



**READ AND SAVE THESE INSTRUCTIONS**

Whole Room Air Purifier Owner's Guide

**LEER Y GUARDAR ESTAS INSTRUCCIONES**

Guía para el usuario del Purificador de Aire para todo el ambiente

**LISEZ ET CONSERVEZ CES INSTRUCTIONS**

Manuel d'utilisation du Purificateur d'Air pour Espace Entier

[www.vornado.com](http://www.vornado.com)

model PCO200

## **Designed, engineered and supported in Andover, Kansas.**

Pensado, diseñado y respaldado en Andover, Kansas.

Conception, mise au point et soutien technique effectués à Andover, au Kansas.

Questions or comments?  
¿Preuntas o comentarios?  
Questions ou commentaires?



[www.vornado.com](http://www.vornado.com)



[consumerservice@vornado.com](mailto:consumerservice@vornado.com)



800.234.0604

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# IMPORTANT INSTRUCTIONS

## READ ALL INSTRUCTIONS BEFORE USING.

This appliance has a polarized plug. (One blade is wider than the other.) To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.

**WARNING** – To reduce the risk of fire or electric shock, do not use this product with any solid state control device. Unplug the appliance from the power supply before cleaning, moving or servicing.

- **Do** unplug your Vornado Air Purifier before cleaning.
- **Do** clean your Vornado Air Purifier regularly. Refer to the Cleaning and Maintenance instructions provided. Never clean the Vornado Air Purifier in any manner other than as instructed in this manual.
- **Do Not** use gasoline, thinners, solvents, ammonias or other chemicals for cleaning.
- **Do Not** immerse this product in water or allow water to drip into the motor housing.
- **Do Not** use near furnaces, fireplaces, stoves or other high-temperature heat sources.
- **Do Not** block the top air vent so purified air cannot be cir-

culated throughout the room.

- **Do Not** use this product outdoors.
- **Do Not** use this product on wet surfaces.
- **Do Not** use this product near a bathtub, shower, swimming pool or other water container.
- **Do Not** operate any purifier with a damaged cord or plug. Discard purifier or return to an authorized service facility for examination and/or repair in order to avoid a hazard.
- **Do Not** carry this product by the cord, or use the cord as a handle.
- **Do Not** attempt to repair or replace parts, except for Filters, Bulb, and Screen Tray.
- **Do Not** run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- **Do** use common sense when using this product and/or any electrical appliance.

**WARNING:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply

# IMPORTANT INSTRUCTIONS

## READ ALL INSTRUCTIONS BEFORE USING.

with the limits for Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept

any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.

# SAVE THESE INSTRUCTIONS

# Trust.

It is said that trust isn't given, but earned. For decades Vornado has been earning the trust of our customers by offering them only the best. Vornado provides the highest level of performance, coupled with the highest level of support available. Complete satisfaction with no exceptions – this is Vornado's promise to you. If you are not satisfied for any reason, please contact us. Knowledgeable representatives are available at 1-800-234-0604 from 7:00 AM to 6:00 PM CST. A wealth of additional support is also available online at [www.vornado.com](http://www.vornado.com). On behalf of myself and the entire staff at our Andover, Kansas headquarters – thank you for selecting Vornado.

Sincerely,  
Randy Brillhart  
CEO, Vornado Air



Find our complete product line at [www.vornado.com](http://www.vornado.com)

## Destroy What HEPA Can't Capture™ silverscreen™ Enhanced HEPA Air Purification



Destroys bacteria and viruses smaller than those that cause the flu, common cold and antibiotic-resistant infections.\*



Destroys formaldehyde and other harmful gases commonly found in the home.\*



Removes 99.97% of airborne dust and allergens from the air.\*\*

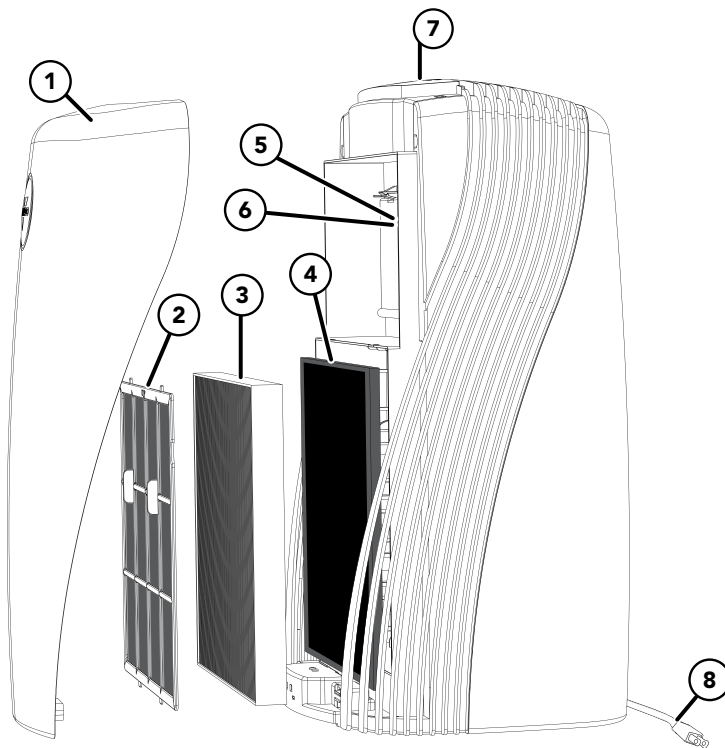
silverscreen™ destroys the contaminants that cause poor air quality in your home. From larger dust particles down to microscopic molecules, your air purifier provides clean air at an entirely new level. First, True HEPA filtration eliminates 99.97% of airborne particles\* from the air. Next, an advanced carbon filter adsorbs household odors and harmful gases. The final step is where Vornado takes clean air to a molecular level. With silverscreen™ technology, remaining harmful gases and organisms are destroyed.

