

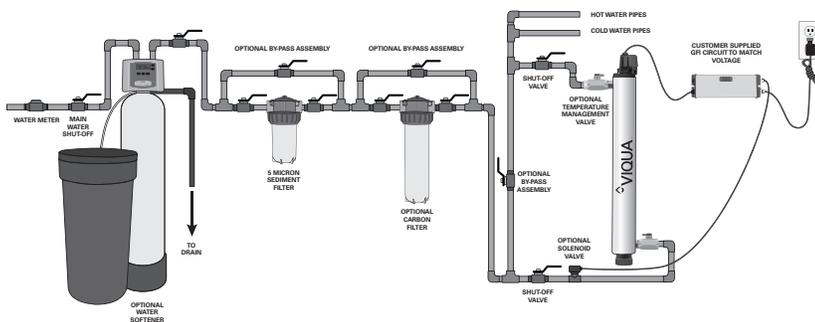


# VH150, VH200, VH410 & VH410M

## Ultraviolet Water Disinfection Systems from VIQUA

The quality of drinking water can change with time and become contaminated with harmful bacteria. The VIQUA **HOME** family of compact UV disinfection systems provide a **reliable, economical,** and **chemical-free** way to safeguard drinking water in any residential application. VIQUA's range of 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 offers systems that range in flow rates from just 5 GPM for a small home or cottage, up to 18 GPM for a larger home or small business.



### Features of VIQUA UV water disinfection 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. High output lamps allow for small footprint while providing the same UV performance as a standard output lamp in a longer chamber.
- The system is simple to maintain and service allowing for easy lamp replacement.
- Built with a **durable stainless steel chamber** to prolong life and eliminate ultraviolet light degradation.
- Safety-Loc™ connector with interlock that ensures power is disconnected before lamp can be removed.
- The controller visually displays the remaining lamp life and will go into alarm if the lamp fails. Monitored systems are equipped with a UV sensor which provides a continuous readout of UV intensity.
- 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.

# Specifications



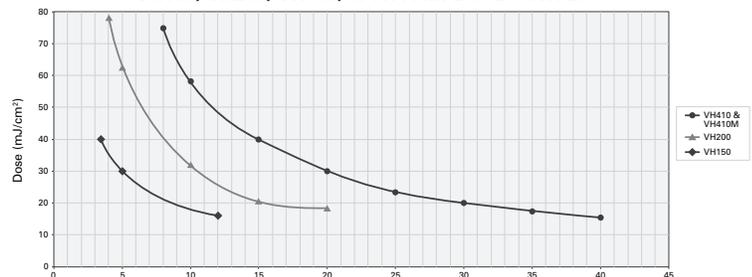
MODEL	VH150	VH200	VH410	VH410M
<b>FLOW RATES (@ 95% UVT)</b>				
US Public Health (16 mJ/cm <sup>2</sup> )	12 GPM (45 lpm) (2.7 m <sup>3</sup> /hr)	16 GPM (60 lpm) (3.6 m <sup>3</sup> /hr)	34 GPM (130 lpm) (7.8 m <sup>3</sup> /hr)	34 GPM (130 lpm) (7.8 m <sup>3</sup> /hr)
VIQUA Standard (30 mJ/cm <sup>2</sup> )	5 GPM (19 lpm) (1.1 m <sup>3</sup> /hr)	9 GPM (34 lpm) (2.0 m <sup>3</sup> /hr)	18 GPM (70 lpm) (4.2 m <sup>3</sup> /hr)	18 GPM (70 lpm) (4.2 m <sup>3</sup> /hr)
NSF/EPA (40 mJ/cm <sup>2</sup> )	3.5 GPM (13 lpm) (0.8 m <sup>3</sup> /hr)	7 GPM (26 lpm) (1.6 m <sup>3</sup> /hr)	14 GPM (54 lpm) (3.3 m <sup>3</sup> /hr)	14 GPM (54 lpm) (3.3 m <sup>3</sup> /hr)
<b>DIMENSIONS</b>				
Chamber	13" x 3.5" (33 cm x 8.9 cm)	17.75" x 3.5" (45 cm x 8.9 cm)	23.5" x 3.5" (59.6 cm x 8.9 cm)	23.5" x 3.5" (59.6 cm x 8.9 cm)
Controller	6.8" x 3.2" x 2.5" (17.2 cm x 8.1 cm x 6.4 cm)	6.8" x 3.2" x 2.5" (17.2 cm x 8.1 cm x 6.4 cm)	6.8" x 3.2" x 2.5" (17.2 cm x 8.1 cm x 6.4 cm)	9.25" x 3.25" x 2.5" (24 cm x 8.1 cm x 6.9 cm)
Inlet/Outlet Port Size	Combo 3/4" FNPT / 1" MNPT	3/4" - 1" MNPT COMBO*	3/4" - 1" MNPT COMBO*	3/4" - 1" MNPT COMBO*
Shipping Weight	8 lbs (3.6 kg)	12 lbs (5.4 kg)	17 lbs (7.7 kg)	17 lbs (7.7 kg)
<b>ELECTRICAL</b>				
Voltage	120-240V / 50/60 Hz			
Power Consumption	32 W	35 W	60 W	60 W
Maximum Operating Pressure	125 psi (8.62 bar)			
Influent 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)
<b>FEATURES</b>				
Visual "Power On"	YES	YES	YES	YES
Chamber Material	304 SS	304 SS	304 SS	304 SS
Visual Lamp Life Remaining	YES	YES	YES	YES
Audible Lamp Life Failure	YES	YES	YES	YES
Audible Lamp Replacement Reminder	YES	YES	YES	YES
UV Sensor	NO	NO	NO	YES

\* /2B - BSP

## Replacement Parts

<b>S150RL-HO</b> – UV lamp for VH150	<b>QS-001</b> – quartz sleeve for VH200
<b>S200RL-HO</b> – UV lamp for VH200	<b>QSO-410</b> – quartz sleeve for VH410 & VH410M
<b>S410RL-HO</b> – UV lamp for VH410 & VH410M	<b>410867</b> – o-ring for quartz sleeves
<b>QL-150</b> – quartz sleeve, UV lamp combo pack for VH150	<b>RN-001</b> – retaining nut for all systems
<b>QL-200</b> – quartz sleeve, UV lamp combo pack for VH200	<b>RN-001/1</b> – retaining nut with plug for all systems
<b>QL-410</b> – quartz sleeve, UV lamp combo pack for VH410 & VH410M	<b>BA-ICE-CL</b> – electronic ICE controller for VH150, VH200, VH410
<b>QSO-150</b> – quartz sleeve for VH150	<b>BA-ICE-CM</b> – electronic ICE controller for VH410M

**VH150, VH200, VH410, & VH410M DOSE CURVES**



## Water Quality Parameters

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



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