

Ultravation®

SOLARIS®



Carbon Capture Photocatalytic (PCO) Air Purifier for HVAC provides whole house air purification

*Enjoy fresher, healthier
air throughout your
home*

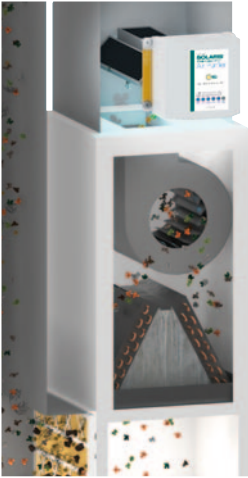
**Solaris IAQ
system
component**
*(requires
Solaris IAQ
System Control
Center)*



Bring cleaner air to your life™

Nanotechnology brings better air to your home!

Solaris PCO Air Purifier is ideal for whole house odor reduction and air disinfection using activated carbon, photocatalytic oxidation (PCO), and UV light to remove odors and kill millions of airborne bacteria, viruses and bio-growth!



Solaris PCO Air Purifier adsorbs and breaks down VOC odors, kills germs, and oxidizes allergens passing through your HVAC system.

Solaris PCO Air Purifier works at the molecular level and adds nothing to the air, such as perfumes, or ozone.

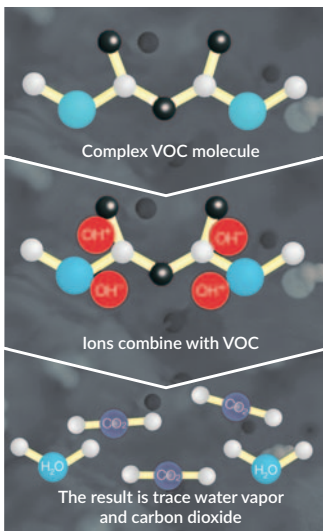
Its unique three panels of activated carbon cells provide the air-purifying power for whole house effectiveness. It installs out of the way and works silently in your HVAC ductwork.

Powered by UV light, photocatalytic oxidation has the power to destroy the large organic molecules.

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

Shortlived charged ions created by TiO_2 and UV light, attach to VOCs

...breaking them up to form simplified molecules of mostly water vapor and CO_2



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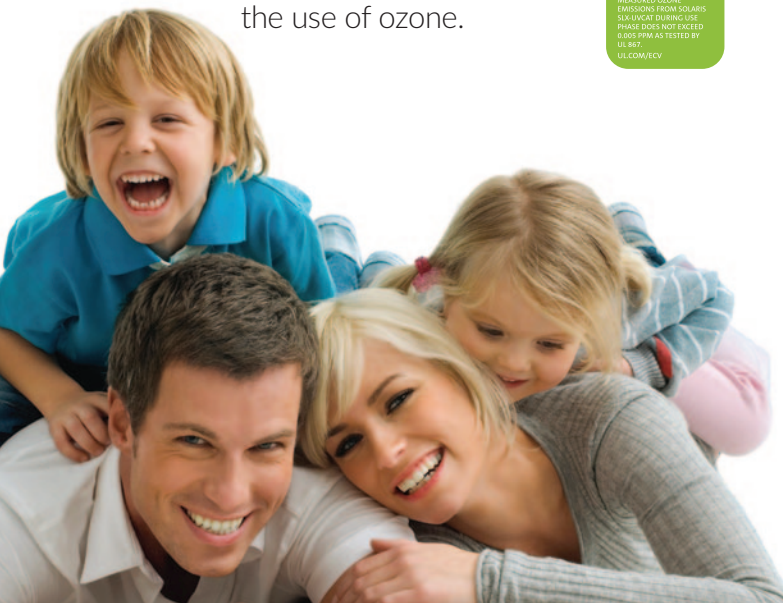
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Carbon Capture Photocatalytic (PCO) Air Purifier

- **Beyond filtration** Solaris PCO Air Purifier uses activated carbon to capture and break down all types of air contamination at the molecular level, including household odors from pets, foods, cooking, garbage, paint, cleaning agents, and musty damp smells.



