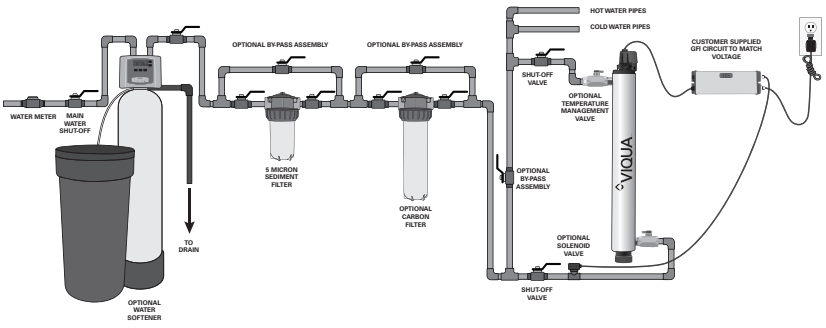
VIQUA | VH150, VH200, VH410 & VH410M

Ultraviolet Water Systems from VIQUA

The VIQUA **HOME family** of compact UV 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 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

- Equipped to inactivate **Cryptosporidium, Giardia**, and *E.Coli*.
- Specially designed and tested UV lamps provide **consistent and reliable** ultraviolet output over the entire life of the lamp (9000 hours) to ensure continuous treatment. 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

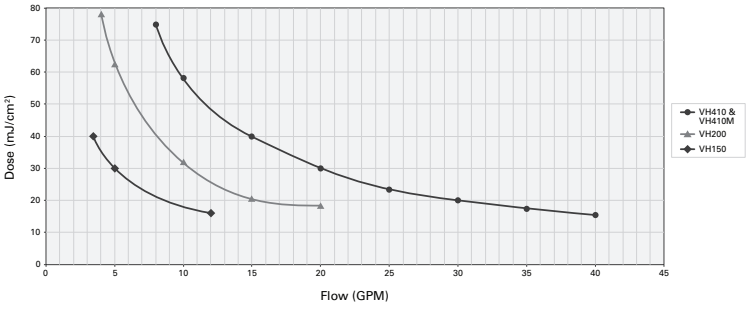
				
MODEL	VH150	VH200	VH410	VH410M
FLOW RATES (@ 95% UVT)				
US Public Health (16 mJ/cm²)	12 GPM (45 lpm) (2.7m³/hr)	16 GPM (60 lpm) (3.6 m³/hr)	34 GPM (130 lpm) (7.8 m³/hr)	34 GPM (130 lpm) (7.8 m³/hr)
VIQUA Standard (30 mJ/cm²)	5 GPM (19 lpm) (1.1 m³/hr)	9 GPM (34 lpm) (2.0 m³/hr)	18 GPM (70 lpm) (4.2 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″ 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)	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	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)
ELECTRICAL				
Voltage	120-240V / 50/60 Hz	120-240V / 50/60 Hz	120-240V / 50/60 Hz	120-240V / 50/60 Hz
Power Consumption	32 W	35 W	60 W	60 W
Maximum Operating Pressure	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)
FEATURES				
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

S150RL-HO – UV lamp for VH150	**QS-001** – quartz sleeve for VH200
S200RL-HO – UV lamp for VH200	**QSO-410** – quartz sleeve for VH410 & VH410M
S410RL-HO – UV lamp for VH410 & 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 & VH410M	**BA-ICE-CL** – electronic ICE controller forVH150, VH200, VH410
QSO-150 – quartz sleeve for VH150	**BA-ICE-CM** – electronic ICE controller VH410M

VH150, VH200, VH410, & VH410M DOSE CURVES



Water Quality Parameters

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

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