

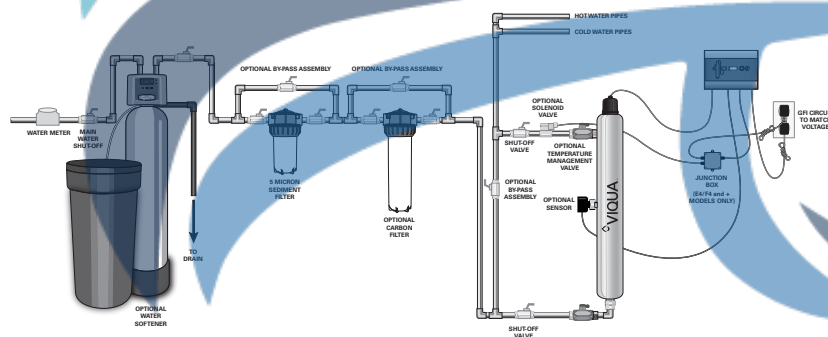


# VP600, VP950, E4, E4+, F4, & F4+

## 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 or light commercial 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 offers systems that range in flow rates from 22 GPM (5 m<sup>3</sup>/hr) up to 46 GPM (10 m<sup>3</sup>/hr) for small businesses and public facilities



### 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.
- 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 quartz sleeve replacement.
- Built with a durable stainless steel chamber to prolong life and eliminate ultraviolet light degradation.
- **NEW** LCD controller features a large backlit display for easy reading, simultaneously displaying lamp life remaining, UV Intensity Status (E4/E4+, & F4/F4+ only), 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 on board quick-reference instructions for system troubleshooting.
- The special lamp plug ensures that no one can power the UV lamp if it's not in the UV chamber.
- User friendly sensor ensures safe UV levels are maintained.
- Monitored systems have a specialized 254nm UV intensity sensor which notifies homeowner of changes in UV performance.
- 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

|  |   |   |   |   |
|--|---|---|---|---|
|  |  |  |  |  |
| <b>MODEL</b>   |   |   |   |   |
| N. America   | VP600; VP600M;  | VP950; VP950M;  | E4; E4+ (650682; 650683)  | F4; F4+ (650686; 650687)  |
| EU CEE 7/7   | VP600/2; VP600M/2;  | VP950/2; VP950M/2;  | 650718; 650719  | 650720; 650721  |
| AUS/NZ 3112  | VP600/2A; VP600M/2A;  | VP950/2A; VP950M/2A;  | --  | --  |
| UK BS 1363   | VP600/2B; VP600M/2B   | VP950/2B; VP950/2B  | --  | --  |
| <b>FLOW RATES</b> (@ 95% UVT) 20°C; End of Lamp Life |   |   |   |   |
| US Public Health (16 mJ/cm <sup>2</sup> )            | 40 GPM (150 lpm) (9.0 m <sup>3</sup> /hr)   | 60 GPM (230 lpm) (13.7 m <sup>3</sup> /hr)  | 42 GPM (160 lpm) (9.6 m <sup>3</sup> /hr)   | 45 GPM (170 lpm) (10.2 m <sup>3</sup> /hr)  |
| VIQUA Standard (30 mJ/cm <sup>2</sup> )              | 24 GPM (91 lpm) (5.5 m <sup>3</sup> /hr)  | 34 GPM (130 lpm) (7.8 m <sup>3</sup> /hr)   | 22 GPM (83 lpm) (5 m <sup>3</sup> /hr)  | 36 GPM (136 lpm) (8.2 m <sup>3</sup> /hr)   |
| NSF/EPA (40 mJ/cm <sup>2</sup> )                     | 18 GPM (68 lpm) (4.1 m <sup>3</sup> /hr)  | 26 GPM (97 lpm) (5.8 m <sup>3</sup> /hr)  | 16 GPM (60 lpm) (3.6 m <sup>3</sup> /hr)  | 27 GPM (102 lpm) (6.1 m <sup>3</sup> /hr)   |
| <b>DIMENSIONS</b>                                    |   |   |   |   |
| Chamber  | 30.3" x 3.5" (78 cm x 8.9 cm)   | 45" x 3.5" (114 cm x 8.9 cm)  | 30" x 4" (76 cm x 10 cm)  | 44.25" x 4" (112.5 cm x 10 cm)  |
| Controller   | 9.3" x 3.25" x 2.5"<br>(24.1 cm x 8.1 cm x 6.4 cm)                                | 9.3" x 3.25" x 2.5"<br>(24.1 cm x 8.1 cm x 6.4 cm)                                | 8.5" x 6" x 3"<br>(22 cm x 15 cm x 7.6 cm)  | 8.5" x 6" x 3"<br>(22 cm x 15 cm x 7.6 cm)  |
| Inlet/Outlet Port Size                               | 1" MNPT*  | 1 1/2" MNPT*  | 1" MNPT   | 1" MNPT   |
| Shipping Weight                                      | 14 lbs (6.4 kg)   | 19 lbs (8.6 kg)   | 13 lbs (5.9 kg)   | 18 lbs (8.2 kg)   |
| <b>ELECTRICAL</b>                                    |   |   |   |   |
| Voltage  | 100-240V / 50/60 Hz   | 100-240V / 50/60 Hz   | 100-240V / 50/60 Hz   | 100-240V / 50/60 Hz   |
| Power Consumption                                    | 78 W  | 110 W   | 83 W  | 130 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)   |
| <b>FEATURES</b>                                      |   |   |   |   |
| 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 Failure                                 | YES   | YES   | YES   | YES   |
| Audible Lamp Replacement Reminder                    | YES   | YES   | YES   | YES <sup>®</sup>  |
| Solenoid Valve                                       | Optional - SOL-1.0 or SOL-1.0/2   | Optional - SOL-1.0 or SOL-1.0/2   | Optional (650717-002)   | Optional (650717-002)   |
| UV Sensor  | VP600M  | VP950M  | E4+   | E4+   |

