



## Component Series Whole House IAQ Systems

### Optimizing indoor air for healthier living

Most people spend much more time inside their home than they do outside.

Optimizing your indoor air quality makes sense!

We have been designing and manufacturing products for indoor air quality improvement since 2000.

The Solaris component series IAQ products are specially designed to target the entire range of indoor air contamination issues from particulates to odors in one efficient, integrated IAQ system.

  
**SOLARIS®**  
[SolarisIAQ.com](http://SolarisIAQ.com)

# Silent. Unobtrusive. Yet no other approach to indoor air quality is more effective!

Solaris® Indoor Air Quality (IAQ) products install out of the way, inside your HVAC system and won't generate a whisper of sound. Each is designed to focus on a particular range of indoor air pollution, and each is *whole house* effective.

The Environmental Protection Agency states that the air quality inside of the average home can be five times worse than the quality of the air outside.

So why not have your HVAC contractor evaluate your air, and if needed, recommend an IAQ product or system for you. It's healthier, relieves allergies and can significantly reduce HVAC energy consumption.



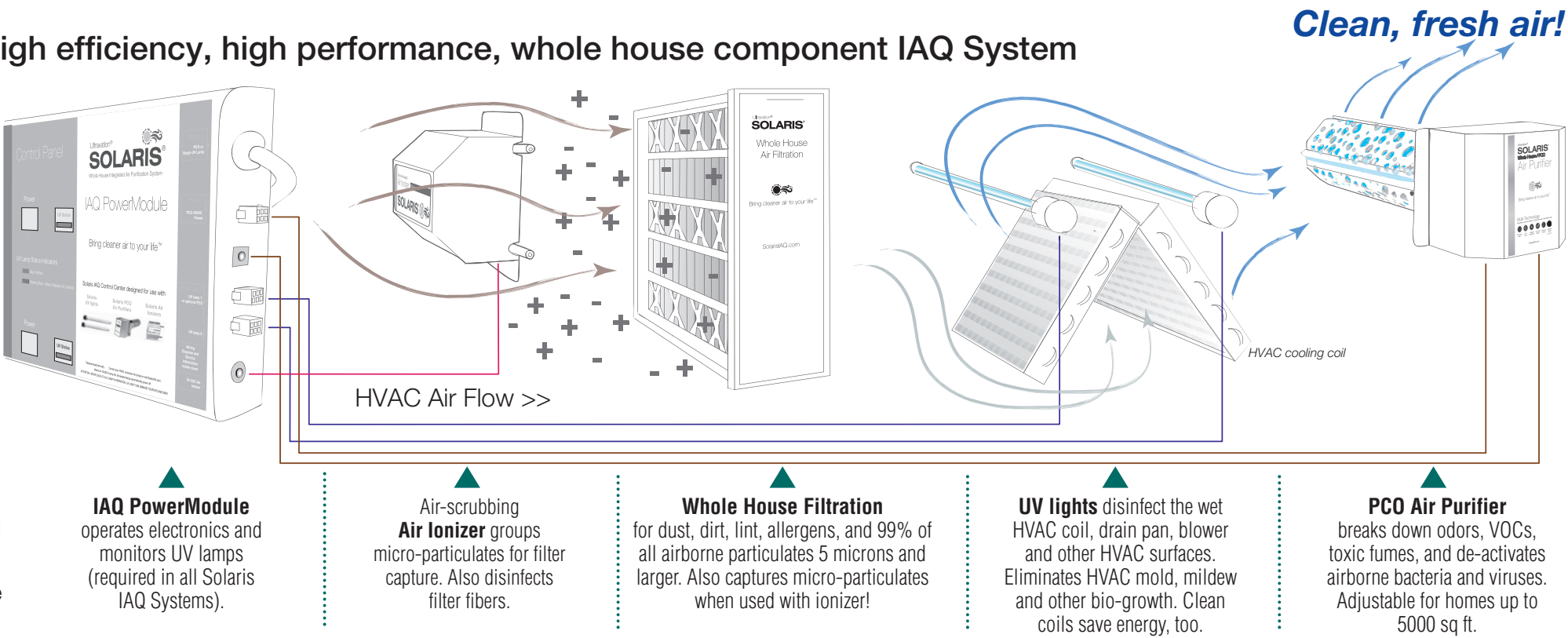
## The Solaris® high efficiency, high performance, whole house component IAQ System

The Solaris component IAQ system is flexible for customized effectiveness!

