SPECIFICATIONS - INTEGRATED HOME SYSTEMS
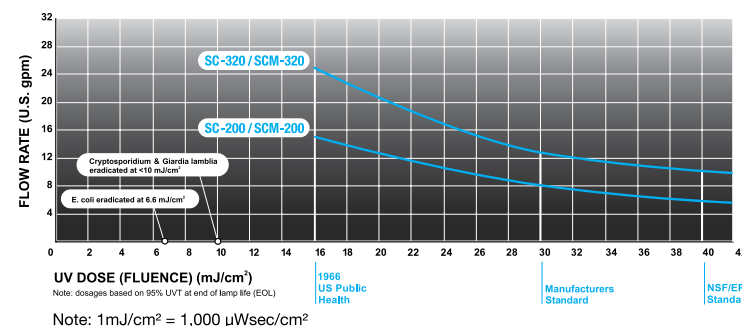
MODEL	SC-200-DWS10	SC-200-DWS11/ SCM-200-DWS11	SC-320-DWS12/ SCM-320-DWS12	SC-320-DWS22/ SCM-320-DWS22
FLOW RATES[1]				
VIQUA Standard (30 mJ/cm²)	30.3 lpm (8 gpm) (1.8 m³/hr)	30.3 lpm (8 gpm) (1.8 m³/hr)	49.2 lpm (13 gpm) (3.0 m³/hr)	49.2 lpm (13 gpm) (3.0 m³/hr)
NSF/EPA (40 mJ/cm²)	22.7 lpm (6 gpm) (1.4 m³/hr)	22.7 lpm (6 gpm) (1.4 m³/hr)	37.8 lpm (10 gpm) (2.3 m³/hr)	37.8 lpm (10 gpm) (2.3 m³/hr)
DIMENSIONS				
Overall Dimensions (Width x Depth x Height)	42.0 cm x 25.3 cm x 44.3 cm (16.5" x 10" x 17.5")	59.7 cm x 20.3 cm x 56 cm (23.5" x 8" x 22")	62 cm x 20.3 cm x 69.3 cm (24.4" x 8" x 27.3")	62 cm x 20.3 cm x 69.3 cm (24.4" x 8" x 27.3")
Inlet/Outlet Port Size	Combo- 3/4" FNPT & 1" MNPT			
Shipping Weight	11.8 kg (26 lbs.)	15.4 kg (34 lbs.)	17.7 kg (39 lbs.)	20 kg (44 lbs.)
ELECTRICAL				
Voltage	100-240V./50-60Hz	100-240V./50-60Hz	100-240V./50-60Hz	100-240V./50-60Hz
Power Consumption	35 W	35 W	42 W	42W
Lamp Watts	25 W	25 W	34 W	34 W
Maximum Operating Pressure	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)
Lamp Type	Sterilume™ - HO (high-output)			
Visual "Power-On"	Yes	Yes	Yes	Yes
Audible Lamp Failure	Yes	Yes	Yes	Yes
Lamp Replacement Reminder	Yes	Yes	Yes	Yes
Visual Lamp Life Remaining	Yes	Yes	Yes	Yes
Total Running Time	Yes	Yes	Yes	Yes
Chamber Material[2]	304 SS	304 SS	304 SS	304 SS
Filter Housing	10" high flow	Two 10" high flow	One 10" high flow One 20" high flow	Two 20" high flow

SCM MODELS ONLY	SCM-200		SCM-320	
254nm UV Monitor	Yes		Yes	
Solenoid Output (solenoid not included)	Yes		Yes	
4-20 mA Output	Yes (Optional 260134)		Yes (Optional 260134)	

[1] Flow Flow rates stated @ 95% UVT EOL *(flow rates based on UV system only, actual DWS system flow rates will vary and will be limited by the installed cartridge)*

Replacement Parts

S200RL-HO	– UV lamp for 200 systems
QS-200	– quartz sleeve for 200 systems
S320RL-HO	– UV lamp for 320 systems
QS-320	– quartz sleeve for 320 systems
410867	– o-ring for quartz sleeves
RN-001	– retaining nut for all systems
BA-ICE-CL	– controller (100-240V/50-60Hz) for SC models
BA-ICE-CM	– controller (100-240V/50-60Hz) for SCM models
254NM-C1	– UV monitor assembly for SCM models

FLOW RATE (U.S. gpm) vs UV DOSE (FLUENCE) (mJ/cm²)

SC-320 / SCM-320
SC-200 / SCM-200
Cryptosporidium & Giardia lamblia eradicated at <10 mJ/cm²
E. coli eradicated at 6.6 mJ/cm²

1966 US Public Health
Manufacturers Standard
NSF/EPA Standard

Note: dosages based on 95% UVT at end of lamp life (EOL)

Note: 1mJ/cm² = 1,000 µWsec/cm²

Warranty

Please visit www.viqua.com for the comprehensive warranty for our Sterilight product line.

