



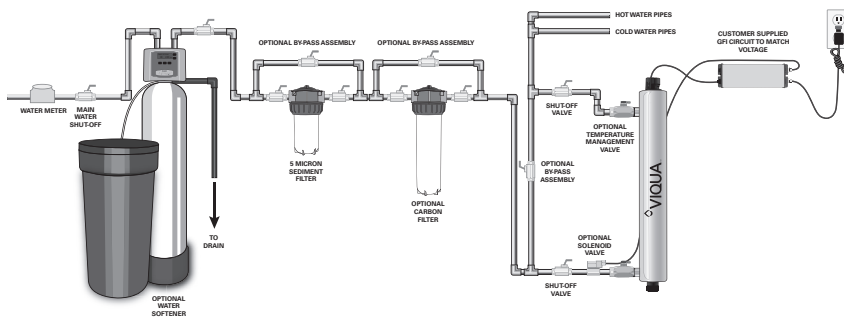
VH200-V, VH410-V, VH410M-V, D4-V & D4-V+

Ultraviolet Water Disinfection Systems from VIQUA

The VIQUA **HOME family** of compact UV disinfection systems provide a **reliable** and **economical** way to treat drinking water in virtually 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 NSF 55 Class B Certified systems in flow rates from 5.2 GPM up to 18 GPM which are ideal for most cottages, average to large sized homes, and small businesses.

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 lamps provide **consistent and reliable** ultraviolet output over the entire life of the lamp (9000 hours) to ensure continuous purification.
- Built with a **durable stainless steel chamber** to prolong life and eliminate ultraviolet light degradation.
- The controller visually displays the remaining lamp life and will go into alarm if the lamp fails. The VH410M-V and D4-V+ systems are equipped with a UV sensor which provides a continuous readout of UV intensity.
- LCD controller (for D4-V and D4-V+ models) features a large backlit display for easy reading, simultaneously displaying lamp life remaining, UV Intensity Status, support contact information, and lamp replacement reminder that indicates when the lamp needs to be replaced. The intuitive, user-friendly menu is dealer programmable and allows the user to quickly find the replacement parts needed for the system by using the replacement parts menu, as well as quick reference instructions on board for system troubleshooting.
- The VH410M-V, D4-V, and D4-V+ allows 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	D4-V	D4-V+
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FLOW RATES (@ 70% UVT)

NSF Class B Certified (16 mJ/cm ²)	78 GPM (29.5 lpm) (1.7 m ³ /hr)	14 GPM (53 lpm) (3.2 m ³ /hr)	14 GPM (53 lpm) (3.2 m ³ /hr)	8.9 GPM (34 lpm) (2.0 m ³ /hr)	8.9 GPM (34 lpm) (2.0 m 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)	20.5" x 4" (52 cm x 10 cm)	20.5" x 4" (52 cm x 10 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)	8.5" x 6" x 8" (22 cm x 15 cm x 7.6 cm)	8.5" x 6" x 8" (22 cm x 15 cm x 7.6 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)	3/4" MNPT	3/4" MNPT
Shipping Weight	12 lbs (5.4 kg)	17 lbs (7.7 kg)	17 lbs (7.7 kg)	10 lbs (4.5 kg)	10 lbs (4.5 kg)

ELECTRICAL

Voltage	100-240V / 50/60 Hz	100-240V / 50/60 Hz	100-240V / 50/60 Hz	100-240V / 50/60 Hz	100-240V / 50/60 Hz
Power Consumption	35 W	60 W	60 W	50 W	50 W
Maximum Operating Pressure	125 psi (8.62 bar)	125 psi (8.62 bar)	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)	2-40°C (36-104°F)	2-40°C (36-104°F)

FEATURES

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

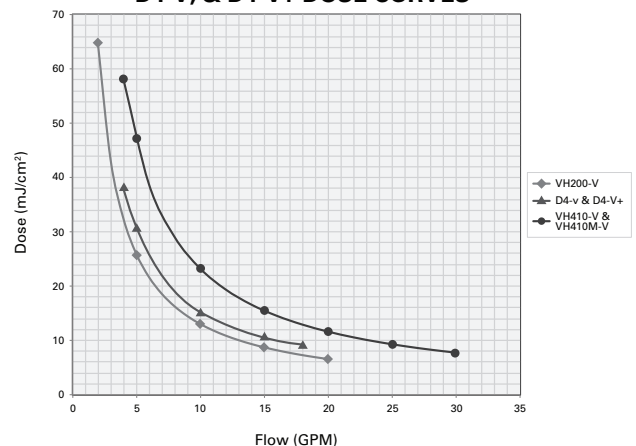
Replacement Parts

S200RL-HO – UV lamp for VH200-V	BA-ICE-CM – electronic ICE controller VH410M-V
S410RL-HO – UV lamp for VH410-V & VH410M-V	650733R-001 – electronic controller for D4-V & D4-V+
602805 – UV lamp for D4-V & D4-V+	440315-R – flow restrictor for VH200-V
QS-001 – quartz sleeve for VH200-V	440316-R – flow restrictor for VH410-V & VH410M-V
QSO-410 – quartz sleeve for VH410-V & VH410M-V	410867 – o-ring for for all VH systems
602732 – quartz sleeve for D4-V & D4-V+	RN-001 – retaining nut for all VH systems
BA-ICE-CL – electronic ICE controller for VH200-V & VH410-V	RN-001/1 – retaining nut with plug for all VH systems

Water Quality Parameters

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

VH200-V, VH410-V, VH410M-V, D4-V, & D4-V+ DOSE CURVES



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