

## Ultraviolet Water Purification Systems from VIQUA



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

Regardless of your need, there is a Silver system to suit your requirements. VIQUA offers systems that range in flow rates from just 1.5 gpm for a small home or cottage, up to 15 gpm for a larger home or small business.

### Features of Sterilight Silver UV water purification systems

- 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 with easy lamp and filter cartridge (DWS systems only) replacement and quick disconnect fittings.
- New Safety-Loc™ connector with interlock that ensures power is disconnected before lamp can be removed, hidden ground wire, and visual lamp on indicator.
- 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. Monitored systems also have the ability to report 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 allow for the installation of an optional solenoid valve which will stop the flow of water through the chamber should the UV performance fall below a safe level.
- Validated systems (V series) are NSF 55 Class B certified.

# SPECIFICATIONS - STANDARD SYSTEMS

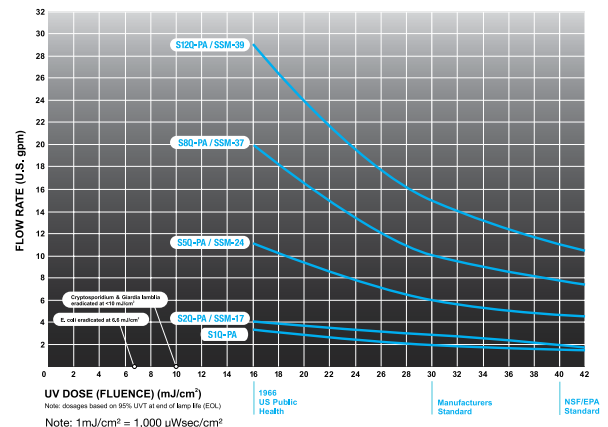
MODEL	S1Q-PA	S2Q-PA/ SSM-17	S5Q-PA/ SSM-24	S8Q-PA/ SSM-37	S12Q-PA/ SSM-39
<b>FLOW RATES<sup>1</sup></b>					
US Public Health (16 mJ/cm <sup>2</sup> )	12 lpm (3.5 gpm) (0.8 m <sup>3</sup> /hr)	15 lpm (5 gpm) (1.1 m <sup>3</sup> /hr)	42 lpm (11 gpm) (2.5 m <sup>3</sup> /hr)	75 lpm (20 gpm) (4.5 m <sup>3</sup> /hr)	110 lpm (29 gpm) (6.6 m <sup>3</sup> /hr)
VIQUA Standard (30 mJ/cm <sup>2</sup> )	7 lpm (2 gpm) (0.4 m <sup>3</sup> /hr)	11 lpm (3 gpm) (0.7 m <sup>3</sup> /hr)	23 lpm (6 gpm) (1.4 m <sup>3</sup> /hr)	38 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 lpm (1.5 gpm) (0.3 m <sup>3</sup> /hr)	7 lpm (2 gpm) (0.4 m <sup>3</sup> /hr)	17 lpm (4.5 gpm) (1.0 m <sup>3</sup> /hr)	29 lpm (8 gpm) (1.8 m <sup>3</sup> /hr)	42 lpm (11 gpm) (2.5 m <sup>3</sup> /hr)
<b>DIMENSIONS</b>					
Chamber	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					
SSM Systems	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")
SQ-PA Systems	18.6 cm x 8.1 cm x 6.4 cm (7.3" x 3.2" x 2.5")	18.6 cm x 8.1 cm x 6.4 cm (7.3" x 3.2" x 2.5")	18.6 cm x 8.1 cm x 6.4 cm (7.3" x 3.2" x 2.5")	18.6 cm x 8.1 cm x 6.4 cm (7.3" x 3.2" x 2.5")	18.6 cm x 8.1 cm x 6.4 cm (7.3" 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 (solenoid not included)		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	<b>QS-012</b> – quartz sleeve for S12Q-PA/SSM-39
<b>S330RL</b> – UV lamp for S2Q-PA/SSM-17	<b>QS-330</b> – quartz sleeve for S2Q-PA/SSM-17
<b>S463RL</b> – UV lamp for S5Q-PA/SSM-24	<b>410867</b> – o-ring for quartz sleeves
<b>S810RL</b> – UV lamp for S8Q-PA/SSM-37	<b>RN-001</b> – retaining nut for all systems
<b>S36RL</b> – UV lamp for S12Q-PA/SSM-39	<b>BA-ICE-S</b> – electronic ICE controller (100-240V./50-60Hz.)
<b>QS-001</b> – quartz sleeve for S1Q-PA	<b>BA-ICE-SM</b> – electronic ICE monitored controller (100-240V./50-60Hz.)
<b>QS-463</b> – quartz sleeve for S5Q-PA/SSM-24	<b>254NM-S1</b> – UV monitor assembly for SSM series (all except SSM-39)
<b>QS-810</b> – quartz sleeve for S8Q-PA/SSM-37	<b>254NM-S2</b> – UV monitor assembly for SSM series (SSM-39)



