

RGF[®] FLUV-200

ENVIRONMENTAL GROUP, INC.

High Volume Ultraviolet Fluid Sterilizer

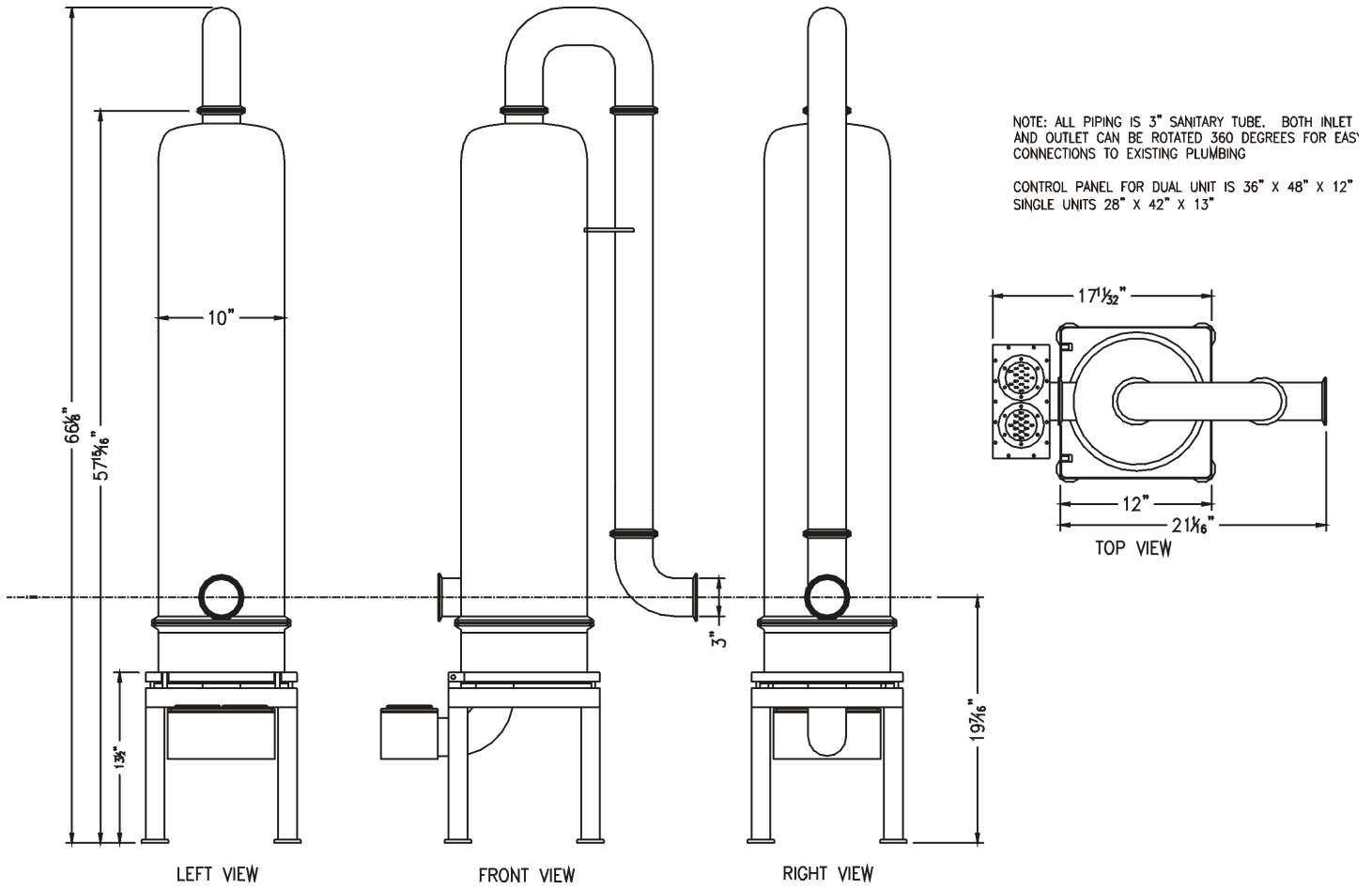


- Continuously kills microbes in fluids during processing
- High volume flow rate ideal for brine chill water
- CIP compatible
- Visual inspection of all internals accomplished in minutes
- Multiple unit configurations available for higher flow streams
- Small unit foot print with remote electronic enclosure to optimize production space
- Omni directional inlet and outlet connections
- Stainless steel construction using industry standard Tri-Clover sanitary fittings
- Standard - lamp status display panel
- Standard - leak detector circuitry
- Standard - pump alarm control relay
- Standard - NEMA 4X electrical enclosure

RGF has developed a specialized fluid treatment system for the food processing industry. The unique design of this system incorporates precision machining to optimize fluid flow characteristics as well as ultraviolet light transmittance into the fluid space. The vertical reactor design allows for continuous operation at pressures as high as 50 PSI while providing the smallest possible footprint. A single pass through this unit results in a UV exposure in excess of 40 mJ/cm². The entire outer shell assembly of the unit can be removed in minutes by simply removing the Tri-Clover style clamps and lifting the shell off the unit base. With the outer shell removed, the interior of the unit is accessible for visual inspection. This simple design facilitates routine inspections to ensure proper CIP procedures are being followed in critical operating environments.

This system is easily incorporated into existing chiller loops with the unit inlet and outlet connections being located on the outer tube assembly. This allows the connections to be rotated 360 degrees to accommodate existing plant system components. This unique feature also makes it possible to easily accommodate multiple units in parallel configurations for higher flow rate applications.

All systems come standard with: stainless steel construction, optical display panels for lamp status, an electronic leak detector with alarm contact and visual indicator light, FDA approved high impact polymer which encase the emitters to prevent breakage and fluid contamination, NEMA 4X enclosures and factory installed flexible interconnects.



SPECIFICATIONS: Model FLUV-200

Fluid Flow	200 GPM (per unit)
Emitter(s)	31 - Low Pressure
UV Range	185-400 nM
Overall dimensions	58" L x 10" overall diameter
Weight	375 lbs (dry)
Electrical requirements	115/230 VAC, 60 HZ, 1 phase 30A
Plumbing Connections	3" Sanitary (Tri clover style)

*Higher flow rates available by installing multiple units in parallel

RGF Environmental Group, Inc.

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