

# Important Safety Instructions

## READ ALL INSTRUCTIONS BEFORE USING HUMIDIFIER, ESPECIALLY THESE BASIC SAFETY PRECAUTIONS.

1. Always place humidifier on a firm, flat, level surface, at least FIVE inches away from walls and heat sources such as stoves, radiators or heaters. Humidifier may not work properly on a non-level surface.
  2. Place humidifier in an area that is out of the reach of children.
  3. Before using the humidifier, extend the cord and inspect for any signs of damage. **Do not** use the product if cord has been damaged.
  4. Humidifier should always be unplugged and emptied when not in operation or while being cleaned.
  5. Never tilt or move the humidifier while it is in operation. Shut off and unplug before moving.
  6. Humidifier requires regular cleaning. Read and follow *Care and Cleaning* instructions.
  7. In certain areas, tap water is extremely hard, containing a higher-than-normal concentration of various minerals. These minerals can be emitted into the air, possibly causing adverse reactions in people with breathing difficulties. In such cases, use only distilled or demineralized water and clean the humidifier every day. (See *Care and Cleaning* instructions).
  8. If you have breathing difficulties, consult your physician before using any humidification product.
  9. In hard-water areas a white dust may form on furniture. This can easily be wiped away with a cloth. To avoid the white dust, use distilled water.
- ☞ As a condition of sale, the purchaser assumes responsibility for the proper care and use of this appliance in accordance with our printed instructions. The purchaser or user must judge for himself or herself when to use it and length of use.

# Troubleshooting

## IF THE UNIT DOES NOT OPERATE:

- Check that polarized plug is fully inserted into wall outlet.
- Check airflow. Are there any obstructions preventing airflow?
- The motor contains a temperature-limiting fuse. If the motor overheats, the fuse will trip and shut off the motor. Unplug the unit and contact our Consumer Service Department. Do not attempt to repair the motor yourself.

## IF YOU DO NOT OBTAIN ENOUGH HUMIDITY:

- Because of break-in characteristics, maximum output will not be reached until the unit has been used several times. If the air in the room is extremely dry, there will be greater absorption of the vapor and faster depletion of the water reservoir. As the humidity increases, output will decrease and adding of water will be required less frequently. This variation is normal.
- Under certain conditions the moisture output may not be visible. It is operating properly, however, if the water level goes down during usage, even when you cannot see the vapor.
- The DynaFilter cartridge may be clogged with pollutants and should be replaced.

## IF YOU ARE OBTAINING TOO MUCH HUMIDITY AND WATER FALLS OUT AROUND THE UNIT:

- Room air may be excessively humid (greater than 50% relative humidity); do not use humidifier. Oversaturated air can cause condensation on cold walls or furniture. For proper humidity readings, use a hygrometer available in most hardware and department stores.
- The humidifier may need cleaning. Follow *Care and Cleaning* instructions.
- Medication or other additives may have been added to the water. Follow *Care and Cleaning* Instructions.

# Limited Warranty

Models 4100, 4200 and 4220 are warranted against defective material or workmanship for 2 years from the date of purchase. Any defective part will be repaired or replaced at no charge if it has not been tampered with and appliance has been used according to these printed directions. This Warranty gives you specific legal rights as well as other rights which vary from state to state.

If you experience unsatisfactory operation, first refer to the troubleshooting section above to ensure that it is not due to care or cleaning. Follow Care and Cleaning instructions.

If you have any questions or comments, call the Kaz Consumer Service Department at (800) 827-6712 or, write to Kaz, Consumer Service Dept., One Vapor Trail, Hudson, NY 12534, explaining just how the product is operating. Specify model number. Our Consumer Service Representative will advise you how to correct the problem yourself, or will ask you to return the product for repair or replacement.

# Order Information

To order replacement parts or DynaFilter K14 cartridge, follow these simple instructions:

## CREDIT CARD PAYMENT

We accept Visa® and MasterCard®.

