

For odors,
airborne
bacteria,
viruses and
allergens



zerorez[®]
the right way to clean

Whole House
Photocatalytic
Air Purification
for HVAC

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Photocatalytic (PCO) Air Purification

Indoor air quality improvement that goes beyond filtration!



Allergy relief especially from mold



Cooking smells are reduced quickly



Get control of pet odors



Disinfects the air for fewer colds and illnesses

Odors, smoke, germs, mold and all types of volatile organic compounds or VOCs, are air contaminants too small to be trapped in your air filter.

Zerorez PCO air purifiers use **activated carbon** to capture (adsorb) microscopic contamination. UV light is then employed to power a **photocatalytic process (PCO)** that breaks the contamination down at the *molecular* level into harmless components.

Common household odors from sources such as

Pets

Foods

Cooking

Smog

Garbage

Paint and home project odors

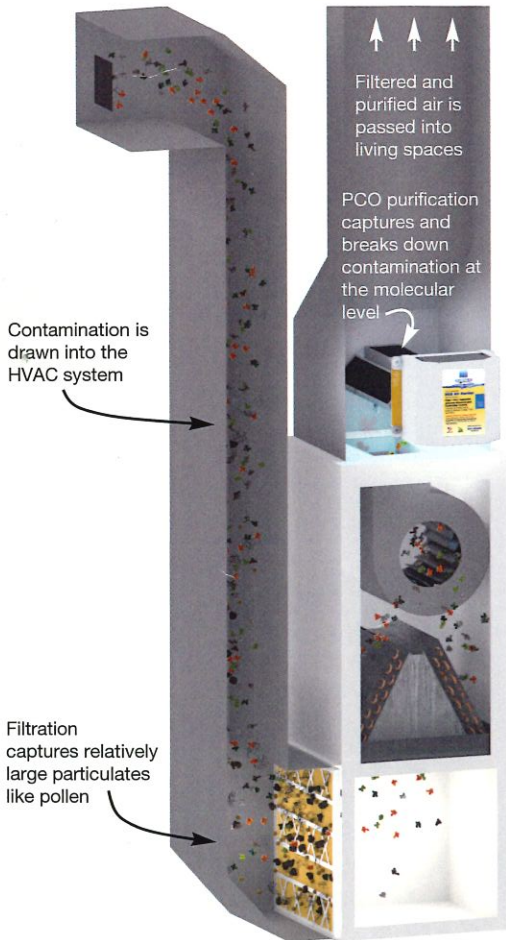
Cleaning agents

Musty laundry

Exercise rooms

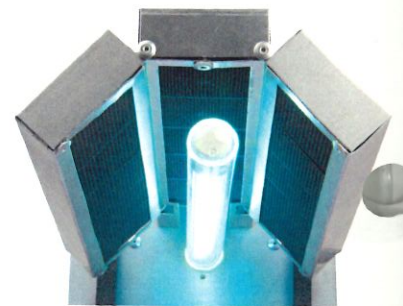
Garages

Pool areas...



Even bathroom and diaper smells are broken down as they circulate through your HVAC system. Since the purifier installs in your central HVAC system, your air is refreshed silently and unobtrusively in the background.

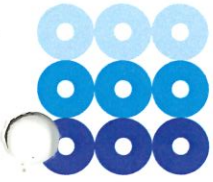
Zerorez PCO has three times more power than others to control germs and odors! A single purifier provides whole-house IAQ improvement for homes up to 5000 sq ft!



Most odors, bacteria, viruses and mold pass through air filters. Zerorez PCO purifiers adsorb and break down VOC odors, kill germs, and oxidize allergens passing through your HVAC system.

PCO system illustration above is not to scale. Contamination enlarged for demonstration

(for larger homes, Zerorez professionals will analyze your HVAC system and recommend additional units as needed)