\*Based on multiple tests from independent labs confirming destruction of bacteria (including Staph and Strep species), viruses, mold and harmful gases.

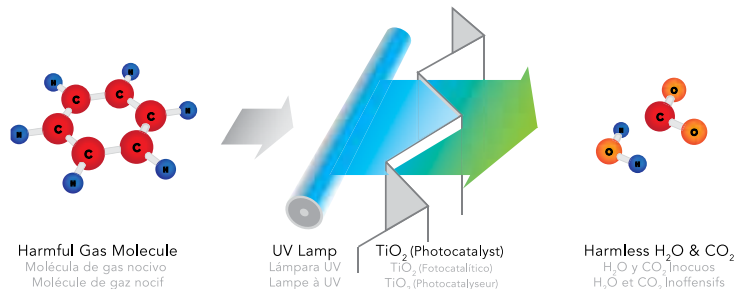
\*\*0.3 microns or larger.

# Product Information

- 1 Front Panel**
- 2 Permanent Pre-Filter**  
Captures larger initial particles and odors passing through the unit.
- 3 HEPA Filter**  
Captures 99.97% of particles 0.3 microns or larger passing through the unit, allowing only filtered air back into the environment.
- 4 Advanced Carbon Filter**  
Adsorbs odors and gases passing through the filters.
- 5 silverscreen™ Tray**  
Reacts with UV light to break down harmful viruses, bacteria and gases that HEPA and Carbon cannot capture.
- 6 UV Bulb**  
Emits UV light to activate the titanium dioxide coating on screen to break down harmful viruses, bacteria and gases that HEPA and Carbon cannot capture.
- 7 Control Panel**  
LED display and push button controls for easy and intuitive operation.
- 8 Power Cord**  
Convenient 6 ft. cord.

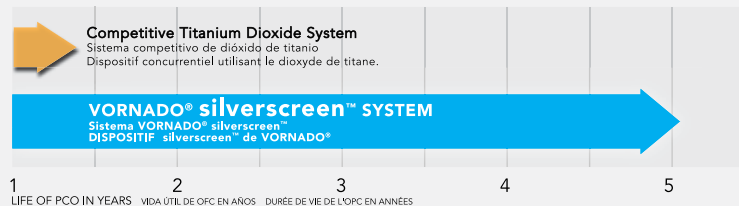


## Clean The Air At A Molecular Level



silverscreen™ exposes harmful airborne gases and organisms to a very specific spectrum of UV light and a patented titanium dioxide media. This combination causes the organisms to oxidize. This process destroys the molecular structure, rendering organisms like bacteria, viruses and more, into nothing more than simple, harmless molecules. What's more, the silverscreen™ system is non-toxic and produces no ozone.

## How silverscreen™ Is Different Than Any Other Technologies



By applying UV light to titanium dioxide (TiO<sub>2</sub>), a chemical reaction occurs. This reaction is referred to as *Photocatalytic Oxidation* (PCO). UV light can cause the TiO<sub>2</sub> media to degrade and begin to lose its effectiveness – in some cases as quickly as 90 days. Vornado's silverscreen™ technology uses a patented coating process to maintain the life of the TiO<sub>2</sub> screen for five years or more with no degradation in performance. You only need to change the UV Bulb once a year to maintain the peak performance of your air purifier.

## About the Glow

UV light is one of the components of the silverscreen™ system. You can observe a subtle glow where the purified air exits the unit during operation. The light you see is harmless and is a gentle reminder that the silverscreen™ system is hard at work.



# Advanced Filtration

## Vornado Whole Room Air Purifiers Feature Precision True HEPA Calibration

Without properly calibrated air-flow, products with a True HEPA Filter will not achieve their full filtration potential. Gaps, poorly sealed filter housings, and excessive air velocity all reduce the effectiveness of the product. Independent testing laboratory verifies that the precise calibration of a Vornado Air Purifier allows it to perform at True HEPA standards.



