

# Ultraviolet Water Disinfection Systems from VIQUA

The quality of drinking water can change with time and become contaminated with harmful bacteria. The **PROFESSIONAL family** of compact UV disinfection systems provide a **reliable, economical, and chemical-free** way to safeguard drinking water in any light commercial application. VIQUA's products have been designed and tested to ensure quality drinking water is at everyone's finger tips.

Regardless of your need, there is a VIQUA system to suit your requirements. VIQUA's High-Flow series offers systems that range in flow rates from 143 GPM (32 m<sup>3</sup>/hr) up to 183 GPM (41 m<sup>3</sup>/hr) for facilities with higher water demands.

VIQUA's line of High Flow UV water disinfection systems has been specifically designed to extend the flow rate range of drinking water that can be safeguarded using the proven and trusted technology already offered by the VIQUA family of products.



## Features of VIQUA UV water disinfection systems

- Equipped to inactivate harmful microorganisms in water flows up to 183 GPM (41 m<sup>3</sup>/hr).
- Specially designed and tested Sterilume-HO lamps provide consistent and reliable UV output over the entire life of the lamp (9000 hours) to ensure continuous purification.
- Superior quality stainless steel chamber.
- Separate control panel with power isolation.
- Visual display of lamp life remaining and audible/visual lamp change reminder.
- Specialised 254nm UV intensity sensor available (SHFM models) with output to enable solenoid valve or remote alarm.

# Specifications

				
<b>MODEL</b>	SHF-140; SHF-140/2; SHF-140/2A; SHF-140/2B	SHF-180; SHF-180/2; SHF-180/2A; SHF-180/2B	SHFM-140; SHFM-140/2; SHFM-140/2A; SHFM-140/2B	SHFM-180; SHFM-180/2; SHFM-180/2A; SHFM-180/2B
<b>FLOW RATES</b>				
US Public Health (16 mJ/cm <sup>2</sup> )	268 GPM (1014 lpm) (61 m <sup>3</sup> /hr)	340 GPM (1285 lpm) (78 m <sup>3</sup> /hr)	268 GPM (1014 lpm) (61 m <sup>3</sup> /hr)	340 GPM (1285 lpm) (78 m <sup>3</sup> /hr)
VIQUA Standard (30 mJ/cm <sup>2</sup> )	143 GPM (540 lpm) (32 m <sup>3</sup> /hr)	183 GPM (693 lpm) (41 m <sup>3</sup> /hr)	143 GPM (540 lpm) (32 m <sup>3</sup> /hr)	183 GPM (693 lpm) (41 m <sup>3</sup> /hr)
NSF/EPA (40 mJ/cm <sup>2</sup> )	107 GPM (406 lpm) (24 m <sup>3</sup> /hr)	137 GPM (519 lpm) (31 m <sup>3</sup> /hr)	107 GPM (406 lpm) (24 m <sup>3</sup> /hr)	137 GPM (519 lpm) (31 m <sup>3</sup> /hr)
<b>DIMENSIONS</b>				
Dimensions	34" x 6" x 14" (86.4 cm x 15.2 cm x 35.6 cm)	42.5" x 6" x 14" (107.3 cm x 15.2 cm x 35.6 cm)	34" x 6" x 14" (86.4 cm x 15.2 cm x 35.6 cm)	42.5" x 6" x 14" (107.3 cm x 15.2 cm x 35.6 cm)
Inlet/Outlet Port Size	3" FLANGE	3" FLANGE	3" FLANGE	3" FLANGE
Shipping Weight	68 lbs (30.8 kg)	78 lbs (35.4 kg)	70 lbs (31.8 kg)	80 lbs (36.8 kg)
<b>ELECTRICAL</b>				
Voltage	100-240V / 50-60 Hz	100-240V / 50-60 Hz	100-240V / 50-60 Hz	100-240V / 50-60 Hz
Power Consumption	320 W	400 W	320 W	400 W
Maximum Operating Pressure	125 psi (8.62 bar)	125 psi (8.62 bar)	125 psi (8.62 bar)	125 psi (8.62 bar)
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)
Number of Lamps	4	4	4	4
<b>FEATURES</b>				
Visual "Power On"	YES	YES	YES	YES
Chamber Material	316L SS	316L SS	316L SS	316L SS
Visual Lamp Life Remaining	YES	YES	YES	YES
Audible Lamp Failure	YES	YES	YES	YES
Audible Lamp Replacement Reminder	YES	YES	YES	YES
UV Sensor	NO	NO	YES	YES
Sensor Reading Output (4-20mA)	--	--	Optional with 260134	Optional with 260134

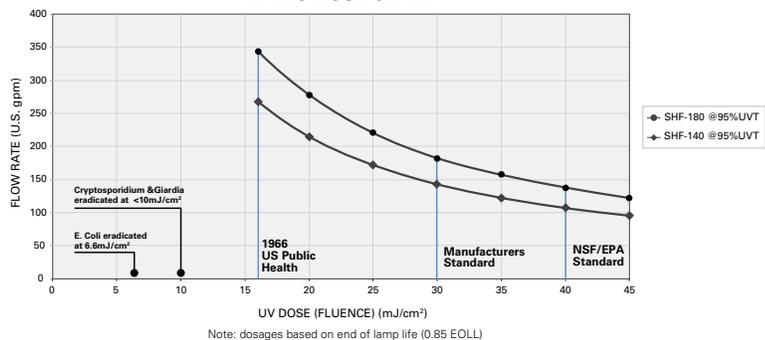
## Replacement Parts

<b>S740RL-4C</b> – UV lamp for SHF-140 & SHFM-140	<b>BA-ICE-HF</b> – controller for SHF-140 & SHF-180
<b>S950RL-4C</b> – UV lamp for SHF-180 & SHFM-180	<b>BA-ICE-M-HF</b> – controller for SHFM-140 & SHFM-180
<b>QS-012</b> – quartz sleeve for SHF-140 & SHFM-140	<b>245NM-HF</b> – UV sensor for SHFM-140 & SHFM-180
<b>QS-180</b> – quartz sleeve for SHF-180 & SHFM-180	

## Water Quality Parameters

Hardness: < 7 grains (120 mg/L)  
Iron: < 0.3 mg/L  
Tannins: < 0.1 mg/L

HI-FLO DOSE CHART



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