

## Ultraviolet Water Purification System



The quality of drinking water can change with time and become contaminated with harmful bacteria. The Sterilight Silver™ system is a reliable, economical and chemical-free way to safeguard drinking water in any residential application. The Sterilight Silver™ system has been designed and tested to ensure quality drinking water is at everyone's finger tips.

### Features of the Sterilight Silver UV purification system

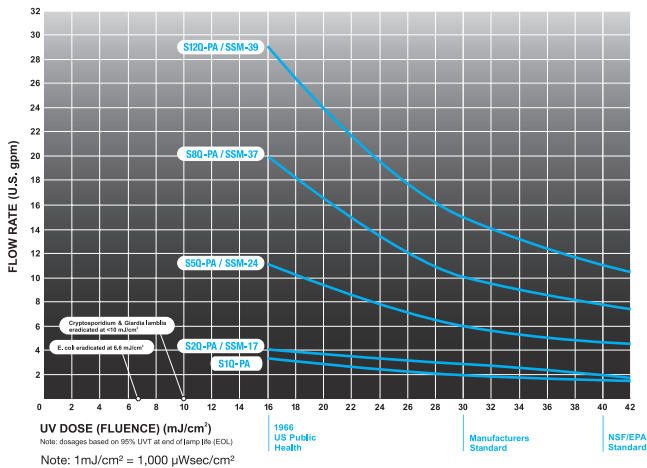
- Equipped to inactivate chlorine-resistant parasites such as *Cryptosporidium* and *Giardia*, harmful bacteria like *E.Coli* and viruses not visible to the naked eye.
- Specially designed and tested Sterilume™ -EX lamps provide consistent and reliable ultraviolet output over the entire life of the lamp (9000 hours) to ensure continuous purification.
- The system is easy to maintain and service.
- The ultraviolet lamp can be changed without interrupting the water flow.
- Built with a durable stainless steel chamber to prolong life and eliminate ultraviolet light degradation.
- The Silver™ ICE power supply visually displays the remaining lamp life and will go into alarm if the lamp fails to notify the homeowner. Monitored systems also have the ability to read the percentage of UV output.
- The power supply has a sealed case to prevent damage from accidental water intrusion and is fully CSA and CE compliant.
- Monitored systems have a specialized 254nm UV intensity sensor which notifies homeowner of changes in UV performance.
- Monitored systems have an optional solenoid valve which will stop the flow of water through the chamber should any changes in the UV performance falls below a safe level.

