

UVPhotoMAX™

Signature Series

Photocatalytic Air Purifier

Purifies circulating HVAC air

- Freshens indoor air
- Removes odors
- Kills airborne bacteria, viruses and allergens such as microscopic mold
- Decomposes VOCs



Ultravation®

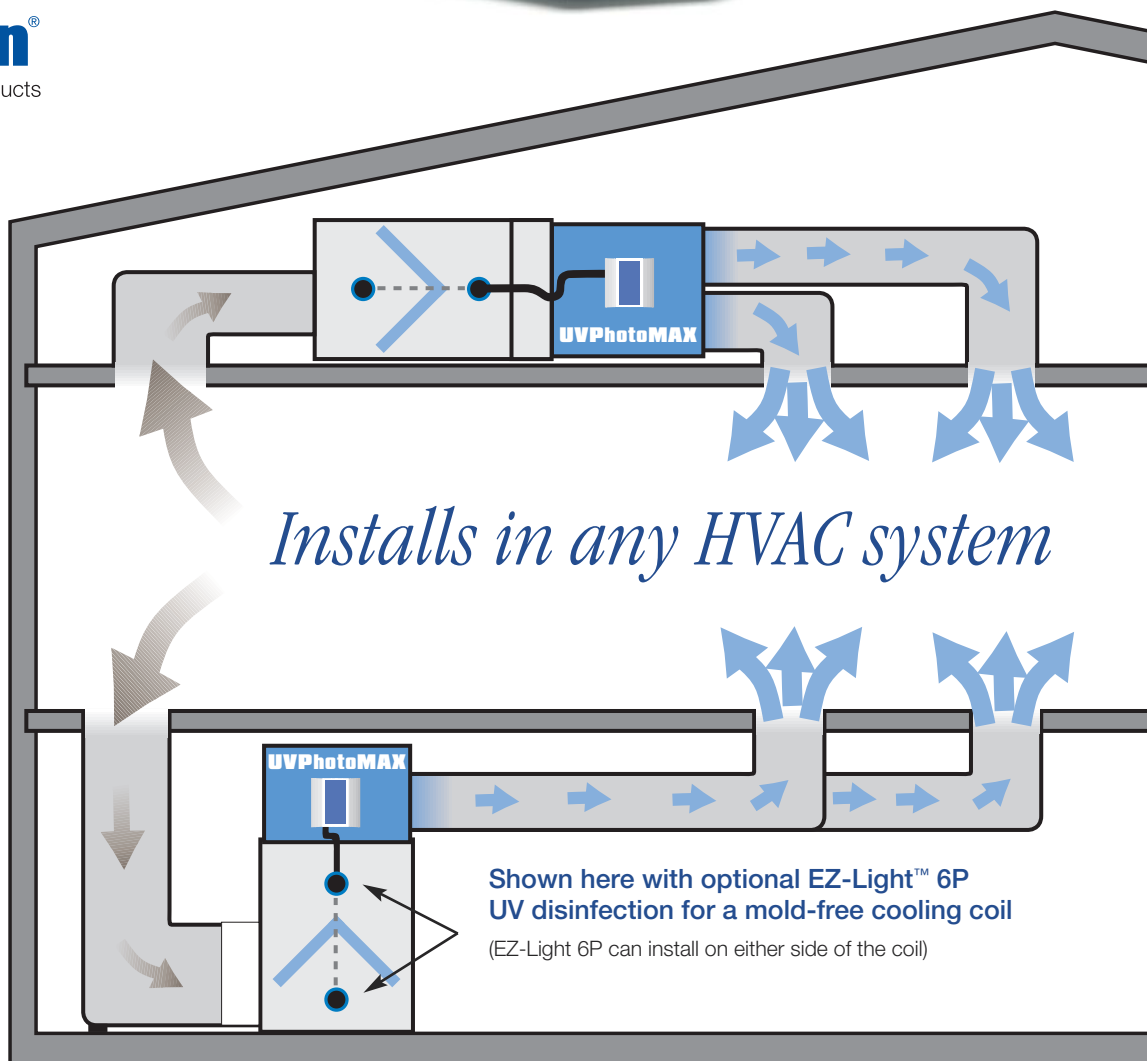
Professional Indoor Air Quality Products

ultravation.com

Make your
home more
“green” with
UV light
More inside...



