

1. 200-250V./50-60Hz. available on request (add "/2" to model # (eg. SC-DWS/2))
2. 12 volt DC available on request (add "/12VDC" to model # (eg. SC2-DWS/12VDC))

ICE Ballast

Sterilight systems incorporate CONSTANT CURRENT OUTPUT ballasts. This system offers:

- Optimum UV output over a wide range of input voltages
- Constant current output over entire input voltage range
- Not affected by frequency variations (47-63 Hz.)
- Increased energy efficiency
- Built-in EMI/RFI filtering
- Increased ballast life & cooler operating temperatures
- Patented technology
- Improved surge protection, fusing and transient protection
- Audible/visual ANNUAL LAMP CHANGE REMINDER feature

Warranty Sterilight SC-DWS and SC2-DWS 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. (cartridges not included)

Replacement Parts

S287RL – replacement lamp
QS-001 – quartz sleeve
SC-01 – sediment/carbon cartridge for SC-DWS/SC2-DWS

SC-02 – cyst cartridge for SC2-DWS
OR-212 – o-ring for all quartz sleeves
BA-ICE-1F – electronic ICE ballast (100-130V./50-60Hz.)
BA-ICE-2F – electronic ICE ballast (200-250V./50-60Hz.)



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