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BIONAIRE CP2550 Owner's Manual

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----- Manual continues below -----

 **BIONAIRE®****WARM MOISTURE** humidifier
MODEL CP2550

Read instructions before operating. Retain for future reference.

Instruction Leaflet

 **INFO-LINE**

If after having read this leaflet, you have any questions or comments on your humidifier, call **1-800-788-5350** in North America.

⚠ HUMIDIFIER SAFETY

PLEASE READ AND SAVE THESE IMPORTANT SAFEGUARDS.

IMPORTANT INSTRUCTIONS

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

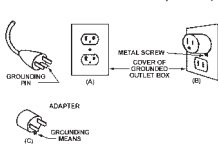
1. Read all instructions before using the appliance.
2. To avoid fire or shock hazard, plug the appliance directly into a 120V AC electrical outlet.
3. Keep the cord out of heavy traffic areas. To avoid fire hazard, NEVER put the cord under rugs, near heat registers, radiator, stoves, or humidifier.
4. DO NOT place humidifier near heat sources such as stoves, radiators, and heaters. Do locate your humidifier on an inside wall near an electrical outlet. The humidifier should be at least 4" away from the wall for best results.
5. NEVER place humidifier in an area where it is accessible to children. NEVER use humidifier in a closed room, particularly where a child may be sleeping, resting, or playing (a closed room may result in excessive humidity).
6. WARNING: Do not attempt to refill humidifier without first unplugging the unit from its electrical outlet. Failure to heed this warning may cause personal injury. Be sure to pull by the plug and not the cord.
7. NEVER drop or insert any object into any openings. DO NOT place hands, face, or body directly over or near Moisture Outlet while unit is in operation. DO NOT cover Moisture Outlet or place anything over it while the unit is operating.
8. DO NOT operate any appliance with a damaged cord or plug, after the appliance malfunctions, or if it has been dropped or damaged in any manner. Return appliance to manufacturer for examination, electrical or mechanical adjustment, or repair.
9. Use appliance only for intended household use as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons. The use of attachments not

recommended or sold by Bonaire® may cause hazards.

10. DO NOT use outdoors.
11. Always place humidifier on a firm, flat, level surface. A waterproof mat or pad is recommended for under the humidifier. NEVER place it on a rug or carpet, or on a finished floor that may be damaged by exposure to water or moisture.
12. DO NOT allow the Moisture Outlet to directly face the wall. Moisture could cause damage, particularly to wallpaper.
13. Humidifier should be unplugged when not in use.
14. NEVER tilt, move, or attempt to empty unit while it is operating. Shut off and unplug before removing the water tank and moving the unit. DO NOT attempt to remove the water tank within 15 minutes after the humidifier is turned off and unplugged. Serious injury may result.
15. This humidifier requires daily and weekly maintenance. Refer to daily and weekly cleaning procedures.
16. NEVER use detergents, gasoline, glass cleaner, furniture polish, paint thinner, or other household solvents to clean any part of the humidifier.
17. Excessive humidity in a room can cause water condensation on windows and some furniture. If this happens, turn the humidifier OFF.
18. DO NOT attempt to repair or adjust any electrical or mechanical functions on this unit. Doing so will void your warranty. The inside of the unit contains no user serviceable parts. All servicing should be performed by qualified personnel only.

CONSUMER SAFETY INFORMATION

This product is for use on 120 volts. The cord has a plug (A) as shown. An adapter (C) is available for connecting

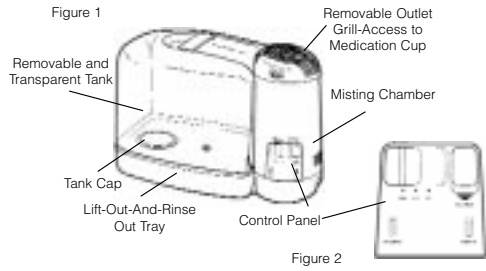


three-blade grounding-type plugs to two-slot receptacles (B). The green grounding lug extending from the adapter must be connected to a permanent ground such as a properly grounded outlet

box. The adapter should not be used if a three-slot grounded receptacle is available.

DO NOT DEFEAT THE SAFETY PURPOSE OF THIS GROUNDED PLUG IN ANY WAY.

The length of cord used on this appliance was selected to reduce the hazards of becoming tangled in, or tripping over a longer cord. If a longer cord is necessary, an approved extension cord may be used. The electrical rating of the extension cord must be equal to or greater than the rating of the humidifier. Care must be taken to arrange the extension cord so that it will not drape over the countertop or tabletop where it can be pulled on by children or accidentally tripped over.



