

Model PC02450 VectorFlo®

UV Air Purifier
Residential Whole-House (GFI #4840)

Breathe Healthier

**Kill Germs, Bacteria,
Fungus and Viruses.
Remove Odors Inside
Your Home.**

**Bring the germ-killing power of
the outside sun inside your home
and clean the air in ways filtration
alone can't. Breathe even
healthier air with GeneralAire® UV
Air Purifiers.**



How the PC02450 Works:

Bring the germ-killing power of the outside sun inside your home and clean the air in ways filtration alone can't. Breathe even healthier air with GeneralAire® UV Air Purifiers.

Details inside or go to: www.generalfilters.com/modelPC02450

Install a UV air purifier in your home to:

Lessen bouts of colds and flu:

The PC02450 works like the sun outdoors to kill germs, bacteria and viruses, thereby reducing the occurrences of flu, colds and infection and keeping your family healthy.

Reduce risk of respiratory ailments:

The PC02450 reduces levels of airborne fungus and mold; causes of respiratory problems in people with and without allergies and asthma.

Neutralize odors:

Whether from cooking, pets, tobacco, or hobbies, your PC02450 neutralizes odors and other VOC's.

Manufacturers of Whole House Residential Indoor Air Quality Products.
Humidifiers - Dehumidifiers - Air Cleaners - UV Air Purifiers - Heat/Energy Recovery Ventilators

www.generalfilters.com



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Why Whole-House UV Air Purifiers Vs Portable Room Units?

See the top reasons below why a whole-house UV Air Purifier is a better option for your home than a portable room unit:

	GeneralAire® PCO2450 VectorFlo® Whole-House UV Air Purifier	Portable Units
Provides clean air in every room of your house	Yes. You will benefit from proper humidification throughout your home.	No. You'll need to purchase a unit for every room in your house.
Effective at killing germs, bacteria, mold, mildew & viruses.	Yes. The PCO2450 utilizes the most effective technology available.	No. Portable units are generally not as effective.
Minimal Maintenance	Yes. Simply change the UV bulbs every 24 months!	No. UV bulbs must be replaced more often.

Selecting a UV Air Purifier

There are several considerations when selecting a UV Air Purifier for your home:

1. Number of HVAC systems in your home (you may want to install a UV purifier for each HVAC system in your home to ensure maximum benefit).
2. Repeated bouts of flu and colds, or a high occurrence of allergy and asthma triggers (a UV air purifier may provide relief).
3. Climate (moist climates or moist seasons can increase your risk of mold and mildew. A UV Air purifier helps to reduce this risk).
4. Operation costs.
5. Maintenance requirements.
6. Stubborn odors. (UV air purification helps to reduce odors from pets, smoke, mold/mildew, cooking and more.)

GeneralAire® offers a full line of residential UV Air Purifiers to meet your needs. Review our full product catalogue on www.generalaire.com to learn more. We recommend speaking with a licensed contractor for assistance with your IAQ selections and installations. Use our "Find a Contractor" tool on www.generalfilters.com for a list of contractors in your area.

The Benefits of Air Purifiers

We've learned that filtration is no longer the only answer to a healthy indoor air quality. Clean, healthy, comfortable indoor air can be greatly enhanced by: filtration, ventilation, humidification, (or dehumidification) and UV Air Purification. Each are easily installed into your home's HVAC system; quiet, out of site and easy to maintain.

The PCO2450 VectorFlo® simply has the strongest UV Light Purification technology available.

Install the PCO2450 VectorFlo® in your HVAC system and give your family better indoor air quality.

Environmental Protection Agency studies show we spend as much as 90% of our time indoors. Indoor air pollution is among the top five environmental health risks. In fact, indoor air can be up to 100 times more polluted than the air we breathe outdoors.

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Just Like the Sun!

Bring the outdoor sun inside

The sun naturally eliminates harmful bio aerosols outdoors. The PC02450 VectorFlo® brings the sun's power indoors!

Solid, sturdy construction.

Easy, Fast Installation.

TiO2 Semiconductor Plates (2)

- Electrostatically coated honeycombed aluminum cells permanently bonded at high temperatures with nanosized crystallites of titanium dioxide (TiO₂) in anatase form; one of the most effective catalysts available.
- Never need to clean or replace!
- Honeycombed design creates 24 Sq. Ft. bioaerosol-killing surface area.
- Safely deconstructs gaseous contaminants and deodorizes your indoor air.
- Delivers the highest-performance kill rate in the market.
- Utilizing the "Venturi Effect", the plates slow air passing through unit for longer exposure and for greater air purification.

18" - 50 Watt UVC Lamp

- High output UV light imitates the air purifying intensity of the sun indoors to kill mold, mildew, germs, bacteria, viruses and other destructive bioaerosols.
- Effectiveness unmatched by other UV air treatment brands.
- Reduces viral & bacterial activity by 95% in *less than 5 hours*.
- 200-280 nanometers.
- Lasts for 18,000 hours (Approximately 2 years).

Does not produce ozone.

Dip switch allows for selection of 120Vac or 208-240 Vac.



Unlike No Other UV Air Purifier, The PC02450:

- **Neutralizes** Odors from tobacco, pets, cooking.
- **Reduces** levels of bacteria, fungus, germs, viruses.
- **Destroys** Harmful VOC's.
- **Deconstructs** gaseous contaminants and toxic organic molecules to harmless carbon and water.

Maintenance


Maintenance of your new GeneralAire® PC02450 is minimal. To ensure peak performance and reliable operation, simply replace your UV Lamps every two years; or approximately 18,000 hours.

Date of Installation: _____

Contractor's Contact Information:

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PCO2450 VectorFlo® Specifications	
Weight	4 Lbs.
Length in Duct	18"
VectorFlo® PCO TiO ₂	3,500 Sq. Inches / 24 Sq. Feet
Voltage	120 or 240 V Options
Ballast	High Output Temperature Compensating (HOTC) 120v / 240v Ballast (GFI #4884)
Static Pressure	Increase Less Than .02
Air Flow	Max 2000CFM or 4,000 Sq. Ft.
Lamp Intensity Rating	135 µw/cm ² @ 1 meter
Amperage	1.5A
Replacement Lamp	50 Watt, 18" UVC Lamp LT-50 (GFI #4448) Replace every two years or 18,000 hours. Do not look directly at a lamp that is turned on. Never touch lamp with bare hands.
Warranty	Five Years 

Inside the Box

- Model PC02450 VectorFlo® UV Air Purifier
- Warranty Card
- Installation Manual
- Sheet Metal Screws
- Power Cord
- UV Light (Inside PC02450)



Purchase replacement parts from your local wholesaler, a licensed contractor or from our website:
www.generalfilters.com/shop-iaq-parts.html



www.generalfilters.com



Our Other Brands



Canadian General Filters, Ltd.
400 Midwest Rd.
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Visit www.generalaire.com (Click on "Literature") to download GeneralAire® brochures, installation manuals and product guides. All information subject to change without notice.