## Advanced Carbon Filtration

The honeycomb design and use of carbon pellets enables the filter to adsorb more household odors and harmful gases than a traditional carbon filter.



# Automatic Accessory Refill Program

A convenient and hassle-free way to receive regular shipments of Vornado accessories, direct to your door. Eliminate the hassle of remembering to reorder. Maintain the high efficiency of your Vornado Purifier by regularly replacing used accessories with fresh new ones. How it works: You select a plan and Vornado will send replacement accessories at the recommended maintenance interval. To sign up, visit [www.vornado.com](http://www.vornado.com), email [consumerservice@vornado.com](mailto:consumerservice@vornado.com) or call 1-800-234-0604. Cancel at anytime.



Part # **MD1-0022**  
HEPA Filter



Part # **MD1-0027**  
Advanced Carbon Filter



Part # **MD1-0026**  
UV Bulb Tray



Part # **MD1-0024**  
silverscreen™ Tray

# Understanding CADR

## What is CADR?

CADR stands for "Clean Air Delivery Rate," which indicates the volume of filtered air delivered by an air purifier. CADR ratings show the effectiveness of the air purifier in capturing fine particles. Higher CADR rates indicate improved performance in all room sizes.

**Note:** The PCO200 Air Purifier is suggested for use in a single, closed room up to 175 square feet. Portable air cleaners will be much more effective in rooms when all the doors and windows are closed.

Tested per ANSI/AHAM AC-1 National Standard.

## PCO200

### CADR Clean Air Delivery Rate

Room Size	Room Changes/Hour
10x10	11.5
12x12	8
14x14	5.9

smoke **114**

dust **135**

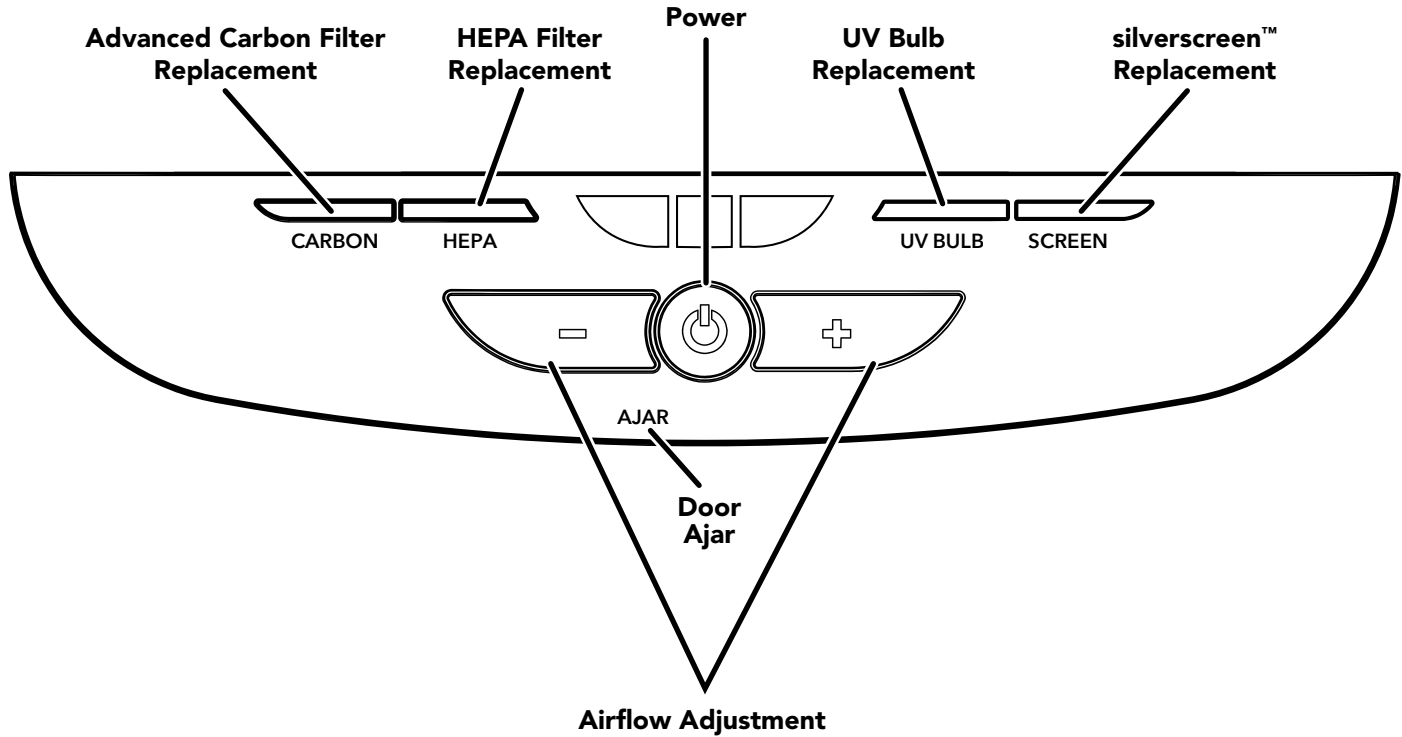
pollen **153**

Source: Independent Testing Laboratory.