# SPECIFICATIONS - VALIDATED SYSTEMS (NSF)

MODEL	SV5Q-PA/SSMV-24	SV8Q-PA/SSMV-37	SV12Q-PA/SSMV-39
<b>FLOW RATES</b>			
NSF 55 Class B (16 mJ/cm <sup>2</sup> ) @ 70% UVT	13 lpm (3.6 gpm) (0.8 m <sup>3</sup> /hr)	26 lpm (7 gpm) (1.6 m <sup>3</sup> /hr)	35 lpm (9.2 gpm) (2.1 m <sup>3</sup> /hr)
<b>DIMENSIONS</b>			
Chamber	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			
SSMV Systems	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")
SV_Q Systems	18.6 cm x 8.1 cm x 6.4 cm (7.3" x 3.2" x 2.5")	18.6 cm x 8.1 cm x 6.4 cm (7.3" x 3.2" x 2.5")	18.6 cm x 8.1 cm x 6.4 cm (7.3" x 3.2" x 2.5")
Inlet/Outlet Port Size	3/4" MNPT	3/4" MNPT	Combo 3/4" FNPT/1" MNPT
Shipping Weight	3.6 kg (8 lbs.)	5.0 kg (11 lbs.)	5.9 kg (13 lbs.)
<b>FLOW RESTRICTOR</b>			
Size	3/4" MNPT	3/4" MNPT	1" MNPT
Length	(2.25") 5.7 cm	(2.25") 5.7 cm	(2.25") 5.7 cm
<b>ELECTRICAL</b>			
Voltage	100-240V/50-60Hz	100-240V/50-60Hz	100-240V/50-60Hz
Power Consumption	30 W	46 W	48 W
Lamp Watts	25 W	37 W	39 W
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)
Lamp Type	Sterilume™ - EX (Standard-output)		
Visual "Power-On"	Yes	Yes	Yes
Audible Lamp Failure	Yes	Yes	Yes
Lamp Replacement Reminder	Yes	Yes	Yes
Visual Lamp Life Remaining	Yes	Yes	Yes
Total Running Time	Yes	Yes	Yes
Chamber Material	304 SS	304 SS	304 SS
<b>SSMV MODELS ONLY</b>			
	<b>SSMV-24</b>	<b>SSMV-37</b>	<b>SSMV-39</b>
254nm UV Monitor	Yes	Yes	Yes
Solenoid Output (solenoid not included)	Yes	Yes	Yes
4-20 mA Output	Yes (optional 260134)	Yes (optional 260134)	Yes (optional 260134)

