



VORNADO®

Owner's Guide

READ AND KEEP THESE IMPORTANT INSTRUCTIONS

Guide de L'utilisateur

LIRE ET CONSERVER CES INSTRUCTIONS IMPORTANTES

Guia del propietario

LEA Y TENGA EN CUENTA ESTAS INSTRUCCIONES IMPORTANTES



WHOLE ROOM EVAPORATIVE HUMIDIFIER

IMPORTANT INSTRUCTIONS

Read and Save These Instructions

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electrical shock and injury to persons, including the following:

1. **DO** read all instructions before using this Humidifier.
2. **DO** turn the Humidifier off if the relative humidity exceeds 60%. Humidity levels above 60% may allow moisture to build up indoors and condense on surfaces, where microorganisms can settle and grow. For accurate humidity readings, use a hygrometer which is available at most hardware stores and home centers.
3. **DO** unplug the Humidifier prior to moving, cleaning or refilling.
4. **DO** unplug and empty this Humidifier when not in operation.
5. **DO** empty water from the unit if the Humidifier is to be turned off and left for more than 12 hours, as leaving the water will encourage the growth of microorganisms. If this happens, thoroughly clean and disinfect the unit. (Refer to the WEEKLY MAINTENANCE.)
6. **DO** remove the Water Reservoir first if you need to move the Humidifier to another location.
7. This Humidifier requires periodic cleaning. Refer to the WEEKLY MAINTENANCE instructions provided. **DO NOT** clean the Humidifier in any manner other than as instructed in this manual.
8. **DO NOT** use this Humidifier on an uneven surface. Always place this Humidifier on a firm, flat surface.
9. **DO NOT** defeat the safety purpose of the polarized plug. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a SAFETY FEATURE. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact an electrician to replace the obsolete outlet.
10. **DO NOT** operate the Humidifier with a damaged cord or plug, after the Humidifier malfunctions, or has been dropped or damaged in any manner. Return to Vornado for examination, electrical or mechanical adjustment or repair.
11. **DO NOT** run power cord under carpeting.
12. **DO NOT** cover cord with throw rugs, runners or similar objects. Arrange the power cord away from traffic areas, so it will not become a tripping hazard.
13. **DO NOT** place the Humidifier near heat sources such as stoves, radiators or heaters.
14. **DO NOT** pour water through the top Outlet Air Grill on the Power Head.
15. **DO NOT** use undiluted bleach or ammonia, strong detergents, abrasive cleansers, gasoline, paint thinner or other solvents to clean this Humidifier. Use only water and mild detergents to perform daily maintenance on your Humidifier.
16. **DO NOT** ATTEMPT TO DISASSEMBLE THE POWER HEAD. DOING SO WILL VOID YOUR WARRANTY AND COULD CAUSE DAMAGE AND/OR PERSONAL INJURY. The Power Head contains no user serviceable parts. If you experience a problem, please see the limited warranty for information.
17. **DO NOT** repeatedly remove and replace the Water Reservoir. This will only fill the Base and water will spill out.
18. Humidifiers should be kept away from children and not be placed in a child's room without supervision.

See page 8 for parts listing and identification.

If you have any questions regarding this product, please call Vornado Consumer Services, toll-free at 1-800-234-0604, or consumerservice@vornado.com

