



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

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? ¿Prequntas o comentarios? Questions ou commentaires?



www.vornado.com



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 hightemperature 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) his 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. 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

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.**

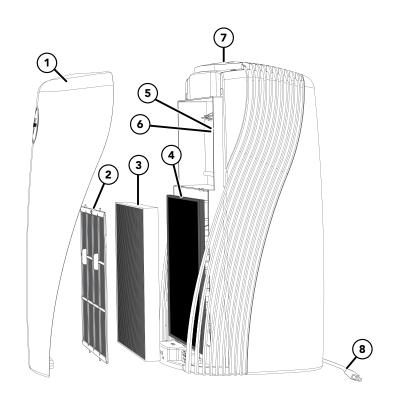
silverscreen™ destroys the contaminants that cause poor air quality in your home. From larger dust particles down to microscopic molecules, your air purifier provides clean air at an entirely new level. First, True HEPA filtration eliminates 99.97% of airborne particles* from the air. Next, an advanced 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.

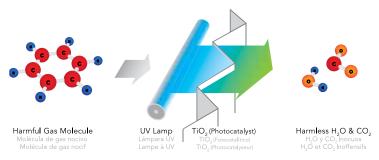
Product Information

- **Front Panel**
- **Permanent Pre-Filters** Captures larger initial particles and odors passing through the unit.
- **HEPA Filters** Captures 99.97% of particles 0.3 microns or larger passing through the unit.
- **Advanced Carbon Filter** Adsorbs odors and gases passing through the filters.
- silverscreen[™] Trays Reacts with UV light to break down harmful viruses, bacteria and gases that HEPA and Carbon cannot capture.
- **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.
- **Touch Sensitive Control Panel** LED display and touch sensitive controls for easy and intuitive operation.
- **Power Cord** Convenient 6 ft. cord.



How silverscreen[™] Works

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_2), a chemical reaction occurs. This reaction is referred to as *Photocatalytic Oxidation* (PCO). UV light can cause the TiO_2 media to degrade and begin to lose its effectiveness – in some cases as quickly as 90 days. Vornado's silverscreen^M technology uses a patented coating process to maintain the life of the TiO_2 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 airflow, 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 ef-



fectiveness 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, email consumerservice@vornado.com or call 1-800-234-0604. Cancel at anytime.



Part # MD1-0022 **HEPA Filter**



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



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



Part # MD1-0024 silverscreen™Tray

Understanding CADR

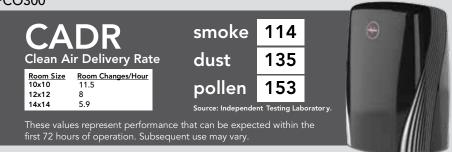
What is CADR?

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 is at capturing fine particles. Higher CADR rates indicate improved performance in all room sizes.

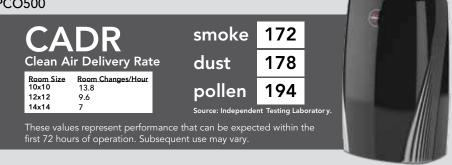
Note: The PCO500 Air Purifier is suggested for use in a single, closed room up to 265 square feet. The PCO300 Air Purifier is suggested for use in a single, closed room up to 175 square feet. Portable air cleaners will be much more effective in rooms when all the doors and windows are closed.

Tested per ANSI/AHAM AC-1 National Standard.

PCO300

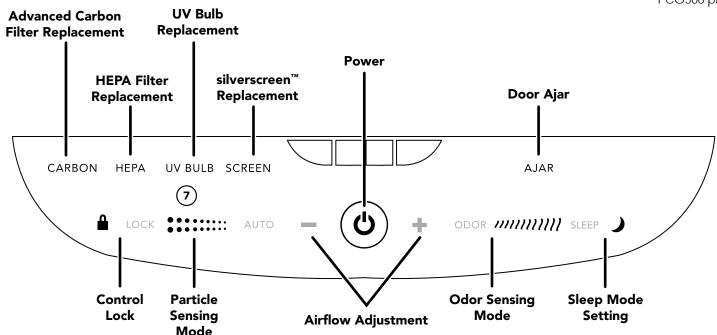


PCO500



Control Panel

PCO500 pictured



Automatic Light Dimming

After a short period of time, the control panel illumination will dim to not interfere with ambient environment lighting. Particularly ideal for darker rooms. Pressing any button will re-illuminate the control panel.

