

Whole House Indoor Air Quality Improvement

Ultravation®
SOLARIS®
Bi-Polar Air Ionizer
for HVAC



Bring cleaner air to your life™

Improving Indoor Air

There are millions of microscopic pollutants in indoor air that are too small for filters to capture

The Solaris Air Ionizer targets nano- and micro-particulates to reduce minute air contamination that can pass through filters as well as human defenses. The Ionizer:



Groups Microscopic and Nano Particulates



Removes Smoke



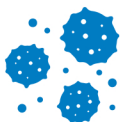
Reduces Odors & VOCs



Destroys Allergens



Kills Bacteria & Viruses



Stops Bio-growth

Ultravation®

SOLARIS®



Bi-Polar Air Ionizer for HVAC

It is great to experience the freshness in the air near a waterfall, after a summer storm, or just during a walk in the woods. The rushing water of streams, photosynthesis, even sunshine itself creates ions that naturally cleanse and rejuvenate the air.

Solaris Air Ionizer mimics nature to improve the air in your home or office in multiple ways:



Reduction of microscopic particulates

Very small particulates—too small for filters to catch—float in the air because they are so light. They can be dangerous because they can penetrate deep into the lungs, sometimes even entering the bloodstream. As these minute particles come in contact with the generated ions, they become charged themselves and attract into groups heavy enough to either fall out of the air, or be captured in filtration.

Reduction of bad odors and VOCs

The electrical charges also cause the molecules of common household odors and VOCs that come from cooking, bathrooms, laundry, cleaning products, smoking and many, many more to be neutralized or broken up.

Reducing viruses and bacteria

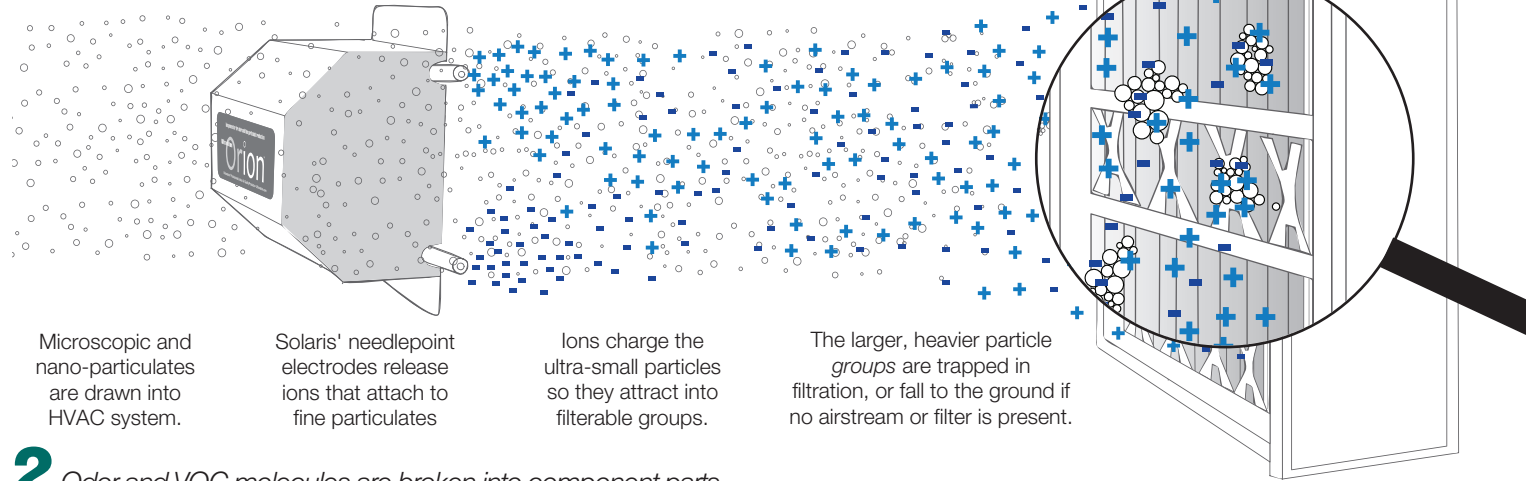
The ions generated are germicidal. Contact with bacteria and viruses in the air and on surfaces disrupts their chemical balance, and inactivates them.

Fresher, healthier air with SOLARIS® bi-polar ionization

How Solaris ionization reduces air contamination



1 Fine particulates are forced to gather into filterable groups



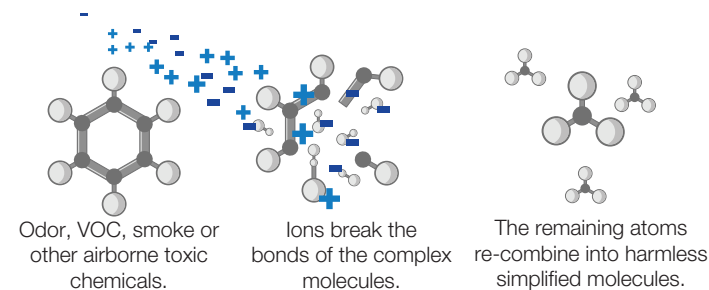
Microscopic and nano-particulates are drawn into HVAC system.

Solaris' needlepoint electrodes release ions that attach to fine particulates

Ions charge the ultra-small particles so they attract into filterable groups.

The larger, heavier particle groups are trapped in filtration, or fall to the ground if no airstream or filter is present.

2 Odor and VOC molecules are broken into component parts



Odor, VOC, smoke or other airborne toxic chemicals.

Ions break the bonds of the complex molecules.

The remaining atoms re-combine into harmless simplified molecules.

Strategic installation points—Solaris' needlepoint electrodes adjust to meet the need

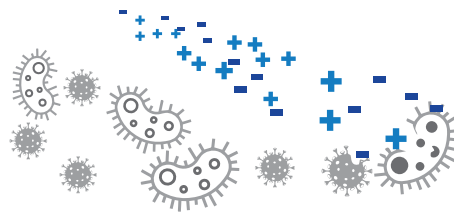


When installed near filtration, the grouped particulates are immediately captured by filter fibers. The ions also prevent microbial growth on the filter.



When installed near the blower, in the plenum or ducts delivering air to living spaces, odor and VOC reduction is maximized, and is the optimum location for air freshening.

3 Electrical charges disrupt the chemical balance of microbes



The electrical charge that ions bring to the surfaces of microbes causes reactions that inactivate them. The ions will affect microbes whether in the air or on surfaces.



Learn more at SolarisIAQ.com



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SOLARIS®

High Performance Ionizer Features



Bi-Polar Needlepoint Air Ionizer for HVAC

HVAC integration

Whole house effective! The HVAC system circulates all the air in the home through ionization for silent, even and unobtrusive indoor air quality (IAQ) improvement.

Ion generation

Friendly ions freshen the air and enable the capture of airborne microscopic particles that can pass through HVAC filtration.

Flexible IAQ solution

Can be used independently or in combination with other IAQ improvement products.

Reliable

Maintenance-free, no parts to replace. Constructed with rugged U.S. sourced steel. Lifetime warranty.

Adapts to any HVAC system

Connects to any 24 VAC transformer or any existing Ultravation® 24 volt IAQ product. 6 ft. quick release power cord included. Magnetic mount included. Wall plug-in adapter available.

How to buy Solaris Air Ionizer for your home

Solaris Air Ionizer is sold and installed by HVAC Professionals

Solaris Air Ionizer 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



Solaris® Air Ionizers are designed
and manufactured in USA by

Ultravation®
Better Air | Better Water | Better Living™

Ultravation, Inc. • Ultravation.com

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