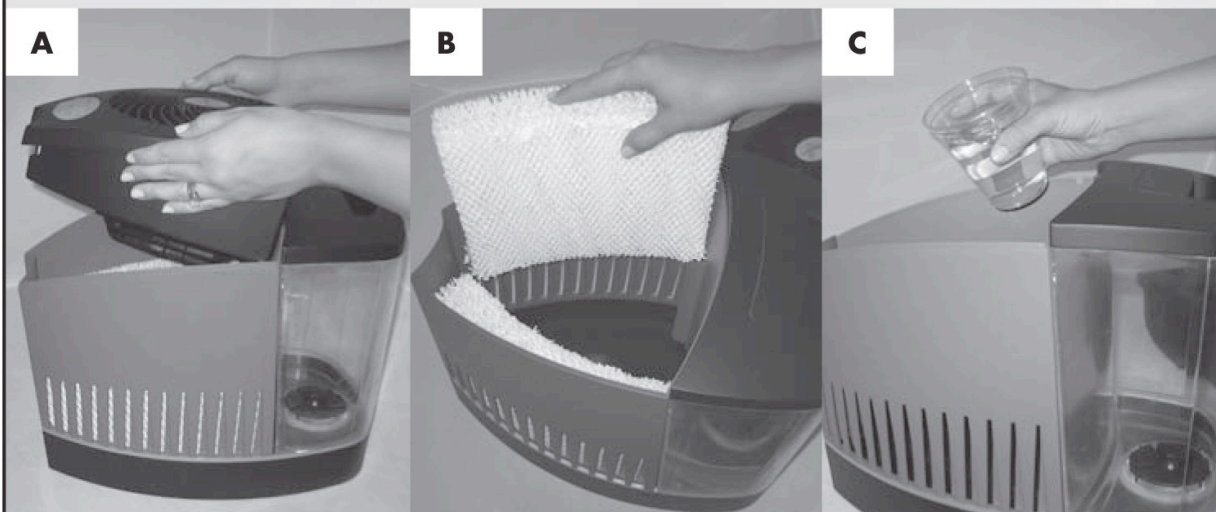
Before Operating

DO NOT lift the Humidifier out of the carton by the recessed handle on the Water Reservoir. This will cause the Reservoir to detach from the unit and might cause the Humidifier to drop and become damaged. Reach under the Humidifier in the carton, grasp and lift from the bottom.

Your new Humidifier uses a sizable volume of water, so we recommend checking the Base and Water Reservoir for leaks that may have occurred due to damage caused in shipping. Please note a visual inspection may not reveal hairline fractures.

To check for leaks:

- Place Humidifier on a water-resistant surface.
- Remove the Water Reservoir and fill with water to inspect for leaks (For instructions see FILLING AND INSTALLING THE WATER RESERVOIR.)
- Next, remove the Power Head (A) and Filters (B). Pour several cups of water into the Base to inspect for leaks (C).



Not Leaking?

Dump water from Base and install the full Water Reservoir (See FILLING AND INSTALLING THE WATER RESERVOIR for complete instructions).

Leaking?