## TO ORDER BY PHONE

Call toll-free by dialing 1-800-827-6712. Please have your credit card handy for payment. Minimum credit card order is \$10.00.

## TO ORDER BY MAIL

Mail your order to Kaz Consumer Service Department, One Vapor Trail, Hudson, NY 12534. Please clearly print your name, mailing address, products ordered, and price extension. Enclose check or money order payable to Kaz, Incorporated (no cash, please). Orders by personal check will be held 10 days for bank clearance.

## TO ORDER BY FAX

Fax your order to Kaz Consumer Service Department at 1-518-828-2015. Please clearly print your name, mailing address, products ordered, and price extension. Specify either Visa® or MasterCard®, card number and expiration date, then *sign your order*. Minimum credit card order is \$10.00.

## TO ORDER VIA THE INTERNET

E-Mail us at [consumerservice@kaz.com](mailto:consumerservice@kaz.com). Be sure to include your name, mailing address, products ordered, and price extension. Specify either Visa® or MasterCard®, card number and expiration date. Minimum credit card order is \$10.00.

- ▶ DynaFilter K14-3 pack of 3 DynaFilters \$9.00
  - ▶ Output Grille for Model 4200 or Model 4220 \$2.00
- Add \$4.00 per order for postage and handling. New York State residents please add applicable sales tax.

Note: Prices are subject to change without notice.

**kaz**

KAZ, Incorporated  
One Vapor Trail  
Hudson, NY • USA • 12534  
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**IMPORTANT!**  
**READ AND SAVE THESE INSTRUCTIONS**

# HealthMist<sup>®</sup> Humidifier

## USE AND CARE MANUAL

Models 4100 • 4200 • 4220



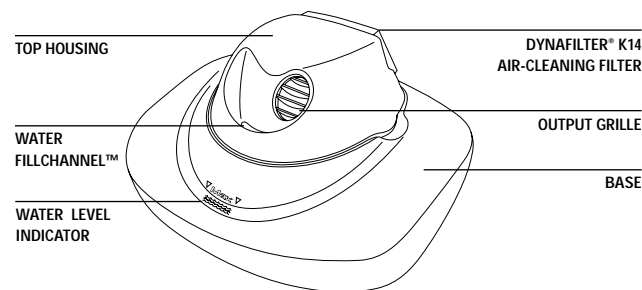
☞ If you have any questions about the operation of your humidifier, please call our toll-free Consumer Service Line at 800 827-6712.

**kaz**<sup>®</sup>

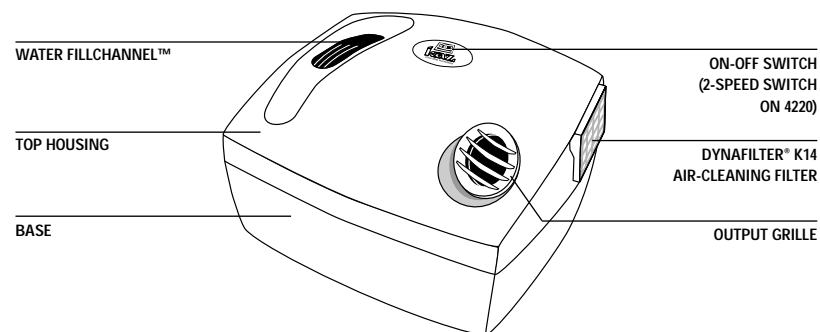
*Manufacturing Quality Healthcare Products for over 75 Years*

# How Your Humidifier Works

## MODEL 4100



## MODELS 4200 AND 4220



The Kaz HealthMist® 4100, 4200 and 4220 models produce a cool mist through revolutionary new cyclone technology. The motor-driven impeller draws up water through a pickup tube. Centrifugal force throws the water through a screen into the vortex chamber, breaking up the water into a superfine, cool mist.

Each of these cool mist humidifiers restores healthy humidity levels to dry indoor air more efficiently than other impeller-type humidifiers.

