

model EV5

EVAPORATIVE WHOLE ROOM
HUMIDIFIER OWNER'S GUIDE

READ AND SAVE
THESE INSTRUCTIONS

vornado.com

We expect this
product to be
perfect.

If it is not, we
will make it
right.

vornado.com
800-234-0604
help@vornado.com

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READ AND SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

This owner's guide and any additional inserts are considered part of the product. They contain important information about safety, use and disposal. Before using the product, please familiarize yourself with all operating and safety instructions. Please keep all documents for future reference and pass these documents on, together with the product, to any future owner. See www.vornado.com to view, download and print the most current version of this owner's guide.

INTENDED USE: This product is intended to humidify and circulate the air in indoor living spaces only in the United States. This product is not intended for commercial or industrial use. The manufacturer assumes no responsibility for damage or injury due to unauthorized use or product modification. Failure to follow these directions will void the product warranty.

WARNING: Risk to Children and Impaired Persons

Supervision is required during the installation, operation, cleaning and maintenance of this product by children age 12 years and younger and anyone with reduced physical, sensory or mental capabilities. Children should be supervised to ensure that they do not play with the appliance, its parts and packaging material.


INSTALLATION WARNING—To reduce risk of fire, electrical shock and injury to persons, observe the following:

- No part of this product (the appliance, power cord, plug, packaging, etc.) should be placed near furnaces, fireplaces, stoves or other high temperature heat sources.
- Do not use in a window, on an uneven or unstable surface, or near

water.

- The appliance, power supply, power cord and plug cannot come into contact with water. Do not use this product on wet surfaces.
- Do not use this product in a bathtub or shower or position product where it may fall into a bathtub, laundry, swimming pool or other water container.
- Do not use this product outdoors or expose it to weather or elements.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over. The cord should not hang over edges of counters or be placed where it can be crimped or closed in doors. Place appliance near an easily accessible outlet so the product can be unplugged quickly during an emergency.
- Do not modify the product with any aftermarket accessory.

WARNING—To avoid damage to the unit or power cord, and to reduce risk of fire, electrical shock and injury to persons, observe the following:

-  **WARNING:** To reduce likelihood of circuit overload, fire and electric shock, do not operate with a solid state speed device, such as a dimmer control switch.
- Do not operate unit if the unit has been dropped or damaged. Do not use this product if it has a damaged power cord or plug. To avoid risk of electrical shock, do not attempt to repair or replace parts. Only original replacement parts may be used. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard. Contact Vornado Consumer Service at 1-800-234-0604 (phone) or consumerservice@vornado.com (email) for further

instructions about replacement and repair.

- Risk of fire. Use only the power cord and plug provided.
- Before plugging power cord into electrical outlet, be sure that all electrical information on the rating label, including voltage, is compatible with your outlet's power supply.
- Never use the cord as a handle or otherwise yank, strain or stretch the power cord.
- While the product is plugged in, do not insert or allow foreign objects to enter any input or output opening as this may cause risk of electric shock or fire, or damage the product.
- A loose fit between wall outlet (receptacle) and plug may cause overheating and distortion of the plug. Discontinue use of the product in this outlet. Contact a qualified electrician to replace loose or worn outlets.
- This appliance has a polarized plug (one blade is wider than the other.) To reduce the risk of electrical 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.
- Before filling with water, moving, repositioning, servicing, cleaning and when not in use, use the product controls to turn off the power and then unplug. To disconnect from outlet, grasp and pull only the plug. Also, power off and unplug if the product will be left unattended for an extended period of time or during electrical storms.
- Electric shock can occur when liquid comes in contact with electricity. Be careful when removing the water tank and refilling to avoid electric shock. Do not pour water through the top Outlet Air Grille on the power head.
- 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 readings, use a hygrometer which is available at most hardware stores and home centers.

⚠️ SERVICING WARNING—To reduce risk of fire, electrical shock and injury to persons, observe the following:

- **⚠️ WARNING:** To reduce risk of injury to persons: Avoid finger contact with the fan blade on the underside of the Power Head. Before removing the Power Head from the humidifier, turn power off and wait until the fan blade comes to a complete stop.
- Wicks in the humidifier have been treated with antimicrobial preservative. This protection applies only to the wick (filter) and not the entire appliance. **WARNING:** Wash hands and avoid touching eyes after handling the wick (filter).
- Clean your product regularly, only as is instructed in this manual. Prior to cleaning, turn off the power on your product and unplug. Do not use gasoline, thinners, solvents, ammonias or other chemicals for cleaning. Refer to the **CLEANING** instructions provided.
- Do not open appliance housing while product is plugged in. To avoid risk of shock, all service and/or repairs must be done by a Vornado Authorized Service Center.
- Protect against the growth of mold, mildew and other microorganisms by emptying the water tank immediately after each use. If water is left in the tank for longer than 8 hours, thoroughly clean and disinfect the unit as described in the section of this Owner's Guide referenced as "CLEANING".