Ultraviolet Water Purification Systems from VIQUA

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

Regardless of your need, there is a Cobalt system to suit your requirements. VIQUA offers systems that range in flow rates from 8 gpm for an average home, up to 60 gpm for a larger home or small business.

Features of Sterilight Cobalt 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™-HO 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 cartridge 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 Cobalt™ 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 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 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 a level.

- Validated systems (SCV and SCMV series) are NSF 55 Class B certified.

SPECIFICATIONS - VALIDATED SYSTEMS (NSF)

MODEL		SCV-200/ SCMV-200	SCV-320/ SCMV-320	SCV-600/ SCMV-600	SCV-740/ SCMV-740
FLOW RATES					
NSF 55 Class B (16 mJ/cm²) @ 70% UVT		16 lpm (4.4 gpm) (1.0 m³/hr)	26 lpm (6.9 gpm) (1.6 m³/hr)	42 lpm (11.1 gpm) (2.5 m³/hr)	60 lpm (15.8 gpm) (3.6 m³/hr)
DIMENSIONS					
Reactor		45.2 cm x 8.9 cm (17.8" x 3.5")	57.9 cm x 8.9 cm (22.8" x 3.5")	78.0 cm x 8.9 cm (30.7" x 3.5")	100.0 cm x 8.9 cm (39.4" x 3.5")
Controller	Basic	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")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")
	Monitored	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")
Inlet/Outlet Port Size		Combo - 3/4" FNPT/1" MNPT	Combo - 3/4" FNPT/1" MNPT	1" MNPT	1.5" MNPT
Shipping Weight		5.4 kg (12 lbs.)	6.8 kg (15 lbs.)	8.6 kg (19 lbs.)	10.9 kg (24 lbs.)
FLOW RESTRICTOR					
Size		1" MNPT	1" MNPT	1" MNPT	1.5" MNPT
Length		(2.75") 7 cm	(2.75") 7 cm	(2.75") 7 cm	(2.75") 7 cm
ELECTRICAL					
Voltage		100-240V./50-60Hz	100-240V./50-60Hz	100-240V./50-60Hz	100-240V./50-60Hz
Power Consumption		35 W	42 W	70 W	82 W
Lamp Watts		25 W	34 W	58 W	70 W
Maximum Operating Pressure		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)
Lamp Type		Sterilume™ - HO (high-output)			
Visual "Power-On"		Yes	Yes	Yes	Yes
Audible Lamp Failure		Yes	Yes	Yes	Yes
Lamp Replacement Reminder		Yes	Yes	Yes	Yes
Visual Lamp Life Remaining		Yes	Yes	Yes	Yes
Total Running Time		Yes	Yes	Yes	Yes
Chamber Material		304 SS	304 SS	304 SS	304 SS
SCMV MODELS ONLY		**SCMV-200**	**SCMV-320**	**SCMV-600**	**SCMV-740**
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)

Replacement Parts

S200RL-HO – UV lamp for SCV-200/SCMV-200	**QS-740** – quartz sleeve for SCV-740/SCMV-740
S320RL-HO – UV lamp for SCV-320/SCMV-320	**410867** – o-ring for all quartz sleeves
S600RL-HO – UV lamp for SCV-600/SCMV-600	**RN-001** – retaining nut for all systems
S740RL-HO – UV lamp for SCV-740/SCMV-740	**BA-ICE-C** – electronic ICE high power controller (100-240V/ 50-60Hz)
QS-200 – quartz sleeve for SCV-200/SCMV-200	**BA-ICE-CL** – electronic ICE low power controller (100-240V./ 50-60Hz.)
QS-320 – quartz sleeve for SCV-320/SCMV-320	**BA-ICE-CM** – electronic ICE monitored controller (100-240V/50-60Hz.)
QS-600 – quartz sleeve for SCV-600/SCMV-600	**254NM-C1** – UV monitor assembly for SCMV series

*Validation only applies to the systems on table above.

