



**AMERICAN ULTRAVIOLET
COMPANY**

AMERICAN ULTRAVIOLET

High Output Commercial
& Residential UVC
Germicidal Solutions from
American Ultraviolet Company

Increase Efficiency

Prolong Equipment

Improve Air Quality

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Cleaning coils is like treating symptoms.
 Using UVC Germicidal Fixtures from
 American Ultraviolet Company, on the other hand,
 is actually more like curing the disease.



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HOW UVC HELPS

Efficiency & Safety

UVC Germicidal Fixtures increase the value of all air conditioning and air-circulating systems by maximizing system efficiency and prolonging blower life. In addition, by treating air that passes through your HVAC unit with ultraviolet light, you will reduce, or eliminate, DNA-based airborne contaminants (bacteria, viruses, mold spores, yeast, protozoa), and provide people in offices, and at home, with much healthier air to breathe. For more than 70 years, tens of thousands 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.

UVC and Filters

Though you still need filters, which can trap dust, pollen and other particles, to actually remove harmful bacteria and viruses from the air stream you need the addition of UVC light, which renders these microorganisms sterile, and therefore unable to reproduce. Without UVC, coils require constant cleaning, an expensive and inferior process. In fact, many cleaning techniques rely on toxic and/or flammable solvents that are dangerous, and that can diminish the life of the coil. Cleaning also frequently leaves material embedded in the center of the fin pack. Steam cleaning, in particular, can actually force growth deeper into the fin pack, compressing it so tightly that the only solution could be to replace the coil.

The Payback

UVC Germicidal Fixtures are a labor-free solution that will not harm occupants, equipment or furnishings in buildings or residences because they produce no ozone or secondary contaminants. And they keep coils clean all of the time, enabling HVAC systems to perform as originally intended, and ensuring system efficiency, longer equipment

life, and lower energy and maintenance costs. In fact, they'll often pay for themselves in only months and save many thousands of dollars in on-going energy and maintenance costs. In processing plants they'll also contribute to improved product quality, greater yield and longer shelf life. In addition, they play a very important role in improving air quality. UVC Germicidal Fixtures eliminate the awful odor and slimy build up associated with mold and bacteria that thrive when temperatures are between 50-100F, and when moisture is present, and that is unhealthy for all building and residential occupants. Healthier employees mean better productivity and less sick time off.

UVC Sterilizes DNA

UVC attacks DNA-based airborne contaminants, rendering them unable to reproduce.

Eliminator RPT™ irradiating air stream, coil fins, and drain pan.

TESTIMONIAL

"The lights are awesome. And I am most impressed with your service - the goods were here when you said they would be; the quartz sleeves arrived as replacements when you said they would; and the fixtures work better than you said they would. I have installed some in a very nasty sewage room where we have a wet HVAC system that we clean weekly so that it works properly. This room historically had the most horrible smell one could imagine. I installed your lights, and within 2 days the smell was gone. Your company is literally transforming our living space into a safer, more enjoyable place to work, and for that, I thank you. Your company has transformed our nastiest working environments into areas we can feel a little more comfortable in doing the nastiest jobs, and for that, we ALL thank you for your help in keeping us safe."

John
 Electrical Systems
 Department with a Major
 Hospital

WHY AMERICAN ULTRAVIOLET COMPANY

Our History

American Ultraviolet Company has manufactured UVC Germicidal Fixtures since 1960 – 30+ years longer than our competitors. More than 35,000 of these products have been safely operating in hospitals, laboratories, clean rooms, doctors’ offices, commercial buildings, food processing plants and residences throughout the world – any place a concern for clean air exists. American Ultraviolet Company is the clear leader in UV technology, and remains committed to providing the highest quality equipment at a fair price.

What Makes American Ultraviolet Company Different

UVC Germicidal Fixtures from American Ultraviolet Company are unique. They feature the highest High Output (HO) Lamps*, which provide even greater efficiency than lamps other companies offer. And our lamps don’t lose as much germicidal energy when temperatures fall within the HVAC system, enabling them to kill more mold and bacteria across a wider temperature and air velocity range than all others.

UVC Germicidal Fixtures from American Ultraviolet Company:

- Resist moisture, which prevents corrosion on lamp ends and electrical connections that can shorten lamp life (our fixtures actually outlive the lamps)
- Feature patent pending lamps that are the easiest to install and replace
- Contain lamps that offer 12,000 hours of operation (warranty)
- Are made, assembled and tested in the USA
- Can be used in unique custom in-duct and coil installations, for example, when very high volume air-flow situations exist
- Can be ordered with indicator lamps that notify customers when the lamp life has expired
- Are very easy to maintain – simply wipe down with a damp cloth when performing already scheduled filter cleaning – no additional maintenance is necessary

*(except internal mount Eliminator 14/24)

COMMERCIAL

American Ultraviolet Company manufactures a range of UVC Germicidal Fixtures that are ideal for commercial applications, including the Coil Clean (CC) Series, which includes the Coil Clean Rack System (CC-R), and the Duct Clean (DC) Series.

