

Ensuring the **Safety** of your **Water** with **Confidence**

# **Aqualight™ TKUV** STORAGE TANK ULTRAVIOLET DISINFECTION SYSTEM

Ultraviolet (UV-C rays /253.7 nm) water disinfection system is a unique and rapid method of water disinfection without the use of heat or chemicals to effectively destroys bacteria, virus, mold & algae. Ultraviolet (UV) light treatment is a widely recognized and proven method of disinfection of water and has several advantages over other disinfection methods such as chlorination, ozonation, etc . UV light does not add anything to the water, such as undesirable color, odor, taste or flavor, nor does it generate harmful byproducts. It adds only energy in the form of ultraviolet radiation. Also, UV disinfection requires only a fraction of the contact times required by other disinfection methods. It is fast, efficient, effective, economical and environmentally-friendly.

TKUV series ultraviolet storage tank sterilizers attaches to existing liquid storage tanks to provide sanitary storage and disinfection for air above the liquid and for the liquid contents.

Installation & Maintenance : TKUV series ultraviolet storage tank sterilizers are designed for use in liquid storage tanks as shown. The electrical enclosure should be protected from moisture and the quartz sleeve assembly is not recommended to be used in a submerged application over 5 psi. Lamp and quartz sleeve should be periodically cleaned to maintain high transmission of ultraviolet rays. Stubborn stains, which cannot be removed with alcohol or a detergent, usually can be removed with a dilute hydrochloric acid. Lamps have a rated effective life of 10,000 hours.

Advantages: Effective Economical Safe Fast & Easy Automatic Chemical Free  
Applications: Drinking Water Food Processing Medical Industries



Model	TKUV-10	TKUV-19	TKUV-28	TKUV-39
Insertion Length	245mm (9.7")	375mm (14.7")	535mm (21")	890mm (35")
Lamp Part#/Watts	GPH212T5L/4-LT, 10 Watts	GPH330T5L/4-LT, 19 Watts	GPH505T5L/4-LT, 28 Watts	G36T5L/4-LT, 39 Watts
Rated Life	10,000 Hours			
Quartz Sleeve Part#	QS245, length 245mm	QS375, length 375mm	QS535, length 535mm	QS890, length 890mm
Ballast Part#	BATK1040, 100V.-240V./50-60Hz.			

### Control

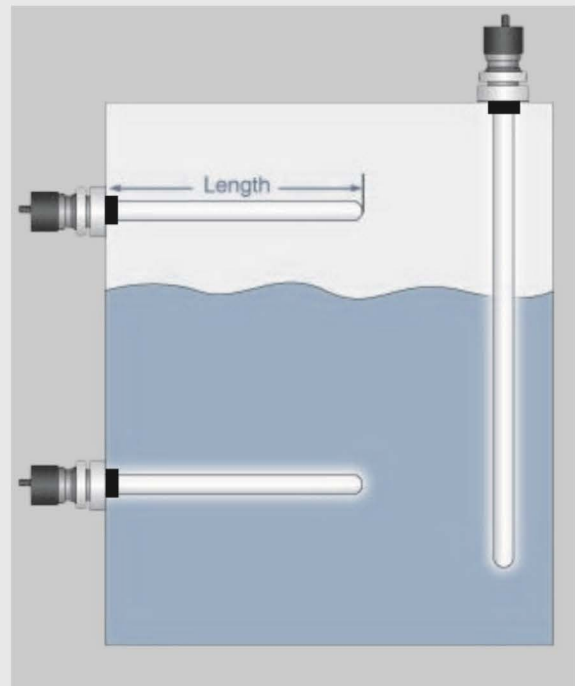
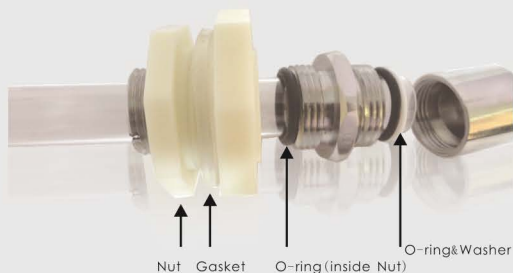
- Audible Lamp Failure
- Lamp Operation Indicator
- CE Certificate

### Operating Parameters

- + Max. operating pressure 125psi (8.62 bar)
- + Ambient water temperature 2-40°C (36-104°F)
- + Iron < 0.3ppm (0.3 mg/L)
- + Hardness < 7gpg (120mg/L)
- + Turbidity < 1 NTU
- + UV Transmittance > 75%

### General

- + 4-Log (99.99%) Reduction in Bacteria  
Viruses and Protozoan Cysts
- + Vertical or Horizontal Installation



**Warranty** Aqualight™ ultraviolet disinfection systems carry a TWO year warranty on the stainless steel reactor chamber, a one year warranty on UV lamp, quartz sleeve and other components.