These values represent performance that can be expected within the first 72 hours of operation. Subsequent use may vary.



# Control Panel



# How To Use

## Airflow Adjustment



To select one of the 3 fan speed settings, press the “+” button to adjust to a higher speed or press the “-” button to adjust to a lower speed. The LED display will indicate the selected speed. Low, Medium and High speed settings are designed for day-to-day use.

**Note:** Dust and allergens are most airborne when persons and pets are active in the room. For best results, set the unit on a higher speed setting during these times for high demand cleaning and circulation. Set the unit to a lower setting for quieter operation when activity is reduced.

## Filter and Tray Replacement



### Advanced Carbon Filter Replacement

Equipped with Replace Advanced Carbon Filter indicator light to show when it is recommended to change the Advanced Carbon Filter. Please refer to FILTER REPLACEMENT for instructions. This feature is controlled by time of use. The light will illuminate after 9,000 hours of run time has accumulated.

### HEPA Filter Replacement

Equipped with an indicator light to show when it is recommended to change the HEPA filter. Please refer to FILTER REPLACEMENT for

instructions. This feature is controlled by time of use. The light will illuminate after 9,000 hours of run time has accumulated.

### UV Bulb Replacement

Equipped with an indicator light to show when it is recommended to change the UV Bulb. Refer to SILVERSCREEN™ TRAY AND UV BULB REPLACEMENT for instructions. This feature is controlled by time of use. The light will illuminate after 9,000 hours of run time has accumulated.

**Note:** The UV Bulb should be replaced according to the notification, even if the UV Bulb is still functioning. This will ensure the effectiveness of the UV spectrum.

### silverscreen™ Replacement

Equipped with an indicator light to show when it is recommended to change the silverscreen™. Please refer to SILVERSCREEN™ TRAY AND UV BULB REPLACEMENT for instructions. This feature is controlled by time of use. The light will illuminate after 45,000 hours of run time has accumulated.

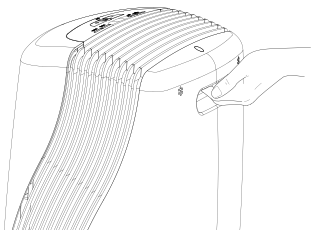
**Note:** User environments will differ. The replacement time is based on average use situations, if you are using the Air Purifier in a more demanding environment, you may need to change the Filters or Trays more frequently. In less polluted environments the Filter and Tray life may extend beyond the notification.

### Door Ajar

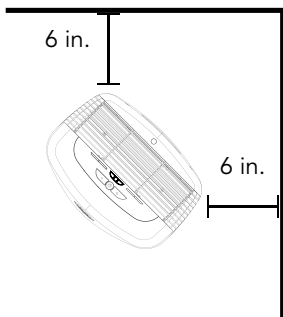
The unit front panel is not securely closed. Refer to FILTER REPLACEMENT on page 17 on how to properly replace door.

# User Tips

1. Keep retail carton to store unit when not in use.
2. Use the inset handle located on the back of the unit for easy carrying.



3. For best results, position the front of the unit (side with logo) towards the center of the room, leaving at least a 6 inch distance away from walls or furniture on every side.

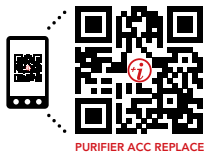


**Note:** For optimum airflow, air outlet should be unobstructed. Ensure curtains and other items are far enough away from the unit to not be pulled into the side inlets or interfere with airflow.

# Filter Replacement

## Genuine Vornado Accessories Are Recommended

Peak performance is only realized when genuine Vornado Advanced Carbon Filter, silverscreen™ Tray and HEPA filters are used. Others may claim to be compatible with Vornado units, but the Vornado Air Purifier is calibrated to achieve a maximum purify performance, only when used with Vornado Accessories.



View filter replacement tutorial on your mobile device.

