



INDOOR AIR QUALITY

PRODUCT GUIDE



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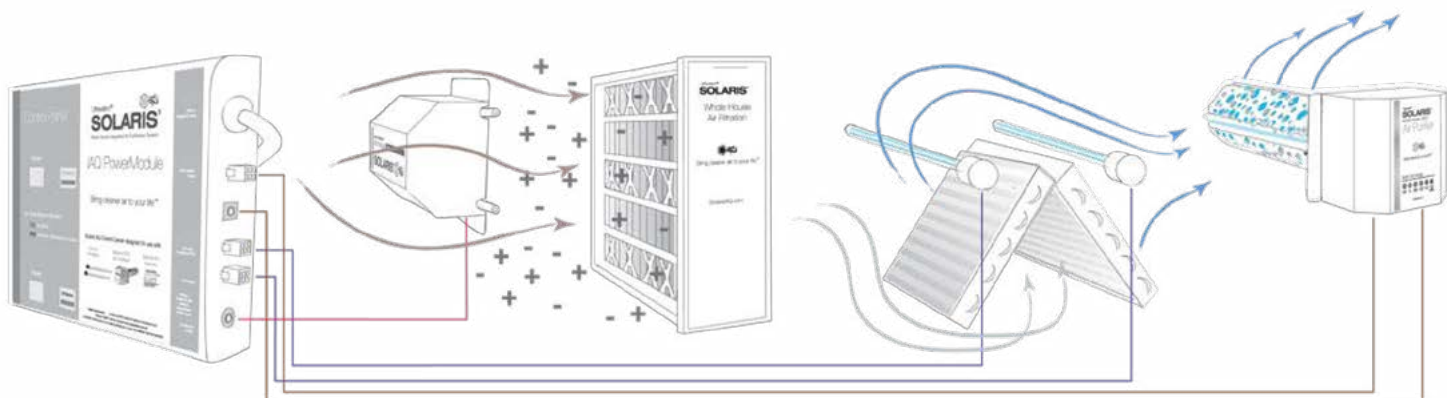
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SOLARIS WHOLE HOUSE SOLUTIONS



IAQ PowerModule

For convenience and efficiency, a Solaris IAQ system is powered and monitored by a single power module. This single connection to available power provides proper energy to each component. It also tells you the status of any UV lamps in the system.

Air Ionizer

For convenience and efficiency, a Solaris IAQ system is powered and monitored by a single power module. This single connection to available power provides proper energy to each component. It also tells you the status of any UV lamps in the system.

Whole House Filtration

For convenience and efficiency, a Solaris IAQ system is powered and monitored by a single power module. This single connection to available power provides proper energy to each component. It also tells you the status of any UV lamps in the system.

UV Lights

For convenience and efficiency, a Solaris IAQ system is powered and monitored by a single power module. This single connection to available power provides proper energy to each component. It also tells you the status of any UV lamps in the system.

PCO Air Purification

For convenience and efficiency, a Solaris IAQ system is powered and monitored by a single power module. This single connection to available power provides proper energy to each component. It also tells you the status of any UV lamps in the system.



Eliminates
Odors



Kills
Germs



Allergen
Reduction



Stops
Bio-growth



Removes
Smoke



Patented
Design

U.S. Patent 6,826,200; 6,826,202
 10/28/04; 6,826,203



IAQ SYSTEM CONTROL



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A COMPLETE INDOOR AIR QUALITY SYSTEM CONTROLLER

Convenience, efficient operation, smart monitoring.

The best way to effectively keep the air in your home cleaner, fresher, and healthier from top-to-bottom is to use devices that specialize in the various types of contamination found in household air. Using the HVAC system to collect air to be purified and to distribute the purified air makes great sense! So we design and manufacture IAQ products that excel in each category and place them strategically in the HVAC airstream. And, to add convenience and efficiency, Solaris IAQ products integrate into a centrally-powered and monitored IAQ system that operates completely unobtrusively and prevents the HVAC system itself from becoming a generator of contamination.

The Solaris IAQ component control center is the central power and status monitor for a Solaris integrated IAQ system. It is flexible for customized effectiveness and provides a central control panel for system-wide UV lamp status.

Lifetime Warranty

- Versatile for connecting the right combination of IAQ components
- Readily installs in a convenient location for viewing status.
 - Operates on a standard 110VAC outlet or auto-senses up to 277VAC.
- Includes visual and audible alarms that indicate UV lamp operational status and to remind when replacements are required.



