



How does UV work?

UV water disinfection is a natural process which does not add any chemicals into your water, nor alter the water chemistry. Ultraviolet light energy inactivates harmful microorganisms such as bacteria and viruses by disrupting the DNA, effectively preventing them from multiplying and causing illness. The pathogens are destroyed in the time water passes through the disinfection chamber. E-coli, Cryptosporidium, and Giardia lamblia (Beaver Fever) are examples of waterborne microorganisms that cause numerous gastrointestinal illnesses which are easily controlled with UV disinfection.

Why is Greenway[®] UV effective?

Greenway[®] UV systems are designed with compact, high-grade stainless steel chambers which house our efficient, colour-coded UV lamps. Separate electronic controllers (ballasts), power the UV lamps and effectively control the system diagnostics. The single ended lamp design promotes user-friendly, easy lamp changes and simple periodic quartz sleeve cleaning. The *Greenway*[®] **VuCap** is unique to Greenway Water Technologies. Now our customers can clearly see when the UV lamp is on.

Features:

- 99.99% destruction of bacteria (such as Ecoli), viruses and protozoan cysts (Cryptosporidium and Giardi a lamblia)
- No chemicals added to water and no water chemistry changes
- Lamp failure alarm and lamp replacement reminder with 7 segment LED countdown display
- Low maintenance and easy servicing
- Hard glass, long life UV lamp for consistent maximum UV output over entire lamp life
- Compact *AxialFlow* design for reduced footprint and improved disinfection
- Range of sizes to meet flow rate requirements
- Electronic controller with universal AC input, constant lamp current and low power consumption
- Combination 3/4" - 1.0" NPT inlet/outlet ports for easy installation
- Third party bioassay tested
- *Greenway*[®] **VuCap** on every system

Options



	Model Number	UV_OPT2D	UV_OPT3D	UV_OPT5D	UV_OPT6D
Flow rate LPM	16mj/cm ²	111LPM	111LPM	174LPM	174LPM
	30mj/cm ²	58LPM	58LPM	92LPM	92LPM
	40mj/cm ²	43LPM	43LPM	68LPM	68LPM
Dimensions (W X D X H)		0.90m x 0.22m x 0.50m	1.05m x 0.22m x 0.50m	1.10m x 0.22m x 0.78m	1.10m x 0.22m x 0.78m
I/O Port Size		1" Inch (25mm)	1" Inch (25mm)	1" Inch (25mm)	1" Inch (25mm)
System maximum operating pressure		100 PSI (690 KPA)	100 PSI (690 KPA)	90 PSI (620 KPA)	90 PSI (620 KPA)
Electrical	Voltage	230v /240v 50Hz	230v /240v 50Hz	230v /240v 50Hz	230v /240v 50Hz
	Ballast	GW_BA40S	GW_BA40S	GW_BA40S	GW_BA40S
	Lamp	GW_GUVL10S	GW_GUVL10S	GW_GUVL15S	GW_GUVL15S
	1st Filter	10BPF20	10BPF20	20BPF20	20BPF20
	2nd Filter	10BPX01	10BRFGAC	20BPX01	20BRFGAC
	3rd Filter	N/A	10BPX01	N/A	20BPX01
Chamber Material		304ss	304ss	304ss	304ss
Water temperature range		(4.4-37.8°C)	(4.4-37.8°C)	(4.4-37.8°C)	(4.4-37.8°C)

These units achieve NSF/ANSI class B if the optional flow restrictor is installed which reduces the flow rates from those shown above to increase the UV dosage

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