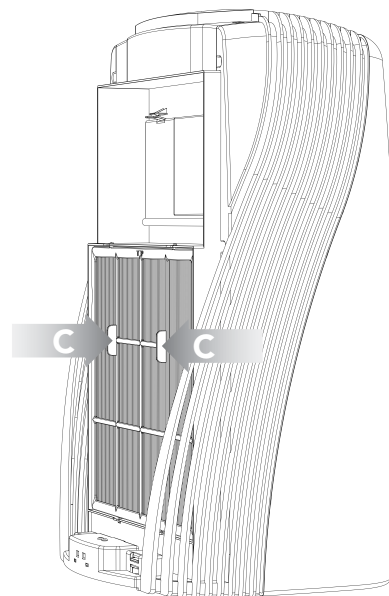
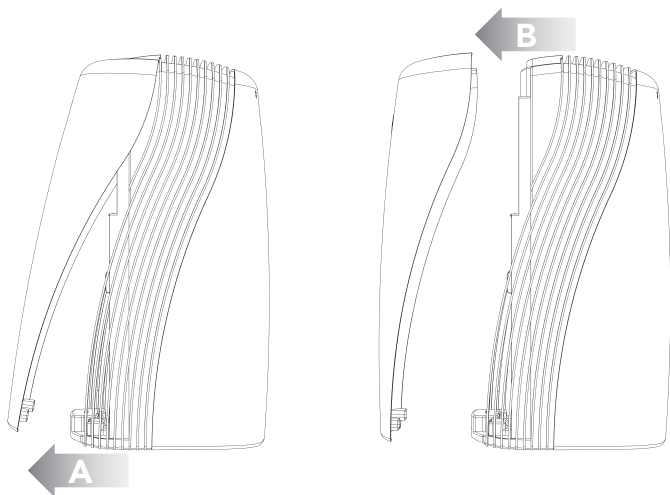
# Filter Replacement

## How To Replace Your Filters

1. Unplug unit.
2. Pull the bottom part of Front Panel (A) out first, then pull top of Front Panel (B) away from unit.

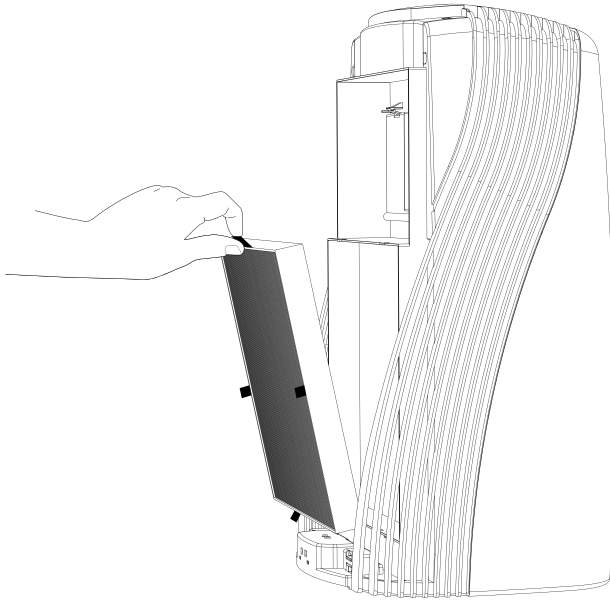
**Note:** The bottom of the Front Panel (B) is held in place by magnets, you will need to pull the Front Panel hard enough to overcome the resistance of the magnets.

3. Remove the Permanent Pre-Filter by pulling on the center tabs (A). You may need to flex the Permanent Pre-Filter slightly to release the tabs at the top and bottom.

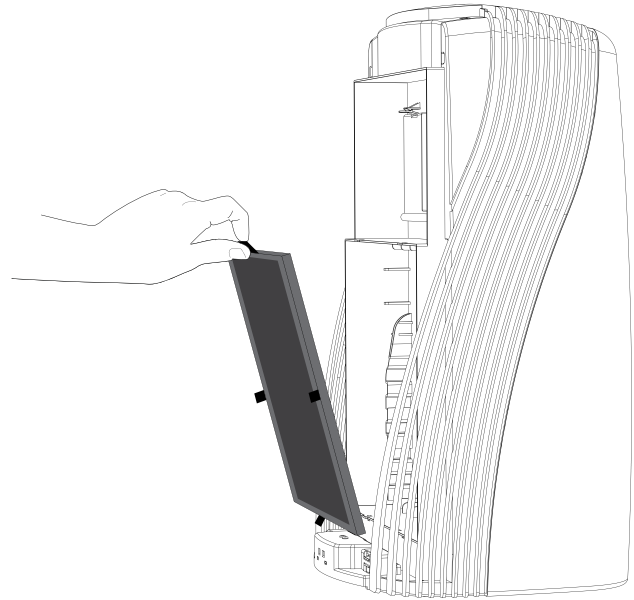


# Filter Replacement

4. To remove the HEPA Filter, after the Permanent Pre-Filter has been removed, take hold of the tab along the perimeter of Filter and pull to release.



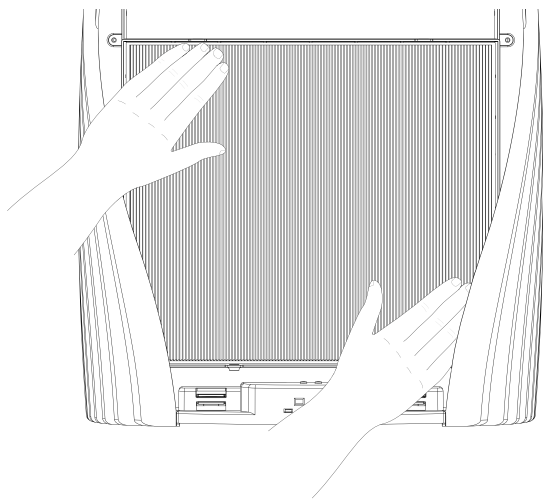
5. To remove the Advanced Carbon Filter, after the Permanent Pre-Filter and HEPA Filter have been removed, take hold of tab along the perimeter of Filter and pull to release.



