

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—up to 90% according to the EPA.

Optimizing your indoor air quality makes sense!

At Ultravation, we have been designing and manufacturing products for indoor air quality improvement since 2000.

The Solaris Component Series indoor air quality products are specially designed to work together to improve the entire range of indoor air contamination issues—from airborne particulates to odors in one efficient, integrated IAQ system.



SOLARIS[®]

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 type of indoor air pollution, and the improved air is delivered to all air conditioned rooms by the HVAC system.

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 stop by to discuss your IAQ goals, and if needed create a customized IAQ system for you.

Consider improving your air today with Solaris: it's healthier, relieves allergies and can significantly reduce HVAC energy consumption.

Call your favorite HVAC contractor for a consultation today to learn more!



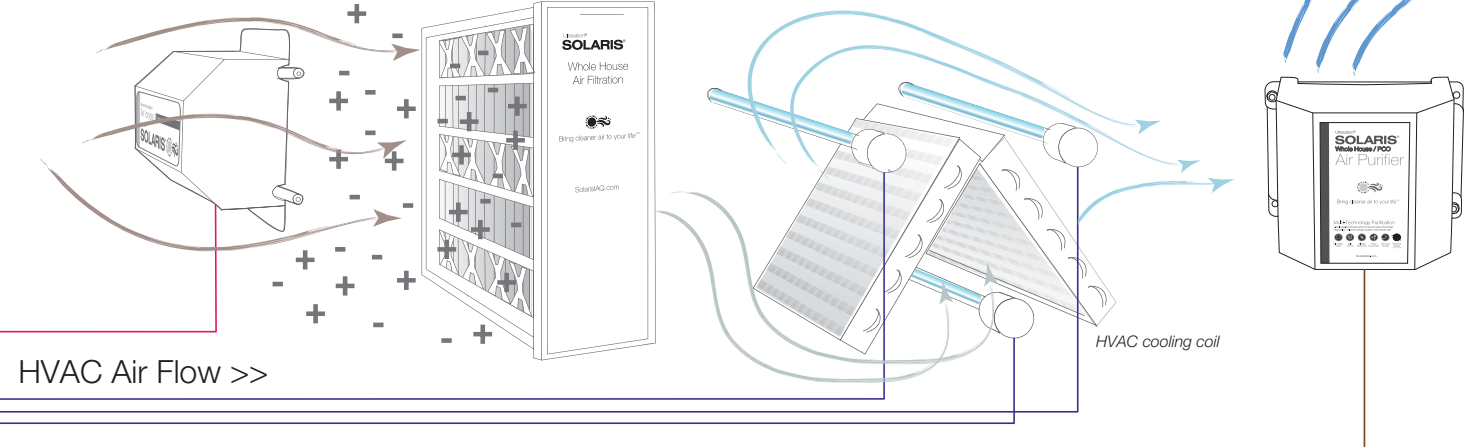
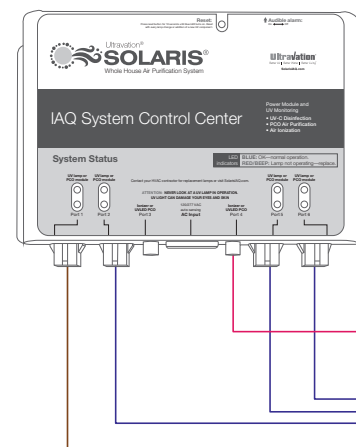
The Solaris® high efficiency, high performance, whole house component IAQ System

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!

A centralized power system saves energy, simplifies the installation, and centrally displays system status.



Cleaner, fresher air!

IAQ System Control Center powers electronic devices and monitors UV lamps. Readily installs in a convenient location for viewing status. Operates on standard 110 or auto senses up to 277VAC. (All Solaris IAQ Component Systems require an IAQ System Control Center.)

The Solaris air-scrubbing **air ionizer** groups micro-particulates for filter capture. Also disinfects filter fibers when installed adjacent to a filter.

Hypo-allergenic filtration for dust, dirt, lint, allergens, and 99% of all airborne particulates 3 microns and larger. Captures grouped micro-particulates when used with ionization! (Requires no power.)

Add multiple germicidal UV lamps as needed to disinfect HVAC coil, drain pan and other surfaces. A clean coil maximizes cooling efficiency which saves energy. UV-C light also kills bacteria and viruses in the HVAC airstream.

Add PCO air purifier(s) to freshen the air by breaking down odors, VOCs, and toxic fumes while killing airborne bacteria and viruses.

