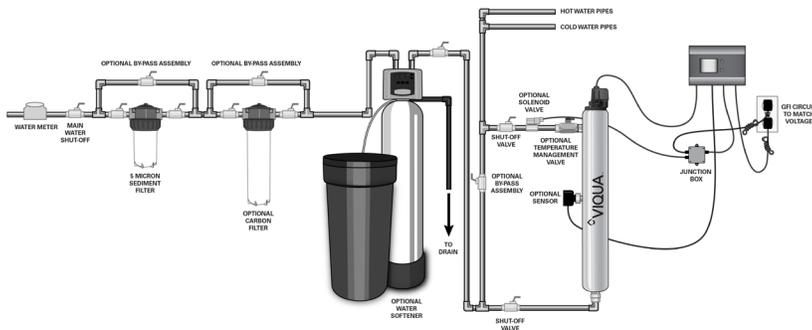# VIQUA™

F4-V, F4-V+, E4-V & E4-V+

Ultraviolet Water Disinfection Systems from VIQUA

The quality of drinking water can change with time and become contaminated with harmful bacteria. The VIQUA **HOME and PROFESSIONAL families** of compact UV disinfection systems provide a **reliable**, **economical,** and **chemical-free** way to safeguard drinking water in 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 NSF 55 Class B validated systems that range from 15.8 GPM (60 lpm) up to 26.1 GPM (99 lpm), suitable for small businesses and public facilities.

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.

NSF
C ® US

System Tested and Certified by NSF International against CSA B483.1 and NSF/ANSI 55 for Disinfection Performance, Class B

Features of VIQUA UV water disinfection systems

- System flow rates are validated to NSF 55 Class B standards.

- Equipped to inactivate chlorine-resistant parasites such as Cryptosporidium and Giardia, harmful bacteria like *E.Coli*, and viruses not visible to the naked eye.

- High UV output lamp technology allows for a small footprint while providing the same UV disinfection performance as a longer chamber. The compact chamber build improves installation flexibility in confined spaces.

- The system is easy to maintain and service with easy lamp and quartz sleeve replacement.

- The special lamp plug ensures that no one can power the UV lamp if it's not in the UV chamber.

- **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. 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, as well as quick reference instructions on board for system troubleshooting.

- Monitored systems have a specialized 254nm UV intensity sensor which notifies homeowner of changes in UV performance. The UV intensity and system status can be easily tracked as it is displayed on the home screen of the LCD controller.

- 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 a level.

Specifications

MODEL	E4-V / E4-V+	F4-V / F4-V+
FLOW RATES (@ 70% UVT)		
NSF Class B Certified (16 mJ/cm^2)	15.8 GPM (60 lpm) (3.5 m^3/hr)	26.1 GPM (99 lpm) (6.0 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 8" (22 cm x 15 cm x 7.6 cm)	8.5" x 6" x 8" (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 Life Failure	YES	YES
Audible Lamp Replacement Reminder	YES	YES
Solenoid Valve	Optional (650717-002)	Optional (650717-002)
UV Sensor	E4-V+ Only	F4-V+ Only
Sensor Reading Output (4-20mA)	Optional on E4-V+ with 270268-R	Optional on F4-V+ with 270268-R

Replacement Parts

602806 – UV lamp for E4-V & E4-V+	**602734** – quartz sleeve for F4-V & F4-V+
602807 – UV lamp for F4-V & F4-V+	**602733** – quartz sleeve for E4-V & E4-V+
650733R-001 – electronic controller for E4-V, E4-V+, F4-V & F4-V+	
650703 – sensor for E4-V+ & F4-V+	

Water Quality Parameters

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