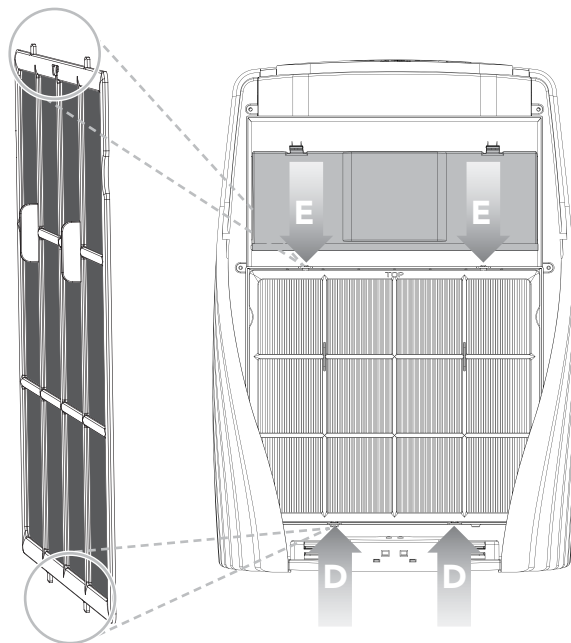
# Filter Replacement

6. Replace with genuine Vornado Filters. Place the Filters in the unit and gently press around the perimeter of the Filter to ensure secure placement.

**Note:** Remove and discard the Filters you wish to replace. The Advanced Carbon Filter must be placed in the unit before the HEPA Filter. See PRODUCT INFORMATION for a detailed illustration.



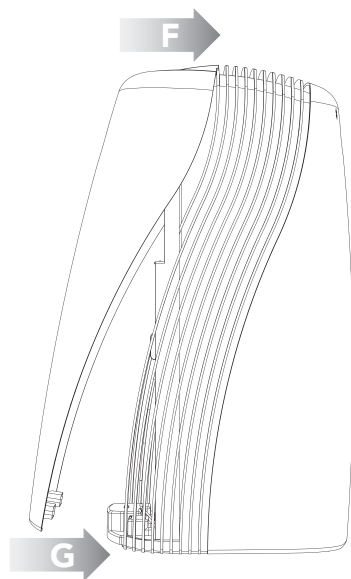
7. Replace the Permanent Pre-Filter by securing the bottom 2 tabs into bottom slots (D). Slightly flex the Permanent Pre-Filter to secure the top 2 tabs into the top slots (E).





# Filter Replacement

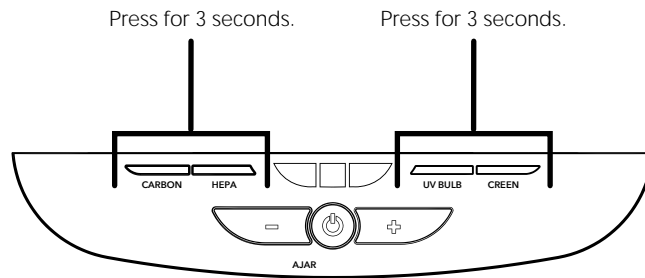
8. Replace Front Panel by aligning and gently pushing the top of Front Panel with tabs located on the unit (F). Then connect the bottom of Front Panel (G) with magnets located at bottom of unit.



## Safety Shut-Off Feature

For your protection, the unit is designed to operate only if the Front Panel is in place. Do not attempt to override this safety feature. If, after the Front Panel has been reinstalled, the unit does not operate, remove and reinstall the Front Panel to assure proper placement.

9. To reset the Replacement notification - Press and hold the REPLACE CARBON, REPLACE HEPA, REPLACE SCREEN, REPLACE UV BULB, depending on which item was replaced, for at least 3 seconds. The light will turn off confirming the indicator is reset.

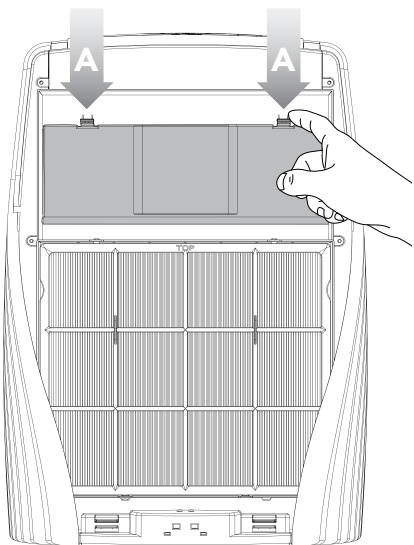


**Note:** Do not operate the Air Purifier without Vornado Advanced Carbon Filter and Vornado HEPA Filter in place.

# silverscreen™ Tray and UV Bulb Replacement

## Replacing Trays

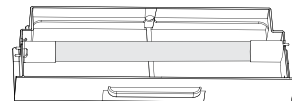
1. Unplug unit and remove Front Panel. Refer to FILTER REPLACEMENT on page 15 for instructions.
2. Release the Tray door by pressing down on the tabs (A), while simultaneously pulling the door open.



