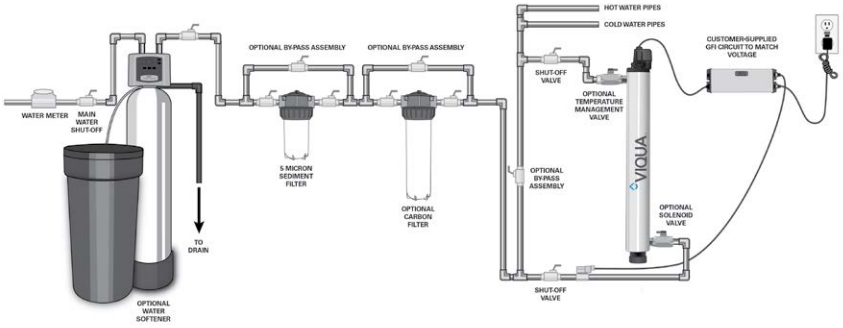
VH200-V, VH410-V, and VH410M-V

Ultraviolet Water Treatment Systems from VIQUA

The quality of drinking water changes with time and can become contaminated with microorganisms that can cause illness. The **VIQUA HOME family** of compact UV treatment systems provides a reliable and economical way to deliver better quality drinking water in any residential application.

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 nonpathogenic, nuisance microorganisms. Class B systems are not intended for treatment of contaminated water.

Features of VIQUA UV water systems

- Capable of inactivating common waterborne pathogens, including *cryptosporidium, giardia, pathogenic E. coli (STEC/VTEC), campylobacter, legionella, salmonella, shigella, norovirus, enterovirus,* and *hepatitis A virus**
- Specially designed and tested UV lamps that provide consistent, reliable ultraviolet output over the entire life of the lamp (9,000 hours) to ensure continuous treatment
- Simple to maintain and service, allowing for easy lamp replacement
- A durable stainless-steel chamber to prolong life and eliminate UV light degradation
- Safety-Loc™ connector with interlock that ensures power is disconnected before lamp can be removed
- Controller that displays the remaining lamp life and issues an alarm if the lamp fails
- UV sensor that provides a continuous readout of UV intensity (available in monitored systems)
- Optional solenoid valve to stop the flow of water through the chamber in the event UV performance falls below an optimal level (available in monitored systems)

*Efficacy of VIQUA systems has been demonstrated in internal testing. Visit VIQUA.com for details.

Specifications

	VH200-V	VH410-V	VH410M-V
Flow rates (@ 70% UVT)			
NSF Class B Certified (16 mJ/cm²)	7.8 gpm (29.5 lpm); 1.7 m³/hr	14 gpm (53 lpm); 3.2 m³/hr	14 gpm (53 lpm); 3.2 m³/hr
Dimensions			
Chamber	17.75 in. x 3.5 in. (45 cm x 8.9 cm)	23.5 in. x 3.5 in. (59.6 cm x 8.9 cm)	23.5 in. x 3.5 in. (59.6 cm x 8.9 cm)
Controller	7.25 in. x 3.25 in. x 2.5 in. (18.6 cm x 8.1 cm x 6.4 cm)	7.25 in. x 3.25 in. x 2.5 in. (18.6 cm x 8.1 cm x 6.4 cm)	9.25 in. x 3.25 in. x 2.5 in. (24 cm x 8.1 cm x 6.9 cm)
Inlet and outlet port size	Combo: ¾ in. FNPT, 1 in. MNPT		
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	35W	60W	60W
Maximum operating pressure	125 psi (8.62 bar)	125 psi (8.62 bar)	125 psi (8.62 bar)
Influent water temperature	2 to 40°C (36 to 104°F)	2 to 40°C (36 to 104°F)	2 to 40°C (36 to 104°F)
Features			
Visual "power on"	Y	Y	Y
Chamber material	304 stainless steel	304 stainless steel	304 stainless steel
Visual lamp life remaining	Y	Y	Y
Audible lamp life failure	Y	Y	Y
Audible lamp replacement reminder	Y	Y	Y
UV sensor	N	N	Y

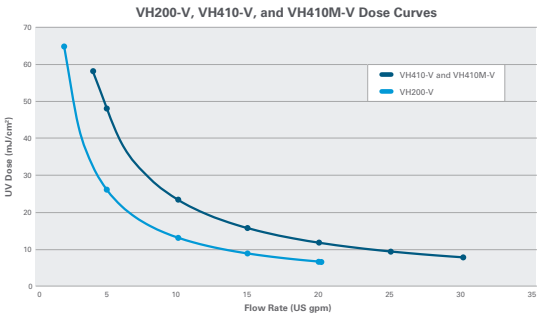
Note: Testing was performed under standard laboratory conditions, but actual performance may vary.

Replacement parts

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

Water quality parameters

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



To learn more about the VIQUA HOME family and the efficacy of its UV treatment systems, visit VIQUA.com

425 Clair Rd. W, Guelph, Ontario, Canada N1L 1R1 • 1.800.265.7246 (US/CAN) • +31.73.747.0144 (EUR) • **VIQUA.com**

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