

Indoor air as healthy as the great outdoors™

Ultraviolet Air Disinfection Systems

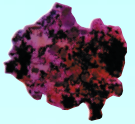


Ultravation™
Ultraviolet Technology

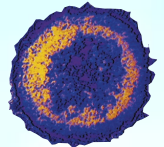


Sick again?

We have all seen a cold spread from one person to another in a home or office. Many kinds of **bacteria and viruses** pass through the air and they can thrive on the inside of



heating ventilation and air conditioning (HVAC) systems and associated filters. **Sick Building Syndrome** occurs when contamination has become so excessive, that infectious organisms permanently reside in a home or building.



Allergies?

Mold, one the most common allergens, is often found growing on HVAC system coils. If your allergies act up when you enter a home or building, it may be the biological growth in the air conditioning system that causes your reaction.

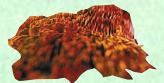


Odors in the air?

Persistent bad odors in a home or office is another problem that can often be traced to biological contamination in HVAC systems.

Is your air conditioning working harder?

Reduced air conditioning efficiency can be the result of bio-contamination on the HVAC coil—wasting energy and money.



Ultravation UV will help control bio-contamination in HVAC equipment and reduce airborne microorganism populations

An Ultravation UV system brings the natural disinfection power of sunlight indoors. Ultraviolet air disinfection will give your HVAC system an entirely new and important role in improving indoor air quality—for better health and allergy relief.

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Ultraviolet Air Disinfection...

A safe, easy and reliable way to make it healthier indoors!



10 Year UV System Warranty

Costs only pennies a day to operate



UV air disinfection reduces the number of infectious airborne microorganisms

The reduction of airborne microorganisms helps control the spread of colds and other illnesses that are transmitted through the air.

The EPA says that indoor air is one of the top five environmental health risks of our time...while the Centers for Disease Control offer guidelines for using UV in hospitals to reduce the spread of tuberculosis...

Ultraviolet light is well known to be germicidal (at certain frequencies). It is used widely to keep food and liquids germ-free during processing and packaging, and has been

built into aircraft ventilation systems to help prevent infections. Ultravation UV air disinfection equipment "floods" areas of an HVAC system with UV light. As air circulates through the system, it is disinfected, resulting in a dramatic reduction of airborne bacteria and viruses.

Mold is one of the top five allergens...

As an air conditioning system draws air, mold spores are drawn into the system, which accumulate and grow on the

wet AC coil. UV works to keep mold from growing on the coil, which helps prevent mold and mold spores from being distributed by the system. The constant re-circulation of air through the HVAC system helps keep mold growth throughout the home or building in check.

UV saves money, too!

Bio-contaminant build-up on an AC coil acts as an insulator. This causes the system to work harder to cool the air, wasting energy

One year UV lamp warranty

UVLampMonitor

- **Exclusive microprocessor control system**—Three-stage total UV status check, both audible and visible! Tells you in advance when lamps need replacement, when they have expired, and if for any reason, they should go out.

and increasing wear and tear on fans, compressors, motors and other components. Ultravation UV works to keep the contami-

nants off the coil, helping to optimize the efficiency of the system—*it's an investment that can pay for itself!*

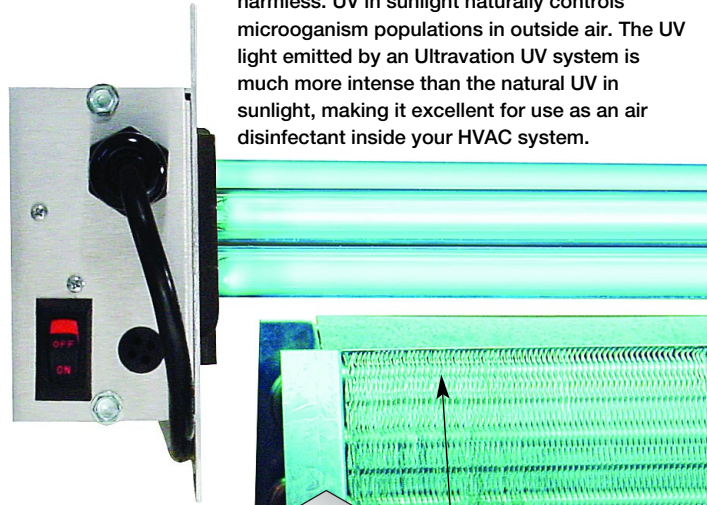
There is an Ultravation UV model to fit virtually any HVAC system—see back panel.