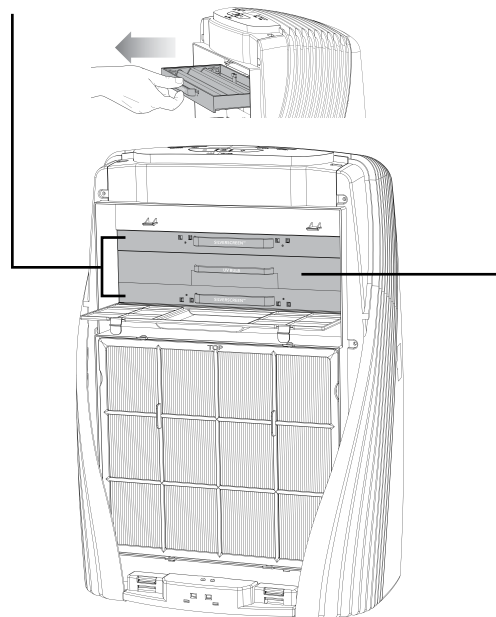
3. Remove the silverscreen™ Tray or UV Bulb Tray by pulling on the Tray handle. Discard any used Trays.



silverscreen™ Trays

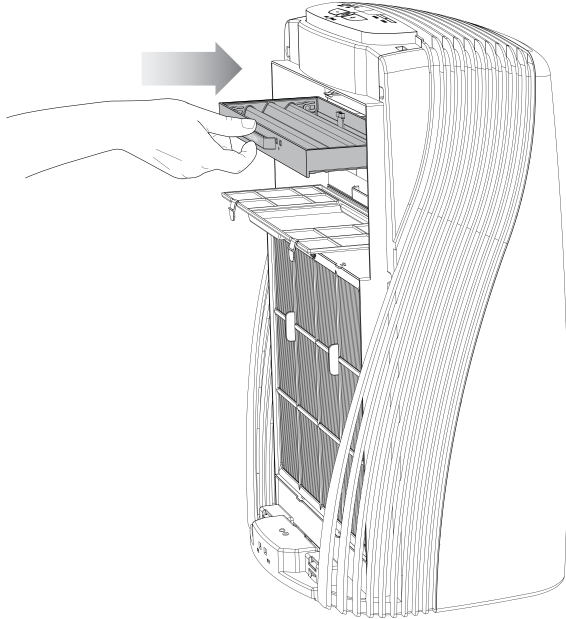


UV Bulb Tray

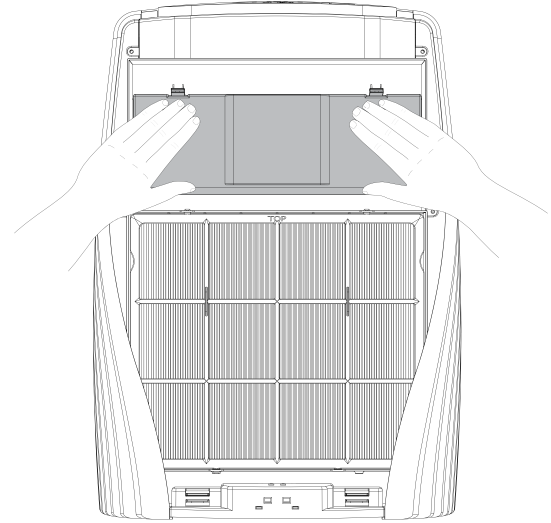


# silverscreen™ Tray and UV Bulb Replacement

4. Replace with only genuine Vornado UV Bulb Tray or silverscreen™ Trays. Push the Tray into unit until it securely snaps into place.



5. Replace the Tray door by pushing door back over Trays until tabs securely snap into place.



**Note:** All Trays fit into unit with ease and should not be forced into unit.

# Cleaning and Storage

## How to Clean

Because large volumes of air pass through your Vornado Air Purifier each day, it will need regular cleaning. It is recommended to clean the Permanent Pre-Filter and interior when large debris or heavy buildup becomes noticeable.

