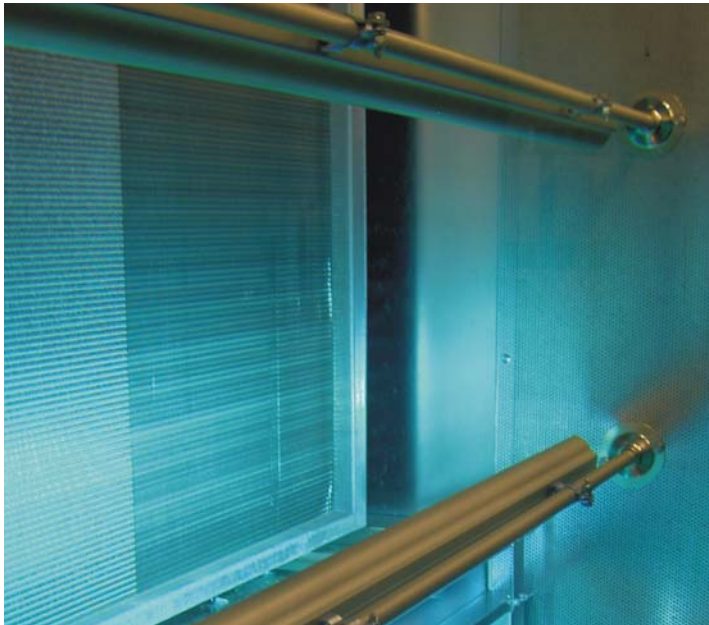




ULTRAVIOLET  
OBJECT PURIFIERS  
FOR MOLD AND  
BACTERIA ON  
EVAPORATION COILS



## CoilClean Series

Tri-Dim is proud to offer the state-of-the art in UV purification systems from Sanuvox. These systems are designed to prevent and destroy mold and other microbial contaminants from rooftop coils, fan coils, walk-in A/C coils and the air. This is accomplished by continually immersing the coils with intensive UV Light. High-Intensity UVC Lamps, High-Output Electronic Ballasts and Parabolic Reflectors make the CoilClean Series incredibly effective.

### UV Light – How it Works

The sun bombards the earth's atmosphere with UV energy destroying contaminants in the air. This process is how the sun naturally purifies the air that we breathe. We create this same process indoors.

The CoilClean Series utilizes 19mm UVC Germicidal wavelength (254nm) Quartz Lamps. These lamps incorporate the latest in UV Lamp technologies, guaranteeing longest Lamp life, low mercury content, with features such as anti-solarization coatings, proprietary gas mixtures, pure fused quartz glass and heavy duty filaments that provide extras long life – more than twice the operating life when compared to competitive systems.



### Benefits of Reflection

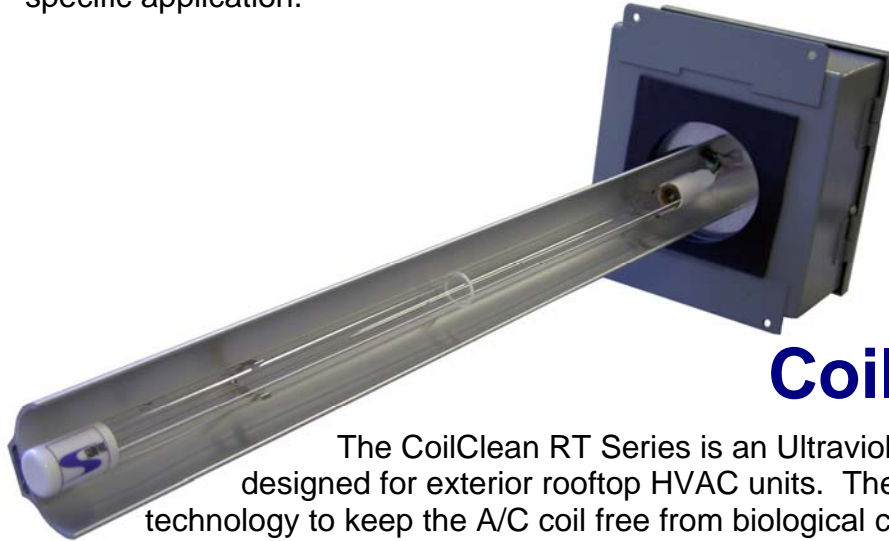
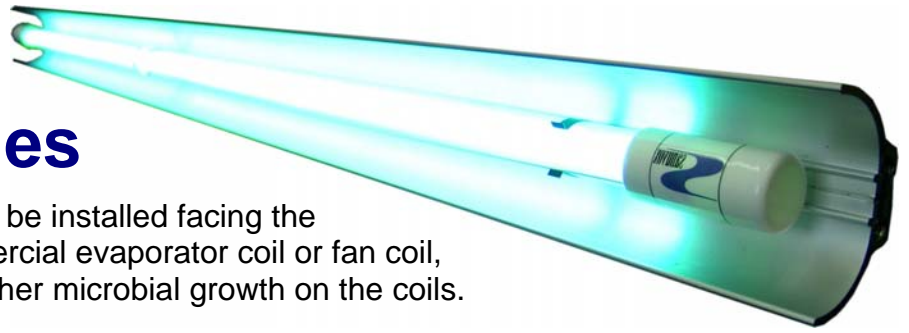
The CoilClean Series utilize Anodized Aluminum Parabolic Reflectors – this allows for virtually all of the UV energy to be directed onto the coil or the air without losing any UV energy on the back-end, top or bottom of the Lamp. The Reflector also protects plastics, wiring and other components from the UV rays.