AIR IONIZER

SOLARIS® MICRO-PARTICULATE AND AIR IONIZER

Air-scrubbing — facilitates the filter capture of ultra-fine particulates and disinfects surfaces

The Solaris Ionizer makes it possible to remove the microscopic particles known as nano-particulates that would otherwise pass through filtration. They are so small and light they remain suspended in air, are able to pass through normal breathing defenses, and can enter into the lungs. As these nano-sized particles are drawn into the HVAC system, the positive and negative ions from the ionizer statically charge them causing large groups of them to gather. The grouped particles are then captured by filtration.



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SOURCES OF FINE PARTICULATES:

- Smoke, smog, ultra-fine atmospheric dust, coal soot
- Fine rubber particles from tire wear
- Agricultural activity, including fertilization
- Industrial/construction/demolition activity
- Engineered nano-particles found in everyday items such as cosmetics, building materials—even some fabrics shed them
- Additional benefits to installing the Solaris Micro-Particulate Air Ionizer
- It contributes to the reduction of microbes, allergens, and some odors.
- When placed near a filter (recommended), the ions will disinfect the filter preventing microbial colonization.
- Lifetime system warranty.
- Readily installs in a convenient location for viewing status and access to a standard 110VAC outlet.
- Includes visual and audible alarms that indicate UV lamp operational status and to remind when replacements are required.

The Solaris® IAQ PowerModule powers and monitors these IAQ components.



FILTRATION

SOLARIS ADVANCED DESIGN AIR FILTRATION

Hypoallergenic, high-capacity , captures 99% of pollen

SOLARIS BRINGS OUTSTANDING PERFORMANCE TO PROVEN FILTER DESIGN.

Layered filter design captures an ultra-wide range of indoor air particulates with high efficiency, long life.

FILTER FEATURES CABINETS

- UltraStrand™ hypoallergenic media with continuous fibers. Important for those with allergies!
- Enjoy whole house air quality improvement.
- Each filter contains nearly 30 sq ft of folded/pleated high capacity filter media.
- Long life! Lasts 6 months to a full year.
- Filter fibers are shaped and electrostatically charged for superior particle capture. Layered fibers provide an even capture of debris through the thickness of the filter, keeping filter efficiency high while minimizing air flow resistance— reducing HVAC energy consumption!



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Available in two particulate capture performance levels

MERV 11 Professional Series		MERV 13 Premium Series	
Particle size in microns	Capture efficiency	Particle size in microns	Capture efficiency
0.3 to 1.0	1 —	0.3 to 1	75%
1.0 to 3	65%	1.0 to 3	90%
Larger than 3	85%	Larger than 3	90%



UV LIGHTS

UV LIGHTS FOR HVAC GERMICIDAL AIR TREATMENT

For disinfection to reduce bio-growth and increase HVAC efficiency.

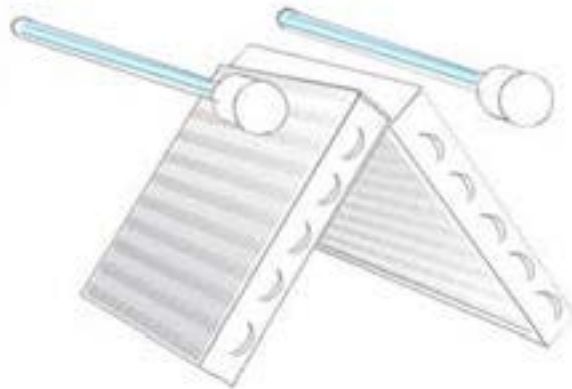
Germicidal UV light is a great way to disinfect HVAC cooling coils, drain pans, blower, and other wet surfaces, keeping them free of bio-growth.

- Prevents the HVAC system from becoming a source of allergens.
- Clean coils maximize HVAC efficiency and save energy.
- T3™ lamp design provides 40% more UV intensity without increased power consumption.
- Lasts up to 18,000 hours, twice as long as typical UV lamps!

