

# UVPhotoMAX™

UVPhotoMAX™ uses the power of UV light and an exclusive photocatalytic process to make the air in your home healthier. It reacts with and **destroys millions of bacteria, viruses, allergens—especially mold**—in the air circulating through your HVAC system.

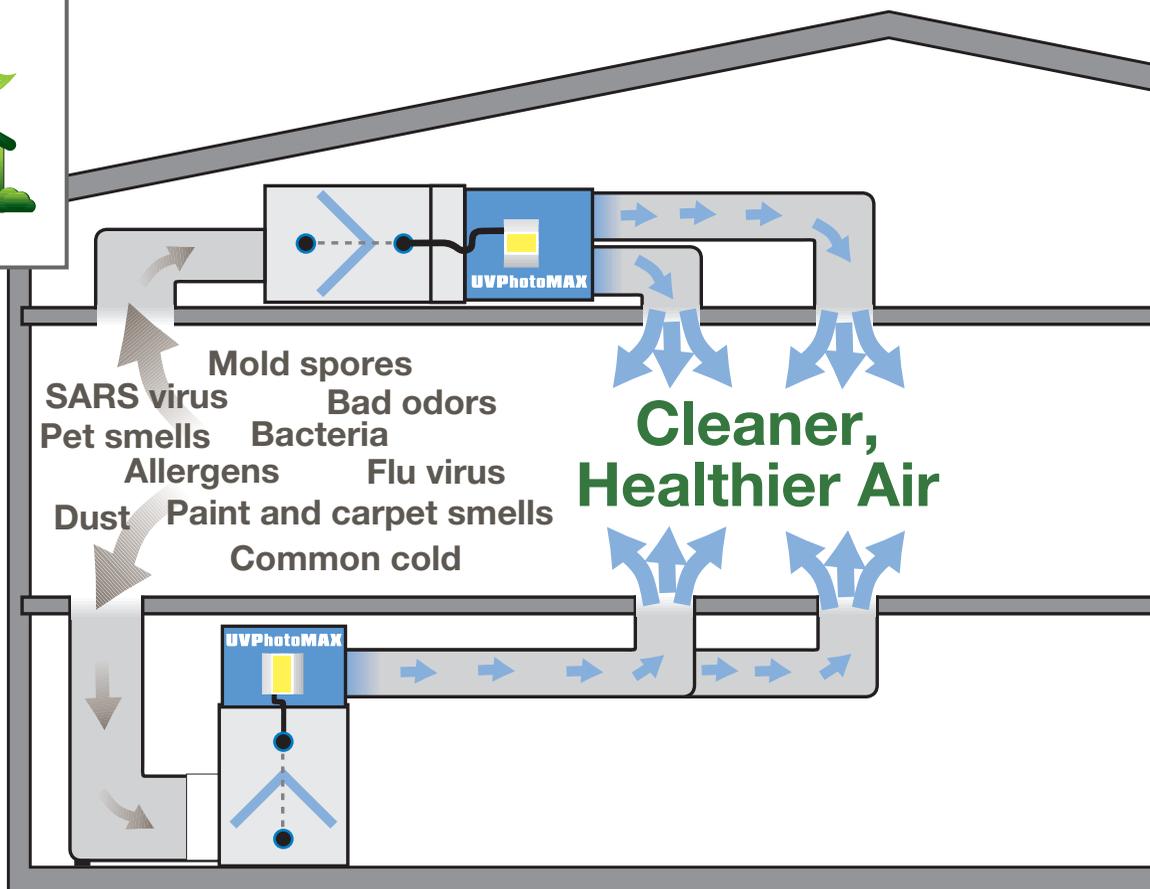


## Ultravation®

Professional Indoor Air Quality Products

[ultravation.com](http://ultravation.com)

And...  
make your home more "green" with UV light  
More inside...



# Add an entirely new dimension to “conditioning” the air in your home—for healthier air!



Bring the power of sunlight into your home to control germs and odors! You'll enjoy healthier, fresher air in every room.