Such as including 1, 2 or 3 UV lamps or an additional odor reduction/air stream disinfection PCO purifier.

### One control center, efficient operation!

Check the status of all UV lamps and it all operates from a single power source.



See back page for product detail

## Whole house solutions for the entire range of indoor air contamination

A comprehensive Solaris® IAQ system utilizes several targeted removal technologies ultimately covering the full spectrum of indoor air contamination.

Your HVAC technician will strategically install IAQ devices as needed inside your HVAC system — at the locations where they will be most effective.



Eliminates Odors



Kills Germs



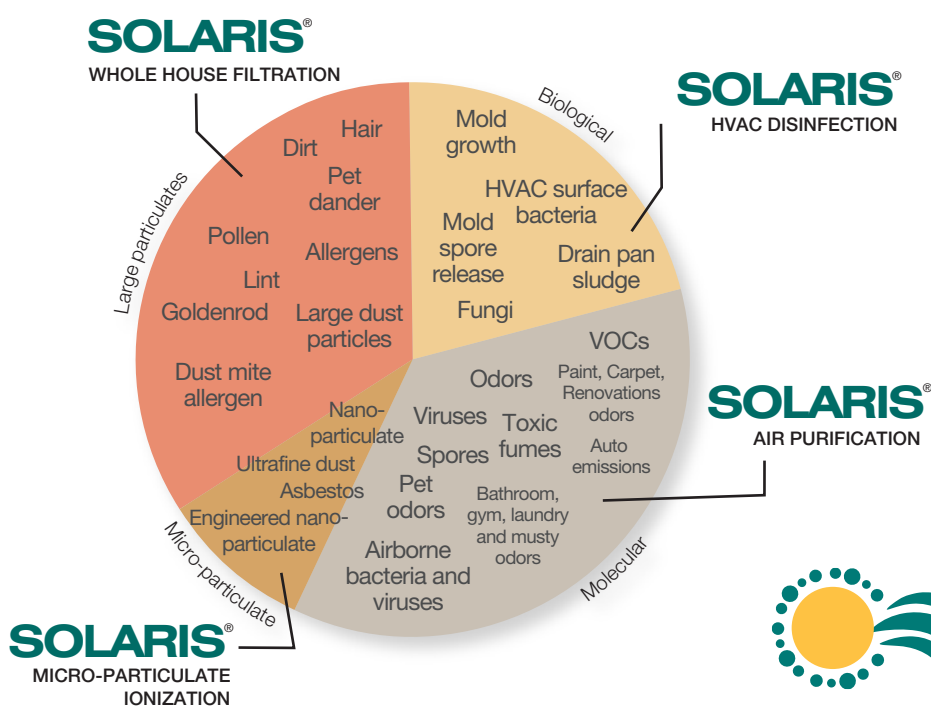
Allergen Reduction



Stops Bio-growth



Removes Smoke



Indoor air pollution runs from the visible to the molecular in size and in a variety of forms. It takes specialized engineering to develop sound methods for reduction in the various categories.

