

VIQUA HOME Ultraviolet Systems

Chemical-free disinfection - protection at every tap

An ultraviolet (UV) system is installed where water enters your home, so every tap is protected. Water passes through a stainless-steel chamber where ultraviolet light inactivates bacteria and viruses - no chemicals, and no change to the taste of your water. The VIQUA HOME family is a compact range of point-of-entry systems, sized from 5 gpm for a small home or cottage up to 18 gpm for a larger home.

What it does for your home

- **Inactivates bacteria and viruses.** Capable of inactivating common waterborne pathogens, including cryptosporidium, giardia, pathogenic E. coli, campylobacter, legionella, salmonella, shigella, norovirus, enterovirus and hepatitis A virus.*
- **Consistent output.** The specially designed high-output lamps hold reliable ultraviolet output over their entire 9,000-hour life, in a smaller chamber footprint.
- **It tells you how it is doing.** The controller displays the remaining lamp life and sounds an alarm in the event of lamp failure, with an audible replacement reminder.
- **Safe to service.** The Safety-Loc connector ensures power is disconnected before the lamp can be removed, and lamp replacement is simple.
- **Built to last.** The durable 304 stainless-steel chamber prolongs life and eliminates ultraviolet light degradation.
- **Monitored option.** The VH410M adds a UV sensor with a continuous readout of UV intensity, plus an optional solenoid valve that stops the flow if UV performance falls below an optimal level.



VIQUA HOME UV chamber - 304 stainless steel

Models	VH150 - VH410M
Flow at 30 mJ/cm ²	5 - 18 gpm
Lamp life	9,000 hours
Chamber	304 stainless steel
UV sensor	VH410M

From 360WATER: Every recommendation starts with a free water test, because UV only works on clear water - the water entering the chamber has to meet quality limits (page 2), so a softener or iron filter sometimes comes first. **12 months interest-free financing** is arranged in-house, with no third-party finance company.

Warranty: Your UV system is covered for three (3) years from the date of installation - the UV reactor (chamber) is covered. Consumables such as UV lamps, quartz sleeves and ballasts are not covered, and labour and service call charges are not included. The one maintenance item that matters: replace the UV lamp every year, because a lamp can stay lit long after its disinfecting power has faded. Your full warranty letter, with all terms, comes with your installation.

Specifications - VIQUA HOME

Flow rates are at 95% UV transmittance (UVT); the day-to-day sizing figure is the VIQUA standard 30 mJ/cm² dose.

Flow rates (@ 95% UVT)	VH150	VH200	VH410	VH410M
U.S. Public Health - 16 mJ/cm ²	12 gpm (45 lpm)	16 gpm (60 lpm)	34 gpm (130 lpm)	34 gpm (130 lpm)
VIQUA Standard - 30 mJ/cm ²	5 gpm (19 lpm)	9 gpm (34 lpm)	18 gpm (70 lpm)	18 gpm (70 lpm)
NSF/EPA - 40 mJ/cm ²	3.5 gpm	7 gpm (26 lpm)	14 gpm (54 lpm)	14 gpm (54 lpm)

Dimensions and connections		Electrical and features	
Chamber - VH150	13 in x 3.5 in (33 cm x 8.9 cm)	Voltage	100-240V (50/60 Hz)
Chamber - VH200	17.75 in x 3.5 in (45 cm x 8.9 cm)	Power consumption	32W / 35W / 60W (VH150 / VH200 / VH410)
Chamber - VH410 / VH410M	23.5 in x 3.5 in (59.6 x 8.9 cm)	Max. operating pressure	125 psi (8.62 bar)
Controller	6.8-9.25 in x 3.2-3.25 in x 2.5 in, by model	Water temperature	2 to 40°C (36 to 104°F)
Inlet / outlet ports	Combo: 3/4 in FNPT, 1 in MNPT	Chamber material	304 stainless steel
Shipping weight	8 / 12 / 17 lbs (VH150 / VH200 / VH410)	UV sensor	VH410M only (monitored system)

9,000 hours per lamp - replace it every year

A UV lamp can stay lit long after its disinfecting power has faded - annual replacement keeps the protection real.

Water quality comes first

UV can only disinfect water light can pass through, so the water entering the chamber must meet these limits:

Hardness: under 7 grains (120 mg/L) | **Iron:** under 0.3 mg/L | **Tannins:** under 0.1 mg/L

Over a limit? A softener or iron filter goes in ahead of the UV.

Caring for your system

- **Lamp: every year.** 9,000 hours is roughly one year of continuous duty; lamps are model-specific.
- **Quartz sleeve:** clean it at lamp change; replace it when clouded or damaged.
- **Lamps, sleeves and ballasts are consumables,** not covered under warranty - see page 1.
- **Bacteria testing:** Ontario well-water testing (E. coli, total coliform) is free through your public health unit - we will walk you through it.

Not sure which size you need? Book a free water test, or send us a recent result, and we will confirm the right size and whether any pre-treatment is needed first. No obligation.

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Specifications summarized from the VIQUA HOME spec sheet (LIT520329R) supplied by 360WATER. *Efficacy of VIQUA systems has been demonstrated in internal testing; visit VIQUA.com for details. VIQUA and Safety-Loc are trademarks of Trojan Technologies Group ULC. Specifications may change without notice; confirm sizing at time of quote. Warranty shown is 360WATER's own - see page 1.