



Ultravation®
Photron™
INTENSIVE CARE FOR INDOOR AIR™

*Patented Process
Multistage™ Air Treatment*
Removes up to 99.97% of allergens
Destroys odors on contact
Kills harmful bacteria instantly

FLOOR
STANDING



CEILING / WALL MOUNT



DESKTOP



Ultravation®
Professional Indoor Air Quality Products
ultravation.com

Solutions for cleaner, healthier, indoor air

Studies have confirmed that indoor air can contain pollution at levels that far exceed outdoor air—as much as 100 times more polluted! But unlike smog and smoke that visibly reveal outdoor air contamination, much of the pollution that gets concentrated inside living and working spaces is microscopic. In addition to pollution from the outside sources being trapped in your home, many pollutants and odors are generated inside from everyday activities. Illness causing microorganism infestation, allergy provoking dust and pollen, plus odors and irritants caused by VOCs* can all cause significant health problems. Today's improved construction and renovation techniques, better seal interior spaces and save energy, but also compound indoor air quality problems, and that has created the need for focused indoor air quality management.

Ultravation designers and engineers have more than 30 years of experience in disinfection and filtration techniques. Today, Ultravation manufactures a broad range of professional quality products for improving air quality in residential, commercial, and institutional applications. Our products are the result of studying the sources and causes of indoor air pollution, and combining proven techniques and new technologies to reduce contamination, simply and effectively.

Ultravation® Photronic™ is an approach to improving indoor air quality (IAQ) that combines several effective air treatment technologies in one comprehensive air purification system. It simultaneously addresses the three major indoor air pollution sources: particulates, odors and airborne microorganisms, including mold. It uniquely combines premium air filtration with UV air disinfection and Refresh™—a system that destroys odors on contact using photocatalytic technology—into a single, easy to maintain system that controls allergens, odors, mold and other health-impacting biological air contamination.

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

Ultravation® Photronic™

Premium Quality Filtration
Germicidal UV Air Treatment
Refresh™ Odor Reduction

Intensive care for indoor air

Photronic™ puts multiple technologies to work to create the healthiest indoor air possible. It treats the air in more ways than any other air cleaning system, and addresses the three most critical indoor pollution issues: allergens/respiratory irritants, bacteria/viruses, and odors. Photronic™ **captures allergens** and other harmful air contamination including **mold**. Its UV-C light **kills bacteria** and even the smallest **viruses**, which can be 40 times smaller than bacteria, and unstoppable by any filter. These viruses are so small that more than 350,000 of them could fit on the period at the end of this sentence. Then, Photronic uses its **Refresh™** photocatalytic module to **break up** the molecules that cause **hundreds of VOC odors**—odors from anything organic—and leaves them as harmless, odorless components (VOCs are Volatile Organic Compounds). This amazing three stage process is continual as the air in the room is re-circulated through the Photronic™ system.

How much filtration do you need? It's your choice.

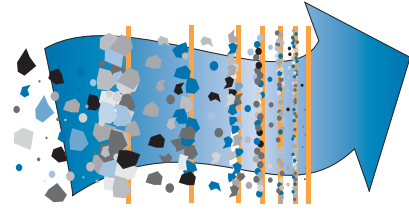
There are two filtration options with Photronic™. Whichever model you choose, it will be effective against a wider range of indoor pollution than electronic models, and won't need the frequent cleaning of collection plates that electronic models require.

- **Choose Ultravation MERV 11 Progressive Filtration** to remove nearly 99% of all airborne allergens—including nuisance contaminants like pollen and mold.
- **Choose Ultravation True HEPA** for maximum particulate capture. Traps 98.98% of particles as small as .3 microns—more than 300 times smaller than a human hair. Gives you a level of performance used in medical facilities. The MERV 11 prefilter extends HEPA filter life up to 5 years!

All Photronic™ systems come with **Refresh™** odor reduction and **UV-C germicidal** air treatment.

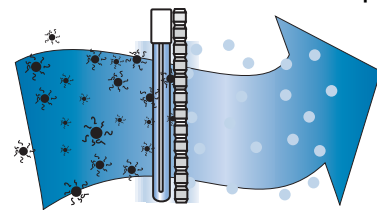


1 Remove allergens, dust and other airborne debris



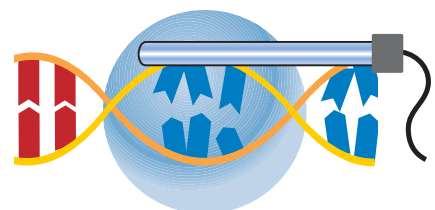
Ultravation® premium filtration, available in True HEPA or MERV 11 Progressive (see filtration choices at left).

2 Decompose odors, breaking them into harmless components



Odors and VOCs are reduced utilizing an exclusive self-regenerating photocatalytic process. It operates just as an automotive catalytic converter breaks down engine exhaust.

3 Sterilize airborne pathogens



The DNA of bacteria, viruses, and microscopic mold is destroyed by the Ultravation® UV-C air treatment.

Powerful and Portable Photronic[®] Air Treatment

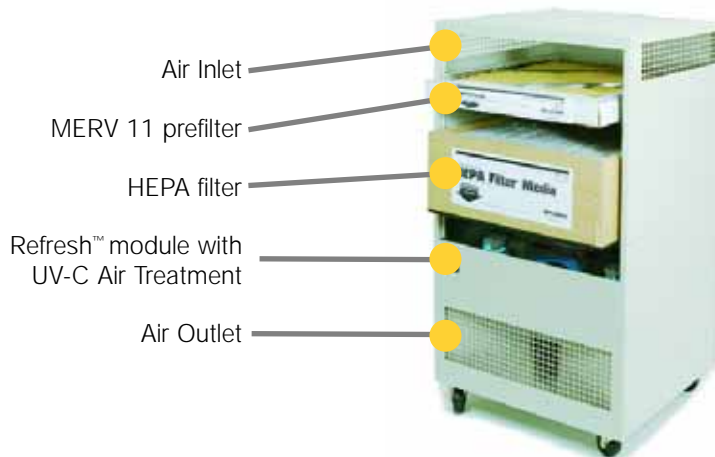
The Photronic[™] SA-Series is ready to go where you need it the most. Its wheels make it easy to move from room to room. Then simply plug it in and turn it on!



- Variable speed control
- Master power switch
- Moves air at up to 550 cfm (cubic feet per minute)
- Quiet, reverse impeller motor
- Available in two sizes 350 and 550cfm
- Easy to replace filter elements



Infinitely variable fan speed for quick filtration action or constant background circulation



The **Photronic[™] Multistage[™]** system is more effective than other cleaner designs—even better than HEPA filters can do on their own.

✓ Photronic [™] / ✓ Typical Air Cleaners	
Pollen ✓✓	Skin Cells ✓✓
Hair ✓✓	Cooking Smoke ✓✓
Lint ✓✓	Wood Smoke ✓✓
Soil Dust ✓✓	Smog ✓✓
Diesel Soot ✓✓	Viruses ✓✓
Spores ✓+ ✓	Hair Spray ✓✓
Animal Dander ✓✓	New Carpet Smell ✓✓
Auto Emissions ✓✓	Solvent Fumes ✓✓
Mold ✓+ ✓	Pet Smells ✓✓
Bacteria / Viruses ✓+ ✓	Paint / Finishes ✓✓

+ Photronic[™] photocatalyst and germicidal UV combine for double action on all bio-contaminants

Definitions:

VOCs: *Volatile Organic Compounds.* These are complex molecules that compose odors released from many 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 common VOCs).

MERV11: MERV stands for *Minimum Efficiency Reporting Value* an industry standard filter performance rating system. MERV11 is considered premium filter performance for household applications.

HEPA: *High Efficiency Particulate Air.* A rigid air filter capable of capturing 99.97% of particles as small as .3 microns.

Photronic[®] for Ceiling or Wall Mount Installation

Recesses into ceiling or hangs conveniently on a wall

The Photronic[™] CW-Series mounts permanently and operates quietly, out of the way. Sized to fit in a standard 24"x48" suspended ceiling grid.



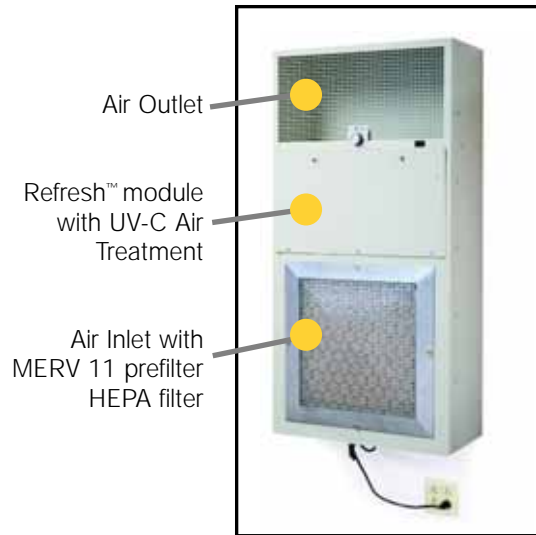
- Variable speed control
- Master power switch
- Moves air at up to 950 cfm (cubic feet per minute)
- Quiet, reverse impeller motor
- Easy to replace filter elements