Installs in any HVAC system



Shown here with optional EZ-Light™ 6P
UV disinfection for a mold-free cooling coil
(EZ-Light 6P can install on either side of the coil)



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

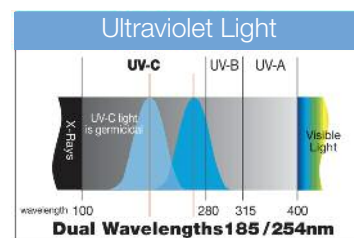
In the traditional sense, a household HVAC system adds great comfort to a home by cooling and heating the air, as well as controlling humidity. **With the addition of UVPhotoMAX™ your HVAC system can do much more!**

UVPhotoMAX™ Signature Series

Improves indoor air quality (IAQ) by removing odors, bacteria, viruses and allergens from the HVAC airstream!

• Germicidal UVC light disinfects 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.



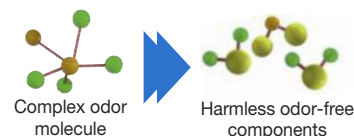
UVPhotoMAX™ uniquely uses two wavelengths of UV-C light to kill germs and destroy odors.

• 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

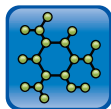
The **EZ-Light 6P™** remote UVC light option keeps mold and other bio-contamination from growing on the moist areas inside the HVAC system. Keeping the cooling coil very clean dramatically reduces mold allergen counts, and prevents biogrowth from clogging up cooling coil fins. Clogged fins insulate and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

Adjustable to fit your needs!

UVPhotoMAX™ Signature Series features the **Ultravation® ReFresh™ multi-patented** advanced oxidation photocatalytic reactor, that uses the science of nanotechnology to improve the air you breathe.



"Hydroxyl Radicals" are the key to eliminating odors

A scientific term, "hydroxyl radicals" are positively and negatively charged particles generated from the Ultravation **exclusive ReFresh™ titanium dioxide (TiO₂) formula**, and used in the **photocatalytic process**. The charged particles react with organic odors that happen everyday—such as odors from pets, foods, cooking, trash and garbage, new paint and carpet, cleaning agents, musty damp smells from mold and mildew—breaking them down. The **bad odors** you smell are made up of large scale and loosely bonded molecules that are simply broken down into harmless components by the **PCO hydroxyl radicals**—leaving behind simple, harmless non-organic components.

Multi-level oxidation for intense germicidal performance


Ultravation® UVPhotoMAX™ is the only air purifier that uses a **Dual-Spectrum UV**

Lamp System to super-charge the PCO oxidation process. This means that in addition to odor reduction, UVPhotoMAX has powerful germicidal capability. The system is highly effective at oxidizing not just organic molecules but airborne organisms such as bacteria, viruses and mold as well. UVPhotoMAX can destroy a bacteria's cell membrane, causing leakage of the cytoplasm, which results in the death and decomposition of the microorganism. As an example, the disinfection capability of titanium dioxide is three times stronger than chlorination when used in water treatment.

Adjustability regulates the process for perfect performance!