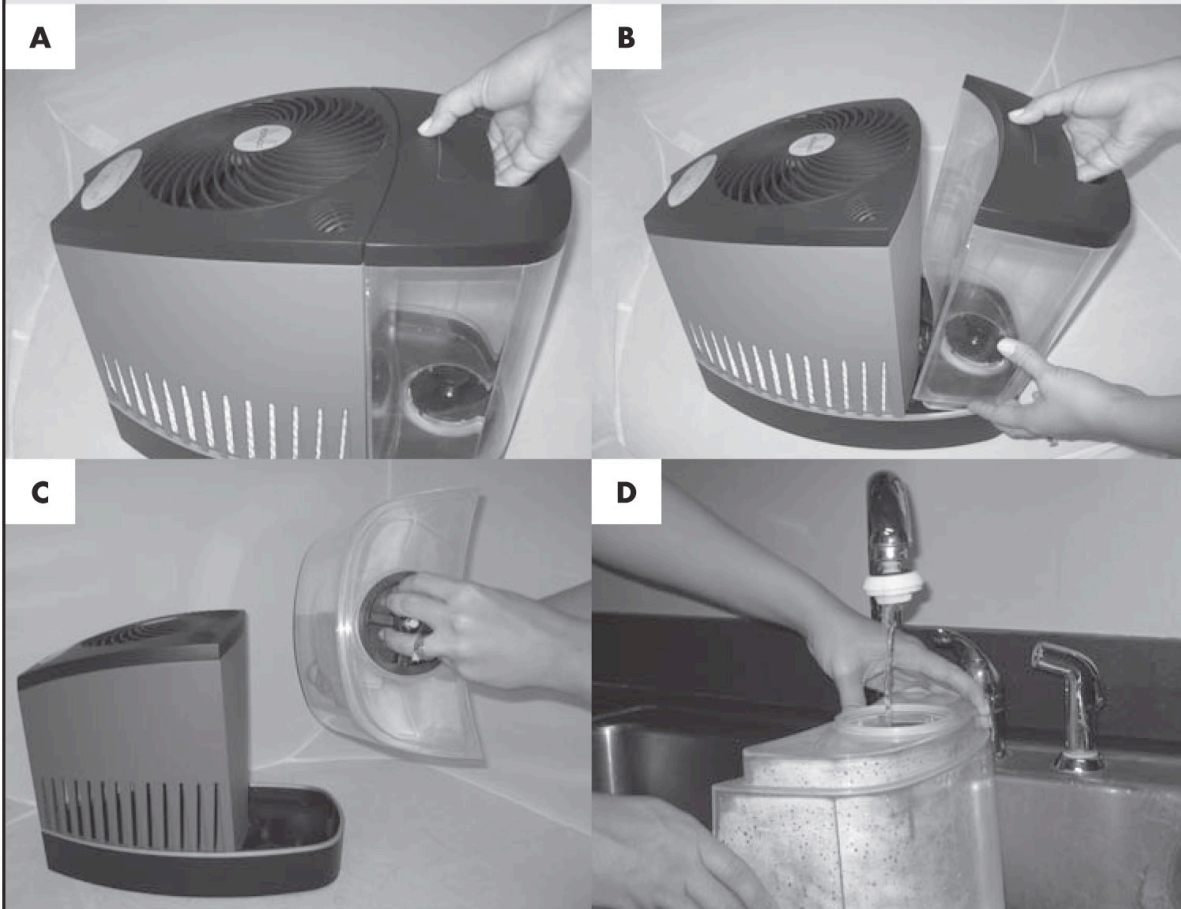
In the slight chance your Humidifier has leaks, contact Vornado Consumer Services and we will immediately replace these parts. 1-800-234-0604 or consumerservice@vornado.com

Filling & Installing the Water Reservoir

This Humidifier has a 2 gallon capacity and 3 gallon output in 24 hours. When it needs refilling, follow these simple instructions: Unplug the Humidifier. Be sure the Humidifier is placed on a firm, flat and level surface (we recommend the floor). As with any water filled appliance, spills can occur, so be careful when filling and installing the Water Reservoir, and cleaning or moving the Humidifier.

ADDING WATER

Remove the Water Reservoir by grasping the recessed handle on the top of the Reservoir (A). Lift and pull upward (B). Turn the Reservoir upside down. Remove the Cap assembly (C). If refilling the Reservoir, dump out any water left inside the Reservoir prior to refilling. Place the Reservoir in the sink upside down. The top of the Reservoir has a flat surface that can stand by itself during the fill operation. Fill the Reservoir with cool tap water (D). Once filled, insure the Gasket is in position and reassemble the Cap assembly. Some downward pressure may be needed to compress the Gasket prior to rotating the Cap assembly 1/4 turn clockwise to the fully installed position.



INSTALLING THE WATER RESERVOIR

Lower the Reservoir into the Base, positioning the fill port over the raised bump. The bump will activate the water outlet valve inside the Cap once in a nested position. Insure the Reservoir is setting firmly in the Base.

How to Use

STEP 1

Position the unit to not blow directly on objects or plants. Plug the unit into a 110-120 volt AC outlet.

STEP 2

To turn unit on, press the POWER button (A). The lights of the humidity (B) and fan speed (C) will turn on in the default setting - high fan speed, continuous humidity.