- **Germicidal** UV and PCO work together to destroy bacteria and viruses in the HVAC airstream.
- **Allergy relief** Allergens, bio-growth and irritating VOCs circulating through your air conditioner are oxidized and destroyed in the PCO process.
- **No ozone** Solaris PCO Air Purifier oxidizes contamination breaking it down at the molecular level without the use of ozone.



A whole-house air purifier that uses activated carbon, UV light and a catalyst to destroy indoor air pollutants!



3-Year UV Lamp Life!

Did you know that 50 to 75% of air contamination in most homes is just too small for filters to catch? The **Solaris PCO Air Purifier** is designed to reduce the kinds of indoor air pollution that filters — even HEPA filters — can't capture!

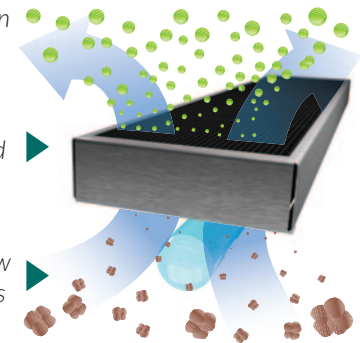
Solaris PCO Air Purifier focuses on the smallest air contamination such as viruses, airborne toxins and volatile organic compounds (VOCs) and odors. Activated carbon infused with a proprietary PCO formulation captures odors and microparticulates. The captured contamination is broken down to form normal components of air and released. The process self-cleans the activated carbon keeping it continuously ready to capture the next pollutant.



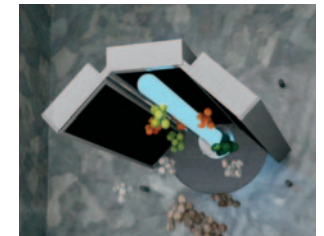
The titanium dioxide infused activated carbon 3X PCO Air Purification Module captures odors, VOCs, and airborne toxins

PCO plus UV breaks down common household odors and microbes leaving healthier, fresher smelling air.

Germicidal UV is emitted below the purifier to sterilize surfaces inside the HVAC system



Folded, the Solaris PCO Air Purifier installs needing just a **4.5-inch opening** in HVAC ductwork.



When installed, the Solaris PCO Air Purifier expands to **capture 3X more contamination** than other systems.

Removes common household odors:

Cooking	Bathrooms	Pools
Laundry	Pets	Trash
Smoke	Smog	All VOCs

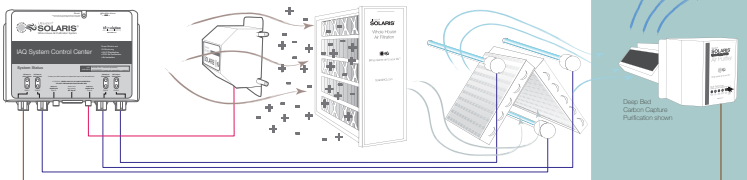
Indoor air as healthy as the great outdoors™

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SOLARIS®
 Whole House Air Purifier
 Solaris IAQ.com

Using the Solaris® PCO Air Purifier in a Solaris® Whole House Indoor Air Quality System

Household air with odors, allergens, VOCs and particulates of all sizes enter the HVAC system

Fresh clean air!



IAQ System Control Center

operates electronics and monitors UV lamps (required in all Solaris IAQ Systems).

Air-scrubbing Air Ionizer

groups micro-particulates for filter capture. Disinfects filter.

Hypo-allergenic filtration

for dust, dirt, and allergens. Also captures micro-particulates when used with an ionizer!

UV lights

disinfect the wet HVAC coil and drain pan, and kills bacteria and viruses in the HVAC airstream. Eliminating HVAC bio-growth, saves energy, too.

PCO Air Purifier freshens the air, breaks down odors, VOCs, toxic fumes, and kills airborne bacteria and viruses.



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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.



Solaris® air purifiers are designed and manufactured in USA by

Ultravation®

Better Air | Better Water | Better Living™

Ultravation, Inc. • Ultravation.com

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