

Ultra Violet Disinfection Systems

Germ free drinking water for institution and commercial use

Ensuring the safety of your water

- ◆ In addition to bacteria (E. coli), virus, algae, mould and others, UV systems are effective against protozoa such as Cryptosporidium and Giardia lamblia. UV effectively DESTROYS these protozoan cysts.
- ◆ The ultraviolet germicidal system has become an exceptionally popular water disinfection alternative. The process is accomplished without adding any harmful chemicals to your drinking water. UV is the most ecological way of treating your water.
- ◆ Sterilight patented electronic ICE ballast featuring constant output current over the entire operating range independent of voltage or frequency. Features improved surge protection, fusing and transient protection.
- ◆ Sterilight Sterilume™ - EX UV lamps, these hard glass, 254mm 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.
- ◆ Features
 - ◆ Easy Servicing - no need to disconnect water flow to change UV lamp
 - ◆ 99.99% destruction of bacteria, virus and protozoan cysts (Giardia lamblia and Cryptosporidium) at rated flow
 - ◆ Heavy duty 304 stainless steel pressure vessel
 - ◆ Visual LED indicator and alarm for lamp failure
 - ◆ 9000 hours lamp life (approx. 1 year)
 - ◆ Low power consumption
 - ◆ Unique diagonal inlet/outlet provides spiral current to prolong lighting duration and enhance sterilizing effect.
 - ◆ Vertical or horizontal installation

◆ Applications

- ◆ Bore Water
- ◆ Whole of house disinfections
- ◆ Food service and processing
- ◆ Aquaculture
- ◆ Pharmaceuticals
- ◆ Rain Water Tanks
- ◆ Potable water
- ◆ Hospitals
- ◆ Electronics
- ◆ Hotels



MEMBER
Water
Quality
ASSOCIATION

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water₂water™
Purify yourself

Call 1300 88 03 03





| SPECIFICATIONS | | SQ-PA | S1Q-PA | S2Q-PA | S5Q-PA | S8Q-PA | S12Q-PA |
|-----------------------------|-----------|-------------------------------|---------------------------------|-----------------------------|------------------------------|--------------------------------|--------------------------------|
| Flow Rate (dose dependant) | | | | | | | |
| 16mJ/cm2 (US public health) | | 7.5L/min (2gpm) (0.45m3/hr) | 12.3L/min (3.2gpm) (0.74 m3/hr) | 15L/min (4gpm) (0.91m3/hr) | 41.6L/min (11gpm) (2.5m3/hr) | 75.7L/min (20gpm) (4.54m3/hr) | 109.8L/min (29gpm) (6.59m3/hr) |
| 30mJ/cm2 (R-Can standard) | | 5.7L/min (1.5gpm) (0.34m3/hr) | 7.5L/min (2gpm) (0.45m3/hr) | 11L/min (3gpm) (0.68m3/hr) | 22.7L/min (6gpm) (1.36m3/hr) | 37.9L/min (10gpm) (2.27m3/hr) | 56.8L/min (15gpm) (3.41m3/hr) |
| 40mJ/cm2 (NSF/EPA) | | 2L/min (0.5gpm) (0.12m3/hr) | 5.5L/min (1.5gpm) (0.34m3/hr) | 7.5L/min (2gpm) (0.45m3/hr) | 17L/min (4.5gpm) (1.02m3/hr) | 29.3L/min (7.8gpm) (1.76m3/hr) | 41.6L/min (11gpm) (2.5m3/hr) |
| Dimensions | Length | 30.5cm | 38.1cm | 43.2cm | 53.3cm | 90cm | 94cm |
| | Width | 5.2cm | 6.5cm | 6.5cm | 6.5cm | 6.5cm | 8.9cm |
| | Height | 5.2cm | 6.5cm | 6.5cm | 6.5cm | 6.5cm | 8.9cm |
| | Cell Dia. | 5.2cm | 6.5cm | 6.5cm | 6.5cm | 6.5cm | 8.9cm |
| Shipping Weight | | 2.3kgs | 2.5kgs | 2.7kgs | 3.2kgs | 4.5kgs | 5.4kgs |
| Electrical Voltage | | 100-130V/50-60Hz2 | 100-130V/50-60Hz1 | 100-130V/50-60Hz1 | 100-130V/50-60Hz1 | 100-130V/50-60Hz2 | 100-130V/50-60Hz2 |
| Power Consumption | | 12W | 16W | 19W | 26W | 39W | 42W |
| Lamp Watts | | 10W | 14W | 17W | 24W | 37W | 39W |
| Maximum Operating Pressure | | 8.62bar (125psi) | 8.62bar (125psi) | 8.62bar (125psi) | 8.62bar (125psi) | 8.62bar (125psi) | 8.62bar (125psi) |
| Ambient Temperature | | 2-40oC | 2-40oC | 2-40oC | 2-40oC | 2-40oC | 2-40oC |
| Quartz Sleeve | | Yes | Yes | Yes | Yes | Yes | Yes |
| Inlet/Outlet Port Size | | ¼" MNPT | ¼" MNPT | ½" MNPT | ¾" MNPT | ¾" MNPT | ¾" FNPT & 1" MNPT |
| Visual "Power-On" | | Yes | Yes | Yes | Yes | Yes | Yes |
| Audible Lamp Failure | | Yes | Yes | Yes | Yes | Yes | Yes |
| Reactor Chamber Material | | 304 S.S3 | 304 S.S3 | 304 S.S3 | 304 S.S3 | 304 S.S3 | 304 S.S3 |