STEP 3

Select a fan speed and humidity level for the desired humidification. Use these general guidelines for operation:

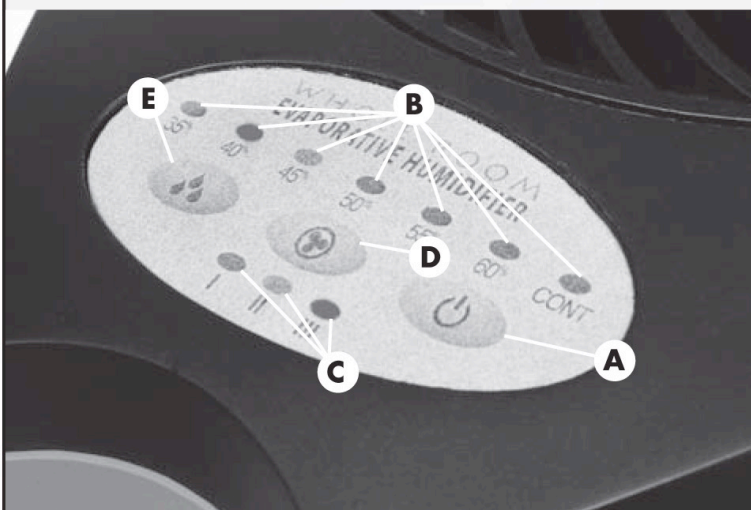
HIGH fan speed/higher humidity settings for fast humidification for larger rooms. High speed operation will evaporate 3 gallons of water (+/- 10%) in 24 hours of continuous operation. (This assumes room conditions of 70° F and 30% relative humidity.)

MEDIUM output for normal operation.

LOW operation is for quiet, nighttime operation or smaller rooms. On LOW operation, your Humidifier may run without refilling for extended periods.

STEP 4

Set the desired fan speed and desired humidity % level by pressing the appropriate buttons (D and E respectively) and indexing the setting through the options until the desired settings are reached. The indicator light will turn on at each level and setting. Once the desired humidity level and fan speed are set, the Humidifier will operate until the desired humidity level is reached. At this point, the fan will turn off and the fan speed indicator light will turn off. The humidity level indicator light will remain on. If the fan does not turn on, the humidity level setting may be lower than the actual room relative humidity level. Press the humidity % button, indexing the desired humidity level % higher, until the fan turns on. This is an indication of the level of humidity already in the room.



A. Power Button

B. Humidity Level LCD Indicator Lights - 35% - Continuous

C. Fan Speed - Low, Medium and High Indicator Lights

D. Fan Speed Control Button

E. Humidity Level Control Button

QUICK DAILY MAINTENANCE

1. Empty Reservoir before refilling with clean water. Rinse, wipe clean and dry with clean cloth or paper towel.
2. Refill Reservoir to fill mark with cool, clean tap water. Do not overfill.
3. Lower humidity control settings or turn off Humidifier if moisture forms on walls or windows.

Operating Guidelines

READ BEFORE USING

- A Humidifier is quite useful in supplying necessary moisture to dry air. It should be used with proper care to prevent over-humidification. A good rule of thumb would be to gauge the condensation or frost on windows. Adjust your Humidifier to a point where this condition is at a minimum. These adjustments should be made when major changes in outdoor temperatures occur. Humidifiers can be placed in any living area that has a location that is convenient and provides distribution of the moist air to the living area.
- The measured output of a Humidifier is based upon continuous operation at standard rating conditions. With normal variations of indoor and outdoor conditions, the Humidistat controlled Humidifier will not run continuously, at maximum output, unless the controls are set to do so.
- Initial Humidity requirements: When initially installed or when placed in operation at the beginning of each season, the Humidifier equipped with a Humidistat may run constantly for a day or so and thus evaporate large quantities of moisture. When the home and its furnishings have absorbed moisture and become stabilized at the desired humidity level, the amount of water used will diminish and the Humidifier operation will maintain the desired humidity level.
- If you do not follow the recommended care and maintenance guidelines, microorganisms may be able to grow in the water within the Humidifier's Reservoir and Base. (See CLEANING for care instructions.).

