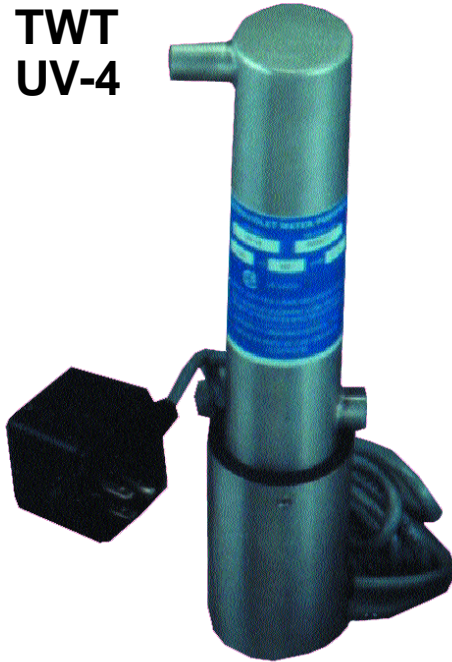


TRIANGULAR WAVE TECHNOLOGIES, INC.

FLUID MANAGEMENT SOLUTIONS

Ultra Violet Purification Systems

TWT UV-4



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.

SPECIFICATIONSTWT-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.

SPECIFICATIONSTWT-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

Electrical Supply: 120V/60Hz/72 Watt

240V/50Hz/144Watt

Power Consumption: .6 Amp

Maximum Operating Temperature: 37C (98.6F)

Maximum Operating Pressure: 100psi - 7 Bar

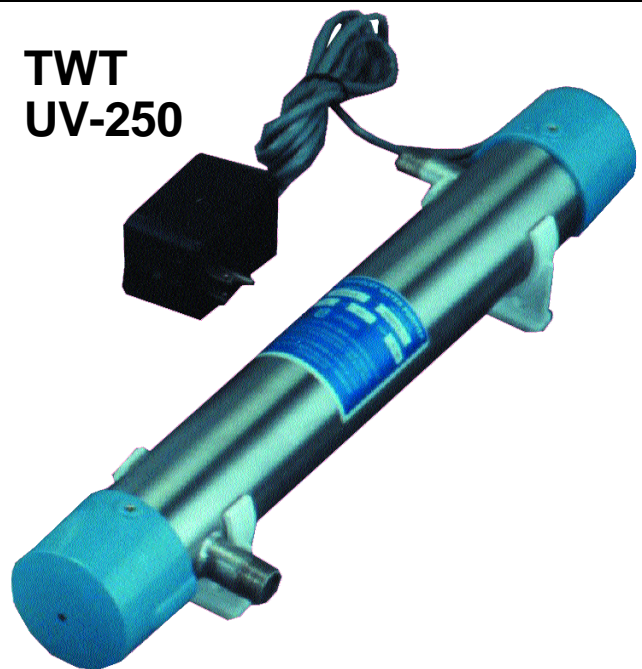
Plumbing: 3/4" N.P.T. In-Out

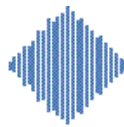
Size: 38"x 6"x 3" (97cm x 15cm x 7.5cm)

Weight: 8lbs (3.5 kg)

Body: 316 Stainless Steel

TWT UV-250





**TRIANGULAR WAVE
TECHNOLOGIES, INC.**

FLUID MANAGEMENT SOLUTIONS

Ultra Violet Purification Systems

TWT-UV-700 / TWT-UV-1200



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.