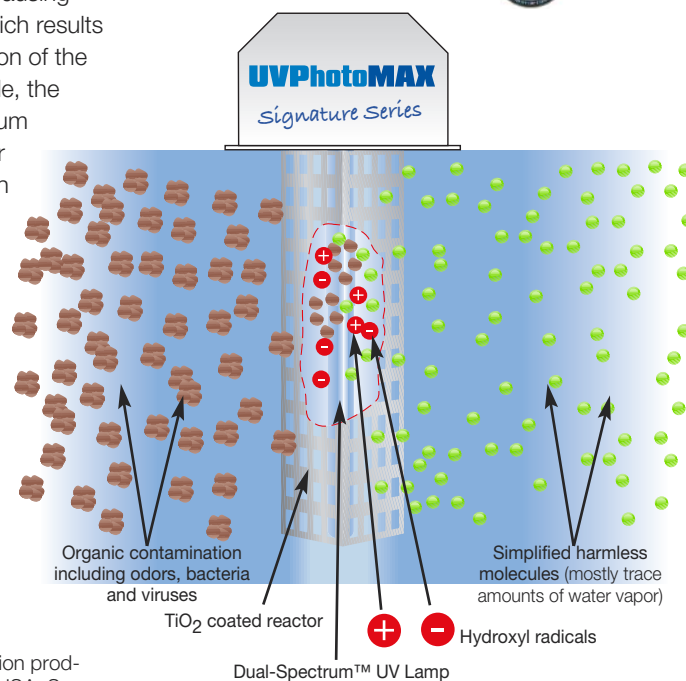
UVPhotoMAX lets you **fine tune the PCO process** to fit the size of the indoor environment and the amount of performance needed. Adjusts for square footage or air flow (CFM**) of the HVAC system.

Made in USA

 All Ultravation air purification products are manufactured in USA. See a manufacturing video and learn more about our products at Ultravation.com.



*** Protected under U.S. Patent #s:
6,809,326B2
6,838,057B2

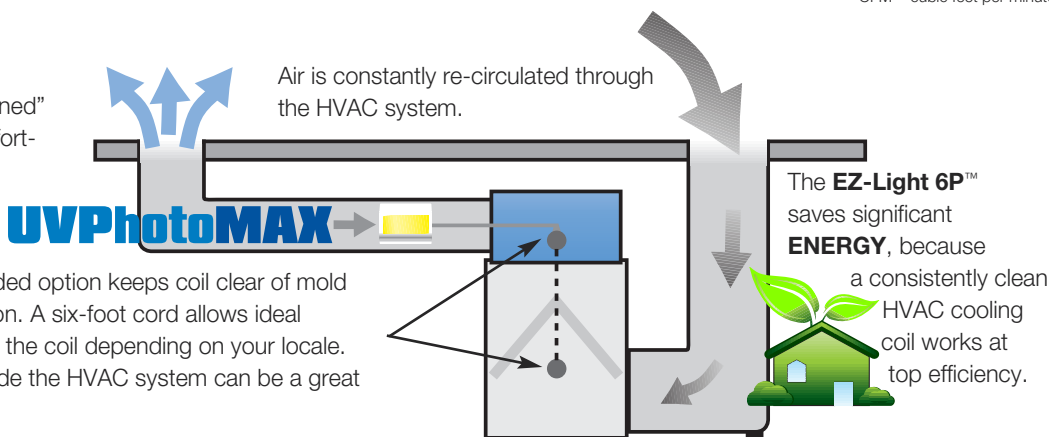


**CFM = cubic feet per minute

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



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!



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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*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.

Ultravation®
Professional Indoor Air Quality Products

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

Stainless steel, modular construction will provide many years of trouble free service, easy lamp changes and upgrade-ability!

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.



Save energy by extending your **UVPhotoMAX™ system** to clear mold and other biogrowth growing inside the HVAC system itself.

The optional **EZ-Light 6P™** remote UV lamp will prevent mold (a major allergen)



from growing on the cooling coils which reduces HVAC system efficiency! The EZ-Light is specially made to be plugged directly into the UVPhotoMAX™ power module.



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

Lifetime Warranty

Lifetime system warranty!
(Excludes UV Lamps)

UVLampMonitor / microprocessor control tracks system performance and reminds you when UV lamp(s) need to be replaced. Automatically shuts off at the end of useful lamp life (Maximum lamp life 18,000 hrs).



Energy efficiency and power

The state of the art ESP² electronic power supply runs cool and tightly controls the lamp operation for better efficiency, so the UVPhotoMAX uses very little energy itself.



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

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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