1. Unplug the unit before cleaning.

**Note:** Do not use gasoline, thinners, solvents or other chemicals for cleaning.

2. Wipe down with a soft, damp cloth. (Figure 1)
3. Dust or vacuum the interior and along the sides of unit (Figure 2).

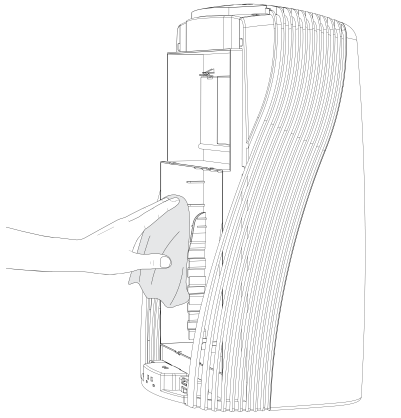


Fig. 1

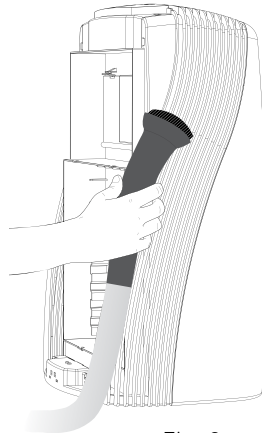
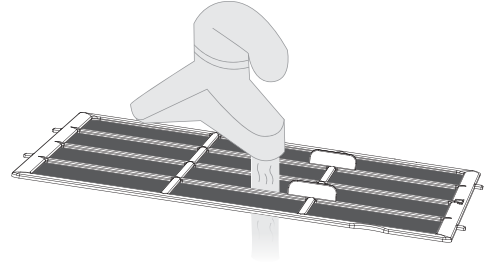


Fig. 2

4. The Permanent Pre-Filter can be cleaned with a vacuum or rinsed.

**Note:** If vacuuming, use the vacuum brush attachment. If rinsing, allow Permanent Pre-Filter to completely dry.



**Note:** The motor is permanently lubricated so it needs no service. No other serviceable parts, other than Filters, are contained within the unit.

## Storage

Follow the steps listed below when you are ready to store your unit.

1. Unplug power cord and bundle loosely.
2. Lift unit using handle hold. (Refer to USER TIPS on page 13)
3. Cover, or place back in retail carton if available. This will prevent the unit from accumulating dust overtime.
4. Store unit in a cool and dry location.

# Troubleshooting

Problem	Possible Cause and Solution
<b>Unit fails to power On.</b>	Unit is not plugged in. Plug power cord into electrical outlet.
	Household circuit breaker / ground fault interrupter has tripped or blown a fuse. Reset circuit breaker / ground fault interrupter, or replace fuse. For assistance, contact a licensed electrician.
	Unit is damaged or in need of repair. Cease usage and unplug. Contact Consumer Service for assistance.
<b>Ajar Light is On.</b>	Front Panel may not be properly installed. Remove and reinstall the Front Panel to assure proper placement. Refer to FILTER REPLACEMENT on page 17.
<b>Airflow is weak or slow.</b>	Unit set to a low speed setting. Adjust to a higher speed setting.
	Debris build-up on filter. Check Permanent Pre-Filter and wash if heavy buildup becomes noticeable. Refer to CLEANING AND STORAGE on page 20.
	Airflow is blocked. Remove obstruction.
<b>UV Bulb is not illuminating</b>	Check to ensure the UV Bulb Tray is properly installed. Remove Tray and re-insert Tray into unit.
	Replace with a new UV Bulb. If UV Bulb does not illuminate after proper installation or new UV Bulb replacement, contact Consumer Service for assistance.



## Whole Room Air Purifier • 5 Year Limited Warranty

Vornado Air LLC ("Vornado") warrants to the original consumer or purchaser this Vornado® Air Purifier ("Product") is free from defects in material or workmanship for a period of five (5) years from the date of purchase, depending on model. If any such defect is discovered within the warranty period, Vornado, at its discretion, will repair or replace the Product at no cost. Repairs not covered by the warranty or outside the warranty period will require a fee to cover the cost of materials, labor, handling and shipping.

This warranty does not apply to defects resulting from abuse of the Product, modification, alteration, repair or service of the Product by anyone other than Vornado, mishandling, improper maintenance, commercial use of the Product, damages which occur in shipment or are attributed to acts of God.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. VORNADO SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

For warranty or repair service, call 1-800-234-0604 or email [consumerservice@vornado.com](mailto:consumerservice@vornado.com).

com to obtain a Return Authorization ("RA") form. Please have or include your Product's model number and serial number, as well as your name, address, city, state, zip code and phone number when contacting Vornado for warranty service. After receiving the RA form, ship your Product to:

Vornado Air LLC  
Attn: Warranty & Repair  
415 East 13th Street  
Andover, KS 67002

For your convenience, please have your model number and serial number when contacting Vornado with service inquiries. To assure proper handling, packages must be clearly marked with the RA number. Packages not clearly marked with the RA number may be refused at the receiving dock.

Please allow 1-2 weeks for repair and return of your Product after the Product is received. For your records: Staple or attach your original sales receipt to this Owner's Guide. Please also write your product's serial number below (located on product specs decal).

Serial No. \_\_\_\_\_

Product registration available online at [www.vornado.com](http://www.vornado.com)

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Patents Pending. Specifications subject to change without notice.

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