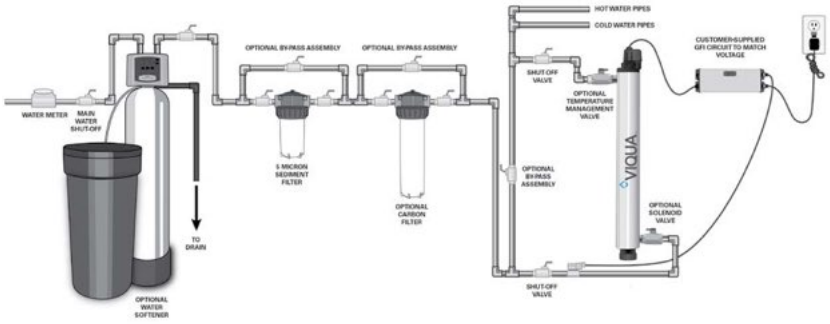
VH150, VH200, VH410, and VH410M

Ultraviolet Water Treatment Systems from VIQUA

The **VIQUA HOME family** of compact UV systems provides 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 deliver quality drinking water to every tap.

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 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
- High-output lamps, allowing for a small footprint with the same UV performance as a standard output lamp in a longer chamber
- Simple to maintain and service, allowing for easy lamp replacement
- 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
- Controller that visually displays the remaining lamp life and sends an alarm in the event of lamp failure
- UV sensor that provides a continuous readout of UV intensity (available in monitored systems)
- Optional installation of a solenoid valve that stops the flow of water through the chamber should the UV performance fall below an optimal level (available in monitored systems)

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

Specifications

	VH150	VH200	VH410	VH410M
Flow rates (@ 95% UVT)				
U.S. Public Health 16 mJ/cm²	12 gpm (45 lpm); 2.7 m³/hr	16 gpm (60 lpm); 3.6 m³/hr	34 gpm (130 lpm); 7.8 m³/hr)	34 gpm (130 lpm); 7.8 m³/hr
VIQUA Standard 30 mJ/cm²	5 gpm (19 lpm); 1.1 m³/hr	9 gpm (34 lpm); 2.0 m³/hr	18 gpm (70 lpm); 4.2 m³/hr	18 gpm (70 lpm); 4.2 m³/hr
NSF/EPA 40 mJ/cm²	3.5 gpm (19 lpm); 0.8 m³/hr	7 gpm (26 lpm); 1.6 m³/hr	14 gpm (54 lpm); 3.3 m³/hr	14 gpm (54 lpm); 3.3 m³/hr
Dimensions				
Chamber	13 in. x 3.5 in. (33 cm x 8.9 cm)	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)	
Controller	6.8 in. x 3.2 in. x 2.5 in. (17.2 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: 3/4 in. FNPT, 1 in. MNPT			
Shipping weight	8 lbs (3.6 kg)	12 lbs (5.4 kg)	17 lbs (7.7 kg)	17 lbs (7.7 kg)
Electrical				
Voltage	100-240V (50/60 Hz)			
Power consumption	32W	35W	60W	60W
Maximum operating pressure	125 psi (8.62 bar)			
Influent water temperature	2 to 40°C (36 to 104°F)			
Features				
Visual "power on"	Y	Y	Y	Y
Chamber material	304 stainless steel	304 stainless steel	304 stainless steel	304 stainless steel
Visual lamp life remaining	Y	Y	Y	Y
Audible lamp life failure	Y	Y	Y	Y
Audible lamp replacement reminder	Y	Y	Y	Y
UV sensor	N	N	N	Y

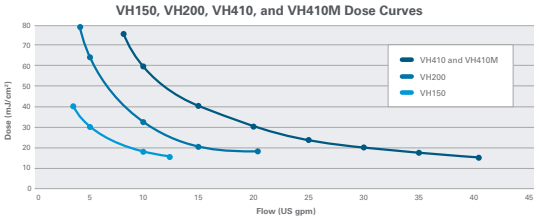
* VH200/2B - BSP

Replacement parts

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

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**

© Copyright 2025, Trojan Technologies Group ULC. VIQUA and Safety-Loc are trademarks of Trojan Technologies Group ULC.
The products described in this publication may be protected by one or more patents in the United States of America, Canada, and/or other countries. [02282025]