

Greenway[®]
Water Technologies

Axial Flow **Deluxe** Output Ultraviolet Disinfection Systems

Pre-assembled for UV OPT 1,2,3,4,5 & 6



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 Giardia 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 *Axial Flow* 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
- New *Greenway*[®] **VuCap** on every system

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Engineered for Health - Designed for Life

Canada: 400 Southgate Dr Guelph, ON, N1G 4P5
Phone: 1-888-5-WATER-0 Fax: 519-837-8913

USA: 1270 Flagship Dr. Perrysburg, OH, 43551
Phone: 1-419-874-6770 Fax: 419-874-6769

www.greenwaywt.com

Specifications:

Model Number:		GAUV-6S	N	GAUV-10S	GAUV-15S
Flow Rate GPM US (LPM) ⁽¹⁾	16 mJ/cm ² (2)	14 (53)	O	29.5 (111)	46 ⁽³⁾ (174)
	30 mJ/cm ² (2)	7.5 (28)	T	15.5 (58)	24.5 (92)
	40 mJ/cm ² (2)	5.5 (20)		11.5 (43)	18 (68)
Dimensions	Ballast		A	8" x 3" x 2"	
	Chamber Diameter	3.5"	V	3.5"	3.5"
	Chamber Length	17.25"	A	27.88"	39.5"
I / O Port Size			I	3/4" FNPT - 1.0" MNPT	
System Maximum Operating Pressure			L	125psi	
Pressure Drop at 30mJ/cm ² Rated Flow (psi)		0.2	A	0.5	0.8
Electrical	Voltage		B	100 - 240, 50/60Hz	
	Power Consumption (W)	21	L	35	46
	Lamp Watts (W)	17	E	30	40
Chamber Material				304SS	

⁽¹⁾ Flow rate based on third party bioassay test results at 97% UVT. Adjusted for expected UV dose at the end of 1 year of continuous operation EOLL (end of lamp life)

⁽²⁾ 1mJ/cm² = 1 mW.sec/cm² = 1000µW.sec/cm²

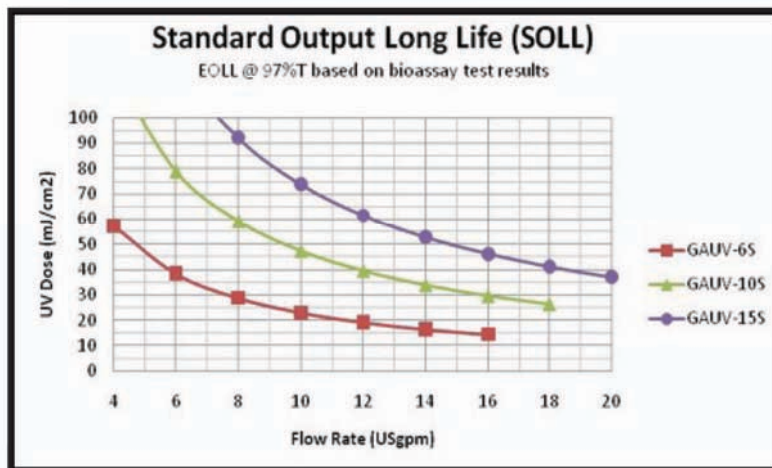
⁽³⁾ System not recommended for flow rates >40gpm due to pressure drop >1.5psi

WARRANTY:

Ballast: - 2 years (double the standard electrical warranty).

Lamp: - 1 year *Pro Rata*.

Chamber: - 7 years.



Local Supplier:

E-coli destroyed at 6.6 mJ/cm² (99.9%)
Crypto/Giardia inactivated at 10mJ/cm² (99.9%)

Proud Members of:



Greenway Water Technologies is a proudly Canadian owned company

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