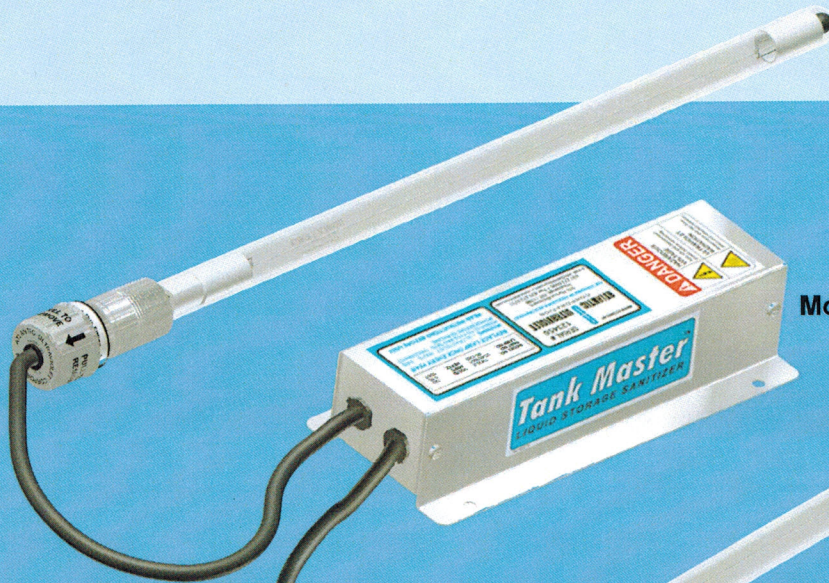
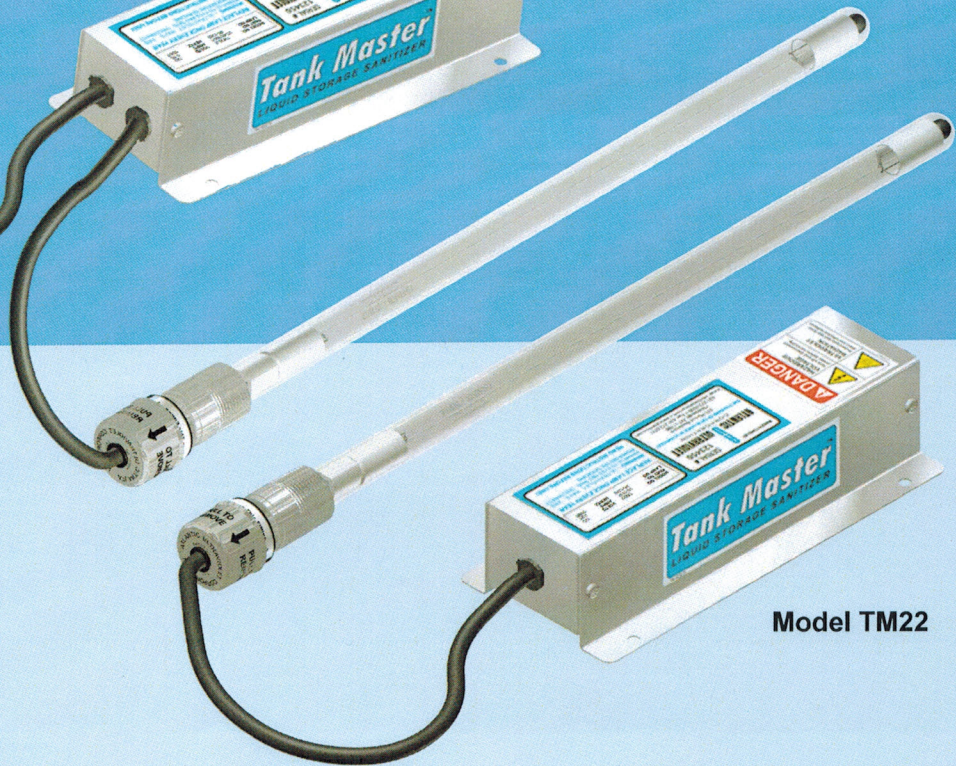


Tank Master™

ULTRAVIOLET LIQUID STORAGE SANITIZER



Model TM36-2



Model TM22

ATLANTIC  **ULTRAVIOLET**
CORPORATION®

SINCE 1963

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 well known and respected throughout the world.