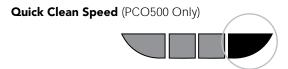
How To Use

Airflow Adjustment



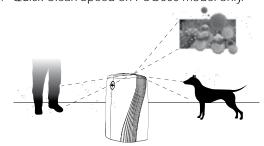
To select one of the airflow settings by pressing the "+" button to adjust to a higher speed or press the "-" button to adjust to a lower speed. The LED display will indicate the selected speed. Low, Medium and High speed settings are designed for day-to-day use.

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.



A high-speed filtration setting can be used to rapidly filter the air when airborne particle levels are high. Press the (+) on the fan speed control until the Quick Clean icon (highlighted above) is displayed. You will immediately notice a dramatic increase in airflow that will allow the unit to provide maximum air filtration. Due to increased sound levels, use of this mode is recommended only as conditions require.





When To Use: This feature allows the unit to reduce energy usage

How To Use

when fewer airborne contaminants are present in the room. Because active people and pets tend to stir up airborne particles and odors, the unit will tend to increase speed during peak periods of activity in the room until lower readings are obtained. This feature is ideal for rooms where activity fluctuates greatly based on the time of day.

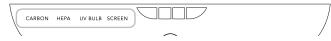
Sleep Mode Setting



This feature senses no light or low light conditions, and automatically adjusts the unit to low speed. Press the Sleep Mode button to engage this feature. The Sleep Mode icon (shown above) will display. Ideal for use in bedrooms. Higher and more powerful speeds may be used throughout the day with lower speeds and minimal noise being preferable at night.

Note: When in low light or no light, with sleep mode selected, the unit will only operate at low speed. This will override Particle Sensing Mode, Odor Sensing and high-speed settings. In regular light, the unit will operate at the previous setting.

Filter and Tray Replacement



Advanced Carbon Filter Replacement

Equipped with an indicator light to show when it is recommended to change the Advanced Carbon Filter. Please refer to FILTER REPLACE-

MENT 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. 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[™]. 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.

Control Lock

Prevent changes to control settings by activating the Control Lock. To activate, press Control Lock until icon () illuminates. Repeat to turn Control Lock Off.

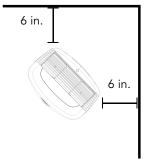
Door Ajar

Indicator light shows when Front Panel is not securely closed. Refer to FILTER REPLACEMENT on page 18 on how to properly replace door.

- **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.

<u>Filter Replacement</u>

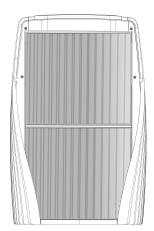
Genuine Vornado Accessories Are Recommended

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.

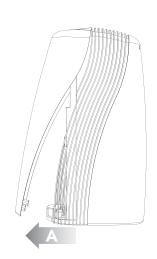
Note: PCO500 models have 2x the filters. Please replace filters according to your unit.

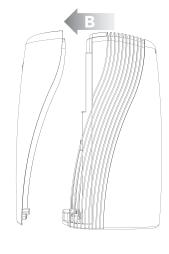


How To Replace Your Filters

- 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.

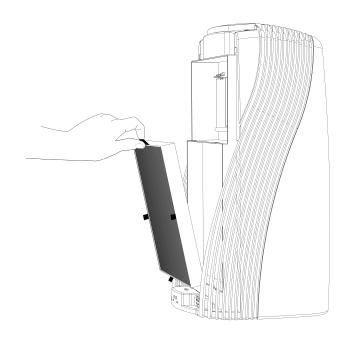




Filter Replacement

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

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.



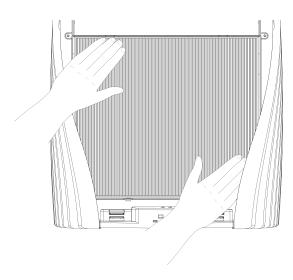
Filter Replacement

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.



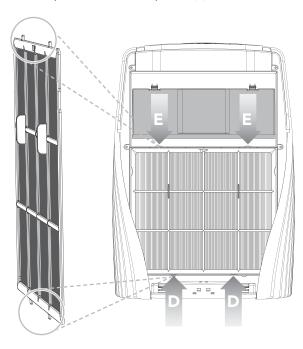
6. Replace with genuine Vornado Filters. Place the Filters in the unit and gently press around the perimeter of the Filter to ensure secure placement.

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.

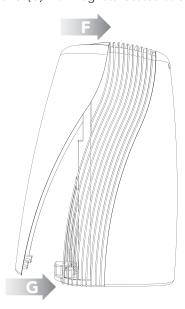


Filter Replacement

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).



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.