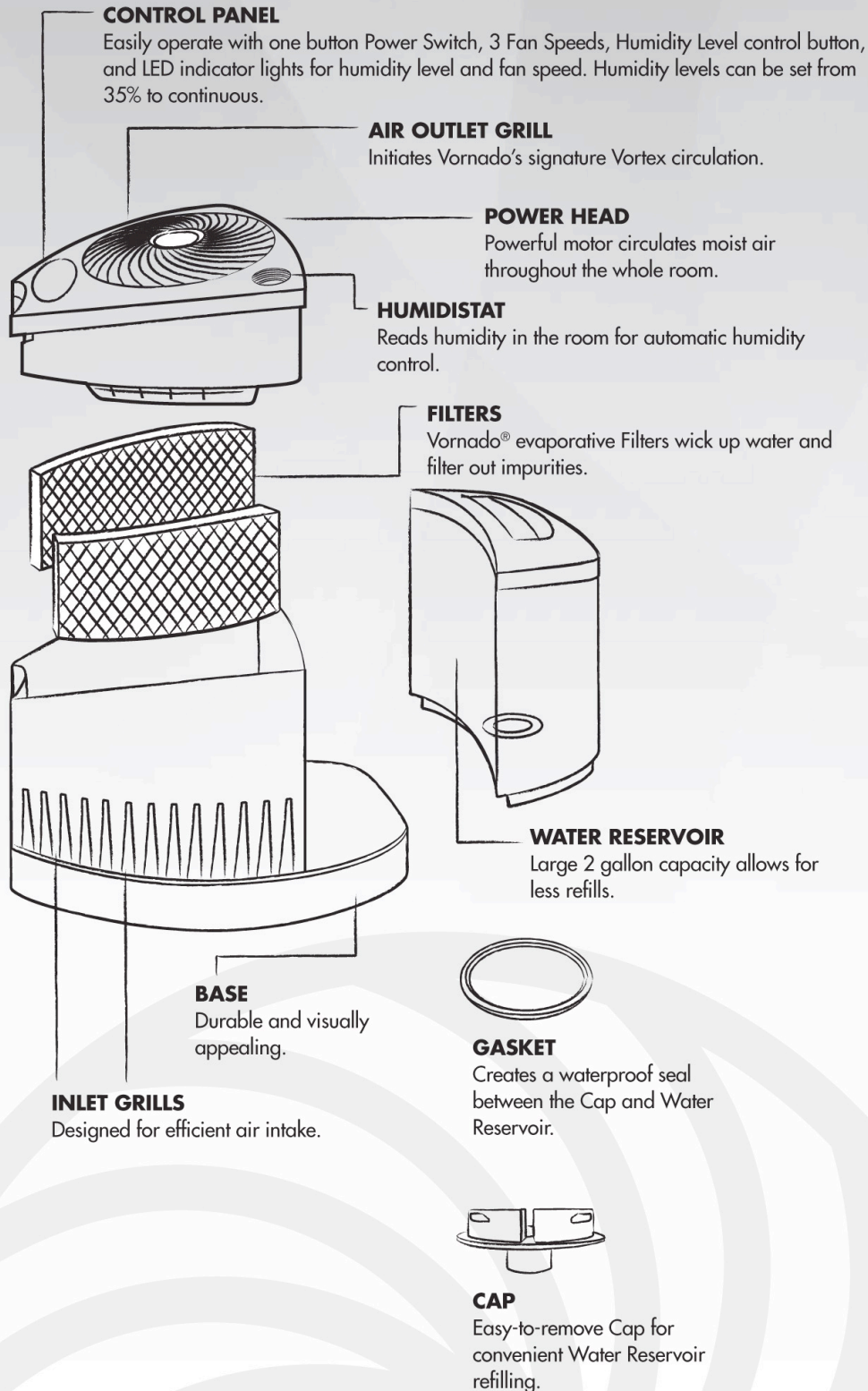
Operating Notes & Suggestions

There are several things to be aware of as your Vornado® Evaporative Humidifier is operating.

- It is normal to hear a bubbling or gurgling sound as water is dispensed into the Base.
- If you operate your Humidifier continuously, it may need to be refilled with water every day. Simply look through the Reservoir to be certain that there is an adequate water supply for operation.
- Protect the Water Reservoir from damage. Any holes or other damage to the Reservoir may cause them to dispense their entire contents and result in water spilling onto the floor or other surfaces.
- When installing the Filters, make certain they are in their proper position, lying flush along the open Grills inside of the Base.
- On first use, the Filters may give off a mild odor. The odor is not harmful and will go away after the first few hours of operation. If the odor is exceptionally strong, you can help eliminate most or all of it by soaking the Filters for 20 to 30 minutes in a solution of 1 gallon water to 2 teaspoons white vinegar. Rinse thoroughly.
- If you shut your Humidifier off with water in the unit and do not turn it back on for 12 hours or longer, you may experience some growth of algae or bacteria. If this happens, we recommend a thorough cleaning of the unit. (See CLEANING instructions.)
- We recommend you operate your Humidifier continuously. This helps maintain humidity all day long, costs only pennies a day, and will not harm the unit.