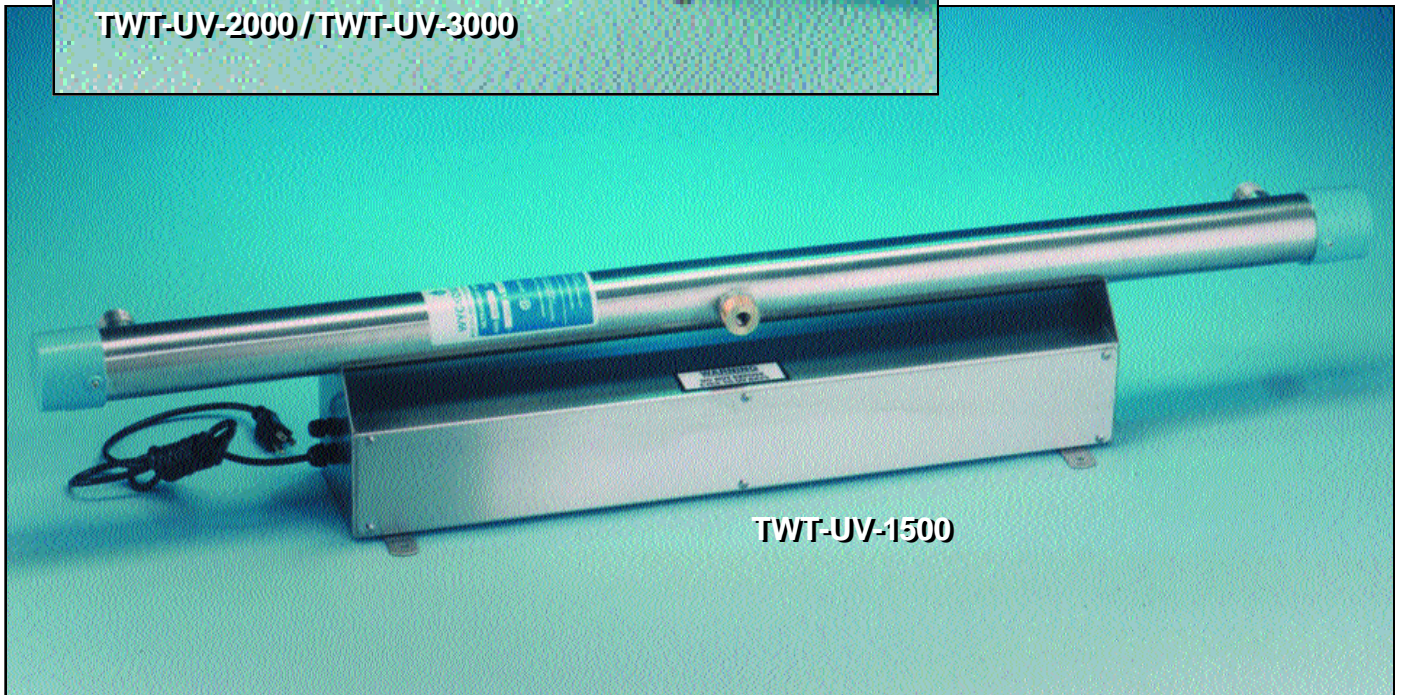
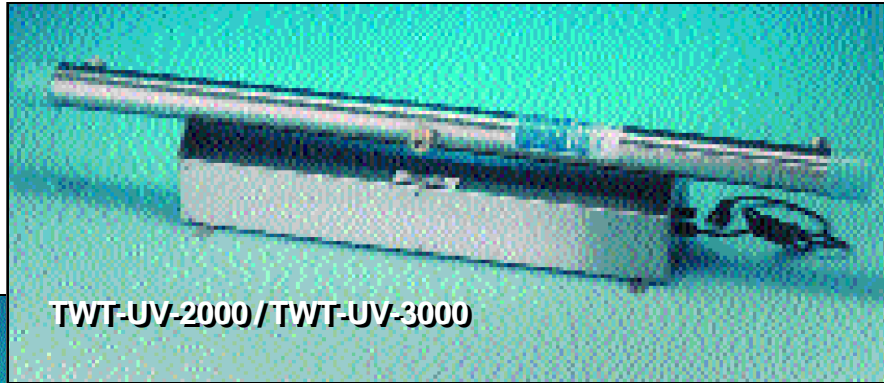
SPECIFICATIONSTWT-UV-700

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"x 3"(97cm x 15cm x 7.5cm)
Weight: 8lbs (3.5kg)
Body: 316 Stainless Steel

Ultra Violet Purification Systems



These three units are all similar in appearance, but have different capacities. The need for different flow rates will depend on the application and the nature of the installation. These three units are all similar in appearance, but have different capacities. The need for different flow rates will depend on the application and the nature of the installation. These TWT sterilizers provide clean, safe water to large operations for manufacturing processes or human consumption.

All of our units are expertly constructed of # 316 stainless steel to high quality control standards. The units operate continuously, automatically and inexpensively. Installation is easy and there is no need to heat or cool the water prior to sterilization. The germicidal lamp is effective for approximately 8,000 hours which means extremely cost effective water sterilization over the long term.