## THE AIR-CLEANING DynaFilter®

Kaz cool mist humidifiers include the exclusive Kaz DynaFilter K14. The DynaFilter removes dust, pollen, odors and tobacco smoke from the air, removing 93% of particles as small as pollen.



Under normal environmental conditions, the filter cartridge should be replaced every two months. Replacement time will vary depending upon the concentration of pollutants in the air. If you notice heavy dirt accumulation on the filter or if the humidifier output is significantly reduced, **it's time to change to a new DynaFilter!**

Kaz DynaFilter K14 cartridges are available at leading pharmacies and drug departments. You may also order directly from Kaz (see *Order Information* on back page).

# Read and Save These Instructions

- 1. CAUTION: UNRAVEL CORD BEFORE USE.** Failure to do so could cause overheating and possible fire hazard. Always disconnect cord at wall plug before removing the Top Housing or when humidifier is not in use.
- 2. INSERT DYNAFILTER CARTRIDGE.** Simply remove the outer protective wrap and insert the DynaFilter cartridge into the recess of the Top Housing (WHITE FILTER OUT). Inspect used DynaFilters. If you notice heavy dirt accumulation, it's time to replace the DynaFilter.
- 3. PLACE HUMIDIFIER IN A SAFE POSITION** on floor, table or other FIRM, FLAT and LEVEL surface. Protect rug, floor or furniture by placing unit on a waterproof non-conducting pad or mat for protection against inadvertent spillage. **Do not** place any object over the humidifier; it could block air openings.

Cord should be out-of-the-way, where it cannot be pulled or stepped on.

When used therapeutically, the humidifier should be placed at least 4 feet from bedside and out of the reach of children.

- 4. FILL CAREFULLY.** The exclusive Kaz FillChannel™ permits convenient filling without removing the Top Housing. Model 4100: Pour cool tap water into FillChannel. Fill until water level reaches Water Level Indicator on the front of bowl.

Models 4200 and 4220: Look down into the FillChannel. You will see the FILL TO HERE marking on lower step. Using a pitcher, add cool tap water. Fill only to this mark.

**IMPORTANT:** DO NOT OVERFILL, as this will cause water spillage and possible damage to floors or furniture.

- 5. PLUG IN HUMIDIFIER.** Be sure that switch is in the Off (o) position (Models 4200 and 4220 only). Plug power cord into wall.

**CAUTION: DO NOT PLUG IN THE CORD WITH WET HANDS; ELECTRIC SHOCK COULD RESULT.**

This product has a polarized plug (one blade is wider than the other) as a safety feature. The plug will fit into a polarized outlet only one way. If the plug does not fit properly into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. **Do not attempt to defeat this safety feature.**

- 6. FOR MODEL 4200:** Turn switch to the On (I) position.

**FOR MODEL 4220:** Turn switch to either of the two speeds - Low (I) or High (II).

**CAUTION:** Turn off the humidifier if moisture condenses on cold surfaces or walls. Room air may be excessively humid.

- 7. DIRECTING MIST (Models 4200 and 4220 only)** Rotate Output Grille or turn product to prevent mist from settling on tables or other pieces of furniture.

**IMPORTANT:** To maintain proper operation of your humidifier, be sure to follow *Care and Cleaning* instructions.

## Care and Cleaning

Tap water may contain pollutants and minerals (scale) that can deposit on the inner surfaces of the humidifier. Such scale can accelerate the growth of microorganisms and it is important that periodic cleaning is performed as outlined below. More frequent cleaning may be necessary if you notice a heavy build-up of scale.

### INSPECT THE DYNAFILTER

Remove and inspect the DynaFilter cartridge for dirt and dust accumulation. If you notice heavy accumulation, the filter needs to be replaced. If filter is not changed regularly, dust and other pollutants will clog the filter, impair air flow, reduce the efficiency of the humidifier and may damage the motor.