Vornado® Evaporative Humidifier Parts

While your Vornado® Evaporative Humidifier requires no assembly, you will need to know how to remove the Filters and Water Reservoir for cleaning, maintenance, and filter replacement. The components are as follows:



Cleaning

Cleaning is recommended for proper operation of your Vornado® Humidifier. We suggest following the AHAM (Association of Home Appliance Manufacturers) cleaning regiment several times during the season.

Step 1 Turn the Humidifier OFF and unplug the unit.

Step 2 Remove the Power Head, Water Reservoir and Filters from the Base.

Step 3 Empty the Base and Water Reservoir and rinse with clean tap water.

Step 4 As noted, depending on the quality of water in your home, impurities can build up quickly or may take some time. It is possible that some scale may form on the inside of the Base.

To clean Base:

1. Fill Reservoir with a solution mixed at a ratio of one (1) 8 oz. cup of undiluted white vinegar per 1 gallon of water. Let solution stay for 20 minutes.
2. Empty after 20 minutes and clean all interior surfaces with soft brush. Dampen soft cloth with undiluted white vinegar and wipe out Base to remove scale.
3. Rinse thoroughly with clean warm water to remove scale and cleaning solution before disinfecting the Base.

DISINFECTING THE BASE

1. Fill Base with a solution mixed at a ratio of 1 teaspoon chlorine bleach per 1 gallon of water. Let solution stay 20 minutes, swishing every few minutes. Wet all surfaces.
2. Empty Base after 20 minutes. Rinse with water until bleach smell is gone. Dry with clean cloth or paper towel.
3. We recommend replacing Filters after use, but to prolong the life of the Filters, disinfect by washing them in a solution of one teaspoon of chlorine bleach in one gallon of water. Rinse thoroughly to get rid of the bleach odor.
4. Reinstall the Filters, Power Head, and Water Reservoir. For proper operation, the Power Head, Base and Water Reservoir must be properly aligned.

End of Season Maintenance

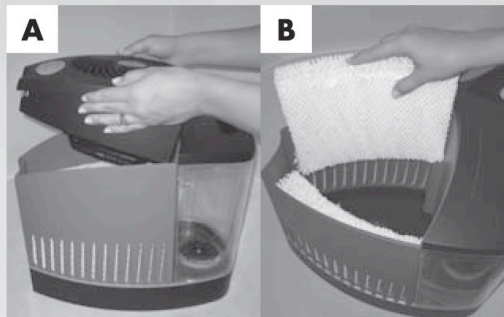
1. Follow weekly maintenance instructions at end of humidification season or when Humidifier will not be used for at least one week or more.
2. Let Humidifier dry completely before storing. Do not store with water inside Reservoir.
3. Store in cool, dry location.
4. Remove and discard the Filters if they are not suitable for reuse. Do not store the Humidifier with wet Filters. If the Filters are suitable for future use, remove and empty water from the Base and Water Reservoir, replace the Water Reservoir, turn the Power knob to the high fan speed and allow the unit to run until the Filters are completely dry. *Don't forget to purchase new Vornado Filters now so your Humidifier will be ready for the next season.*
5. Clean Humidifier before next season begins.

Filter Replacement

The Filters may accumulate minerals and other impurities that occur naturally in any water supply. While your Humidifier came equipped with two Filters, you will eventually have to replace them, as they last approximately 4-8 weeks, depending on use. You know the Filters need to be replaced when they become hard and are no longer absorbing the water effectively. Replace Filters with only genuine Vornado® brand Filters. While other brands may fit our units, these filters do not carry the same quality and life as our own and can diminish the Humidifier's performance.

