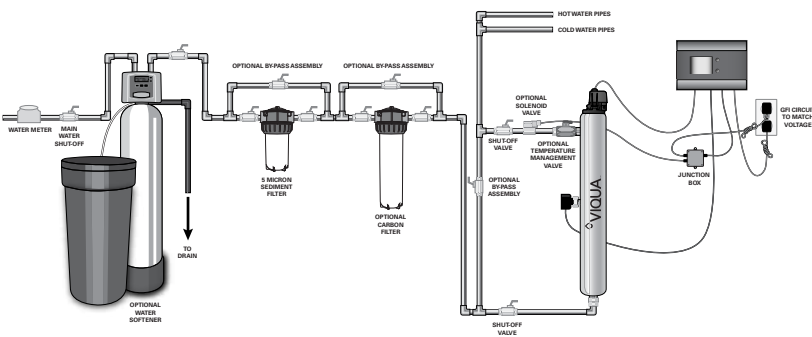


Ultraviolet Water Disinfection Systems from VIQUA

The quality of drinking water can change with time and become contaminated with harmful bacteria. The **PROFESSIONAL** family of compact UV disinfection systems provide a **reliable, economical, and chemical-free** way to safeguard drinking water in any residential application. VIQUA's 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's low UVT systems range from 9 GPM (2 m³/hr) - 15 GPM (3.4 m³/hr), and are the ideal solution for light commercial applications that experience challenging water conditions.



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.
- Monitored disinfection systems specifically designed to effectively disinfect low UVT (typically 50% to 75%) water at up to 15 GPM (3.4 m³/hr).
- Specially designed and tested high output lamps provide consistent and reliable ultraviolet output over the entire life of the lamp (9000 hours) to ensure continuous purification, and offer superior performance in a wide range of water conditions.
- The system is easy to maintain and service with easy lamp and sleeve replacement.
- Both 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 a level.
- **NEW** LCD controller 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, ensuring continued water safety. 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, dealer contact information, as well as quick-reference instructions on board for system troubleshooting.

Specifications



MODEL	E4-50+ (650638-R; 650639-R)	F4-50+ (650640-R; 650641-R)
FLOW RATES (@ 50% UVT)		
US Public Health (16 mJ/cm ²)	16 GPM (60 lpm) (3.6.0 m ³ /hr)	28 GPM (106 lpm) (6.4 m ³ /hr)
VIQUA Standard (30 mJ/cm ²)	9 GPM (34 lpm) (2.0 m ³ /hr)	15 GPM (57 lpm) (3.4 m ³ /hr)
NSF/EPA (40 mJ/cm ²)	7 GPM (26 lpm) (1.6 m ³ /hr)	12 GPM (45 lpm) (2.7 m ³ /hr)
DIMENSIONS		
Chamber	30" x 4" (76 cm x 10 cm)	44.25" x 4" (112.5 cm x 10 cm)
Controller	8.5" x 6" x 3" (22 cm x 15 cm x 7.6 cm)	8.5" x 6" x 3" (22 cm x 15 cm x 7.6 cm)
Inlet/Outlet Port Size	1" MNPT	1" MNPT
Shipping Weight	13 lbs (5.9 kg)	18 lbs (8.2 kg)
ELECTRICAL		
Voltage	100-240V / 50/60 Hz	100-240V / 50/60 Hz
Power Consumption	83 W	130 W
Maximum Operating Pressure	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)
FEATURES		
Visual "Power On"	YES	YES
Chamber Material	304 SS	304 SS
Visual Lamp Life Remaining	YES	YES
Audible Lamp Failure	YES	YES
Audible Lamp Replacement Reminder	YES	YES
UV Sensor	YES	YES
Solenoid Valve	Optional (650717-002)	Optional (650717-002)

Replacement Parts

602810-103 – UV lamp & quartz sleeve kit for E4-50+	650731-R – sensor for E4-50+ & F4-50+
602810-104 – UV lamp & quartz sleeve kit for F4-50+	650733R-001 – controller for E4-50+ & F4-50+
602806 – UV lamp for E4-50+	602733 – quartz sleeve for E4-50+
602807 – UV lamp for F4-50+	602734 – quartz sleeve for F4-50+

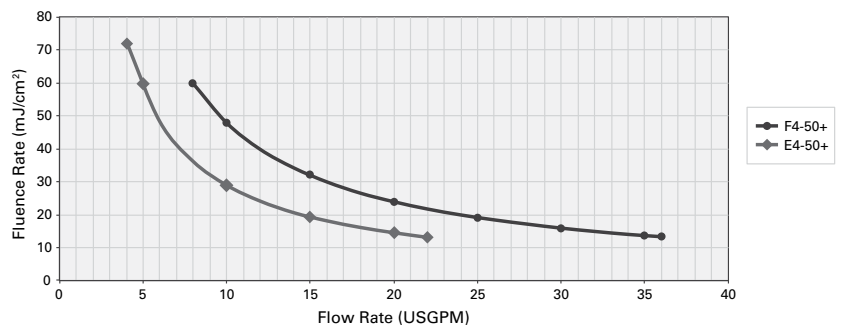
Water Quality Parameters

Hardness: < 7 grains (120 mg/L)

Iron: < 0.3 mg/L

Tannins: < 0.1 mg/L

E4-50+ & F4-50+ DOSE CURVES



*@ 50% UVT and 20°C



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