Ultraviolet Object Purifiers Removal of Mold and Bacteria on Evaporation Coils



CoilClean Series Ultraviolet Surface Purifiers



COILCLEAN SERIES

Tri-Dim is proud to offer state-of-the art UV air 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 19 mm UVC germicidal wavelength (254 nm) quartz lamps. These lamps incorporate the latest in UV lamp technologies, guaranteeing the longest lamp life and low mercury content. The lamps feature anti-solarization coatings, proprietary gas mixtures, pure-fused quartz glass and heavy duty filaments that provide extra long life – more than twice the operating life when compared to competitive systems.

BENEFITS OF REFLECTION

The CoilClean series utilizes anodized aluminum parabolic reflectors that direct virtually all of the UV energy onto the coil or air. This avoids any loss of UV energy to the back, top or bottom of the lamp. The reflector also protects plastics, wiring and other components from the UV rays.

The principle of using light reflection to increase and direct light intensity is one we are all familiar with in a common flashlight. This same principle works on UV light as well – reflection is used 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.

UV COILCLEAN FEATURES

- Destroys mold, other forms of microbial growth and biological odors on an object
- University tested with results published in the Lancet Medical Journal
- Higher UV intensity and reliability than competing products
- Patent-ending anodized parabolic reflector intensifies, directs and reflects UV energy while protecting plastics
- Longer operating life of 17,000 hours, compared to 8,000 hours by the competition
- Reduces energy costs and maintenance
- High intensity 19 mm UVC quartz lamp
- Proprietary electronics and software connects with building maintenance systems to monitor purifer performance

CoilClean Series Ultraviolet Surface Purifiers



COILCLEAN IL

1

The CoilClean IL (In-Line) series is installed facing the return (or supply) side of a commercial evaporator coil or fan coil – destroying mold and other microbial growth and preventing it from forming on the coils.

CoilClean IL is available in a variety of lamp lengths and can be used to accommodate any size coil. Contact your local representative to properly size the CoilClean IL to your specific application.

IN-DUCT UV AIR PURIFIERS

2

UV Bio-Wall has five high-intensity 19 mm fused lamps, which are mounted to anodized parabolic reflectors that reflect the full 360° of germicidal radiation. Bio-Wall is mounted parallel to the airstream in order to maximize the contaminant's contact time with the UV energy.

3

UV Bio-Wall Quattro is designed as a commercial in-duct UV air purifier that treats the entire duct at one time – destroying up to 99.99% of the biological and chemical contaminants in the airstream.

STAND-ALONE UV AIR PURIFIERS



S1000FX Filter/UV System is a

combination ultraviolet and filter air purifier that can be utilized in healthcare settings, smoking areas or high-odor environments.

CoilClean Series Technical Data

	CoilClean IL
Purifying capacity	Sized according to coil size
Dimensions	Reflector (H x D): 2.5" x 1.26". Reflector length: up to 42"
Weight	14 - 25 lbs
Power	120/230 V
Watts	Up to 119 W
Starting	Hardwire to air handler
Line cord	No
UV lamp type	Proprietary, high intensity 19 mm mercury vapor lamp
UV wavelength	UVC 254 nm
UV light configuration	Straight
UV lamp length (in)	18, 24, 30, 40"
Internal lumina lamp coating	Yes
Reflector	Anodized aluminum parabolic
Average microwave intensity @ 36"	Varies depending on lamp length
Lamp change out time	17,000 hours
Lamp warranty	2 years
Purifier warranty	15-year ballast
Construction	Aluminum/stainless steel
Certifications	ETL-CSA C22.2 NO250.0 & UL 1598

* Percentage of biological destruction will depend upon: size of duct, velocity of air where the QUATTRO is installed, contaminants to be destroyed and the percentage of outside make-up air.

Tri-Dim Filter Corporation is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice. Tri-Dim products are manufactured to exacting criteria – there can be a $\pm 5\%$ variance in filter performance.

LOCAL REPRESENTATIVE





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