The principle of light reflection increasing and directing light intensity is a principle we are all familiar with in a common flashlight. This same principle works on UV light as well – reflection is needed to intensify and direct the UV light to where it is needed. Using any other UV Lamp / Emitter will result in losing more than half the UV intensity.

## CoilClean IL Series

The CoilClean IL Series is designed to be installed facing the return side (or supply side) of a commercial evaporator coil or fan coil, destroying and preventing mold and other microbial growth on the coils.

The CoilClean IL (In-Line) Series is available in the following Lamp lengths: 12, 18, 24, 30, 40, 50 and 60 inch. A combination of CoilClean IL's can be used to accommodate any size coil. Contact your local representative to properly size the CoilClean IL to your specific application.



## CoilClean RT Series

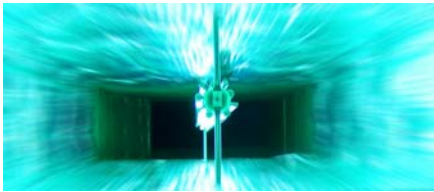
The CoilClean RT Series is an Ultraviolet Light Objects Purifier specifically designed for exterior rooftop HVAC units. The CoilClean RT employs patented technology to keep the A/C coil free from biological contaminants including mold and fungus. The UV Purifier uses a weatherproof NEMA 4X Housing and a patent pending Reflector locking and alignment mechanism.

The CoilClean RT (Roof-Top) is available in the following Lamp Lengths: 24, 30 and 40 inch. Your local representative is available to assist you in properly sizing the CoilClean RT.

### UV CoilClean Features

- Destroys mold and other microbial growth on the 'object' as well as biological odors
- Improves energy savings and reduces maintenance
- High intensity 19mm UVC Quartz Lamp
- Patent Pending Anodized Parabolic Reflector intensifies, directs and reflects UV energy while protecting plastics from destructive UV Rays
- University tested and published results in the Lancet Medical Journal
- Higher UV intensity & reliability than competing products
- Longer operating life; 17,000 hours compared to 8,000 by the competition

# UV Air Purifiers



## IN-DUCT UV AIR PURIFIERS

**UV Bio-Wall** – (left) has 5 High Intensity 19mm Fused Lamps, which are mounted to Anodized Parabolic Reflectors that reflect the full 360° of Germicidal Radiation. The Bio-Wall is mounted parallel to the air-stream in order to maximize the contaminant's contact time with the UV Energy.

**UV Bio-Wall QUATTRO** – (right) inspired by the overwhelming success of the UV Bio-Wall, the QUATTRO is designed as a Commercial In-Duct UV Air Purifier and will treat the entire duct at one time, destroying up to 99.99% of the biological and chemical contaminants in the air-stream.



## STAND-ALONE UV AIR PURIFIERS

**S1000FX Filter/UV System** – (left) is a combination Ultraviolet – Filter Air Purifier that can be utilized in healthcare, smoking areas or high odor environments.

**UV Bio-Wall PENTA Mobile** – (right) is a self contained fully mobile Air and Surface Ultraviolet Sterilizer for use in unoccupied areas delivering intensive UV for sterilization of microbial contaminants such as mold, bacteria & viruses.

## Product Specifications

	CoilClean IL	CoilClean RT
<b>Purifying Capacity</b>	Sized According to Coil Size	Sized According to Coil Size
<b>Dimensions</b>	Reflector Height: 2.5"	NEMA 4X Enclosure:
	Reflector Depth: 1.26"	8x8x4
	Reflector Length: Up to 61.5" Depending upon model	Reflector HxD: 2.5" x 1.26" Depth Depends upon model
<b>Weight (lbs)</b>	25-14 lbs depending upon model	RT24: 12 lbs
		RT30: 12.5 lbs
		RT40: 13 lbs
<b>Power</b>	110/220 V 50-60 Hz	1208/220 V (120 V available) 50-60 Hz
<b>Watts/amperage</b>	420 ma - 1060 ma	Up to 100 Watts, 1A
	Up to 150 Watts depending upon model	
<b>Starting</b>	Hardwire to Air Handler	Hardwire to Air Handler
<b>Line Cord</b>	No	No
<b>UV Lamp Type</b>	Proprietary High Intensity 19mm Mercury Vapor Lamp	Proprietary High Intensity 19mm Mercury Vapor Lamp
<b>UV Wavelength</b>	UVC 254nm	UVC 254nm
<b>UV Light Configuration</b>	Straight	Straight
<b>UV Lamp Length (in)</b>	12"/18"/24"/30"/40"/50"/60"	24"/30"/40"
<b>Internal Lumina Lamp Coating to prevent solarization</b>	Yes	Yes
<b>Reflector</b>	Anodized Aluminum Parabolic Reflector	Anodized Aluminum Parabolic Reflector
<b>Average Microwave intensity at 36"</b>	Microwaves will vary depending upon Lamp Length	Microwaves will vary depending upon Lamp Length
<b>Lamp Change out Time</b>	17,000 hours	17,000 hours
<b>Lamp Warranty</b>	12,000 hours	12,000 hours
<b>Purifier Warranty</b>	3 Year Ballast, 5 Year Other	3 Year Ballast, 5 Year Other
<b>Construction</b>	Aluminum/Steel	Aluminum/Steel
<b>Certifications</b>	CSA C/US, CE	CSA C/US, CE
<b>Options</b>	Proprietary electronics & software to monitor each purifier via building computer maintenance	Proprietary electronics & software to monitor each purifier via building computer maintenance

Tri-Dim Filter Corporation is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice. Tri-Dim® and Tri-Dek® are Registered Trademarks of Tri-Dim Filter Corporation. CoilClean, UV Bio-Wall and Sanuvox are Trade Names of Sanuvox Technologies.



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