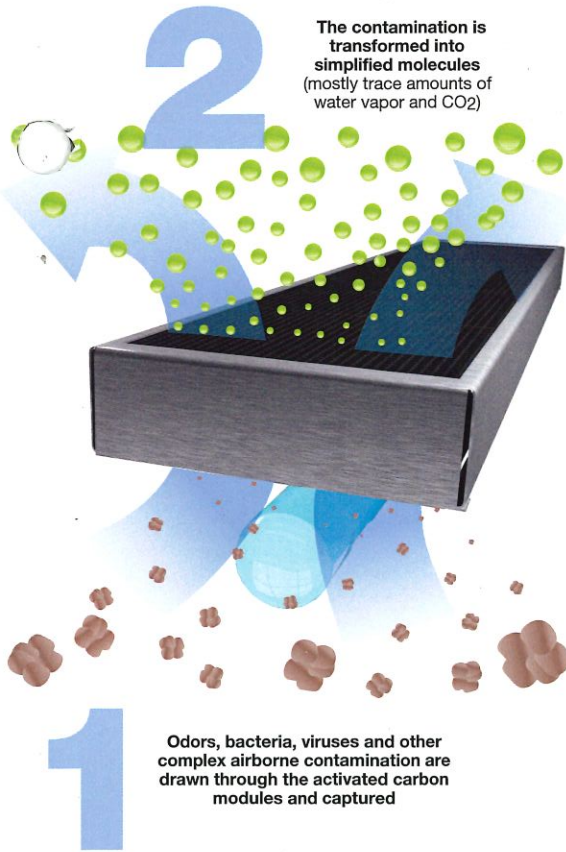


Zerorez purifiers utilize the science of nanotechnology to create healthier indoor air for your home

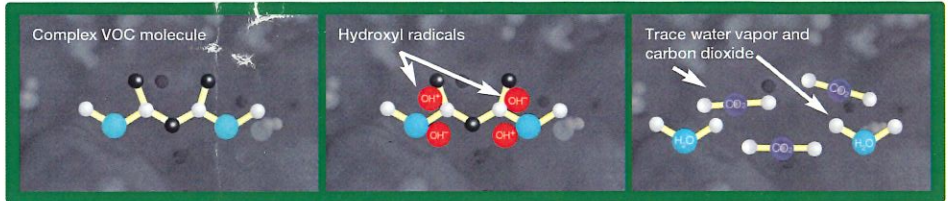


Zerorez PCO is ideal for whole house odor reduction and air disinfection to combat airborne bacteria, viruses and mold without adding anything to the air, such as perfumes or ozone.

Zerorez PCO uses nanotechnology, chemistry and UV light to purify the air!



The PCO process begins after the activated carbon captures air contamination:



A common component of indoor air contamination is the Volatile Organic Compound (VOC). VOCs are the molecules that make up the unpleasant odors we smell from cooking, pets, cleaning, garbage, bathrooms, musty basements—even new carpet and other construction activities.

Hydroxyl radicals are very short-lived charged ions created by TiO₂ and UV light. The ions combine with the contamination and break it up within the PCO carbon cell. The ions dissipate as they do their job breaking up air contamination.

The remaining components combine to form simplified molecules, mostly water vapor and CO₂ and the air you breathe not only smells great, it is much healthier too!

What is a VOC?

VOCs are Volatile Organic Compounds. They are the building blocks of odors that are generated from common household activities and other sources of unpleasant and sometimes toxic smells.

The expanding PCO Air Purification Module installs folded and then is deployed inside the HVAC duct for uncomplicated installation



Made in USA

Zerorez PCO Air Purifiers are made in USA by Ultravation, Inc. Poultney, Vermont



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the right way to clean

Zerorez® PCO Purifiers are uniquely effective, and combine commercial grade construction with smart features!

Rugged Steel Construction • Modular Design • Generates No Ozone

**Lifetime
Warranty**

Lifetime System Warranty
One-year UV lamp warranty

Powerful yet efficient

The state of the art electronic power supply runs cool and optimizes lamp operation for energy and air treatment efficiency.

Environmentally Friendly

UV leaves no by-products and uses no chemicals. It is a component of sunlight—nature's way of controlling airborne microorganisms.



UV Viewport
Confirms lamp operation

**Three-Panel
Activated Carbon
PCO Air Purification
Module**



Custom built in USA for Zerorez by Ultravation, Inc. Poultney, Vermont 05764 • Ultravation.com

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UPC-A

Model: **UVCAT-1200-ZR**



UVCAT-1200-ZR

Serial: **C17044259**



C17044259

Description:

TiO2 infused carbon PCO technology 120 VAC-240VAC Auto Sensing Voltage.
Includes 1-T3 lamp, ESP3 power supply w/ lamp status monitor system.
Upgradable to power 1 additional T3 lamp
for additional air or surface disinfection. Absolute zero ozone emission.

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