SPECIFICATIONS - STANDARD SYSTEMS

MODEL		SC-200/ SCM-200	SC-320/ SCM-320	SC-600/ SCM-600	SC-740/ SCM-740
FLOW RATES[1]					
US Public Health (16 mJ/cm²)		57 lpm (15 gpm) (3.4 m³/hr)	95 lpm (25 gpm) (5.7 m³/hr)	151 lpm (40 gpm) (9.1 m³/hr)	189 lpm (50 gpm) (11.4 m³/hr)
VIQUA Standard (30 mJ/cm²)		30 lpm (8 gpm) (1.8 m³/hr)	49 lpm (13 gpm) (3.0 m³/hr)	121 lpm (32 gpm) (7.3 m³/hr)	151 lpm (40 gpm) (9.1 m³/hr)
NSF/EPA (40 mJ/cm²)		23 lpm (6 gpm) (1.4 m³/hr)	38 lpm (10 gpm) (2.3 m³/hr)	91 lpm (24 gpm) (5.4 m³/hr)	114 lpm (30 gpm) (6.8 m³/hr)
DIMENSIONS					
Reactor		45.2 cm x 8.9 cm (17.8" x 3.5")	57.9 cm x 8.9 cm (22.8" x 3.5")	78.0 cm x 8.9 cm (30.7" x 3.5")	100.0 cm x 8.9 cm (39.4" x 3.5")
Controller	Basic	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")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")
	Monitored	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")	24.1 cm x 8.1 cm x 6.4 cm (9.4" x 3.2" x 2.5")
Inlet/Outlet Port Size		Combo - 3/4" FNPT/1" MNPT	Combo - 3/4" FNPT/1" MNPT	1" MNPT	1.5" MNPT
Shipping Weight		5.4 kg (12 lbs.)	6.8 kg (15 lbs.)	8.6 kg (19 lbs.)	10.9 kg (24 lbs.)
ELECTRICAL					
Voltage		100-240V./50-60Hz	100-240V./50-60Hz	100-240V./50-60Hz	100-240V./50-60Hz
Power Consumption		35 W	42 W	70 W	82 W
Lamp Watts		25 W	34 W	58 W	70 W
Maximum Operating Pressure		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)
Lamp Type		Sterilume™ - HO (high-output)			
Visual "Power-On"		Yes	Yes	Yes	Yes
Audible Lamp Failure		Yes	Yes	Yes	Yes
Lamp Replacement Reminder		Yes	Yes	Yes	Yes
Visual Lamp Life Remaining		Yes	Yes	Yes	Yes
Total Running Time		Yes	Yes	Yes	Yes
Chamber Material[2]		304 SS	304 SS	304 SS	304 SS
SCM MODELS ONLY		**SCM-200**	**SCM-320**	**SCM-600**	**SCM-740**
254nm UV Monitor		Yes	Yes	Yes	Yes
Solenoid Output (solenoid not included)		Yes	Yes	Yes	Yes
4-20 mA Output		Yes (optional 260134)			

[1] Flow rates stated @ 95% UVT EOL

Replacement Parts

S200RL-HO – UV lamp for SC-200/SCM-200
S320RL-HO – UV lamp for SC-320/SCM-320
S600RL-HO – UV lamp for SC-600/SCM-600
S740RL-HO – UV lamp for SC-740/SCM-740
QS-200 – quartz sleeve for SC-200/SCM-200
QS-320 – quartz sleeve for SC-320/SCM-320
QS-600 – quartz sleeve for SC-600/SCM-600
QS-740 – quartz sleeve for SC-740/SCM-740
410867 – o-ring for all quartz sleeves
RN-001 – retaining nut for all systems
BA-ICE-C – electronic ICE high power controller (100-240V/ 50-60Hz.)
BA-ICE-CL – electronic ICE low power controller (100-240V./ 50-60Hz.)
BA-ICE-CM – electronic ICE monitored controller (100-240V/50-60Hz.)
254NM-C1 – UV monitor assembly for SCM series

Flow rate vs UV dose chart showing curves for SC-600/SCM-600, SC-740/SCM-740, SC-320/SCM-320, SC-200/SCM-200. X-axis: UV DOSE (FLUENCE) (mJ/cm²). Y-axis: FLOW RATE (U.S. gpm). Annotations: Cryptosporidium & Giardia lamblia eradicated at <10 mJ/cm²; E. coli eradicated at 6.6 mJ/cm²; 1966 US Public Health; Manufacturers Standard; NSF/EPA Standard.

Note: dosages based on 95% UVT at end of lamp life (EOL)

Note: 1mJ/cm² = 1,000 µWsec/cm²