Specifications

TWT-UV-1500

Rated Flow: 68 Liters per minute
18 Gallons per minute
U.V. Dose @ Rated Flow: 34,000 mw/sec/cm2
Maximum Flow: 80 Liters per minute
21 Gallons per minute
U.V. Dose @ Maximum Flow: 23,000 mw/sec/cm2
Electrical Supply: 120V/60Hz/2Amp
240V/50Hz/2Amp

Power Consumption: 90 Watt
Maximum Operating Temperature: 37C (98.6F)
Maximum Operating Pressure: 125 psi - 8.6 Bar
Plumbing: 1"N.P.T. In-Out
Size: 50"x 6"x 8"(127cm x 15cm x 20cm)
Weight: 21 lbs (9.5 kg)
Body: 316 Stainless Steel

TWT-UV-2000

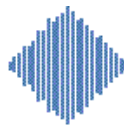
Rated Flow: 80 Liters per minute
21 Gallons per minute
U.V. Dose @ Rated Flow: 31,000 mw/sec/cm2
Maximum Flow: 108 Liters per minute
29 Gallons per minute
U.V. Dose @ Maximum Flow: 21,000 mw/sec/cm2
Electrical Supply: 120V/60Hz/ 2 Amp
240V/50Hz/2 Amp

Power Consumption: 90 Watt
Maximum Operating Temperature: 37 C (98.6F)
Maximum Operating Pressure: 125 psi - 8.6 Bar
Plumbing: 1.25"N.P.T. In-Out
Size 50"x 6"x 8"(127cm x 15cm x 20cm)
Weight:21 lbs. (9.5 kg)
Body: 316 Stainless Steel

TWT-UV-3000

Rated Flow: 117 Liters per minute
30 Gallons per minute
U.V. Dose @ Rated Flow: 38,400 mw/sec/cm2
Maximum Flow: N/A
U.V. Dose @ Maximum Flow: N/A
Electrical Supply: 120V/60Hz/2.1Amp
240V/50Hz/2.1Amp

Power Consumption: 90 Watt
Maximum Operating Temperature: 37C (98.6F)
Maximum Operating Pressure: 125 psi - 9 Bar
Plumbing: 1.25"N.P.T. In-Out
Size: 50"x 8"x 8"(127cm x 15cm x 20cm)
Weight: 45 lbs (20.5 kg)
Body: 316 Stainless Steel



**TRIANGULAR WAVE
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FLUID MANAGEMENT SOLUTIONS

Ultra Violet Purification Systems

The TWT-UV-5000 sterilizer is a very cost effective unit that is suited to the larger industrial application requiring 50 gallons per minute (200 L.P.M.) of clean, sterilized water. The unique design of this unit parallels two germicidal lamps in a highly efficient low maintenance configuration to provide clean water, free of disease causing pathogens. All sterilizers are manufactured to strict tolerances of 316 stainless steel. Our germicidal lamps are effective for 8,000 hours and are replaced in a simple ten minute procedure.



The industrial size TWT-UV-5007 sterilizer can assure a ready supply of safe, pathogen free water for manufacturing processes or human consumption. Applications

include water bottling plants, breweries or any other type of liquid processing. With the capacity to removedisease causing microorganisms effective to a

99.9% kill rate at 200 G.P.M. (820 L.P.M.), you can eliminate the need for chemicals and reduce high overhead costs. TWT has the technical expertise to assess your water problems and when needed, prefiltration systems may be added to the TWT-UV-5007 sterilizer. Environmental safety is our priority, therefore no chemicals are added and the PH balance of the water is unaffected by UV sterilization.



Specifications

TWT-UV-5000

Rated Flow: 200 Liters per minute
53 Gallons per minute
U.V. Dose @ Rated Flow: 40,200 mw/sec/cm2
Maximum Flow: 290 Liters per minute
77 Gallons pe minute
U.V. Dose @ Maximum Flow: 27,000 mw/sec/cm2
Electrical Supply: 120V/60Hz/3Amp
240V/50Hz/3Amp

Power Consumption: 200 Watts
Maximum Operating Temperature: 37C (98.6F)
Maximum Operating Pressure: 125 psi - 8.6 Bar
Plumbing: 2"N.P.T. In-Out
Size: 50"x 6.5"x 16" (127cm x 16.5cm x 41cm)
Weight: 74 lbs (34 kg)
Body: 316 Stainless Steel

TWT UV-5007

Rated Flow: 856 Liters per minute
220 Gallons per minute
U.V. Dose @ Rated Flow: 52,200 mw/sec/cm2
Number of lamps: 7
Lamp wattage: 79 Watts
Electrical Supply: 120V/60Hz/ .3Amp
240V/50Hz/ .2Amp
Power Consumption: 610 Watts
Maximum Operating Temperature: 37C (98.6F)

Maximum Operating Pressure: 125 psi - 8.6 Bar
Plumbing: 3"flange In-Out
Unit Dimensions: 19.6"x 12.2"x 56"(50cm x 31cm x 142cm)
Controller Dimensions: 33.6"x 25.2" x 12"(85cm x 64cm x 30cm)
Unit Weight: 128 lbs (58 kg)
Controller Weight: 60 lbs (27 kg)
Body: 316 Stainless Steel