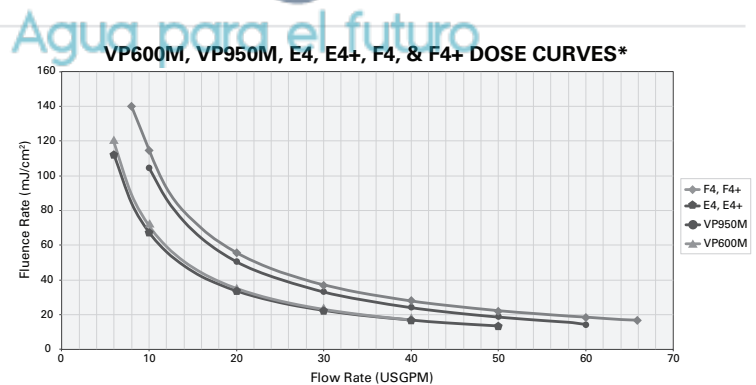
\*2B - BSP

## Replacement Parts

|   |   |
|---|---|
| <b>S600RL-HO</b> – UV lamp for VP600 & VP600M     | <b>602734</b> – quartz sleeve for F4 & F4+        |
| <b>S950RL-HO</b> – UV lamp for VP950 & VP950M     | <b>BA-ICE-C</b> – controller for VP600 & VP950    |
| <b>602806</b> – UV lamp for E4 & E4+              | <b>BA-ICE-CM</b> – controller for VP600M & VP950M |
| <b>602807</b> – UV lamp for F4 & F4+              | <b>650733R-001</b> – controller E4, E4+, F4 & F4+ |
| <b>QSO-600</b> – quartz sleeve for VP600 & VP600M | <b>650703</b> – sensor for E4+ & F4+              |
| <b>QSO-950</b> – quartz sleeve for VP950 & VP950M | <b>254NM-C1</b> – sensor for VP600M & VP950M      |
| <b>602733</b> – quartz sleeve for E4 & E4+        |   |

## Water Quality Parameters

|  |                           |                              |
|--|---------------------------|------------------------------|
| <b>Hardness</b><br>< 7 grains (120 mg/L) | <b>Iron</b><br>< 0.3 mg/L | <b>Tannins</b><br>< 0.1 mg/L |
|--|---------------------------|------------------------------|



\*@ 95% UVT and 20°C



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