



American Ultraviolet®

Insightful Solutions. Remarkable Results. Since 1960.

APPLICATIONS

The CK series is designed as a modular, highly flexible kit for retrofit and OEM Air Handling Unit (AHU) installations. The kit is easy-to-install, and only includes the essentials for the necessary application, resulting in a very budget-friendly system.

BENEFITS

- Better Indoor Air Quality (IAQ)
- Restores AHU efficiency and saves energy
- Decreased installation, maintenance and coil cleaning labor and chemical costs
- Long 2-year lamp life, and tool-free lamp change

LAMPS

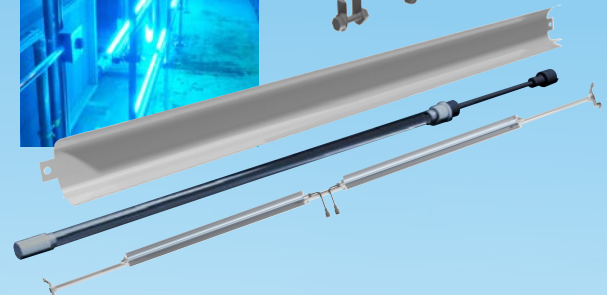
- High Output (800mA), 17,000 Hour Life, Low-Mercury (<8mg), UV-C (254nm)
- Available Lamp Lengths: 18, 24, 36, 48, 60"
- Single Quartz Wall (GSL), Shatterproof Coated Quartz (GTL) and Double-Walled Quartz (GCL) types are all compatible with the CK and all use the same watertight lamp socket

POWER SUPPLY

- Multi-voltage (110-277V) and multi-frequency (50/60Hz) w/LED indication of proper function
- Water-tight lamp cable connection into power supply (up to 30' long)
- Ballasts run single or dual lamp configurations. Optional outdoor rated enclosures are available upon request.

MOUNTING HARDWARE

- Designed to securely hold lamps to rigid conduit
- Lamp changes do not require any tools



Air Handling Kit CK Series System

BMS OPTION

The addition of one or more lamp monitoring boards to a CK enclosure allows remote monitoring of all lamps by external systems - such as a building management system - so CK system status is available remotely.

FEATURES

- Moisture-proof lamp connections with plenum-rated cables
- Up to 16 lamps can run from a single enclosure
- Multiple lamps of various lengths, and lamp cables, can be used from a single power enclosure, providing the ability to use a single CK enclosure to cover multiple AHU's.
- LED lamp out indicators
- 10-year warranty on ballasts

UVC Germicidal Solutions



Why UVC

UVC is Efficient and Safe

UVC Germicidal Fixtures increase the value of all air conditioning and air-circulating systems by:

- Maximizing system efficiency
- Prolonging blower life
- Providing healthier air to breathe

Treating air that passes through an HVAC unit with ultraviolet light will reduce, or eliminate, RNA/DNA-based airborne contaminants (bacteria, viruses, mold spores, yeast, protozoa), and provide improved air quality. UVC Germicidal Fixtures are labor-free solutions that will not harm occupants, equipment, or furnishings, because they produce no ozone or secondary contaminants. For more than 70 years, tens of thousands of fixtures have been safely installed in hospitals, clinics, processing plants, commercial offices, manufacturing sites and other commercial facilities and multi-and single-family residences around the world.

Filters and Coil Cleaning

Filters are necessary to trap dust, pollen and other particles, however, to remove harmful bacteria and viruses from the airstream you need the addition of UVC light to render these microorganisms sterile, and therefore unable to reproduce. The process of cleaning cooling coils is like treating symptoms. Using UVC Germicidal Fixtures from American Ultraviolet Company, on the other hand, is a permanent solution. Without UVC, coils require constant cleaning, an expensive and inferior process that often relies on toxic and/or flammable solvents that are dangerous, and that can diminish the life of the coil.

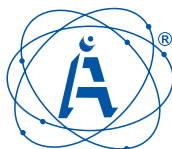
Pressure washing coils also frequently leaves material embedded in the center of the fin pack, compressing it so tightly that cleaning becomes impossible, and the only solution is to replace the coil.

Financial Benefits

UVC Germicidal Fixtures keep coils clean all of the time, enabling HVAC systems to perform as originally intended, and ensuring:

- System efficiency
- Longer equipment life
- Lower energy and maintenance costs

UVC Fixtures often pay for themselves in months and can help you save many thousands of dollars in on-going energy and maintenance costs. Good IAQ will increase performance, and reduce sick time in public spaces and enclosed buildings.



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Represented by:

