

Intensive Care for Indoor Air™

Photronic™

Comprehensive Multistage™ Air Purification

*Photronic™ is different. It's the only air purifier that removes **dust, allergens, bacteria, viruses, mold** and hundreds of **odors**—silently in one low maintenance system.*



100% Satisfaction Guarantee
(see back panel)



Sustainability!
Have a green home with Photronic™

More inside...

Ultravation®

Professional Indoor Air Quality Products
ultravation.com

Dedicated to indoor air quality *perfection...*

Studies have confirmed that an unintended result of today's "tighter" homes and increased use of HVAC systems has led to increased indoor air pollution. Now indoor air pollution levels can rise far beyond outdoor air—even 100 times more polluted!

Ultravation is dedicated to developing new ways to control indoor air contamination. Illness causing microorganism infestation, allergens and bad odors caused by VOCs* are all problems that can significantly affect the well being and comfort of every member of the household.

We are specialists in manufacturing products that help you effectively manage and optimize indoor air quality, while taking full advantage of all the energy saving "green" benefits you can bring to your home.

Our products are the result of studying the sources and causes of indoor air contamination. They combine proven techniques and new technologies to provide the healthiest air possible—simply and effectively.



Complete the process of creating the ultimate in home comfort and maximizing energy savings... by optimizing air quality, with Ultravation® indoor air quality products.

Ultravation®
Professional Indoor Air Quality Products

ultravation.com

*VOCs: Volatile Organic Compounds make up hundreds of household odors generated from common activities like cooking, cleaning and home improvement projects and even the family pet.

Treat your air for all the major sources of indoor air contamination: particles, germs and odors



Photronic™ is more than an air cleaner, it's a complete air purification system!

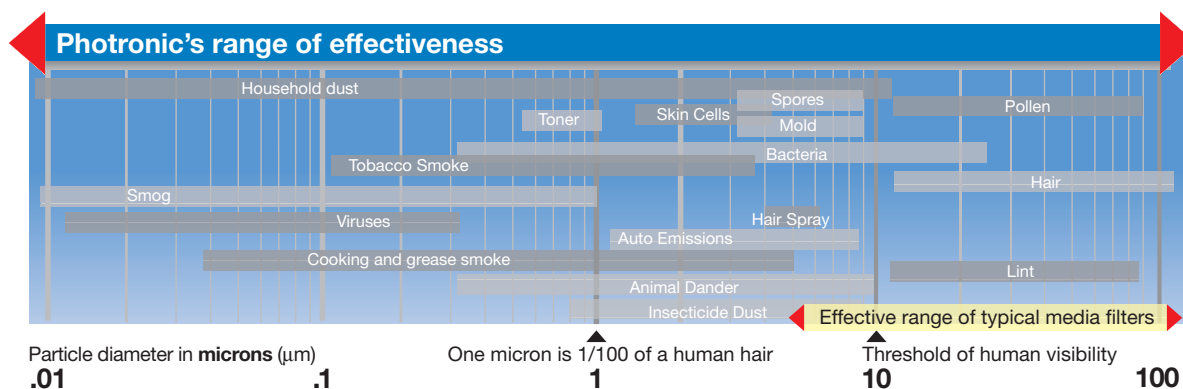
Beyond capturing airborne dirt, tiny dust particles, dustmites and allergens, it kills airborne bacteria, viruses, mold and breaks down hundreds of household odors!

Photronic air purification creates healthier, cleaner and more pleasant air throughout your home!

Photronic air treatment installs in your central heating and air conditioning system and expands the meaning of "air conditioning" beyond cooling and heating. Photronic adds a new dimension, improving comfort in terms of healthfulness, cleanliness—even improved energy consumption. It is completely unobtrusive, and it's absolutely *quiet!* It simply does its job during normal HVAC system operation.

Compare Photronic™ effectiveness for reducing allergens and pathogens

Photronic captures more than 99% of pollen; kills mold and other airborne microorganisms including bacteria viruses so small they can pass right through an air filter.



Photronic outperforms "high tech" electronic filters

Photronic™ offers much more, because it is effective against all types of indoor air pollution. It neutralizes odors, kills airborne germs, and stops allergens. And it does not need the frequent cleaning that electronic filters require.

It's automatic, easy to use, and requires minimal maintenance!

Photronic™ will deliver years of cleaner, more healthful air with easy maintenance. Its ProgressiveMedia™ filter can last up to six times longer than typical furnace filters. And it notifies you automatically when the UV lamp needs to be changed.

Superior filtration with a photocatalytic system to reduce odors and airborne microorganisms



Less dust to breathe in and clean up.



Traps allergens like mold and pet dander.

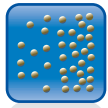


Kills millions of airborne germs and viruses.



Photronic neutralizes fumes from home projects, leftover cooking odors, even pet smells!

Why is Photronic™ a better air purifier? Because of its Multistage™ air treatment process!



Dirt, dust and allergens are captured in 32 square feet* of MERV 13 ProgressiveMedia™ air filtration

That's the filter capture surface area, folded into a pleated Photronic ProgressiveMedia™ five inch filter cartridge!

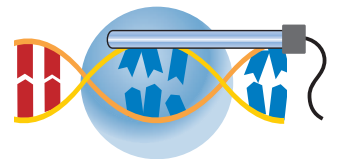
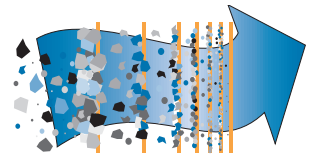
- Very high efficiency air cleaning—more than 99% efficient on pollen!
- Special layered construction provides exceptional dirt holding capacity.
- Features Ultravation® Ultrastrand™ fibers that maximize capture, filter efficiency, they are hypo-allergenic.



Stop mold growth and destroy millions of airborne germs with UltraMAX™ UV lights

Reduce illnesses caused by airborne bacteria and viruses!

- UV-C equipped Photronic™ models employ Ultravation's UltraMAX™ UV air treatment with the patented*** T3™ UV lamp system, to literally disinfect the air.
- UV-C light kills bacteria and viruses in the air stream and simultaneously halts mold and other biological growth on interior HVAC surfaces—which when uncontrolled can be a major source of bio-contamination of the air.
- UV-C light is highly germicidal yet generates no by-products!

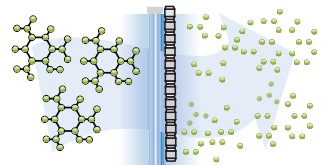


Photronic creates a healthier, fresher smelling and more comfortable indoor environment with ReFresh™ photocatalytic oxidation (PCO) system

Photronic's ReFresh™ air purification process, operates in much the same way a catalytic converter breaks down complex substances in a car's ex-

haust:

- The air passing through the ReFresh™ system comes in contact with a UV energized grid, coated with an exclusive PCO formulation containing titanium dioxide.
- The grid reacts with hundreds of odors (caused by VOCs**) and other organics including microorganisms and breaks them down into harmless and odorless components.



Photronic™ for a better outdoor environment, too.

Photronic keeps HVAC components much cleaner! This increases energy efficiency and saves money.

- Photronic costs no more to run than an economical fluorescent light bulb.
- The increased efficiency of the HVAC system has the potential to save far more energy than it consumes—lowering your home's carbon footprint.



*Models with 5 inch filters. **MERV:** MERV is *Minimum Efficiency Reporting Value*. It is the industry standard filter performance rating system.

****VOCs:** Volatile Organic Compounds. These are complex molecules that compose fumes released from many household items and activities—such as cooking, cleaning and painting. Also: odors from new carpet, household cleaners, plastics, even dry cleaned laundry (see back of brochure for a partial list of common VOCs).

***U.S. Patent Nos. 6,809,326b2 6,838,057b2

Photronic™ provides whole house air purification—and is built to commercial grade standards!

Photronic™

With ruggedly built cabinets, state of the art electronics and components, Photronic air purifiers feature a 10 year warranty***.



***See warranty card for complete details



UltraMAX™ Germicidal UV Lamps install in ductwork or air handler.

UltraMAX



Energy efficiency and power!

State of the art **ESPII™** electronic power supply runs cool and controls lamps better, saving energy.



Inside, **32 sq. ft.** (ST models) of **Ultravation® MERV 13 ProgressiveMedia™** captures and holds large quantities of dirt, dust allergens and microscopic particles.

Convenience and Safety—UVLampMonitor microprocessor control triggers audible and visual alarms to remind when to change the UV lamp, or to notify if the lamp goes out.



ReFresh™
Photronic™ ReFresh™
photocatalytic odor reduction grid.



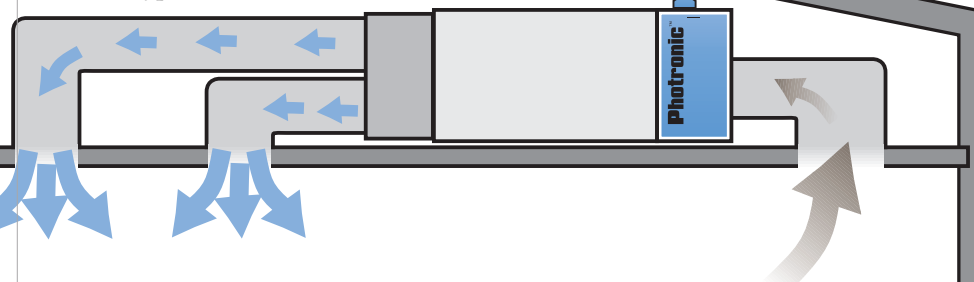
Made in USA

All Ultravation air purification products are manufactured in our Vermont facilities. See our manufacturing video and learn more about our products at Ultravation.com

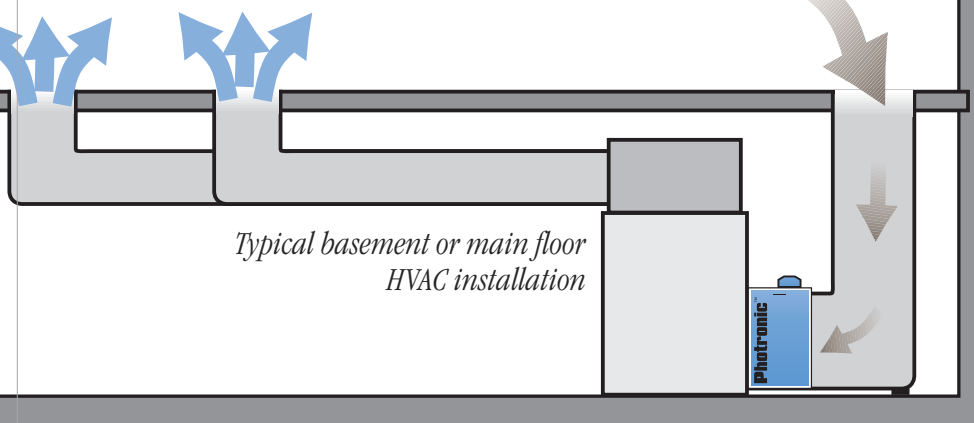


Scan this QR code with your smart phone to learn more about this product.

Typical attic HVAC installation



Installing Photronic™ in your home



Typical basement or main floor HVAC installation

Ultravation®

Professional Indoor Air Quality Products

ultravation.com



Indoor air as healthy as the great outdoors™

Common household VOC odors

Common sources of volatile organic compound (VOC) odors

Photronic™ is highly effective at removing air contamination including odors, and accomplishes this with very low air flow resistance or "pressure drop". The entire system adds no more air resistance than a typical media air cleaner, yet it does so much more with its germicidal and odor reducing capability. At right is a partial list of sources of odors that the Photronic Refresh™ module will break down.