Infinitely variable fan speed for quick filtration action or constant background circulation



Ceiling mounted, the system fits neatly in a standard 24"x48" suspended ceiling grid



Photronic Applications

- Classrooms
- Day-care centers
- Doctor's offices
- Play rooms
- Restaurants
- Libraries
- Offices
- Conference rooms
- Waiting rooms
- Pet centers
- Veterinarian's offices
- Exercise rooms
- Locker rooms
- Restrooms
- Bus stations
- Retail stores
- Workrooms
- Lounges
- Paint rooms
- Renovation areas

Indoor air as healthy as
the great outdoors[™]



Ultravation[®]
Professional Indoor Air Quality Products
ultravation.com

Photronic™ Multistage™ Room Air Cleaning Systems

SA-550M

550cfm capacity
Portable, floor standing system, MERV 11
Progressive filtration with Refresh™ PCO odor
reduction system

SA-550H

550cfm capacity
Portable, floor standing system, True HEPA
filtration with MERV 11 pre-filter and Refresh™
PCO odor reduction system

SA-350M

350cfm capacity
Portable, floor standing system, MERV 11
Progressive filtration with Refresh™ PCO odor
reduction system

SA-350H

350cfm capacity
Portable, floor standing system, True HEPA
filtration with MERV 11 pre-filter and Refresh™
PCO odor reduction system

CW-550M

550cfm capacity
Ceiling or wall mount system, MERV 11
Progressive filtration with Refresh™ PCO odor
reduction system

CW-550H

550cfm capacity
Portable, floor standing system, True HEPA
filtration with MERV 11 pre-filter and Refresh™
PCO odor reduction system



Common sources of VOCs (Volatile Organic Compounds)

Photronic™ is highly effective at removing contamination and 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 does so much more. The UV lamps in the system use no more energy than standard household light bulbs.

- | | |
|---|---|
| <ul style="list-style-type: none"> Carpet adhesive Flooring adhesive General adhesive Kitchen cabinets Caulks & Seals Detergent Disinfectants Cleaning agents Solvent-based cleaners Carpet-synthetic fiber Carpet-wool fiber Carpet cushion Carpet system Cork flooring Linoleum Sheet vinyl flooring Tile vinyl flooring Wood flooring Drapery Office furniture-metal Office furniture-upholstered Office furniture-wood Residential furniture-metal Furniture-upholstered Residential furniture-wood HVAC Systems HVAC Components Air cleaning devices Air moving equipment Cooling coils Ductwork Heating coils Humidification equipment Fibrous insulation Foam insulation Air cleaner, in-room Air conditioner, room Electronic circuit boards Humidifier, in-room Photocopier, dry-process | <ul style="list-style-type: none"> Photocopier, wet-process Printer, laser Spirit duplicator Digital duplicator Vacuum cleaner Brick Ceramic tile Clothing Concrete Microbial culture Mortar Animals (pets) Cooking Smoking Paints & Coatings Oil-based finish Solvent-based paint Stain Turpentine Varnish Water-based finish Water-based paint Wax Hair spray Pesticides Moth repellent Space Heating and Cooking Ceiling tile Gypsum board Plaster Wall paneling Wallpaper/wall covering Particleboard Plywood Solid natural wood product Veneer Waferboard/chipboard |
|---|---|

List source: U.S. Environmental Protection Agency

Photronic™ UVP-2000

Desktop and wall mount germicidal air treatment with ReFresh™ odor reduction

The UVP-2000 is designed to bring the benefits of Ultravation® Photronic™ whole house air treatment system to small spaces.



Just a few applications...

- Office cubicles
- Office gathering areas
- Home offices
- Kitchens
- Pet areas
- Musty Basement rooms
- Bathrooms / Restrooms
- Laundry
- Exercise rooms
- Coat rooms
- Trash and recycling & collection areas

Use a UVP-2000 in any area where odors, air-borne allergens, viruses and bacteria are likely to be concentrated.

Dimensions: 14 1/2" w x 9" d x 2 5/8" h
Power: 110VAC 50/60 Hz

Members:



All Ultravation products are designed and built in the USA

Ultravation®

Professional Indoor Air Quality Products

ultravation.com

EPA establishment number: 074725-VT-001

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