



The ultraviolet (UV-C rays, 253.7nm) water disinfection treatment is an extremely rapid physical process, reliable, economical and chemical-free, highly effective method to remove the threat of microbiological contaminants from water.

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.

Ultraviolet light treatment is a widely recognized and proven method of disinfection of water, does not add anything to the water, nor does it generate harmful byproducts. It adds only energy in the form of ultraviolet radiation. It is fast, efficient, effective, economical and environmentally-friendly.

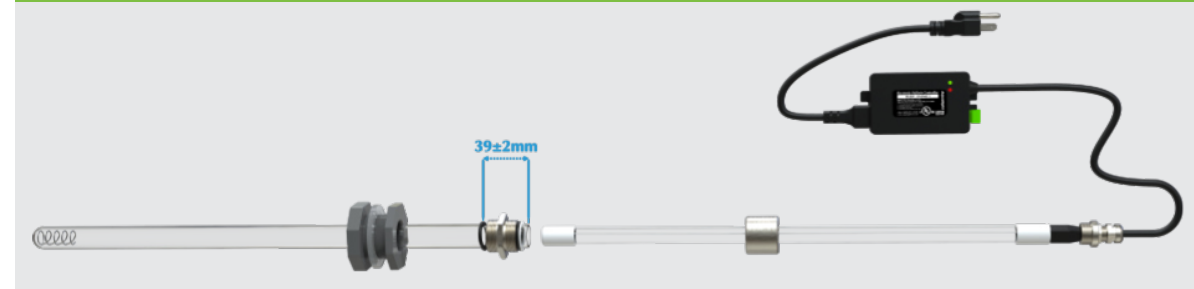
TKUV series storage tank ultraviolet disinfection systems are versatile, germicidal ultraviolet fixtures is specifically designed to meet these challenges., disinfect the air space and surfaces, above the liquid, and the liquid contents. Disinfection is accomplished by irradiating contents with germicidal ultraviolet rays, without the use of heat or chemicals, which could affect taste, color, aroma, etc.



Specifications

Model	TKUV28	TKUV39	TKUV28T	TKUV39T	TKUV80T	TKUV100T
Insertion Length	535mm (21 in.)	890mm (35 in.)	535mm (21 in.)	890mm (35 in.)	890mm (35 in.)	1082mm (43 in.)
Ultraviolet Lamp	GPH505T5L/4-LT, 28 Watts	G36T5L/4-LT, 39 Watts	GPH505T5L/4-LT, 28 Watts	G36T5L/4-LT, 39 Watts	GHO36T5L/4-LT, 80 Watts	GHO1052T5L/4-LT, 100 Watts
Quartz Sleeve (Domed, Single Open)	QS535	QS890	QS535	QS890	QS890	QS1082
Controller	Part# BATK4011, 110V. / BATK4022, 220V. 6.5*4.5*2.8cm (2.6*1.8*1.1 in.)	Part# BAP400365(TK), Universal Voltage100V.-250V/50-60Hz., 18*9.5*5cm (7.1*3.7*2 in.)	Part# BAP400365(TK), Universal Voltage100V.-250V/50-60Hz., 18*9.5*5cm (7.1*3.7*2 in.)	Part# BAP100365(TK), Universal Voltage100V.-250V/50-60Hz., 18*9.5*5cm (7.1*3.7*2 in.)	Part# BAP100365(TK), Universal Voltage100V.-250V/50-60Hz., 18*9.5*5cm (7.1*3.7*2 in.)	Part# BAP100365(TK), Universal Voltage100V.-250V/50-60Hz., 18*9.5*5cm (7.1*3.7*2 in.)
Features	Lamp Operating Indicator, Audible Lamp Failure, Optional GDCT-365 Lamp Life Countdown Timer	Lamp Operating Indicator, Audible Lamp Failure, Lamp Life 365 Days Countdown, Total Running Days, Dry Contact	Lamp Operating Indicator, Audible Lamp Failure, Lamp Life 365 Days Countdown, Total Running Days, Dry Contact	Lamp Operating Indicator, Audible Lamp Failure, Lamp Life 365 Days Countdown, Total Running Days, Dry Contact	Lamp Operating Indicator, Audible Lamp Failure, Lamp Life 365 Days Countdown, Total Running Days, Dry Contact	Lamp Operating Indicator, Audible Lamp Failure, Lamp Life 365 Days Countdown, Total Running Days, Dry Contact
▶ Lamp Rated Life 9,000 hours						

Exploded View



General

- Vertical or Horizontal Installation

Parameters

- Max. Pressure 5psi (0.345 bars)
- Ambient Water Temperature 2-40°C (36-104°F)
- Iron < 0.3 ppm (0.3mg/L)
- Hardness < 7 gpg (120 mg/L)
- Manganese < 0.05 ppm (0.05 mg/L)
- Turbidity < 1NTU
- Tannins < 0.1 ppm (0.3 mg/L)
- UV Transmittance > 75%

Warranty

- A TWO Year on Power Supply Controller
- A ONE Year Warranty on Ultraviolet Lamp, Quartz Sleeve and Other Components

Installation Layout