Carpet adhesive	Linoleum	Air cleaning devices	Printer, laser	Oil-based finish	Plaster
Flooring adhesive	Sheet vinyl flooring	Air moving equipment	Spirit duplicator	Solvent-based paint	Wall paneling
General adhesive	Tile vinyl flooring	Cooling coils	Digital duplicator	Stain	Wallpaper/wall covering
Kitchen cabinets	Wood flooring	Ductwork	Vacuum cleaner	Turpentine	Particleboard
Caulks & Seals	Drapery	Heating coils	Brick	Varnish	Plywood
Detergent	Office furniture—metal	Humidification equipment	Ceramic tile	Water-based finish	Solid natural wood product
Disinfectants	Office furniture—upholstered	Fibrous insulation	Clothing	Water-based paint	Veneer
Cleaning agents	Office furniture—wood	Foam insulation	Concrete	Wax	Waferboard/chipboard
Solvent-based cleaners	Residential furniture—metal	Air cleaner, in-room	Microbial culture	Hair spray	
Carpet—synthetic fiber	Furniture—upholstered	Air conditioner, room	Mortar	Pesticides	
Carpet—wool fiber	Residential furniture—wood	Electronic circuit boards	Animals (pets)	Moth repellent	
Carpet cushion	HVAC Systems	Humidifier, in-room	Cooking	Space Heating and Cooking	
Carpet system	HVAC Components	Photocopier, dry-process	Smoking	Ceiling tile	
Cork flooring		Photocopier, wet-process	Paints & Coatings	Gypsum board	

List source:
U.S. Environmental Protection Agency

Photronic helps control airborne microorganisms and allergens

A partial list of microorganisms, allergens and conditions ...

Bacteria	Ragweed	Humidifier Fever	Mucor ramosissimus spores	Streptococcus pyogenes	Haemophilus influenzae
Viruses	Dust mites	Microplasma pneumoniae	Aspergillus niger	Bacillus anthracis	Pseudomonas aeruginosa
Legionella pneumophila	Sick Building Syndrome	Penicillium expansum spores	Adenovirus	Cornebacterium diptheria	
Pollen	Measles	Cryptococcus	Coxsackievirus	Serratia marcescens	
Mold spores	Tuberculosis	Stachybotrys atra	Mycrobacterium kansasii	Neisseria meningitidis	
Fungi	Chicken Pox	Neoformans	Mycrobacterium aviumintra	Moraxella Acinetobacter	

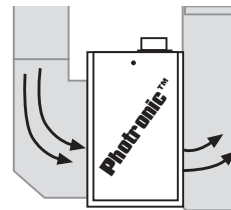
How to buy...

Call your HVAC service company or visit Ultravation.com for a directory of Ultravation Authorized Contractors

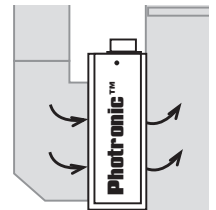


We recommend Photronic installation by HVAC professionals...
They will help you choose the right model

There's a Photronic™ to fit any HVAC system, but there are many systems and configurations across the country. Call your HVAC professional today to find out which system is best for your needs. Your contractor will also know how to install the system for optimum results. Visit Ultravation.com for more information.



ST-Series
Standard system with
5" pleated filter



SST-Series
Slimline system with
1" pleated filter

The Photronic™ 90 Day, 100% Satisfaction Guarantee

Try a Photronic™ system for 90 days. If the air in your home is not cleaner and fresher smelling, your HVAC contractor can return the unit to our wholesale distributor for a full refund.

We cannot refund installation costs, or additional materials that may be required for installation. See 90 day satisfaction guarantee terms sheet for complete details.

Members:



Improving Indoor Air Quality
Since 2000



EPA establishment number: 074725-VT-001

Ultravation, Inc. PO Box 165, Poultney, Vermont 05764 • 866.468.8247 F802.247.0033 • info@ultravation.com • www.ultravation.com