



Integrated UV System

The Integrated UV System by EPS is a plug & play disinfection solution. This system is designed to provide high flow and low pressure drop, with a maximum flow rate 2.5 m³/hr*.

The system comprises the following treatment stages:



› STAGE 1: FINE SEDIMENT REMOVAL

Stage 1 is a 10 inch 5 micron string wound cartridge. The 5 micron cartridge is in place to remove fine sediment and protect the UV system from turbidity, which can affect disinfection performance of the UV system. Cartridges are disposable and should be changed as water quality dictates.

› STAGE 2: ULTRA VIOLET DISINFECTION UNIT

Stage 2 is a Viqua UV disinfection system for the purposes of inactivation of bacteria and viruses in the incoming water supply. This UV system has an integral countdown timer to indicate when the UV lamp needs to be replaced. UV lamps degrade over time and must be replaced every 12 months.

› BENEFITS TO UV DISINFECTION

- 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 Sterilume™-EX lamps provide consistent and reliable ultraviolet output over the entire life of the lamp (9000 hours) to ensure continuous purification.
- 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.
- 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.
- The controller has a sealed case to prevent damage from accidental water intrusion and is fully CSA and CE compliant.
- 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

Description	Height (cm)	Width (cm)	Depth (cm)	Max Pressure	*Max Flow Rate @ 16mj/cm ²	*Max Flow rate @ 30mj/cm ²	Inlet / Outlet
5gpm system	60	48	18	6 Bar	2.7m ³ /hr	1.1m ³ /hr	¾"/1" BSP
8gpm system	60	48	18	6 Bar	3.6m ³ /hr	2.0m ³ /hr	1" BSP
15gpm system	75	55	18	6 Bar	7.8m ³ /hr	4.2m ³ /hr	1" BSP

COMPONENTS

System	Model	5µ Filter Stock Code	UV Lamp Stock Code	UV Sleeve Stock Code	Ballast/Timer Stock Code
1092848	5gpm system	1009839	1092699	1092700	1017418
1079723	8gpm system	1009839	1010188	1010211	1017418
1079731	15gpm System	1098240	1016308	1016310	1017418