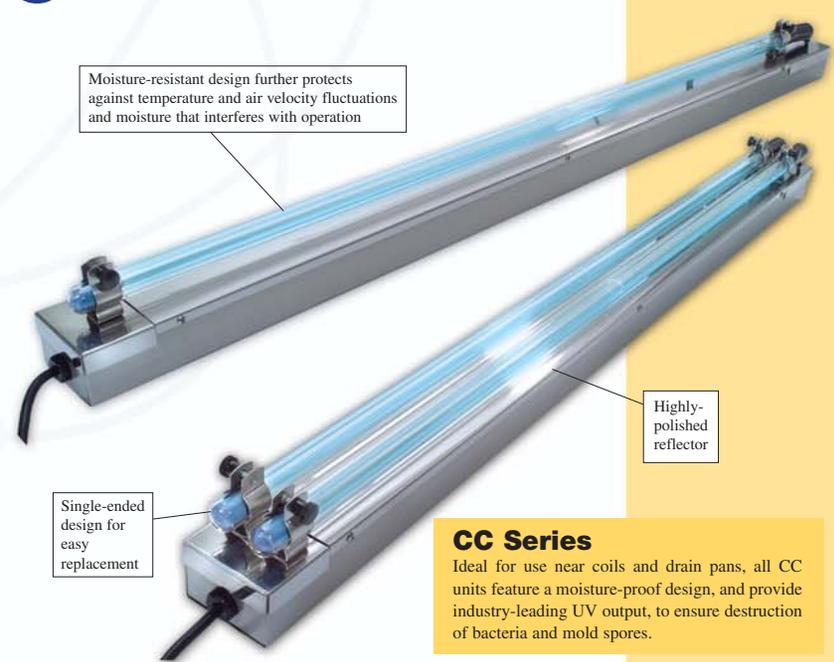
Located on the discharge side of the cooling coil, the CC series of germicidal fixtures expose the coil surface and drain pan to UVC light, eliminating DNA-based airborne contaminants by rendering them sterile, and therefore unable to reproduce. Mold and bacteria simply won’t build up or be introduced into the air stream.

In addition, Coil Clean UVC Germicidal Fixtures:

- Eliminate costly manual and chemical cleaning of mold and bacterial growth from coils
- Maintain coils like new – so no loss of cooling efficiency
- Extend life of blower because coils are clean and blower doesn’t work as hard to push same amount of air as would be required if the system was fouled
- Improve work environment, and productivity, because workers request less time off due to illness

CC Series Features:

- 12,000 hour lamp life
- High Output Lamps
- Easy to Install/Replace
- Stainless steel construction with polished reflector
- 120/230/277 volt HO ballast options allow worldwide operation
- 5 sizes: from 19-65” with single or dual lamp configurations
- Moisture resistant to prevent electrical connections from being rendered useless by moisture



CC Series

Ideal for use near coils and drain pans, all CC units feature a moisture-proof design, and provide industry-leading UV output, to ensure destruction of bacteria and mold spores.

CC-R Series Features:

- Simplified installation
- Single electrical connection unites all rack units
- Optimum coverage of coil face and drain pan with High Output UVC light
- Auto safety shut-off when access door is opened for maintenance
- Heavy-duty aluminum extrusion for maximum density in adverse situations

The Coil Clean Series includes a Rack System (CC-R Series) that allows UVC germicidal lamps to mount directly to custom-designed racks for large coil irradiation applications.

CC-R Series

Enables trouble-free installation when multiple CC fixtures are required. Simply install bolting frame to ceiling and floor, mount safety switches, and connect electricity to one single wiring point. CC-R setups can be shipped assembled for even faster installation.