FCC Compliance Statement

This equipment has been tested and complies with the Part 15 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.

NOTE: This equipment has been tested and found to comply with the limits for a 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 product 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 product does cause harmful interference to radio or television reception, which can be determined by turning the product 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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Contact Vornado Consumer Service or the dealer or an experienced radio/TV technician for help.

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

Supplier's FCC Declaration of Conformity

Unique Identifier: Vornado Model EV5

Responsible Party: Vornado Air LLC

Mailing Address : 415 E. 13th St., Andover, KS 67002

Contact: www.vornado.com

SAVE THESE INSTRUCTIONS

GETTING STARTED

Before operating, ALWAYS lift from the bottom. Before use, check appliance for visible damage. DO NOT USE if there is evidence of damage. If any damage is found, contact Vornado Air, LLC at 1-800-234-0604.



Check for Leaks

Damage due to shipping may cause leaks in Base or Water Tank. A visual inspection may not reveal hairline fractures.

1. Place humidifier on a water-resistant surface.
2. Fill Water Tank with water to inspect for leaks.
3. Pour several cups of water into Base to inspect for leaks.

Not Leaking?

Empty water from Base and install full Water Tank.

Leaking?

In the slight chance your humidifier has leaks, contact Consumer Service and we will immediately replace damaged parts.

A humidifier is quite useful in supplying necessary moisture to dry air. It should be used with proper care to prevent overhumidification.



Tip

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 convenient location 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.

FEATURES

AIR OUTLET GRILLE

Initiates powerful circulation.

POWER HEAD

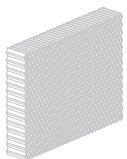
Powerful DC motor circulates humidified air throughout whole room.

AIR INLET GRILLE

Designed for efficient air intake.

BASE

Durable and easy to clean.



WICK (2)

Wicks up water and filters out impurities.



LED DISPLAY

Displays fan speed and humidity settings.

LID


For convenient Water Tank refilling.

WATER TANK

Easy install, clean and view water level. Large 1.5 gallon capacity tank allows for less refills.

FLOAT KNOB

Creates a waterproof seal between Water Tank and Base.

 **WARNING:** Pinch Hazard. Use caution with Power Head and Base.

 **WARNING:** Sharp corner at edge of Power Head.

FILLING WATER TANK

Note: Spills can occur during cleaning, moving or refilling the Water Tank, so be careful to avoid spills when doing these activities.



1. Unplug humidifier and place on a level surface.
2. Lift open the Water Tank Lid. The Water Tank Lid is removable to provide convenient access during the filling. **Note:** Never pick up the Water Tank by the Lid.
3. Fill the Water Tank with a pitcher or gallon jug. The humidifier has a 1.5 gallon capacity. Do not fill past the fill line indicator on the Water Tank.
4. Close Water Tank Lid.
5. Plug in humidifier to an approved power source.

Note: Do NOT carry Water Tank by the lid. Water Tank Lid is intentionally removable.



Note: Any additives, such as aroma fragrances should not be used in the Water Tank or Base. These additives can cause cracks in the plastic of the humidifier and may affect performance. Any use of such additives voids the manufacturer's warranty.

HOW TO USE

1. Position humidifier to not blow directly on objects or plants. Plug power cord into standard grounded wall outlet. Do not block Inlet.
2. To turn humidifier on, touch .
3. Set desired humidity: The humidifier will default to 50% humidity. Set humidity level by touching **-/+** until the desired humidification level appears on the display. Choose between 35-60% or to run Continuously. If Continuous Humidity is selected, **CO** will appear on the display and the fan will run continuously regardless of room humidity.
4. Set the fan speed by touching  to select speeds 1-5. The selection will flash for five seconds, then stay for 3 seconds, then will display the set humidity value.

FAN SPEED 5:

Operation for fast humidification of larger rooms.

FAN SPEEDS 3 & 4:

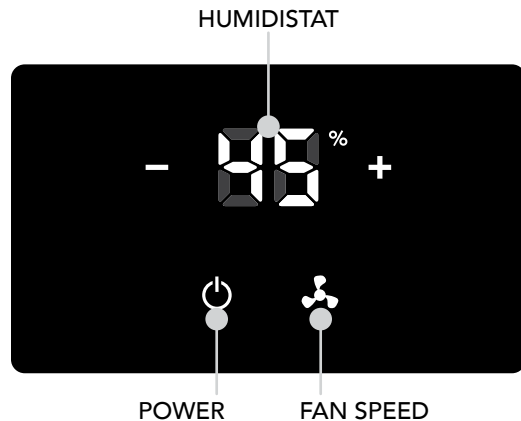
Operation for moderate humidification of mid-size to large rooms.

