



## LIQUID STORAGE SANITIZER



**Tank Master™** are versatile ultraviolet germicidal disinfection fixtures for liquid storage tanks.

### SPECIFICATIONS

Model	Lamp No.	No. of Lamps	Insertion Depth	Ultraviolet Output ④	Power Consumption ⑤
TM13	05-1119-R	1	9 7/8"	2.3 Watts	14 Watts
TM16	05-1366-R	1	12 7/8"	3.7 Watts	19 Watts
TM22	05-1370-R	1	18 3/4"	6.4 Watts	25 Watts
TM36	05-1382-R	1	34 3/4"	13.8 Watts	36 Watts
TM36-2	05-1382-R	2	34 3/4"	27.6 Watts	91 Watts
TM48	05-0197-R	1	46 11/16"	19.3 Watts	60 Watts
TM48-2	05-0197-R	2	46 11/16"	38.6 Watts	116 Watts
TM64	05-1017A-R	1	62 11/16"	25 Watts	72 Watts
TM64-2	05-1017A-R	2	62 11/16"	50 Watts	127 Watts

- ① Intended for indoor use, as with any electrical assembly, protect from moisture.
- ② Not recommended for applications over 5 PSI.
- ③ Not recommended for models larger than TM36.
- ④ Ultraviolet Output at 254 nanometers at 100 hours and 80°F (approximate).
- ⑤ Wattage is lamp watts only and does not include ballast loss.
  - 120V 60Hz, 220V 50Hz or 12VDC units are available - specify when ordering.



### ABOUT US

Since 1963, Atlantic Ultraviolet Corporation has pioneered the discovery and development of beneficial uses of ultraviolet energy. Over the years these efforts have led to the development of valuable, cost effective and environmentally sound techniques and products now known and respected throughout the world.

### USES & APPLICATIONS

Liquid storage tanks present unique challenges regarding disinfection and the maintaining of a sterile environment for their contents. The air space above the liquid is an ideal environment to promote the growth of bacteria, mold and other microorganisms, leading to the contamination of the stored liquid. The **Tank Master™** Liquid Storage Sanitizer line of versatile, germicidal ultraviolet fixtures is specifically designed to meet these challenges. **Tank Master™** disinfects the air space and surfaces, above the liquid, and the liquid contents. Disinfection is accomplished by irradiating contents with germicidal ultraviolet rays, without the use of heat or chemicals, which could affect taste, color, aroma, etc.

The **Tank Master™** Liquid Storage Sanitizer consists of a germicidal ultraviolet lamp enclosed in a quartz sleeve, sealed to the static gland fitting and powered by the remote, plug-in, ballast ①. The **Tank Master™** design allows lamp/quartz sleeve assembly to be mounted horizontally ② ③, into the storage tank (submerged in the liquid contents) or suspended vertically from the top of the storage tank (partially immersed in the liquid contents).

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## SPECIAL FEATURES

### STER-L-RAY™

#### Ultraviolet Germicidal Lamps

Slimline, instant start lamps utilize tungsten filaments. Lamp life is governed by the life of the filaments and is affected by the frequency of starting. **STER-L-RAY™** lamps are well suited for a variety of air and water purification applications, which require high ultraviolet intensity.

### SureLite™

State-of-the-art electronic ballast specifically developed for the operation of ultraviolet lamps. These versatile, instant start ballasts provide higher lamp output; are smaller, lighter, more efficient and operate cooler than magnetic ballasts.

### Crystal Clear™ Quartz Sleeve:

The quartz sleeve protects the ultraviolet lamp from deposits of dirt and/or dust insuring optimum ultraviolet output.

## OPTIONAL ACCESSORIES

### 1" NPT bulkhead fitting

The **Tank Master™** static gland fitting requires an available 1" female NPT fitting to mount to the storage tank. If an appropriate fitting is not available, an optional 1" NPT bulkhead fitting is offered. The optional bulkhead fitting has certain minimum dimensional requirements and may require modifications to the tank, please contact us regarding your application.

## ADVANTAGES

### EFFECTIVE -

Virtually all microorganisms are susceptible to **Tank Master™** disinfection.

### ECONOMICAL -

Equipment costs generally less than other alternatives.

### SAFE -

No danger of over dosing, no addition of chemicals required.

### FAST -

Disinfects both air and exposed surfaces in seconds.

### EASY -

Operation is simple and straightforward.

### AUTOMATIC-

Disinfects without the need of special attention or measurements.

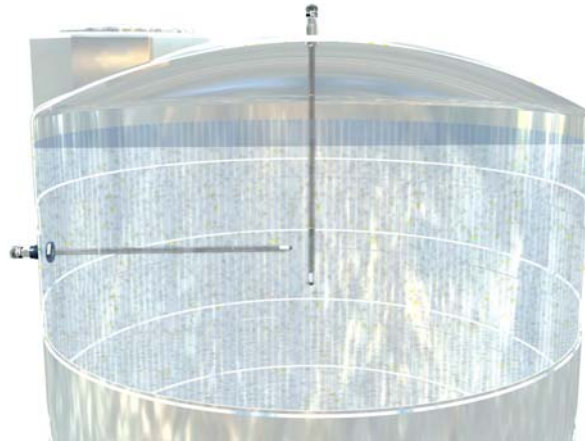
### VERSATILE-

An assortment of models available to treat a variety of storage tanks.

### LOW MAINTENANCE-

Annual lamp replacement and cleaning of the quartz sleeve is all that is required.

## INSTALLATION



Horizontal application not recommended for units larger than TM36.

## IN-LINE ULTRAVIOLET DISINFECTION EQUIPMENT

The **Tank Master™** Liquid Storage Sanitizer will help maintain the quality of the air space and liquid contents of the storage tank. Complete disinfection of the liquid contents cannot be assured. Many factors will affect the efficiency of the **Tank Master™** including: proper sizing (lamp size/quantity vs. tank size/capacity), ultraviolet transmission/absorbance of the liquid, proximity to the ultraviolet lamp, etc.

For continued protection, Atlantic Ultraviolet Corporation can offer a complete range of disinfection equipment suitable for your application (**Mighty Pure™/Sanitron®** for water applications or **Infinity™** for liquid sugar/syrup applications). Please contact us regarding your application.

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CAUTION: Exposure to direct or reflected germicidal ultraviolet rays will cause painful eye irritation and reddening of the skin. Personnel subject to such exposure must wear suitable faceshield, gloves and protective clothing.

Hg - LAMP CONTAINS MERCURY, manage in accord with disposal laws, see: [www.lamprecycle.org](http://www.lamprecycle.org).