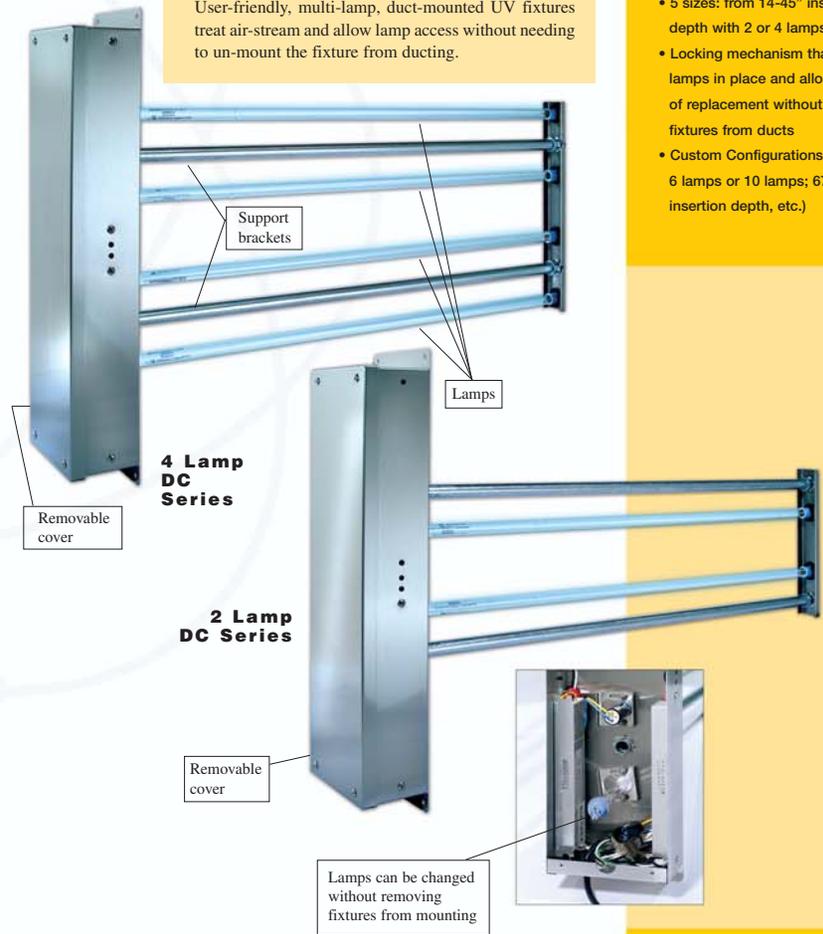


The CC-R Series is ideal for large installations and allows optimum lamp placement in non-standard coil configurations.

When air stream contamination by mold and bacteria is of greater concern, incorporate the Duct Clean (DC) Series UVC Germicidal Lamps, which can be used in conjunction with the CC Series, though they can also be used in place of the CC Series in space challenging situations that make it difficult to install the CC Series near the coil. DC fixtures are placed throughout ductwork and can also be incorporated into the return air stream.

DC Series

User-friendly, multi-lamp, duct-mounted UV fixtures treat air-stream and allow lamp access without needing to un-mount the fixture from ducting.



DC Series Features:

- 12,000 hour lamp life
- High Output Germicidal Lamps
- Easy to install/replace (do not need to remove fixture from duct)
- 2 or 4 lamps, with support bars, improve structural rigidity and assist in high velocity air streams
- 5 sizes: from 14-45" insertion depth with 2 or 4 lamps per fixture
- Locking mechanism that keep lamps in place and allow ease of replacement without removing fixtures from ducts
- Custom Configurations (e.g. 6 lamps or 10 lamps; 67" insertion depth, etc.)

Standard Features:

- 254nm UV-C energy to reduce, or eliminate, DNA-based airborne contaminants (bacteria, viruses, mold spores, yeast and protozoa)
- 12,000 hour lamp life (approximately 1 year)
- Ships complete with mounting bracket, hardware and instructions
- 120V operation with plug-in power pack
- High output UVC lamp
- 14" lamp length (16", 20", and 24" lengths are available)
- Patent pending RPT lamp design
- Easiest to replace lamps in industry (external access/no tools)
- 5-year warranty on ballast

Eliminator RPT™ Series lamps irradiate cooling coils and air streams inside ductwork, so mold and bacteria never have the chance to gather and disperse. The Eliminator RPT Series features exclusive, externally accessible, RPT high output lamps that plug directly into existing receptacles near your HVAC unit. These high output lamps provide twice the output of standard UVC lamps and are the easiest to replace in the industry – no tools needed and no need to remove panels. Sure Seal connectors also contribute to fast and easy ballast replacement.

Eliminator RPT™ Series

The Eliminator RPT™ Series lamps from American Ultraviolet Company are easy to install, efficient, economical to operate and have a patent pending design.

Ask about our optional UV-emitting shatterproof coating, which provides an additional level of security and can be used with all American Ultraviolet Company UVC systems. If broken, these lamps retain all fragments of quartz and mercury within the sleeve and maintain the sterility of the HVAC environment.

Eliminator RPT™ Series



Eliminator 14/24™ Internal Mount System

The Eliminator 14/24™ is ideal for use when a 120V receptacle is not available, as it runs off existing 24V power inside the HVAC system.