FAN SPEEDS 1 & 2:

Operation for quiet, nighttime use or smaller rooms. On speeds 1 & 2 operation, your humidifier may run without refilling for extended periods.

The humidifier will operate at the set fan speed if the room humidity is 3% less than set humidity. Once the room humidity is within 3% of the set humidity, the fan speed will decrease to half of the set fan speed. Fan will turn off completely once room humidity reaches 3% more than set humidity. If you wish for the fan speed not to lower or turn off, change the set humidity to **CO** for Continuous.

Note: The humidifier will store your settings during normal On/Off cycles. If the unit is unplugged, during next use, it will default back to previously set humidity and fan speed.




REPLACING WICK

While your humidifier came equipped with Wicks, you will eventually have to replace them, as they last approximately 4–8 weeks, depending on use. Many factors affect the life of the Wicks, including amount of use, water hardness and outside environmental factors. You will know the Wick needs to be replaced when it becomes hard and is no longer absorbing the water effectively. Replace the Wick with a genuine Vornado® Wick. While other brands may fit our units, these wicks do not carry the same quality and life as our own and may diminish the humidifier's performance.

REPLACING WICK

1. Turn humidifier Off and unplug.

 **WARNING:** Before removing Power Head, allow fan blade to come to a complete stop, approximately 10 seconds.

2. Remove Power Head. Avoid finger contact with the fan blade, which is accessible on the underside of the Power Head.

3. Remove and discard used Wicks.

4. Install new genuine Vornado Wicks. Make sure Wicks fit flush against bottom of unit and snug against the sides of the Inlet Grille.

5. Replace Power Head. Your humidifier is now ready for use.



Wicks contain an antimicrobial preservative. Protection is limited to the product. Wash hands and avoid touching eyes after handling wick.

The additional sodium in chemically softened water may cause Wicks to harden. Try using untreated or tap water. Hard water or water with excessive minerals, such as lime or iron, may shorten Wick life. Try Bacteriostat or Water Treatment found at most hardware or home specialty stores.

On first use, the Wick 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 Wick in a solution of 2 teaspoons of white vinegar and one gallon of water for 20–30 minutes. Rinse thoroughly in cool water. Allow excess water to run off and dry before replacing them in the Base. **DO NOT** wring.

AUTOMATIC REFILL PROGRAM

Part # MD1-0002

Select the shipment interval and Vornado will send replacement Wicks automatically. Eliminate the hassle of remembering to reorder. Maintain the high efficiency of your Vornado humidifier.


To sign up, visit vornado.com, email consumerservice@vornado.com or call 1-800-234-0604. Cancel anytime.

CLEANING

Proper cleaning is essential to the air quality and performance of your humidifier. The frequency in which your humidifier will need to be cleaned will vary depending on use, water hardness and outside environmental factors. It is recommended, assuming average use, to thoroughly clean the unit several times throughout the season, or when algae, mineral deposits or other particles begin to form.

Note: If the humidifier is turned off with water in Base and not turned back on for 8 hours or longer, or if humidifier is not cleaned as recommended, you may experience some growth of algae or bacteria. These microorganisms may become airborne.

1. Turn humidifier Off and unplug.

 **WARNING:** Before removing Power Head, allow fan blade to come to a complete stop, approximately 10 seconds.

Warning: Do not submerge humidifier in water. No part of the unit is dishwasher safe.

2. Remove Power Head, and Water Tank. Remove Wicks from inside Inlet Grille.
3. Release the Inlet Grille by twisting the Latch in the bottom of the Base clockwise. Lift the Inlet Grille up to remove.


4. Empty the Base. Clean Base, Water Tank and Inlet Grille with warm water and vinegar. Rinse and dry.

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

5. Clean the Power Head with a soft cloth or with a can of compressed air.
6. Reassemble humidifier. Ensure the Inlet Grille Latch is locked by twisting counter-clockwise.

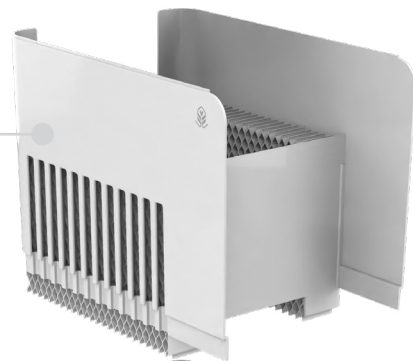
CLEANING

POWER HEAD

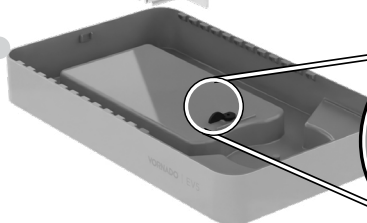
 **WARNING:** To avoid damage to power cord and the risk of electrical shock and injury to persons, NEVER lift Power Head by power cord.