Remove cooking smells



Get control of pet odors



Allergy relief especially from mold



Fewer germs in the air for fewer colds and illnesses

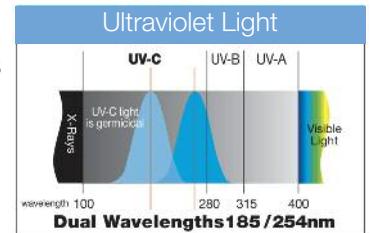
In the traditional sense, a household HVAC system adds great comfort to a home by cooling and heating the air, as well as controlling humidity. **With the addition of UVPhotoMAX™ your HVAC system can do much more!**

## UVPhotoMAX™

UVPhotoMAX installs in your HVAC system to improve indoor air quality (IAQ). It treats the air for bacteria, viruses, allergens, and odor contamination.

### • Germicidal UVC light to disinfect the air

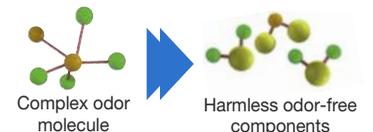
The UVPhotoMAX™ air purifier uses UV light to kill millions of airborne bacteria and viruses (including the flu). UV is a well known disinfectant, used since the 1930s in hospitals, doctors offices, pharmacy and food industries as well as water treatment. It simply inactivates microscopic organisms, rendering them harmless. It leaves no by-products and uses no chemicals. UV is a component of sunlight—nature's way of controlling airborne microorganisms.



UVPhotoMAX™ uniquely uses two wavelengths of UV-C light to kill germs and destroy odors.

### • ReFresh™ system destroys odors

At the heart of each UVPhotoMAX is the Ultravation® ReFresh™ advanced oxidation photocatalytic reactor, controlled by the Photon Clarifier\*\*\* for optimizing performance. Hundreds of odors from pets, foods, cooking, trash and garbage, paint, carpet, cleaning agents, plus musty damp smells from mold and mildew are broken down. All organic odors (from VOCs\*) are treated.



### • Relief for allergy sufferers

ReFresh™ advanced oxidation breaks up and destroys airborne mold and other allergens, too. When the optional EZ-Light 6P™ is installed and connected to the UVPhotoMAX base unit, airborne mold allergen caused by the typically moldy HVAC coils is *dramatically* reduced.

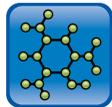
### • Save Energy with UVPhotoMAX

The **EZ-Light 6P™** remote UVC light option keeps mold and other bio-contamination from growing on the moist areas inside the HVAC system. Keeping the cooling coil very clean dramatically reduces mold allergen counts, and prevents biogrowth from clogging up cooling coil fins. Clogged fins insulate and restrict air flow causing the HVAC system to work harder, wasting significant energy.



# Ultravation utilizes the science of nanotechnology to create healthier indoor air for your home

**ReFresh™** advanced oxidation utilizes two bands of UV-C light and a special photocatalyst. It operates at the molecular level to stop odors and kill germs. It is compact yet powerful, able to treat the air circulating through the whole house.



Utilizing a proprietary formula, the Ultravation® ReFresh™ air purifying process brings the science of nanotechnology into indoor air quality improvement. Titanium Dioxide (TiO<sub>2</sub>) is used to promote an ionic discharge from the UVPhotoMAX™ metal oxidation chamber. This exclusive Ultravation photocatalytic germicidal system utilizes a two-band UV lamp, controlled by our patented\*\*\*

Photon Clarifier™. The result is a high efficiency germicidal system that produces plasma wavelength energy in the key bandwidths of 185 nanometer (NM) and 254NM. The system operates on the *molecular* scale, creating an oxidation process that quickly reduces or eliminates even the most stubborn odors, as well as killing millions of airborne pathogens including common viral flu strains, bacteria and mold spores.



The oxidation chamber extends inside the air duct, creating a disinfection and oxidation zone that the circulating contamination must pass through.