- Easy to install inside furnace
- Lamp change is easy upon removal of access panel
- 24V; 50/60 hertz, universal operation
- Moisture-resistant design
- 14" lamp

Odor Guard Deoderizing System

Quickly, easily and inexpensively eliminate unwelcome indoor odors wherever they occur: trash receptacles, bathrooms, pet bedding and litter box, attic, basement, garage, office, smoking areas, workshop, storage areas and more.

Simply plug the Odor Guard into any standard 120V outlet. That's it. The Odor Guard begins working instantly, and will effectively eliminate unwelcome odor for nine consecutive months. Then just change the lamp and it's good for another nine months. That's right. No filters. No scent cartridges to refill. No collector plates to clean. And, unlike room sanitizing sprays, the Odor Guard works 24 hours a day, without you ever noticing an uninvited odor.



Sapphire™



1 - Lamp

Sapphire™ Systems

The original residential coil treatment units from American Ultraviolet Company, these one and two-lamp units remain industry standards because of their stainless steel housings, high-output lamps, ease-of-installation and "lamp-out" indication visible through the housing. The two-lamp unit provides maximum UV dosage on a single coil for large systems.

Sapphire™ Systems feature:

- High output lamps
- 120V power input
- Simple installation
- 14-24" lamp options
- Lamp change without removal of housing from mounting
- Maximum UV dosage for large systems (two-lamp unit)
- "Lamp-out" indication



2 - Lamp

In addition to Germicidal UV Fixtures for HVAC applications, American Ultraviolet Company manufactures a wide range of commercial and residential ultraviolet products for use anywhere a need for clean air exists. Some of these products include:

TB Series

Enclosed TBE-Series

- Fan-assisted air movement
- Filters incorporated in units
- (2) High Output lamps per unit
- Enclosed for use in rooms where TB & CM series units are not an option



TB

- 75-300sq.ft. coverage (per unit) available
- Wall-mounted, louvered design to operate with personnel in room
- Stainless steel housing

Water Units

- 2-20GPM units
- Stainless steel housings
- Residential & light commercial applications
- Higher flow-rate units available

CM15

- 75-100 sq. ft. coverage (depending on application)
- Attractive design
- Mounts in corner of room

Mobile Room Sterilizer



- (8) 36" UV lamps for 360° UVC treatment
- 24-hr timer
- 2-minute delay "on"
- On casters for ease of movement from room to room

Safety Equipment

Goggles and glasses for eye protection when servicing or installing UV lights.



CLIENTS

Since 1960 American Ultraviolet Company has manufactured more than 35,000 effective products for use in commercial and residential environments. Following are just a few of the many companies we've proudly served:

- Albert Einstein Medical Center
- American Home Products
- American Cyanamid
- Anheuser-Busch
- Ayerst Laboratories
- Baxter Laboratories, P.R.
- Becton Dickinson
- Borden Foods
- Bristol-Myers
- Burbank Hospital
- Campbell Soup
- Children's Hosp. Med. Center of Boston
- Coca-Cola
- Cornell University
- Culligan Water Conditioning, Kingston, Ontario
- Del Monte
- Dr. Pepper/7-Up
- Dupont
- Eli Lilly
- Faberge
- Filtradin, Israel
- General Foods
- Gerber Products
- Guinness
- Heinz
- Hershey's
- Howard Johnson
- IBM
- Infectious Disease Research Institute
- Johns Hopkins University
- Kraft
- Laboratorio Chile S.A.
- Lederle Laboratories
- M&M/Mars
- Merck
- Methodist Healthcare of San Antonio
- Minute Maid
- Monsanto Company
- New York State Dept. of Health
- Ohio State University
- Ortho Diagnostics
- Pepperidge Farms
- Pepsi Cola
- Princeton University
- Proctor & Gamble
- Ralston Purina
- Safeway Stores
- 3-M
- Union Carbide
- U.S. Army, Air Force and Naval Hospitals
- U.S. Department of Agriculture
- U.S. Food & Drug Administration
- U.S. Veterans Administration Hospitals
- W. R. Grace



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Since 1960. It's all we do.

www.americanultraviolet.com

Distributed By:



American Ultraviolet Company

212 South Mt. Zion Road
Lebanon, IN 46052
(765) 483-9514
(800) 288-9288
Fax: (765) 483-9525

www.americanultraviolet.com



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Prolonged, direct exposure to UVC light can cause temporary skin redness and eye irritation, but does not cause skin cancer or cataracts. American Ultraviolet Company systems are designed with safety in mind and, when properly installed by a professional contractor, do not allow exposure to UV irradiation and allow for safe operation and maintenance.

HVAC CAT

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