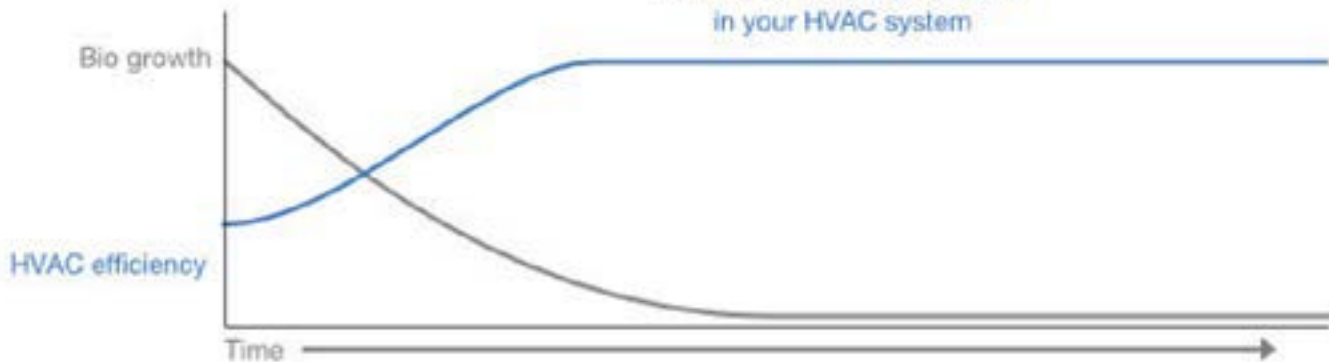
Solaris germicidal UV lamps installed at the HVAC cooling coil to disinfect the coil and surrounding surfaces including the blower and the condensate drain pan. One, two, or more are installed depending on the HVAC system.



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Benefits of installing UV lights in your HVAC system





UV LIGHTS



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WHOLE HOUSE AIR PURIFIER FOR HVAC

SOLARIS® Carbon Capture PCO Air Purifier with UVLED technology High Performance PCO Air Purifier with Activated Carbon-Capture Design

- Patented PCO formulation (TiO2 + Silver/Zinc Ions)
- Unmatched power with three PCO infused Activated Carbon Panels to destroy contamination
- Multi-pin ion-plasma generator freshens the air
- Long-life UVLED technology saves energy
- Purifies with air, using no ozone

The Solaris Activated Carbon / PCO Air Purifier for HVAC systems combines multiple air treatment technologies that work together to remove air contamination that is out of reach of even the best filters. No need for intrusive and noisy single-room air purifiers. Solaris uses the HVAC air circulation to process the air throughout your home for silent, even and unobtrusive IAQ improvement.

Breaks down household odors from kitchens to laundry rooms—even bathroom and swimming pool odors. Released ions kill bacteria and destroy viruses circulating in the air and on surfaces—including countertops. Microscopic and nano-particulates are gathered into larger filterable groups for unprecedented removal of microscopic airborne irritants not normally captured in filters.

Ionization freshens the air in the same way a summer storm cleans the air by destroying contamination. The 3-panel activated carbon system captures more contamination with its unprecedented surface area—more than any other purifier in its class.

Self-cleaning! The PCO process continuously restores activated carbon. Non-hazardous and environmentally friendly: No ozone is emitted; conforms to UL 2998 (3rd Edition, July 10, 2020) clause 6.2, emittance of ozone not exceeding a concentration of 0.005 ppm. Non-hazardous disposal with no mercury content. Ruggedly constructed, long lasting and highly recyclable. No plastic panels.



UV LIGHTS



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PCO AIR PURIFIER FOR HVAC

Odor, VOC and airborne microbe reduction, plus air freshening ions for Solaris Component IAQ System
Solaris air purifiers remove air contamination beyond the reach of filtration—improving the air at the molecular level.

Solaris photocatalytic (PCO) air purifier uniquely combines the technologies of germicidal UV light, photocatalytic oxidation, and ionization to breakdown the molecules of common household air contamination.

