



## *Advanced UV Water System*

**RGF's Germicidal UV Water System for microbial control**



- Continuously kills microbes in fluids during processing
- All stainless steel construction
- All plumbing sanitary orbital welds
- Easy maintenance, cleaning and CIP functionality
- Small footprint
- Ideal for lower flow applications
- All electronics and accessories in NEMA 4X enclosures
- Ideal treatment for fluids with high opacity

- A commercial grade germicidal UV water purification system manufactured in the USA of stainless steel with sanitary tri-clamp connections.

- RGF's proprietary PPC coating and quartz sleeve system offers both safety and low maintenance. Utilizing the advanced non-polar charge of the PPC, contaminant's contained in the water are no longer attracted to the lamp jacket as commonly occurs in typical quartz only jacketed systems. This non-polar feature significantly reduces the common problem of calcium deposits forming on the lamp jacket water interface, which results in significant reductions in unit performance. By preventing the deposition or fouling, performance is maintained over a longer period. The PPC coating has the added benefit of also acting as a secondary containment layer to the fluid stream, significantly eliminating the risk of glass or toxic exposure if the unit is inadvertently damaged during operation. Each unit utilizes high output (HO) germicidal UV long life lamps.

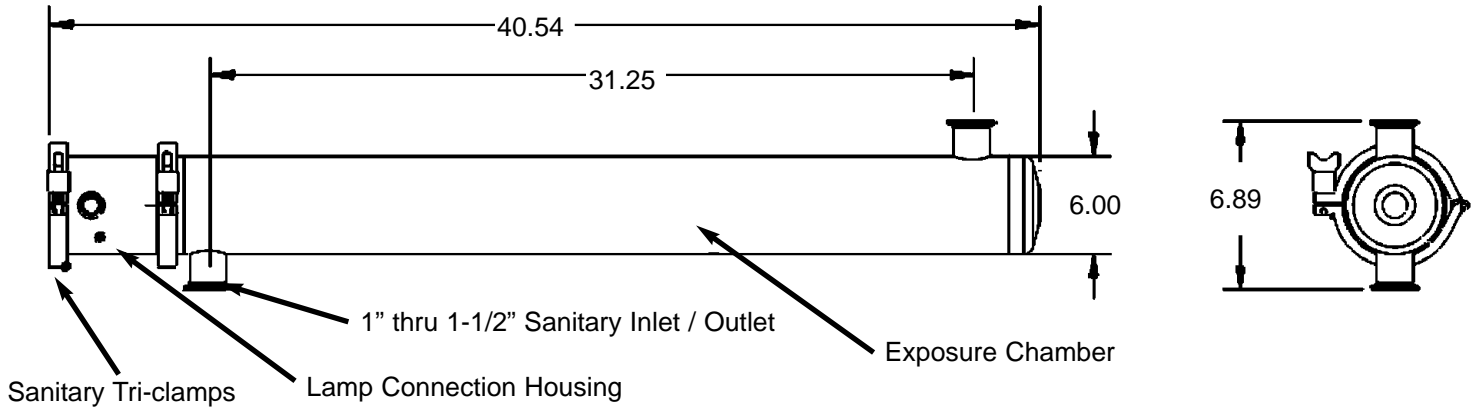
- Small size, easy installation, low maintenance (annual cell replacement only).

- 1 year warranty

The RGF Photohydroionization Water System is a purification process designed to treat brine injection fluid and other liquids with germicidal UltraViolet (UV) light. This is not a filter. It will not remove particulate, heavy metals or hardness from the water. Other RGF filters should be used in conjunction with this system for these purposes.

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# Germicidal UV Water System



## SPECIFICATIONS: Model FLUV-60

Fluid Flow	5-60 GPM
Emitter(s)	14 - Low Pressure - 75watts
UV Range	185-400 nM
Overall dimensions	41" L x 9" overall diameter
Weight	90 lbs (dry)
Electrical requirements	115/230 VAC, 60 HZ, 1 phase, 8A
Plumbing Connections	1-1/2 Sanitary

\*Higher flow rates available by installing multiple units in parallel

## UV LIGHT WATER TREATMENT

UV Dosage for 99.9% reduction bacteria and Viruses

Dysentery	(4,000)
E-coli	(6,600)
Infectious Jaundice	(6,000)
Typhoid Fever	(6,000)
Hepatitis Virus	(8,000)
Influenza Virus	(6,600)
Tuberculosis	(10,000)
Bacillus Anthracis	(8,700)
Polio Virus	(21,000)

Microwatts - secs/CM<sup>2</sup> UV - Energy in Microwatts - Seconds per Square Centimeter

### RGF Environmental Group, Inc.

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