

UVCatalyst™

Whole house air purification system goes beyond filtration for cleaner, healthier air



Ultravation®

Better Air | Better Water | Better Living™



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



UVCatalyst™ Germicidal UV-C / Photocatalytic (PCO) Air Purifier

Remove air pollution far too small for any filter to capture!

UVCatalyst's patented formulation* uses nanotechnology to destroy airborne chemical fumes from VOCs, odors and biological contamination by literally breaking up their molecules into substances naturally found in the air. Nothing is added to the air such as ozone or chemicals!

- Air disinfection** 254nm UV-C light kills airborne bacteria and viruses — like those from coughs and sneezes as they circulate through the air conditioner. (See back page for disinfection test results.)
- Odor reduction** Cooking, pets, laundry, smog, bathrooms, trash, exercise rooms, pools.
- Breaks down potentially toxic VOCs** From cleaning agents to home projects, new carpeting and paint.
- Breaks down smoke** in the same way the photocatalytic converter in your car operates.
- Allergens** are captured and destroyed.
- Energy efficient!** Uses no more power than a small light bulb.
- Unobtrusive and silent** Installs out of the way in the HVAC system, and has no fans or blowers to add noise.
- Self-cleaning panels — never need replacing** The captured contamination is broken down, forming the normal components of air and released. This self-cleaning process keeps the activated carbon continuously ready to capture the next pollutant.
- Unmatched PCO Purification Power!** Three deep-bed activated carbon block modules, each infused with UVCatalyst patented* TiO₂ + silver and zinc formulation.

It's the most powerful PCO air purifier in its class!



* Patented Formulation
U.S. Patent 6,429,169



How Ultravation® UVCatalyst™ breaks down air contamination

Odors, bacteria, viruses and other complex airborne contamination are captured in the activated carbon modules

The contamination is transformed into simplified molecules that naturally occur in the air.



VOCs broken down

Volatile Organic Compounds (VOCs) are a common component of indoor air contamination.

Shortlived charged ions created by TiO₂ and UV light, attach to VOCs captured in the activated carbon blocks

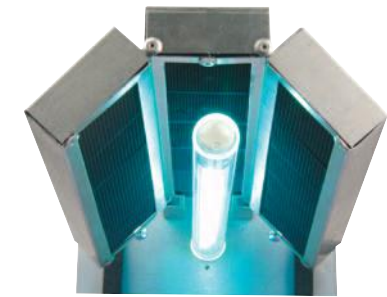
...breaking them up to form simplified molecules of mostly water vapor and CO₂

Pathogens / Allergens de-activated

Both photocatalytic oxidation (PCO) and the UV-C light that powers the process are germicidal. PCO destroys microbe membranes and UV-C light penetrates and destroys microbe DNA.



Most odors, bacteria, viruses and allergens pass through air filters. UVCatalyst™ adsorbs and breaks down odors and VOCs. It also kills germs and oxidizes allergens as they pass through your HVAC system.
(HVAC system illustration above is not to scale. Air contamination enlarged for demonstration)



UVCatalyst™ has three times more power than others to control germs and odors.
And working inside your HVAC system, delivers purified air to all air-conditioned spaces!

Recommended option for UVCatalyst EZ-Light 6P™

Germicidal UV-C light for HVAC

STOPS HVAC bio-contamination!

Keep your HVAC system from generating bio-growth including allergens, bacteria and viruses on its wet interior surfaces particularly the coil, drain pan and blower.

A second UV lamp creates a system that increases disinfection power

A second UV-C lamp in the HVAC airstream delivers a higher pathogen “kill rate”.

Reduces HVAC energy consumption

Bio-growth on wet HVAC coil fins acts as a heat transfer insulator that reduces HVAC efficiency. UV disinfection keeps the cooling coil clean and efficient 24/7, which reduces your electric bill. It can also help avoid potential water damage by preventing the HVAC drain from becoming clogged with sludge from bio-growth.

Powered directly by the UVCatalyst purifier, no extra ballasts or electronics to buy.



The EZ-Light 6P installs near the cooling coil. Its germicidal UV-C light disinfects the cooling coils, drain pan, blower and other surfaces.



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Uniquely effective, commercial-grade construction, and smart features...

(and you can save energy with the optional EZ-Light 6P™)



EXCLUSIVE 3-Panel Purification	The most effective PCO air purifier in its class!
HVAC airstream disinfection	UV-C light kills airborne pathogens / allergens
Whole house coverage	Up to 5000 sq. ft.
Ultravation T3™ UV lamp	40% more UV w/o increased power consumption
UVLampMonitor™	Displays system status and notifies when UV lamp needs to be changed (SS-UV-Catalyst)
Easily expanded	Quick connection for optional EZ-Light 6P UV lamp ¹ for extended disinfection or 2nd PCO module
Self-Cleaning	Captured contamination is processed and harmless molecules released
Commercial-grade construction	Premium components for maximum durability and longevity
Microprocessor control	Regulates power to optimize UV lamp performance and lifespan
Lamp status	LED UV lamp operation indicator
Power	Available in 24VAC OR 110-240VAC models
Warranty	Lifetime ² (SS-UV-Catalyst) Ten years ² (UVCatalyst) See owner's manual for full details

¹ See inside for expansion options.

² Excludes UV lamps.

UV-C Disinfection Effectiveness

UV-C light has been proven to inactivate a wide variety of pathogens in the air, water and on surfaces by breaking down microbe DNA. The graph at the right shows a small sampling of organisms that have been shown to be killed with 254nm UV-C light. UV-C is the only disinfection technology endorsed as effective by ASHRAE**

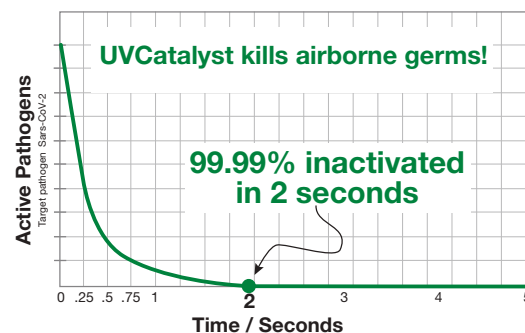
Ultravation Independent Testing

Independent testing has confirmed that Ultravation UV-C lights kill 99.9% of the SARS-CoV-2 virus that causes Covid-19 in 2 seconds!*

*Read the complete test reports at Ultravation.com

These products are not medical devices. Ultravation, Inc. makes no claim that they prevent or cure any disease. Ultravation, Inc. does not claim or suggest this product replaces any other precaution that should be taken against airborne pathogens. All guidelines of the CDC and EPA and other official authorities might recommend should be followed.

** ASHRAE is the American Society of Heating, Refrigerating and Air-Conditioning Engineers



Ultravation IAQ systems are highly versatile, which enables us to create a perfect fit for your needs.

Contact an **Ultravation Authorized Contractor**, our technicians are trained to evaluate your IAQ situation and your HVAC system. They can quickly create a solution specifically for you.



Warning: This product is sold only through and must be installed by professional HVAC contractors. Improper installation can result in damage to the UV system and/or HVAC equipment. Human exposure to UV light damages eyes and skin. This product is not intended for sale on the internet or in retail stores.



Manufactured by **Ultravation, Inc.**

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Ultravation reserves the right to change product specifications at any time without notice. The product images may not be an exact representation.

Ultravation is a member of these industry organizations:



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