## Replacement Parts

<b>S463RL</b> – UV lamp for SV5Q-PA/SSMV-24	<b>410867</b> – o-ring for quartz sleeves
<b>S810RL</b> – UV lamp for SV8Q-PA/SSMV-37	<b>RN-001</b> – retaining nut for all systems
<b>S36RL</b> – UV lamp for SV12Q-PA/SSMV-39	<b>BA-ICE-S</b> – electronic ICE controller (100-240V/50-60Hz.)
<b>QS-463</b> – quartz sleeve for SV5Q-PA/SSMV-24	<b>BA-ICE-SM</b> – electronic ICE monitored controller (100-240V/50-60Hz.)
<b>QS-810</b> – quartz sleeve for SV8Q-PA/SSMV-37	<b>254NM-S1</b> – UV monitor assembly for SSMV series (all except SSMV-39)
<b>QS-012</b> – quartz sleeve for SV12Q-PA/SSMV-39	<b>254NM-S2</b> – UV monitor assembly for SSMV series (SSMV-39)



System Tested and Certified by NSF International against CSA B483.1 and NSF/ANSI 55 for Disinfection Performance, Class B

\*Validation only applies to the systems on table above.

# SPECIFICATIONS - INTEGRATED HOME SYSTEMS

MODEL	S1Q-DWS	S2Q-DWS	S5Q-DWS
<b>FLOW RATES<sup>1</sup></b>			
US Public Health (16 mJ/cm <sup>2</sup> )	13 lpm (3.5 gpm) (0.7 m <sup>3</sup> /Hr.)	19 lpm (5 gpm) (0.9 m <sup>3</sup> /Hr.)	42 lpm (11 gpm) (2.5 m <sup>3</sup> /Hr.)
VIQUA Standard (30 mJ/cm <sup>2</sup> )	7 lpm (2 gpm) (0.4 m <sup>3</sup> /Hr.)	11 lpm (3 gpm) (0.7 m <sup>3</sup> /Hr.)	23 lpm (6 gpm) (1.4 m <sup>3</sup> /Hr.)
NSF/EPA (40 mJ/cm <sup>2</sup> )	5 lpm (1.5 gpm) (0.3 m <sup>3</sup> /Hr.)	7 lpm (2 gpm) (0.5 m <sup>3</sup> /Hr.)	17 lpm (4.5 gpm) (1.0 m <sup>3</sup> /Hr.)
<b>DIMENSIONS</b>			
Overall Dimensions (Width x Height x Depth)	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)
<b>ELECTRICAL</b>			
Voltage	100-240V / 50-60 Hz	100-240V / 50-60 Hz	100-240V / 50-60 Hz
Power Consumption	19 W	22 W	30 W
Lamp Watts	14 W	17 W	25 W
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)
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

<b>S287RL</b> – UV lamp for S1Q-DWS
<b>S330RL</b> – UV lamp for S2Q-DWS
<b>S463RL</b> – UV lamp for S5Q-DWS
<b>QS-001</b> – quartz sleeve for S1Q-DWS
<b>QS-330</b> – quartz sleeve for S2Q-DWS
<b>QS-463</b> – quartz sleeve for S5Q-DWS
<b>410867</b> – o-ring for quartz sleeve
<b>BA-ICE-S</b> – electronic ICE ballast (100-240V/50-60Hz.)
<b>AWP110</b> – 5 micron sediment cartridge for S1Q-DWS & S2Q-DWS
<b>AWP117</b> – dual purpose carbon cartridge for S1Q-DWS & S2Q-DWS
<b>SW5-2</b> – 5 micron sediment cartridge for S5Q-DWS
<b>C-02</b> – carbon block cartridge for S5Q-DWS

## Available Models

<b>S1Q-DWS</b> – 7 L/min (2 gpm) includes disinfection system, sediment filter, carbon filter, bracket and complete installation kit including tubing, faucet, and fittings.
<b>S2Q-DWS</b> – 11 L/min (3.0 gpm) includes disinfection system, sediment filter, carbon filter, bracket and complete installation kit including tubing, faucet, and fittings.
<b>S5Q-DWS</b> – 22.7 L/min (6.0 gpm) includes disinfection system, sediment filter and carbon filter with bracket for main line installation.

## Warranty

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