INLET
GRILLE



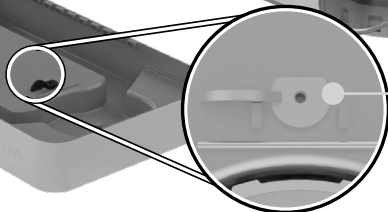
BASE



WATER TANK

Note: You can twist off the Float Cap on the bottom of the Water Tank to better access the inside of the tank.

LATCH



STORAGE

During the off-season or after extended periods of non-use, you may choose to store your humidifier. To ensure long life of the product, it is recommended to store your humidifier by following these instructions:



Cleaning is recommended before storage.

1. Unplug power cord and bundle loosely.
2. Let humidifier dry completely before storing. Do not store with water inside Water Tank or Base. Remove and discard Wick if it is not suitable for reuse. Do not store humidifier with wet Wick. If Wick is suitable for future use, remove and empty water from Base and Water Tank. Replace Water Tank, power On and select HIGH Fan Speed. Allow humidifier to run until Wick is completely dry.
3. Cover, or place back in retail carton if available. This will prevent humidifier from accumulating dust over time.
4. Store humidifier in cool and dry location.

TIPS

Be aware of several things as your Vornado® Evaporative Whole Room Humidifier operates:

- If you operate your humidifier continuously (which is recommended to maintain humidity all day), it may need to be refilled with water every day. Check the Water Tank to be certain that there is an adequate water supply for operation.
- Allow for optimum airflow by keeping the grille 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.
- Any additives, such as aroma fragrances or water conditioners, must not be used. These additives can cause cracks in the plastic of the humidifier and may affect performance. Any use of such additives voids the manufacturer's warranty.

DISPOSAL

Dispose of all packaging materials in an environmentally responsible manner.

TROUBLESHOOTING

PROBLEM

POSSIBLE CAUSE AND SOLUTION

Unit fails to power on.	<p>Unit is not plugged in. Plug power cord into electrical outlet.</p> <p>Household circuit breaker/ground fault circuit interrupter has tripped or blown fuse. Reset circuit breaker/ground fault circuit interrupter, or replace fuse. For assistance, contact licensed electrician.</p> <p>Unit is damaged or in need of repair. Cease usage and unplug. Contact Consumer Service for assistance.</p>
Fan will not turn on.	<p>The set humidity is lower than the room humidity. Increase the set humidity until the fan turns on, or change the set humidity to Continuous Humidity (CO).</p>
Unit makes bubbling or gurgling sound.	<p>This is normal. Water is being dispensed into Base.</p>
Unit is not producing desired amount of humidity.	<p>Water level in Tank is empty or too low. Refill with clean, cool tap water. See HOW TO USE for instructions.</p> <p>Unit has reached its set point. When set humidity level is reached, the Fan will turn off until humidity level in room drops below humidity set point.</p> <p>Airflow is blocked. Remove obstruction.</p> <p>Unit settings are too low. Set to High Fan Speed and Continuous Humidity (CO) for maximum humidity output.</p>
Wicks are in need of replacement too often.	<p>The additional sodium in chemically softened water may cause Wicks to harden. Try using untreated tap water or distilled water.</p> <p>Try adding Bacteriostat or Water Treatment, found at most hardware or home specialty stores to the water.</p>
Moisture forms on walls or windows.	<p>Lower set humidity or turn off humidifier.</p>



WARRANTY

We expect this product to be perfect. If you're not satisfied with this product, let us know.

We're Here to Help
800.234.0604
vornado.com
help@vornado.com

Vornado Air LLC ("Vornado") warrants to the original consumer or purchaser this Vornado® Evaporative Whole Room Humidifier ("Product") is free from defects in material or workmanship for a period of five (5) years from the date of purchase. If any such defect is discovered within the warranty period, Vornado, at its discretion, will repair or replace the Product at no cost.

For warranty or repair service: Call 1-800-234-0604 or email help@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. To file a contactless warranty claim, visit vornado.com/contact-us.

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.

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, mishandling, improper maintenance, commercial use or repair or service of the Product by anyone other than Vornado; damages which occur in shipment or are attributed

to acts of God. Improper product use, which includes using an external device that alters or converts the voltage or frequency of electricity, or shipping a Vornado product to a country not intended for use will void all warranties. Any unauthorized product modification, repair by unauthorized repair center, or use of non-approved replacement parts is not recommended and any consequences will not be covered by support services or product warranties. The product warranty will be honored only on models that are being used in the country intended. 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. The manufacturer assumes no responsibility for damage caused by failure to follow these instructions or improper product use. Any such actions will invalidate the product warranty.

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Designed, engineered and supported in USA.

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