



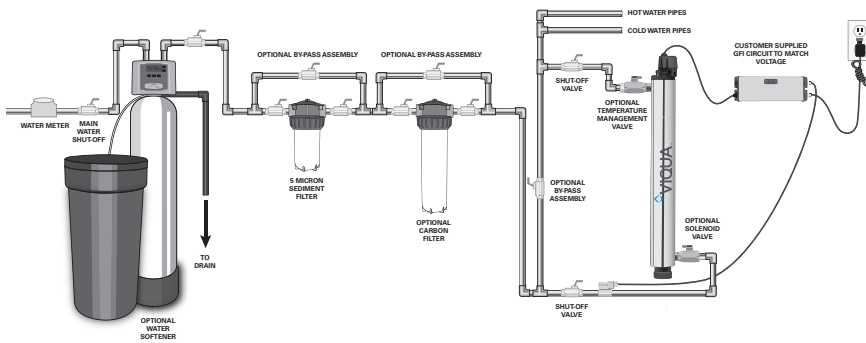
VH200-V, VH410-V & VH410M-V

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 6 GPM for a small home or cottage, up to 18 GPM for a larger home or small business.

This Class B system or component conforms to NSF/ANSI 55 for the supplemental bactericidal treatment of disinfected public drinking water or other drinking water that has been tested and deemed acceptable for human consumption by the state or local health agency having jurisdiction. The system is only designed to reduce normally occurring non-pathogenic, nuisance microorganisms. Class B systems are not intended for treatment of contaminated water.



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™-EX lamps provide **consistent and reliable** ultraviolet output over the entire life of the lamp (9000 hours) to ensure continuous purification.
- 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, hidden ground wire.
- 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	VH200-V	VH410-V	VH410M-V
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FLOW RATES (@ 70% UVT)

NSF Class B Certified (16 mJ/cm ²)	7.8 gpm (29.5 lpm) (1.7m ³ /hr)	14 gpm (53 lpm) (3.2m ³ /hr)	14 gpm (53 lpm) (3.2m ³ /hr)
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DIMENSIONS

Chamber	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	7.25" x 3.25" x 2.5" (18.6 cm x 8.1 cm x 6.4 cm)	7.25" x 3.25" x 2.5" (18.6 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	3/4" - 1" MNPT COMBO (1/2B - BSP)	3/4" - 1" MNPT COMBO (1/2B - BSP)	3/4" - 1" COMBO NPT (1/2B - BSP)
Shipping Weight	12 lbs (5.4 kg)	17 lbs (7.7 kg)	17 lbs (7.7 kg)

ELECTRICAL

Voltage	100-240V / 50/60 Hz	100-240V / 50/60 Hz	100-240V / 50/60 Hz
Power Consumption	35 W	60 W	60 W
Maximum Operating Pressure	125 psi (8.62 bar)	125 psi (8.62 bar)	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)

FEATURES

Visual "Power On"	YES	YES	YES
Chamber Material	304 SS	304 SS	304 SS
Visual Lamp Life Remaining	YES	YES	YES
Audible Lamp Life Failure	YES	YES	YES
Audible Lamp Replacement Reminder	YES	YES	YES
UV Sensor	NO	NO	YES

Testing was performed under standard laboratory conditions but actual performance may vary

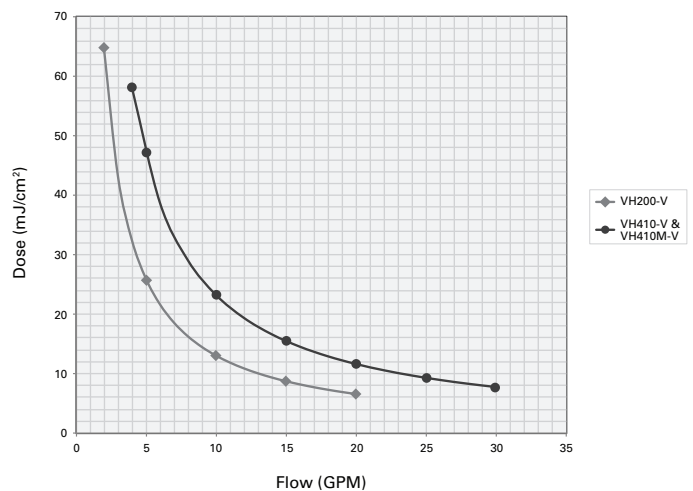
Replacement Parts

S200RL-HO – UV lamp for VH200-V	RN-001/1 – retaining nut with plug for all systems
S410RL-HO – UV lamp for VH410-V & VH410M-V	BA-ICE-CL – electronic ICE controller for VH200-V, VH410-V
QS-001 – quartz sleeve for VH200-V	BA-ICE-CM – electronic ICE controller for VH410M-V
QSO-410 – quartz sleeve for VH410-V and VH410M-V	440315-R – flow restrictor for VH200-V
410867 – o-ring for quartz sleeves	440316-R – flow restrictor for VH410-V & VH410M-V
RN-001 – retaining nut for all systems	

Water Quality Parameters

Hardness < 7 grains (120 mg/L)	Iron < 0.3 mg/L	Tannins < 0.1 mg/L
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VH200-V, VH410-V, & VH410M-V DOSE CURVES



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