The UV Application Specialists at Atlantic Ultraviolet Corporation® assist customers in the selection of germicidal lamps and equipment. Their specialized knowledge is a valuable resource in formulating effective and cost-conscious ultraviolet solutions. Extensive inventories and a dedicated staff enable Atlantic Ultraviolet Corporation® to fulfill its commitment to provide fast deliveries and responsive customer service.

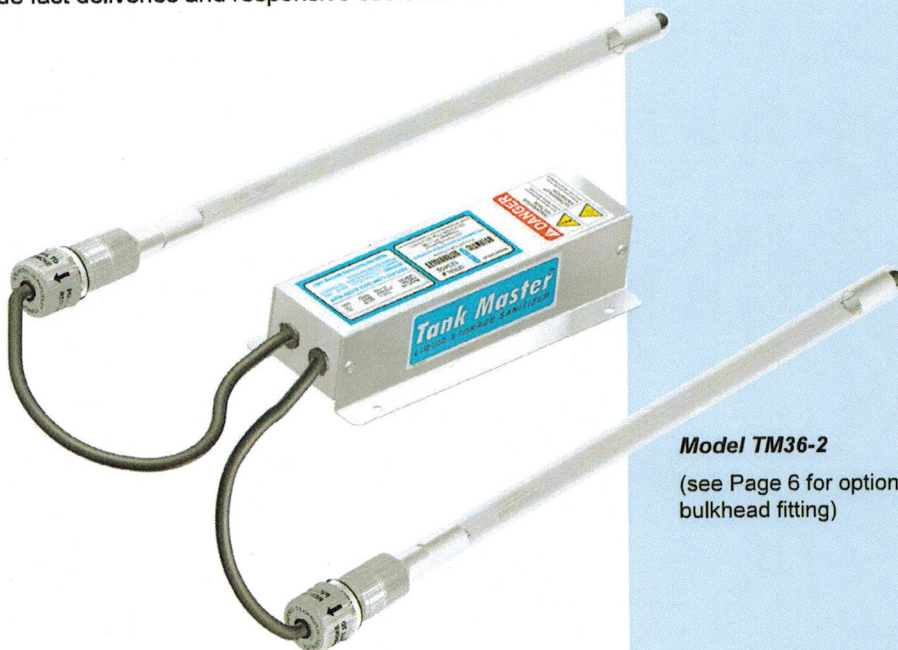


GERMICIDAL ULTRAVIOLET

Ultraviolet is a unique and rapid method of disinfection. It utilizes germicidal ultraviolet lamps producing short-wave radiation at 254 nanometers (nm) — highly lethal to bacteria, virus, and other microorganisms.

An ever growing range of industries and consumer applications have found ultraviolet to be the ideal solution for their air and liquid treatment needs.

Atlantic Ultraviolet equipment and systems are manufactured in the USA.



Model TM36-2
(see Page 6 for optional
bulkhead fitting)

ADVANTAGES

Effective

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

Economical

Inexpensive to operate

Safe

No danger of overdosing, no addition of chemicals

Fast

Disinfects air space and surfaces in seconds

Automatic

Provides continuous disinfection without special attention or measurement

Versatile

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

Low Maintenance

Annual lamp replacement and cleaning of the quartz sleeve(s) is required

PRINCIPLE OF OPERATION

Liquid storage tanks present unique challenges regarding disinfection and maintaining 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™** has been carefully conceived to provide adequate germicidal ultraviolet exposure for air disinfection.

