

UV-GUARD™

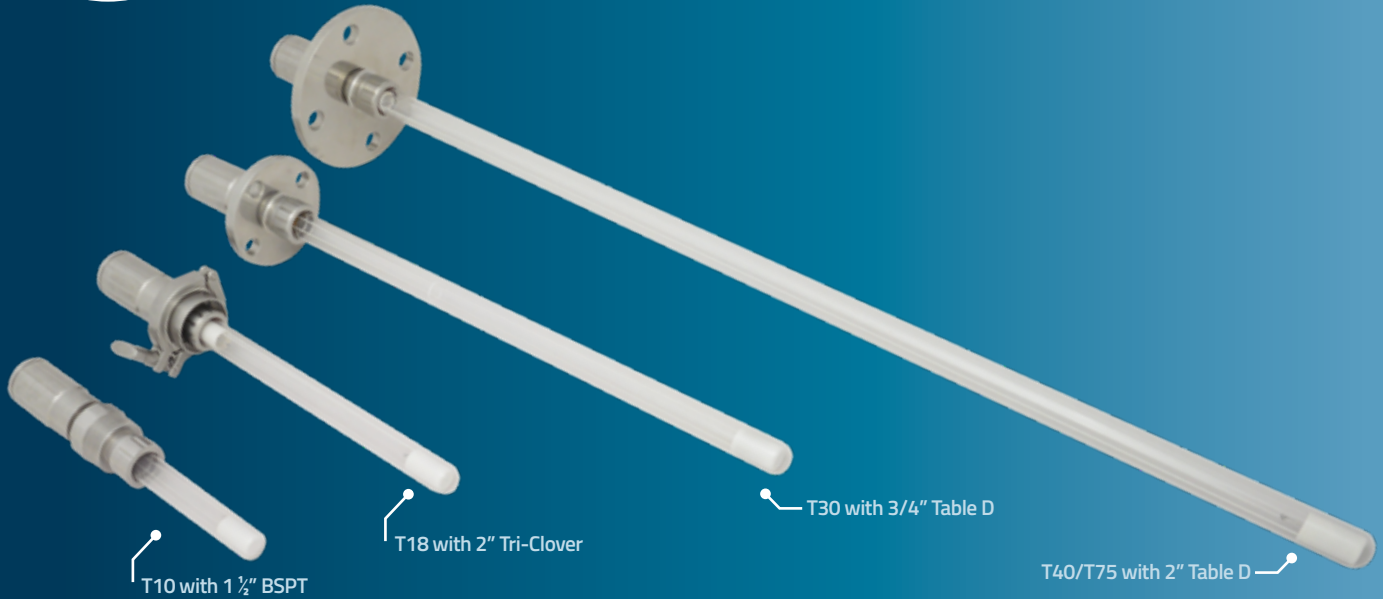
WATER & AIR PURIFICATION



Residential



Commercial



T-Series™

Water, air and surface UV
Disinfection for storage tanks of
any size.

UV-Guard's versatile T-Series can be used in any application where there is a need to protect stored water, liquid, powders or any other product from harmful pathogens.

Installed in storage tank headspaces, the T-Series disinfects air, internal tank walls and product surfaces. It can also be submerged to directly disinfect stored liquids and acts as a deterrent to prevent pests from entering tanks.

Applications

- ✓ Safely prolong storage periods of your product – sugar syrup, dairy, powders & more.
- ✓ Protect your product from spoilage microorganisms – beer, liquid sugar & more.
- ✓ Safeguard stored drinking water supplies at remote communities.
- ✓ Provide continuous disinfection of empty storage tanks in preparation for use.
- ✓ Safeguard aquaculture facilities such as fish farms and hatcheries from disease.
- ✓ Prevent bacterial infection from headspaces in high purity ring main buffer tanks.
- ✓ Deter insects and other pests such as frogs from infesting potable storage tanks.



Food & Beverage



Medical &
Pharmaceutical



Industrial &
Manufacturing



Aquaculture



Drinking Water



Rainwater

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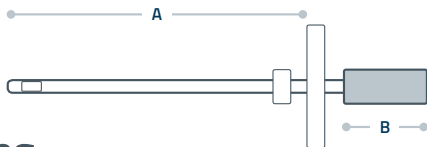
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Features & Benefits

- ✓ Five models to suit small tanks up to larger tanks where multiple T-Series can be employed.
- ✓ Four 316 stainless steel connection types available for both stainless steel and poly tanks:
 - ¾" Table D flange – multipurpose connection type
 - 2" Table D flange – multipurpose connection type
 - 2" Tri-Clover sanitary fitting – for food and beverage or pharmaceutical uses
 - 1 ½" Male BSPT screw-in fitting – ideal for use with tank bulk head fitting
- ✓ Variety of weatherproof and indoor UV lamp controllers available with additional features to suit project requirements. Multiple T-Series solutions can be operated by one centralised controller.
- ✓ Each solution customised and designed by UV-Guard to meet your unique needs.

Dimension Diagram



Specifications

Model	Connection Type Available	Lamp Power (W)	Dimension A Length within Tank (mm)	Dimension B Maintenance length required (mm)
UVG T10	¾" Table D, 2" Table D, 2" Tri-Clover, 1 ½" Male BSPT	10	170	200
UVG T18		20	300	300
UVG T30		30	510	600
UVG T40		40	840	1000
UVG T75		80	840	1000

Model Selection & Installation

1. Contact UV-Guard with your project requirements to ensure the correct T-Series solution is selected.
2. For disinfection of air, product surfaces and internal tank walls, install T-Series solution vertically or horizontally in tank headspace.
3. For preventing pests such as frogs from entering tank, install T-Series solution vertically or horizontally in tank headspace.
4. For direct disinfection of liquids, install T-Series solution either horizontally or vertically so that the T-Series is submerged.



Air, surface, tank wall disinfection - tank headspace installation



Liquid disinfection – submerged installation

Connection Types Available

3/4" Table D	2" Table D	2" Tri-Clover	1 1/2" Male BSPT
			<p>Bulk Head Fitting (optional)</p>

Controller Options

Controllers	Models	Features
Basic Indoor Controllers 	T10, T18, T30, T40	Indoor use, lamp on/off LEDs, audible lamp fail alarm.
	T75	
Basic Weatherproof Controllers 	T10, T18, T30, T40, T75	Weatherproof IP65, lamp on/off LEDs.
Digital Indoor Controllers 	T10, T18, T30, T40, T75	Indoor use, digital lamp life timer, lamp on/off LEDs, audible lamp fail alarm, volt free alarm contacts.
Weatherproof PLCs 	T10, T18, T30, T40, T75	<p>Standard</p> <p>Weatherproof IP65, digital lamp life timer, lamp on/off LEDs, audible lamp fail alarm.</p> <p>Customised</p> <p>One controller to operate multiple T-Series, lamp safety interlocking device, volt free alarm contacts, personalised software and facia, other features to suit.</p>



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