

Triangularwave Technologies, Inc. UV3000-PVC Ultra Violet Purifiers



Ultra violet disinfection & purification technology, provides safe water, free of disease-causing pathogens. As water passes through the UV chamber, UV light will attack and render harmless any bacterial, viral or spore contamination present in the treated water. "High intensity UV light destroys these contaminants with a 99.9% or greater kill rate" The output water is thus disinfected and offers exceptionally high quality for consumption and use.

Residential • Commercial and Industrial Applications.

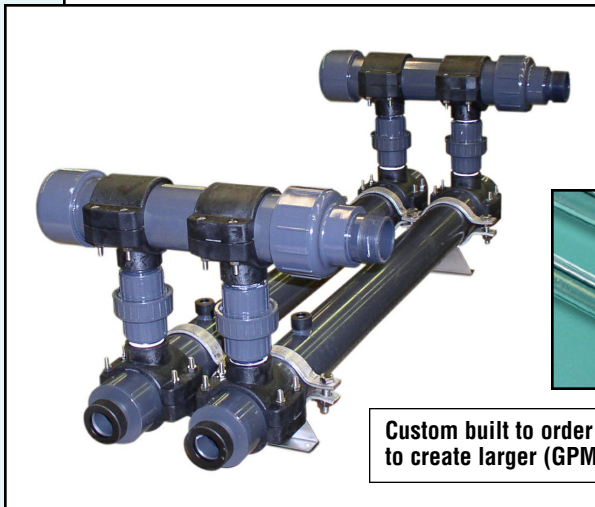
Point-of-Entry and/or Point-of-Use Disinfection & Purification System

This PVC UV sterilizer is designed for the disinfection of highly corrosive water sources, such as sea water or produced water used in borehole injection. This makes it a perfect system to be used in fish farms and oil producing plants. Harmful microorganisms such as viruses, bacteria and protozoa are killed with a powerful UV disinfection dose that will inactivate the pathogens at a kill rate of >99.9%

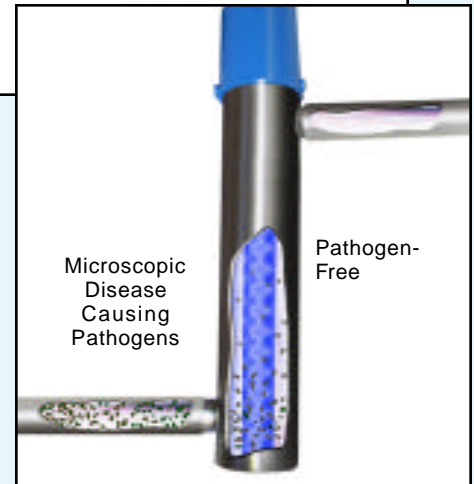
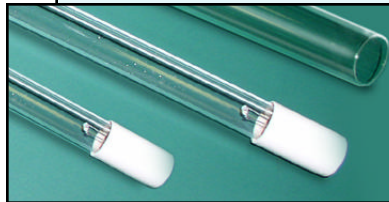
(Giardia, E.coli, Cryptosporidium, Vibrio cholerae, Legionella, Salmonella, Shigella, Streptococcus and many others) at a flow rate of 30 GPM, producing a UV dose of 49 mJ/cm², while SRB (Sulphate Reducing Bacteria) will be killed at a flow rate of 8 GPM, providing a UV dose of more than 130 mJ/cm².



TWT-UV3000-PVC



Custom built to order only: Manifold multiple UV units to create larger (GPM) flow rates



Rated Flow:	113 litres per minute (30 GPM) 6780 litres/hour, 162,720 litres/day (1,800 gallons/hour, 43,200 gallons/day)
Initial UV Dose at Rated Flow:	49 mJ/cm ² (49,000 uwsec/cm ²) @ 95% T
Electrical:	100-130V / 50-60 Hz or 220-240V/ 50-60 Hz
Approx. Power Consumption:	85 VA @ 120 V, 89 VA @ 230 V
Maximum Operating Temp:	37° C (98.6oF)
Maximum Operating Pressure:	95 psi – 6.55 bar
Plumbing:	1.5" FNPT In/Out
Chamber Material:	Polyvinylchloride (PVC) Schedule 80
Additional Features (Optional):	Electronic Deposit Control, UV-Monitor, Solenoid Valve, Thermal Relief Valve
TWT® Deposit Control (Optional):	Patented hard water conditioning & treatment technology

Alarm System The UV-3000 System comes equipped with an alarm system which sounds an audible alarm if the UV lamp is not functioning properly.

This water purification unit offers very efficient water treatment at a low cost per unit volume. The system is designed for ease of installation and is fully tested prior to shipment.

Test proves (TWT®) Deposit Control System reduces the fouling effects caused by "hard water" on the quartz sleeve and UV lamp inside the disinfection/purification unit while maintaining the residual effects downstream chemically free.