Ultravation designs and manufactures products for each category of pollution that can work independently or as an integrated system. As a system they are designed to complement each other to enhance the overall improvement in the freshness and healthfulness of the air you breathe and can even save energy. Solaris is sold only through HVAC contractors. **Call your favorite HVAC contractor today to learn more!**



# SOLARIS® IAQ products are specialized to control indoor air pollution of all types and sizes

## SOLARIS™ Micro-Particulate Capture

The Solaris Air Ionizer makes it possible to remove microscopic air contamination known as nanoparticles. They pass through filtration and are so small they remain suspended in air. The ionizer releases positive and negative ions, electrostatically charging these particulates causing them to group into large filterable groups.

### *The ionizer facilitates the removal of:*

- Smoke, smog, ultra-fine atmospheric dust, coal soot, tire wear and other dust from roads and agricultural/industrial activity.
- Engineered nanoparticles found in everyday items such as cosmetics, building materials and some fabrics.

The ionizer is best placed in ductwork upstream of filtration to best capture the grouped particulate. Ionization is also germicidal, which disinfects the filter.

## SOLARIS™ Filtration and Cabinets

Solaris brings outstanding performance to proven filter design.

- Approximately 30 square feet of pleated media in a 5-inch filter.
- Layered, shaped-fiber media with graduating density means huge capacity (6 month to 1 year lifespan).
- Layered media has low air flow resistance, and high capture efficiency.
- Continuous, hypo-allergenic Ultrastrand fibers — best for those with allergies. Captures 99% of pollen!
- Heavy gauge U.S. sourced galvanized steel is formed into rugged cabinets which are then powder coat painted for years of service.
- Seals tight with filter for maximum capture.
- 10-year cabinet warranty.

## SOLARIS™ UV lights—HVAC Disinfection

Germicidal UV light is an eco-friendly method to disinfect HVAC cooling coils, drain pans, blowers and other wet surfaces keeping them free of mold and other bio-growth.

- The HVAC system will no longer be a major source of mold allergen.
- Clean coils maximize HVAC efficiency and save energy.
- T3™ UV lamps provide 40% more UV intensity without increased power consumption.
- Lasts up to 18,000 hours, twice as long as typical UV lamps!

## SOLARIS™ PCO Air Purification

The Solaris PCO air purifier combines three technologies — UV light, photocatalytic oxidation and plasma ion generation to freshen, deodorize and disinfect the air. It features patented adjustability and an unsurpassed 247 sq. in. of PCO purification surface area.

- Destroys common household odors, VOCs and toxic fumes from cleaning agents, paint and pool areas, pets, bathrooms, laundry, exercise rooms and kitchens. Solaris PCO converts the complex molecules of odors back to the normal components of clean fresh air.
- UV and PCO work together to disinfect the HVAC air stream killing bacteria, viruses and allergens, reducing the chance of allergic reactions colds, flu and worse.
- Low maintenance/self cleaning. Simply install a fresh UV lamp after 18,000 hours of operation (every 2-years).



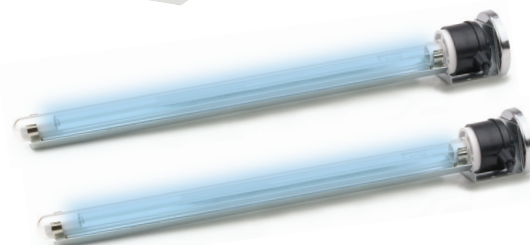
Twin adjustable electrodes

Stainless steel construction

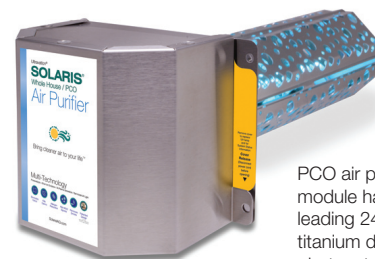


30 square feet of pleated and layered hypo-allergenic filter material!

Rugged galvanized steel and powder coat finish



Germicidal UV lights with 40% more UV



Stainless steel construction

PCO air purification module has an industry leading 247 sq in of titanium dioxide coated photocatalytic air cleaning surface area



**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.

**Ultravation®**  
Better Air | Better Water | Better Living™

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