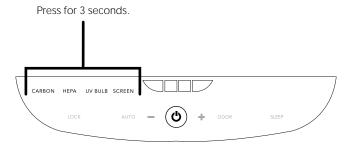


Safety Shut-Off Feature

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.

<u>Filter Replacement</u>

9. To reset the Replacement notification - Press and hold the RE-PLACE 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.

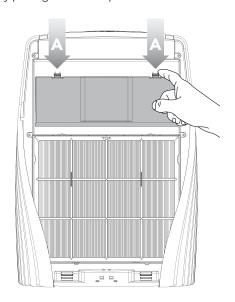


Note: Do not operate the Air Purifier without Vornado Advanced Carbon Filter and Vornado HEPA Filter in place.

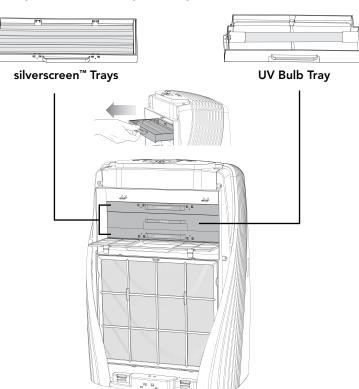
silverscreen[™] Tray and UV Bulb Replacement

Replacing Trays

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

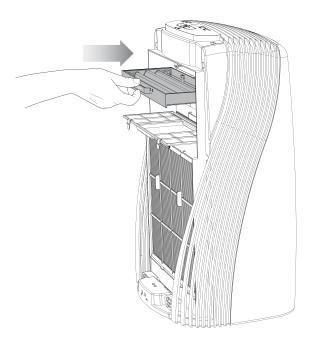


3. Remove the silverscreen™ Trays or UV Bulb Tray by pulling on the Tray handle. Discard any used Trays.

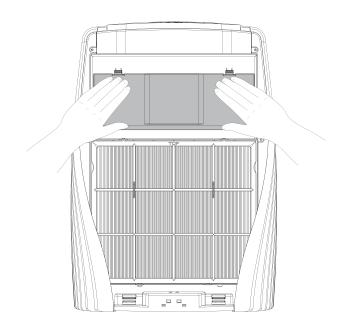


<u>silverscreen™</u> Tray and UV Bulb Replacement

- **4.** Replace with only genuine Vornado UV Bulb Tray or sliverscreen™ 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

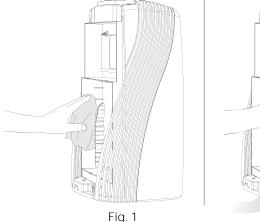
How to Clean

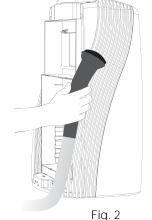
Because large volumes of air pass through your Vornado Air Purifier each day, it will need regular cleaning. It is recommended to clean the Permanent Pre-Filter and interior when large debris or heavy buildup becomes noticeable.

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).





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 14)
- **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
Unit fails to power On.	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.
Ajar Light is On.	Front Panel may not be properly installed. Remove and reinstall the Front Panel to assure proper placement. Refer to FILTER REPLACEMENT on page 18.
Airflow is weak or slow.	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 22.
	Airflow is blocked. Remove obstruction.
Sleep Mode is not working.	There may be too much light in the room. Either manually turn the unit to low speed for minimal sound or darken the room.
Particle Sensing Mode or Odor Sensing Mode is not working.	Sleep Mode may be selected. When in low light or no light, the unit will only operate at low speed. This will override Automatic Dust Sensing Mode. In regular light, the unit will return to Odor Sensing Mode operation.
	The unit has not detected enough particles in the area. The Particle Sensor will automatically detect level of particles and adjust its speed accordingly.

<u>Troubleshooting</u>

Problem	Possible Cause and Solution
Control Panel is not responding.	Control Lock may be enabled. If Control Lock () is illuminated, press the Control Lock () to unlock.
	The Control Panel is Touch Sensitive. Be sure to make solid contact when pressing the Control Panel. The Control Panel may not recognize quick taps or partial contact.
UV Bulb is not illuminating	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 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 products's serial number below (located on product specs decal).

Serial No.,	
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Product registration available online at www.vornado.com © 2014 Vornado Air LLC Andover, KS 67002 U.S. Patent 7,820,100, U.S. Patent 8,328,917, U.S. Patent 8,691,144 Specifications subject to change without notice. Designed and Engineered in the U.S.A. Manufactured in China. Vornado © is a trademark owned by Vornado Air LLC.



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