- Destroys household odors, VOCs and toxic fumes. These include odors from pools areas, laundry, bathrooms, kitchens—even trash bins and the family pet—as well as from products like cleaning agents, new paint, carpets, and other renovation materials.
- Germicidal UV, PCO, and ionization together disinfect the HVAC air stream killing airborne microbes, reducing the chance of colds, flu, and worse.
- Solaris PCO leads the industry with more than 200 sq inches of PCO purification power! Layered PCO surfaces are coated with a proprietary and patented titanium dioxide + silver/zinc ion PCO formulation to maximize pathogen and odor reduction.
- The Solaris PCO purifier is designed for homes and buildings up to 5000 sq ft. with adjustable oxidation levels that maintain maximum germicidal UV intensity at all times.
- The 4X Plasma Generator emits ions that freshen indoor air in the same way a thunderstorm freshens the air outdoors. The ions electrically charge microscopic dust particulates causing them to gather into grouped particles that either fall out of the air, or are captured in air filtration.
- Solaris' dual spectrum UV lamp exposes microbes to a lethal dose of UV-C light. The lamp's intensity kills up to 99% of germs instantly while breaking down chemical fumes and allergens.
- Commercial-grade US sourced steel and aluminum construction make the lifetime warranty possible on the Solaris purifier. The UV lamp has a 2-year life span and is warranted for the full 2-year lifespan.
- For use in a Solaris® whole house air optimization system.
- Integrates with comprehensive IAQ system
- Powered by and monitored in central PowerModule
- Full adjustability



Equipping HVAC Professionals to Succeed

Alabama

Anniston	105 E. D Street Anniston	(256) 241-3026
Auburn/Opelika	2295 1 ST Ave Opelika	(334) 734-8011
Birmingham	516 31 ST St N Birmingham	(205) 250-7714
Dothan	205 Wedgewood Dr. Dothan	(334) 836-1035
Gulf Shores	820 Commerce Dr. Gulf Shores	(251) 968-2660
Huntsville	391 Nick Fitchard Rd. NW Huntsville	(256) 859-2691
Loxley	30020 County Rd. 49 Loxley	(251) 964-2707
Mobile	5522 Commerce Blvd West Mobile	(251) 476-6285
Montgomery	861 Plantation Way Montgomery	(334) 262-4855
Muscle Shoals	107 Commerce St. Muscle Shoals	(256) 383-6904
Tuscaloosa	5030 Old Montgomery Hwy Tuscaloosa	(205) 632-7176

Florida

Fort Walton	76 Beal Pkwy. SW Ft. Walton Beach	(850) 244-2017
Panama City	3012 Lisenby Ave Panama City	(850) 913-0585
Pensacola	4405 N Palafox St. Pensacola	(850) 438-1005

Georgia

Albany	205 Baldwin Dr. Albany	(229) 432-5254
Augusta	3618 Wrightsboro Rd Augusta	(706) 651-1950
Athens/Bogart	105 Whitetail Way Bogart	(706) 548-4019
Atlanta	1290 Tacoma Dr. Atlanta	(404) 875-7755
Brunswick	275 Rose Dr. Brunswick	(912) 265-5193
Braselton (MEC)	5456 Dalton Ct. Braselton	(770) 967-3263
Columbus	6201 W Hamilton Park Dr. Columbus	(706) 322-3870
Conyers	335 Gee's Mill Business Pkwy Conyers	(770) 918-9132
Cumming (MEC)	2570 Business Dr. Cumming	(770) 781-5533
Forest Park	5158 Kennedy Rd. Suite C Forest Park	(404) 361-2474
Gainesville	2472 Hilton Dr. Gainesville	(770) 297-9335
Lawrenceville	2111 Cedars Rd. Bldg A Lawrenceville	(678) 442-1060
Lawrenceville (MEC)	111 Tanner St. Lawrenceville	(770) 963-6226
Lithia Springs	320 Thornton Rd. #106 Lithia Springs	(770) 948-3451
Macon	5527 Thomaston Rd. Macon	(478) 474-8544
Marietta	1060 Triad Ct. Marietta	(770) 426-0551
Marietta (MEC)	1050 Industrial Park Dr. Marietta	(770) 354-1174
Newnan	70 Enterprise Ct. Newnan	(770) 239-2105
Peachtree Corners	6675 Jones Mill Court Peachtree Corners	(770) 239-2100
Savannah	103 Central Jct. Blvd. Savannah	(912) 232-1228
Statesboro	126-A West Parrish St. Statesboro	(912) 764-8841
Valdosta	363 Connell Rd. Valdosta	(229) 245-8200
Warner Robins	110 Byrd Way Warner Robins	(478) 953-3727

Mississippi

Hattiesburg	1851 Lincoln Rd Hattiesburg	(601) 579-9670
Ocean Springs	5717 Suntec Dr, Sunplex Ind Park Ocean Springs	(228) 497-5090

South Carolina

Hardeeville	132 Red Oaks Lane Ridgeland	(843) 867-2143
Hilton Head	21 Hunter Rd. #3715 Hilton Head	(843) 689-3404