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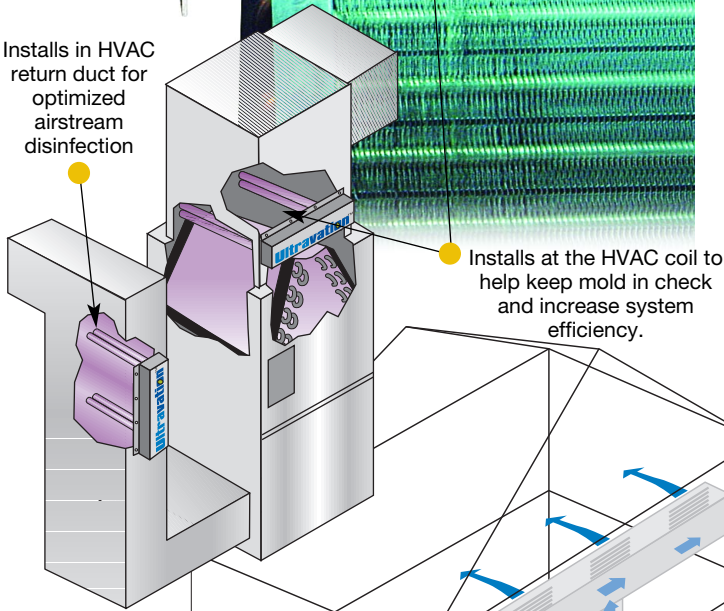


How UV works...

Ultraviolet light, specifically in the UV-C range (not the UV-A and UV-B ranges used in tanning) is germicidal. It penetrates a microorganism, reacts with its DNA, and causes the loss of reproductive ability—which renders the microbe harmless. UV in sunlight naturally controls microorganism populations in outside air. The UV light emitted by an Ultravation UV system is much more intense than the natural UV in sunlight, making it excellent for use as an air disinfectant inside your HVAC system.



Installs in HVAC return duct for optimized airstream disinfection



Installs at the HVAC coil to help keep mold in check and increase system efficiency.

A UV system can be installed in the air return, on the coil or at both locations

As air is recirculated through the HVAC system, it is re-exposed to UV.

Ultravation means innovative design for better performance, safety and features...

Ultravation UV systems are the most advanced UV air disinfection systems available, featuring:

- **UVLampMonitor** microprocessor control
Tracks UV lamp performance and lamp life with audible and visible alarm
- **ESP™** Electronic-Smart Power supply
Regulates and optimizes UV lamp performance. Far more efficient than old-fashioned ballasts.
- **PHILIPS** Compact-Twin “U” shaped UV lamps
Deliver twice the output of lamps of the same length. Maximizes germicidal action on AC coils and ducts. Most environmentally friendly UV lamp available, and generates no ozone.
- **T3™** Thermal Transfer Technology™ enhanced UV lamps
Maintains optimum lamp temperature to enhance germicidal action. Features Ultravation’s safety interlock system (patent pending). Non-ozone producing.

There is an Ultravation model for virtually any HVAC configuration and all types of AC coils.



▲ UVS-Series system with remote lamp. Two lamp system available that allows positioning lamps in two locations.



▼ UVS-Series system with integrated UV lamps. One and two lamp systems available.

Manufactured by:

Ultravation™

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www.ultravation.com

Members:



EPA establishment number: 074725-VT-001

We recommend that UV equipment be installed by trained professionals. For optimum performance, install in accordance with owner’s manual instructions and safety guidelines, as well as national and local electrical codes.

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