

Triangular Wave Technologies Patented Ultra-Violet Disinfection Systems

This point of use sterilizer is designed for many different applications. It can be combined with an under-counter filtration system or a reverse osmosis system. A popular application for the UV-4 is as part of a water cooler at point-of-use. The UV-4 is ideally designed for use in cottages, on board ships or in RV's. In areas where standard electricity is not available, the UV-4 can be ordered as a 12V DC unit. The ultra-violet sterilizer destroys bacteria and viruses to a 99.9% kill rate.



TWT-UV-4

Rated Flow: 3.75 Liters per minute / 1 Gallon per minute
 U.V. Dose @ Rated Flow: 29,500 mw / sec / cm²
 Maximum Flow: 5.8 Liters per minute
 U.V. Dose @ Maximum Flow: 18,500 mw/sec / cm²
 Electrical Supply: 120V / 60Hz / 0.6Amp / 240V / 50Hz / 0.6Amp
 Power Consumption: 12 Watt
 Maximum Operating Temperature: 37C
 Maximum Operating Pressure: 100 psi - 7 Bar
 Plumbing: 1/4" N.P.T. In-Out
 Size: 12"x2.5" (30cm x 6.5cm)
 Weight: 2.2lbs (1kg)
 Body: 316 Stainless Steel

The TWT-UV-250 sterilizer is ideally sized to provide safe disease and pathogen-free water at point-of-entry to any average size household. The effective kill rate of microorganisms, including bacteria and viruses is 99.9%. No chemicals are added and the PH balance of the water is unchanged. TWT sterilizers operate continuously, automatically and are inexpensive to run. Source water does not require heating or cooling prior to sterilization. TWT sterilizers are easy to install and only require lamp replacement every 10 to 12 months. This is a simple ten minute procedure.



TWT-UV-250

Rated Flow: 16 Liters per minute / 4 Gallons per minute
 U.V. Dose @ Rated Flow: 31,500 mw / sec / cm²
 Maximum Flow: 22 liters per minute / 5 Gallons per minute
 U.V. Dose @ Maximum Flow: 22,500 mw / sec / cm²
 Power Consumption: 120V / 60Hz / 72 Watt
 240V/50Hz / 144Watt
 Electrical Supply: .6 Amp
 Maximum Operating Temperature: 37C (98.6F)
 Maximum Operating Pressure: 100psi - 7 Bar
 Plumbing: N.P.T. In-Out 1/2
 Size: 20"x 5" x 3" (51cm x 13cm X 8cm)
 Weight: 5 lbs (2.5 kg)
 Body: 316 Stainless Steel

The TWT-UV-700 sterilizer is best suited for large households. Both the UV-700 and UV-1200 are efficient for small commercial and restaurant applications too. As water passes through the ultra-violet chamber, the powerful UV rays kill disease causing microorganisms, including bacteria and viruses with a 99.9% kill rate. No chemicals are added and the PH of the water remains unchanged. TWT sterilizers operate continuously and automatically with no need to heat or cool the source water. They are inexpensive to operate, simple to install and practically maintenance free. Lamp replacement is necessary every 10 to 12 months and is a simple ten minute procedure.



TWT-UV-700

Rated Flow: 30 Liters per minute / 8 Gallons per minute
 U.V. Dose @ Maximum Flow:
 21,400 mw / sec / cm²
 Electrical Supply: 120V / 60Hz / .3 Amp / 240V / 50Hz / .2 Amp
 Power Consumption: 36 Watt
 Maximum Operating Temperature: 37C (98.6F)
 Maximum Operating Pressure: 125 psi - 8 Bar
 Plumbing: 3/4" N.P.T. In-Out
 Size: 38" x 6" x 3" (97 cm x 15cm x 7.5cm)
 Weight: 8 lbs (3.5 kg)
 Body: 316 Stainless Steel

TWT-UV-1200

Rated Flow: 45 Liters per minute / 12 Gallons per minute
 U.V. Dose @ Rated Flow: 33,500 mw/sec/cm²
 Maximum Flow: 65 Liters per minute / 17 Gallons per minute
 U.V. Dose @ Maximum Flow: 28,200 mw / sec / cm²
 Electrical Supply: 120V/ 60Hz / .3Amp / 240V / 50Hz / .2Amp
 Power Consumption: 36 Watt
 Maximum Operating Temperature: 37 C (98.6F)
 Maximum Operating Pressure: 125 psi - 8 Bar
 Plumbing: 1" N.P.T. In-Out
 Size: 38"x 6" 3" (97cm x 15cm x 7.5cm)
 Weight: 8lbs (3.5kg)
 Body: 316 Stainless Steel