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



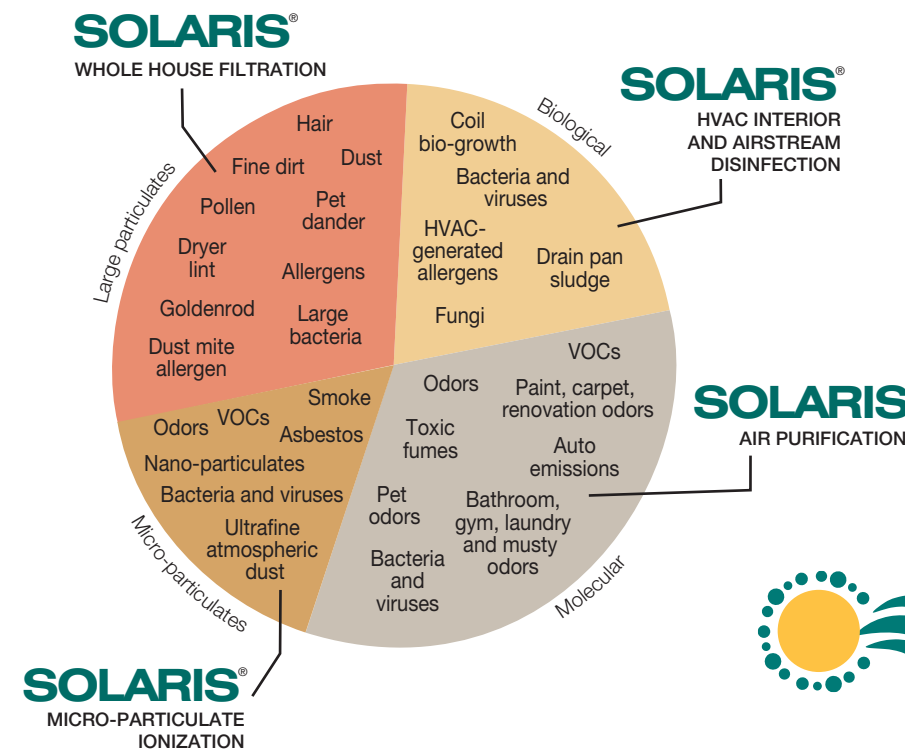
Allergen Reduction



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 that target each category of pollution. When combined, they augment and complement each other to create a powerful, wide ranging and efficient air improvement system. It will bring new freshness and healthfulness to the air you breathe — and even save energy. Solaris is sold only through professional HVAC contractors.

To learn more, call your favorite HVAC contractor today!





Indoor Air Quality (IAQ) Components

SOLARIS® Ionization for Micro-Particulate Capture

The Solaris Air Ionizer makes it possible to remove microscopic air contamination that passes through filtration. They also remain suspended in the air. The Solaris generated ions electrostatically charge these particulates causing them to gather into filterable groups.

The Ionizer facilitates the removal of:

- Smoke, smog, atmospheric dust, dust from roads and agricultural/industrial activity.
- Engineered nanoparticles found in everyday items such as cosmetics, building materials and some fabrics.

When practical, the ionizer is often placed in air ducts just prior to filtration to best capture the grouped particulate, and placing near a filter will disinfect the filter fibers. Other common locations include near the blower or in the plenum.



SLX-PG5T

Air Ionizer for fresher air and reduction of micro-particulates.

SOLARIS® Filtration and Cabinets

Solaris brings outstanding performance to proven filter design.

- More than 25 square feet of continuous, hypo-allergenic Ultrastrand fibers are formed into 5-inch pleats.
- Layered, shaped-fiber media with graduating density minimizes air flow resistance and gives the filter a very long life (6 months to a 1-year lifespan).
- Heavy gauge U.S. sourced galvanized steel is formed into rugged cabinets which are then powder coat painted for years of service. Sizes to fit any HVAC system.
- Seals tight with filter for maximum particulate capture.



SLX-MAC

Filters feature more than 25 square feet of pleated, layered, hypo-allergenic filter material!

Media air cleaner cabinet is made from U.S. sourced galvanized steel, finished with rugged powder coat paint.

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 bio-growth. They also keep the system clean 24/7.

- The HVAC system will no longer be a major source of HVAC-generated allergens.
- Continually clean coils maximize HVAC efficiency and can save significant energy.
- Ultravation® T3™ design UV-C lamps provide 40% more UV intensity without increased power consumption.
- Lasts up to 18,000 hours, twice as long as typical UV lamps!



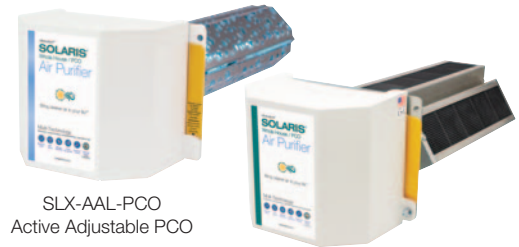
SLX-AAL-17

Germicidal UV lights with T3™ technology for 40% more UV

SOLARIS® PCO Air Purification

Solaris air purifiers use photocatalytic technology (PCO) to freshen, deodorize and disinfect the air. “Active” PCO models feature patented adjustability and industry-leading purification surface area. “Carbon-Capture” PCO models feature three deep-bed, activated carbon panels to capture contamination for PCO breakdown. Both systems feature the same patented* PCO formulation (TiO₂+silver/zinc) for the adsorption of indoor air pollutants.

- Energized by UV light, the PCO process destroys common household odors, VOCs and toxic fumes from sources such as cleaning agents, paint and pool areas, pets, bathrooms, laundry, exercise rooms and kitchens. Contaminants are transformed back to the normal components of fresh air which are released back into the HVAC airstream. This self-cleaning process means these purifiers require no maintenance, except periodic UV lamp changes.
- UV and PCO also work together to disinfect the HVAC airstream killing bacteria, viruses and allergens, reducing the chance of allergic reactions, colds, flu and worse.



SLX-AAL-PCO
Active Adjustable PCO

Solaris PCO air purifiers have an industry leading ability to remove odors, VOCs, and airborne microbes.

SLX-AAL-CAT
Carbon Capture PCO

SOLARIS® IAQ System Control Center

The “heart” of the Solaris IAQ System.

- The central control center makes the IAQ system convenient and efficient to install, use and service. No need to make a separate power connection for each component.
- Having a centralized power source saves energy and streamlines system connections for a high level of reliability and efficiency.



SLX-POWERPRO-4LV



Ultravation is an American Manufacturer in Brandon, Vermont.

EPA establishment number: 074725-VT-001

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

Manufactured by



Better Air | Better Water | Better Living™

Ultravation.com

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.



May be protected under one or more U.S. Patents: 8,809,326B2; 8,838,057B2