Approaching airborne bacteria, viruses and allergens are exposed to a lethal dose of UVC light.

The process is completed as airborne odors and microorganisms are broken down into harmless and odorless components.

**Made in USA**  
All Ultravation air purification products are manufactured in our Vermont facilities. See a manufacturing video and learn more about our products at [Ultravation.com](http://Ultravation.com)

### What is a VOC?

VOCs are Volatile Organic Compounds. They make up hundreds of household odors that are generated from common activities like cooking, cleaning and home improvement projects.

With UVPhotoMAX™, your “conditioned” air will be better than just more comfortable—it will be healthier to breathe!

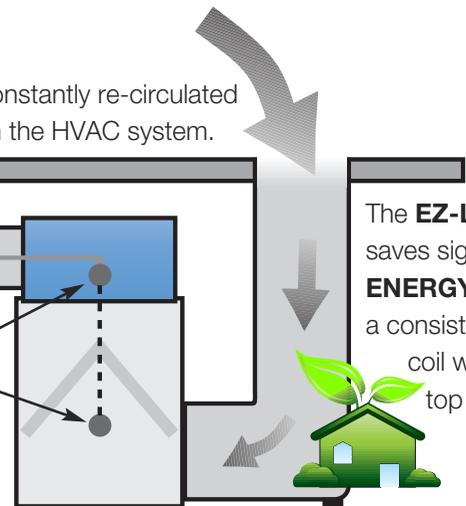
**UVPhotoMAX**

Air is constantly re-circulated through the HVAC system.



**EZ-Light 6P™** recommended option keeps coil clear of mold and other bio-contamination. A six-foot cord allows ideal placement above or below the coil depending on your locale. Stopping mold growth inside the HVAC system can be a great help for allergy sufferers!

The **EZ-Light 6P™** saves significant **ENERGY**, because a consistently clean coil works at top efficiency.



### Outdoor or rooftop HVAC?

The UVPhotoMAX - PT4X is rated for outdoor use, has the EZ-Light 6P option and a five-year warranty (excluding UV lamps).



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# Rugged construction, modular, expandable — and, UVPhotoMAX can reduce your energy bill, too! Make UVPhotoMAX™ your partner for better air!

**Save energy by extending your UVPhotoMAX™ system to clear mold and other biogrowth growing inside the HVAC system itself!** Install the optional **EZ-Light 6P™** remote UV lamp to prevent mold (a major allergen) from growing on the cooling coils and reducing HVAC system efficiency! The lamp is specially made to be powered directly by the UVPhotoMAX™ base unit.



The advanced oxidation process is powered by our specially designed **Dual-Spectrum UV lamp** and controlled by our patented\*\*\* **Photon Clarifier™** an Ultravation exclusive! The exact amount of treatment is adjustable based on living space, temperature, humidity, and other factors.



The **Photon Clarifier™** control inside the cabinet is adjusted during installation, based on size of your home and the particular HVAC system.

**EZ-Light 6P™** features include a 12" or 17" T3™ high performance germicidal UVC lamp, a UV shield that keeps UV away from sensitive areas, and optional magnet lamp mount.

**Energy efficiency and power**  
The state of the art ESP<sup>2</sup> electronic power supply runs cool and tightly controls the lamp operation for better efficiency, so the UVPhotoMAX uses very little energy itself.



10-year system warranty (UVLampMonitor equipped models. Excludes UV Lamps.)

### Viewport

The glow from the Viewport safely tell you that the UV lamp inside the UVPhotoMAX is operating.



## We recommend installation by an HVAC professional

UVPhotoMAX™ is a comprehensive system that will offer best performance when installed by an indoor air quality expert, who can help you evaluate your home's IAQ needs, your particular HVAC system, find the best location for the equipment and adjust it for peak performance. **Need to find a contractor?** Find one by visiting us at [Ultravation.com](http://Ultravation.com)

 All Ultravation products are designed and built in the USA

Member:



EPA establishment number: 074725-VT-001

**Indoor air as healthy as the great outdoors™**



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