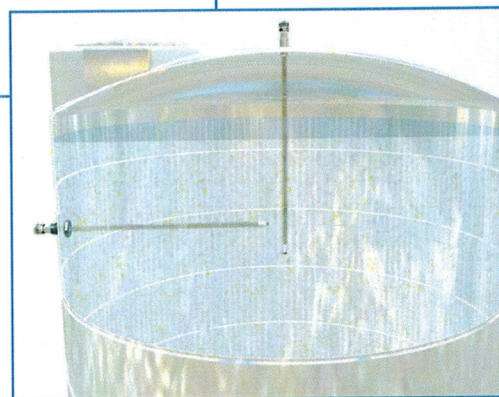
The **Tank Master™** Ultraviolet Liquid Storage Sanitizer line of versatile, germicidal ultraviolet fixtures is specifically designed to meet these challenges. **Tank Master™** disinfects the air space and surfaces, above the liquid, and the liquid contents. Disinfection is accomplished by irradiating contents with germicidal ultraviolet rays, without the use of heat or chemicals.



Figure 1 - Tank Master™ Ultraviolet Liquid Storage Sanitizer and Bulkhead Fitting (optional)

Figure 2 - Tank Master™ Ultraviolet Liquid Storage Sanitizer mounting options.

Horizontal application not recommended for models larger than TM36.



The **Tank Master™** Ultraviolet Liquid Storage Sanitizer consists of a germicidal ultraviolet lamp enclosed in a quartz sleeve, sealed to a unique static gland fitting and powered by the remote, plug-through, ballast (**Figure 1**).

The **Tank Master™** design allows lamp/quartz sleeve assembly to be mounted horizontally 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 (**Figure 2**).

SPECIAL FEATURES

Tank Master™ Ultraviolet Liquid Storage Sanitizer

Tank Master™ Ultraviolet Liquid Storage Sanitizer provides in-place ultraviolet disinfection. The **Tank Master™** Ultraviolet 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 complete disinfection of the liquid, Atlantic Ultraviolet Corporation can offer a comprehensive range of in-line disinfection equipment suitable for your application (For example, **MIGHTY PURE®/SANITRON®** for water applications or **INFINITY™** for liquid sugar/syrup applications). Please contact us regarding your application.

STER-L-RAY® Instant Start Germicidal Ultraviolet Lamps

STER-L-RAY® Instant Start Germicidal Ultraviolet Lamps are high quality ultraviolet lamps rated for 10,000 hours of continuous use. 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.

Steadfast™ Lampholders

Includes a socket that holds a four pin lamp securely, and facilitates convenient, quick and easy lamp changes.

Static Gland

Allows threading directly into a 1" female NPT on tank.

EASY-OFF™ End Cap

EASY-OFF™ End Cap is a patented feature that enables effortless lamp replacement. No tools are required.

Surelite™ Electronic Ballast

State-of-the-art electronic ballast is specifically designed to operate ultraviolet lamps.

The **Surelite™** Electronic Ballast offers these advantages over conventional ballasts:

- delivers high UV lamp output
- lightweight
- operates cool for longer life
- versatile—each operates a wide range of lamps
- saves energy through high efficiency
- provides silent operation

Model TM-22

(See Page 6 for Optional Accessories)

Rubber Ball

Ensures spacing between lamp and fused quartz sleeve.

Fused CRYSTAL CLEAR™ Quartz Sleeve

Ensures optimum lamp output at normal temperatures. Tolerant of humid environments.

1" NPT Bulkhead Fitting (optional)

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, this optional 1" NPT bulkhead fitting can be utilized. The optional bulkhead fitting has certain minimum dimensional requirements and may require modifications to the tank. Please contact us regarding your application.

Surface Mount Bracket Kit (optional)

Unique bracket designed specifically for **Tank Master™** line enables installation in both air and tank applications. Contact us and discuss with our UV Application Specialists.