To Replace Filters

- Step 1 Unplug the unit.
- Step 2 Remove Power Head (A).
- Step 3 Remove and discard used Filters (B).
- Step 4 Install new genuine Vornado Filters by making sure they are flush against the sides of the unit and touching the bottom of the Base.
- Step 5 Reattach the Power Head.



To Extend Filter Life

Problem: The additional sodium in chemically-softened water may cause Filters to harden or become mushy.

Solution: Try using untreated or tap water.

Problem: Hard water or water with excessive minerals such as lime or iron may shorten Filter life.

Solution: Try Bacteriostat or Water Treatment found at most hardware or home specialty stores. Or periodically remove the Filters and clean, by soaking them in cool tap water (enough to cover the Filters) and two teaspoons of white vinegar. Let stand 20 minutes, then rinse in cool water. Allow excess water to run off and dry before replacing them in the Base. **DO NOT** wring.

Problem: Leaving the Filters too long in a filled Humidifier without the fan running may cause mold, mildew, and deterioration.

Solution: If Humidifier is filled, do not leave it off for more than eight hours.

To Find Replacement Filters

Check your retailer for Vornado Filters or order by contacting Vornado Consumer Services at:

PH 1-800-234-0604

EMAIL consumerservice@vornado.com

WEB www.vornado.com

VORNADO'S AUTOMATIC FILTER REFILL PLAN

This Program offers a convenient and hassle-free way to receive regular shipments of genuine Vornado Humidifier Filters, direct to your door! Eliminate the hassle of remembering to reorder. Maintain the high efficiency of your Vornado Humidifier by regularly replacing used Filters with fresh new ones.

How it works: You select a plan and Vornado will send replacement Filters at the recommended maintenance interval. To sign up or for more information visit www.vornado.com or call 1-800-234-0604. Cancel anytime.

Vornado Air LLC 5-Year Limited Warranty

Vornado Air LLC warrants to the original consumer or purchaser that the Vornado® Evaporative Humidifier, is free from any defects in material or workmanship for the length of term as described above. If any such defect is discovered within the warranty period, Vornado Air LLC, at its discretion, will repair or replace the unit. This limited warranty covers parts failure or manufacturing flaw. It does not apply to defects resulting from abuse of the unit, modification, alteration, repair or service by anyone other than Vornado Air LLC, mishandling, improper maintenance, commercial use of the unit, damages which occur in shipment or are attributable to acts of God.

THIS WARRANTY IS THE ONLY ONE WE GIVE ON YOUR VORNADO EVAPORATIVE HUMIDIFIER. IT SETS FORTH ALL OUR RESPONSIBILITIES REGARDING YOUR VORNADO EVAPORATIVE HUMIDIFIER. THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED ABOVE. VORNADO AIR LLC SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THE WARRANTY. ANY IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THE EXPRESS WARRANTY.

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

HOW TO OBTAIN RETURN AUTHORIZATION

For warranty or repair service, email consumerservice@vornado.com or call 1-800-234-0604 to obtain a Return Authorization (RA) form. Please have or include your Evaporative Humidifier model number and serial number, as well as your name, address, city, state, ZIP code and phone number. After receiving the RA form in the mail, ship your Evaporative Humidifier postage-paid with a copy of the original dated receipt of purchase along with a check or money order for \$20.00 (to cover return shipping and handling) to:

Vornado Air LLC
415 E. 13th Street
Andover, KS 67002

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.

For your records: Staple or attach your original sales receipt to this owner's guide. Please also write your Evaporative Humidifier serial and model numbers below (located on product specs decal).

Serial No. _____

Model No. _____

Please allow 1-2 weeks for the repair and return of your Vornado Evaporative Humidifier after it has been received.

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Specifications subject to change without notice.

U.S. Patent Pending

Designed and Engineered in the USA. Manufactured in China.

PRODUCT REGISTRATION AVAILABLE ONLINE AT www.vornado.com

Vornado Consumer Services

P 1-800-234-0604 **W** www.vornado.com **E** consumerservice@vornado.com