### DAILY MAINTENANCE

- 1.** Model 4100: Unplug cord from electrical outlet. Models 4200 and 4220: Turn the switch to the Off (O) position and unplug the cord from electrical outlet.
- 2.** Remove Top Housing and place **upside down** on a flat surface. For model 4100, use lift tabs on both sides of Top Housing to remove. **Do not** set down on the Pickup Tube. Rinse Base, wipe clean, and dry with a clean cloth or paper towel.
- 3.** Wipe exterior surfaces of the Top Housing with a soft, dry cloth. **CAUTION: DO NOT USE WATER TO CLEAN THE TOP HOUSING. ELECTRIC SHOCK MAY RESULT OR HUMIDIFIER MAY BE DAMAGED. DO NOT IMMERSE TOP HOUSING IN WATER.**
- 4.** Replace Top Housing. Humidifier is now ready for use.

### WEEKLY MAINTENANCE

#### Removing Scale

- 1.** Model 4100: Unplug cord from electrical outlet. Models 4200 and 4220: Turn the switch to the Off (O) position and unplug the cord from electrical outlet.
- 2.** Remove Top Housing and place **upside down** on a flat surface. **Do not** set down on the Pickup Tube.
- 3.** Empty any remaining water from Base.
- 4.** Carefully loosen the Pickup Tube from the housing by holding the Disk and rotating the Pickup Tube counterclockwise in the direction of the "OFF" arrow located at the base of the Pickup Tube.
- 5.** Soak Pickup Tube in undiluted white vinegar. Let stand for 20 minutes.
- 6.** Dampen a soft, clean cloth or sponge with undiluted white vinegar and wipe out Base, Pickup Tube and walls around the Pickup Tube. **CAUTION: DO NOT** use soap, detergents or abrasive cleaners.
- 7.** Rinse Pickup Tube and Base thoroughly in clean, warm water until scale particles are removed.
- 8.** Wipe exterior surfaces of the Top Housing with a soft, dry cloth. **DO NOT IMMERSE OR SPRAY WATER ON THE TOP HOUSING.** You are now ready to disinfect the base.

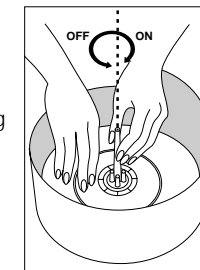


Figure A

#### Disinfecting the Base

- 1.** Fill Base with one teaspoon of household bleach in 1 gallon of water. Place the Pickup Tube in the Base and let remain for 20 minutes. Stir every few minutes to insure that all surfaces are coated.
- 2.** Empty Base after 20 minutes. Thoroughly rinse the Base and Pickup Tube with water until bleach smell is gone. Dry with clean cloth or paper towel.
- 3.** Wipe all exterior surfaces of the Top Housing with a soft, dry cloth. **BE CAREFUL NOT TO IMMERSE OR SPRAY WATER ON THE TOP HOUSING. ELECTRIC SHOCK MAY RESULT OR HUMIDIFIER MAY BE DAMAGED.**
- 4.** Carefully re-attach Pickup Tube by inserting the prongs into the slots in the Disk. While holding the Disk steady, rotate the Pickup Tube clockwise in the direction of the "ON" arrow located at the base of the Pickup Tube.
- 5.** Replace Top Housing on Base. Humidifier is now ready for use.

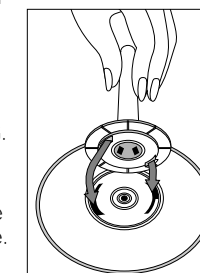


Figure B

### END OF SEASON MAINTENANCE

#### OR WHEN HUMIDIFIER WILL NOT BE IN USE FOR AT LEAST ONE WEEK

- 1.** Clean and dry the humidifier thoroughly as per the *Weekly Maintenance* instructions above.
- 2.** Store in a cool, dry location. **DO NOT STORE WITH WATER INSIDE THE BASE.**