1. 200-250V/50-60Hz (add "/2" to model # (eg. SQ-PA/2) and 12VDC available on request.
2. 200-250V/50-60Hz available on request (add "/12VDC" to model #)

3. 316L Stainless Steel available on request

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| Specification | UV-S | UV1GPM | UV6GPM | UV6GPM-V | UV12GPM-H | UV12GPM-V |
|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Dimension L x W x D (mm) | 240 x 80 x 80 | 278 x 80 x 80 | 560 x 80 x 80 | 650 x 80 x 140 | 900 x 170 x 79 | 980 x 80 x 140 |
| Electrical Volts | 110/220V 50/60Hz | 110/220V 50/60Hz | 110/220V 50/60Hz | 110/220V 50/60Hz | 110/220V 50/60Hz | 110/220V 50/60Hz |
| Flow Rate | 1GPM | 2GPM | 6GPM | 6GPM | 12GPM | 12GPM |
| In/Outlet Port | ¼" | ¼" | ½" | ½" | ¾" | ¾" |
| Lamp (PC) | 1 | 1 | 1 | 1 | 1 | 1 |
| Quartz Sleeve (PC) | 1 | 1 | 1 | 1 | 1 | 1 |
| Lamp Failure Device | Yes | Yes | Yes | Yes | Yes | Yes |
| Ambient Temp | 2-40C | 2-40C | 2-40C | 2-40C | 2-40C | 2-40C |
| Lamp Watts | 10W | 14W | 20W | 20W | 39W | 39W |
| Specification | UV12GPM-HT | UV24GPM-HT | UV36GPM-HT | UV48GPM-HT | UV60GPM-HT | UV72GPM-HT |
| Dimension L x W x D (mm) | 900 x 190 x 160 | 900 x 240 x 160 | 980 x 230 x 280 | 980 x 230 x 280 | 980 x 280 x 280 | 980 x 280 x 280 |
| Electrical Volts | 110/220V 50/60Hz | 110/220V 50/60Hz | 110/220V 50/60Hz | 110/220V 50/60Hz | 110/220V 50/60Hz | 110/220V 50/60Hz |
| Flow Rate | 12GPM | 24GPM | 36GPM | 48GPM | 60GPM | 72GPM |
| In/Outlet Port | ¾" | 1" | 1 ½" or 2" | 1 ½" or 2" | 2" or Flange | 2" or flange |
| Lamp (PC) | 1 | 2 | 3 | 4 | 5 | 6 |
| Quartz Sleeve (PC) | 1 | 2 | 3 | 4 | 6 | 6 |
| Lamp Failure Device | Yes | Yes | Yes | Yes | Yes | Yes |
| Ambient Temp | 2-40C | 2-40C | 2-40C | 2-40C | 2-40C | 2-40C |
| Lamp Watts | 39W | 39W x 2 | 39W x 3 | 39W x 4 | 39W x 5 | 39W x 6 |



Below are recommended levels, for use as a guideline for pre-treatment requirements:

Hardness: <120ppm
 Turbidity: <1.0NTU
 Iron: <0.3ppm
 Manganese: <0.5ppm
 Tannins: <0.1ppm

If your water quality parameters do not meet these criteria, please contact Water2Water for pre-treatment recommendations.



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