# SPECIFICATIONS

MODEL	S1Q-PA	S2Q-PA/ SSM-17	S5Q-PA/ SSM-24	S8Q-PA/ SSM-37	S12Q-PA/ SSM-39
<b>FLOW RATES<sup>1</sup></b>					
US Public Health (16 mJ/cm <sup>2</sup> )	12.3 lpm (3.3 gpm) (0.7 m <sup>3</sup> /hr)	15 lpm (4 gpm) (0.9 m <sup>3</sup> /hr)	41.6 lpm (11 gpm) (2.5 m <sup>3</sup> /hr)	75.7 lpm (20 gpm) (4.5 m <sup>3</sup> /hr)	110 lpm (29 gpm) (6.6 m <sup>3</sup> /hr)
VIQUA Standard (30 mJ/cm <sup>2</sup> )	7.5 lpm (2 gpm) (0.5 m <sup>3</sup> /hr)	11 lpm (3 gpm) (0.7 m <sup>3</sup> /hr)	22.7 lpm (6 gpm) (1.4 m <sup>3</sup> /hr)	37.9 lpm (10 gpm) (2.3 m <sup>3</sup> /hr)	57 lpm (15 gpm) (3.4 m <sup>3</sup> /hr)
NSF/EPA (40 mJ/cm <sup>2</sup> )	5.5 lpm (1.5 gpm) (0.3 m <sup>3</sup> /hr)	7.5 lpm (2 gpm) (0.5 m <sup>3</sup> /hr)	17 lpm (4.5 gpm) (1.0 m <sup>3</sup> /hr)	29.3 lpm (7.8 gpm) (1.8 m <sup>3</sup> /hr)	42 lpm (11 gpm) (2.5 m <sup>3</sup> /hr)
<b>DIMENSIONS</b>					
Reactor	39.4 cm x 6.4 cm (15.5" x 2.5")	43.4 cm x 6.4 cm (17.1" x 2.5")	56.1 cm x 6.4 cm (22.1" x 2.5")	90.4 cm x 6.4 cm (35.6" x 2.5")	95.3 cm x 8.9 cm (37.5" x 3.5")
Controller	21.1 cm x 8.1 cm x 6.4 cm (8.3" x 3.2" x 2.5")	21.1 cm x 8.1 cm x 6.4 cm (8.3" x 3.2" x 2.5")	21.1 cm x 8.1 cm x 6.4 cm (8.3" x 3.2" x 2.5")	21.1 cm x 8.1 cm x 6.4 cm (8.3" x 3.2" x 2.5")	21.1 cm x 8.1 cm x 6.4 cm (8.3" x 3.2" x 2.5")
Inlet/Outlet Port Size	1/4" MNPT	1/2" MNPT	3/4" MNPT	3/4" MNPT	Combo 3/4" FNPT/1" MNPT
Shipping Weight	2.7 kg (6 lbs.)	3.2 kg (7 lbs.)	3.6 kg (8 lbs.)	5.0 kg (11 lbs.)	5.9 kg (13 lbs.)
<b>ELECTRICAL</b>					
Voltage	100-240V./50-60Hz	100-240V./50-60Hz	100-240V./50-60Hz	100-240V./50-60Hz	100-240V./50-60Hz
Power Consumption	19 W	22 W	30 W	46 W	48 W
Lamp Watts	14 W	17 W	25 W	37 W	39 W
Maximum Operating Pressure	8.62 bar (125 psi)	8.62 bar (125 psi)	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)	2-40°C (36-104°F)	2-40°C (36-104°F)
Lamp Type	Sterilume™ - EX (standard-output)				
Visual "Power-On"	Yes	Yes	Yes	Yes	Yes
Audible Lamp Failure	Yes	Yes	Yes	Yes	Yes
Lamp Replacement Reminder	Yes	Yes	Yes	Yes	Yes
Visual Lamp Life Remaining	Yes	Yes	Yes	Yes	Yes
Total Running Time	Yes	Yes	Yes	Yes	Yes
Chamber Material <sup>2</sup>	304 SS	304 SS	304 SS	304 SS	304 SS
<b>SSM MODELS ONLY</b>		<b>SSM-17</b>	<b>SSM-24</b>	<b>SSM-37</b>	<b>SSM-39</b>
254nm UV Monitor	Yes		Yes	Yes	Yes
Solenoid Output ( <i>solenoid not included</i> )	Yes		Yes	Yes	Yes
4-20 mA Output	Yes (Optional 260134)		Yes (Optional 260134)	Yes (Optional 260134)	Yes (Optional 260134)

<sup>1</sup> Flow rates stated @ 95% UVT EOL

<sup>2</sup> 316 stainless steel available on request



## Replacement Parts

<b>S287RL</b> – UV lamp for S1Q-PA/SSM-14	<b>QS-463</b> – quartz sleeve for S5Q-PA/SSM-24
<b>S330RL</b> – UV lamp for S2Q-PA/SSM-17	<b>QS-810</b> – quartz sleeve for S8Q-PA/SSM-37
<b>S463RL</b> – UV lamp for S5Q-PA/SSM-24	<b>QS-012</b> – quartz sleeve for S12Q-PA/SSM-39
<b>S810RL</b> – UV lamp for S8Q-PA/SSM-37	<b>410867</b> – o-ring for quartz sleeves
<b>S36RL</b> – UV lamp for S12Q-PA/SSM-39	<b>RN-001</b> – gland-nut for all systems
<b>QS-001</b> – quartz sleeve for S1Q-PA/SSM-14	<b>QS-330</b> – quartz sleeve for S2Q-PA/SSM-17
<b>BA-ICE-S</b> – electronic ICE controller (100-240V./50-60Hz.)	<b>BA-ICE-SM</b> – electronic ICE monitored controller (100-240V./50-60Hz.)
<b>254NM-S1</b> – UV monitor assembly for Silver "Plus" series (all except S12Q-PA)	<b>254NM-S2</b> – UV monitor assembly for Silver "Plus" series (S12Q-PA)

## Warranty

Please visit [www.viqua.com](http://www.viqua.com) for the comprehensive warranty for our Sterilight product line.



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