HOW YOUR WARM MOISTURE HUMIDIFIER WORKS

Lack of humidity in the air, often caused by winter heating, can dry out your nose, throat and skin. Excessive dryness can also damage furniture, carpets and fabrics.

Warm Moisture humidifiers put moisture back into the air you breathe to help relieve sinus and respiratory discomforts, reduce annoying static electricity and provide a healthy growing environment for your indoor plants.

Water is fed from the tank into a removable tray which can be rinsed from the tray when the tank runs out of water (see "Cleaning and Maintenance").

Air is drawn in through the grill openings and mixes with steam in the misting chamber. The warm mist is then dispersed out of the top of the misting chamber through the outlet grill.

The resulting sterile and mineral-free warm, moist air will rapidly increase the moisture level in a room to a comfortable level.

The unit is conveniently refilled with water by taking only the removable water tank to a water tap. The automatic shut-off valve allows the tank to be lifted out and removed without any water spillage.

A suitable medication can be placed in the medication cup and warmed.

POWER Light - When illuminated, indicates that the power is on.

LOW WATER INDICATOR Light ("EMPTY") - When illuminated, indicates that the water tank needs refilling and/or that the tray and heating element need cleaning. See the "Cleaning and Maintenance" section for more information.

HUMIDITY Control - This control is used to turn your unit on or off and to set humidifying mist output to low or high levels.

RESTART Button - This control restarts the humidifier after it has shut down due to an empty water tank or after it has been cleaned. The "RESTART" button needs to be pressed after each filling/cleaning. The "EMPTY" light will remain illuminated after refilling until the "RESTART" button is pressed.

OPERATING INSTRUCTIONS

1. Place your Warm Moisture humidifier in the desired location. A hard, level, water-resistant surface is necessary for proper operation.
2. Remove the water tank and fill it with water as directed under the heading "Filling the Water Tank". Make sure that the removable tray is in place and the misting chamber is latched. Place the water tank back in the unit and allow one minute for the water to fill the tray.
3. Plug the power supply cord into the most convenient 120V AC wall outlet.
4. Turn your humidifier on by sliding the Humidity Control to the "LO" or "HI" position. The green "ON" light will illuminate at this time. It may take up to 5 minutes before full mist output is obtained.
5. When all the water in the tank has been used, the "EMPTY" light will illuminate. After refilling the tank, it is necessary to press the "RESTART" button to reactivate the humidifier; this will also extinguish the refill light.

Note: Allowing your humidifier to run out of water before filling the tank helps to self-clean the heating element.

SETTING THE HUMIDITY CONTROL

Choose the desired humidifying output by adjusting the Humidity Control to "HI" or "LO". In a very dry room, the "HI" setting may be used to rapidly establish a comfortable level of humidity. Once the room is comfortable, you may set the control to the intensity level appropriate to the size of the room. If moisture forms on the walls or windows, lower the setting or turn off the humidifier. Please note that when the "LO" setting is used, there is still out put even though the "mist" may not be visible.

To monitor the actual humidity level in a room, we recommend the use of a humidity meter such as the BIONAIRE® Digital Humidity and Temperature Monitor BT400 or BT254, which can be purchased by calling our Consumer Service Dept. at 1-800-788-5350.

FILLING THE WATER TANK



Figure 3

When the water tank is empty, the "EMPTY" light will illuminate and no moist air will be produced until the water tank is refilled.

1. Switch the humidifier off.
2. Lift out the tank and carry it to a water tap.
3. Twist the tank cap counter-clockwise approximately 1/4 turn. The cap should now lift away.
4. Fill the tank with cool tap water.
5. Replace the tank cap, making sure the large O-ring is in its correct position. Occasionally apply a thin coat of petroleum jelly to the O-ring to ensure easy removal of the tank cap.
6. Carry the full tank with both hands and carefully replace it into your humidifier. Wait a few minutes for the tray to refill.
7. Turn the unit back on.
8. Press the "RESTART" button. The "EMPTY" light should extinguish and moist air will be emitted within a few minutes.

Note: At "HI" setting, the tank may last up to 28 hours.
At "LO" setting, a full tank may last up to 56 hours.

WARNING: All cleaning agents must be thoroughly rinsed away after use and before the unit is returned to service.

USING THE MEDICATION CUP

A medicated vapor can be distributed with the "mist" output.

To add medication to the vapor:

1. Switch humidifier off and allow removable cover - outlet grill to cool down.
2. Lift the removable cover off (Figure 4) to access the medication cup.
3. Remove the medication cup from the misting chamber.
4. Carefully add liquid medication; do not fill cup more than half full.
5. Carefully place the medication cup



Figure 4

into the top of the misting chamber.

6. Replace the removable cover back on to the unit.
7. Switch unit on and press RESTART BUTTON if power light does not illuminate.
8. After use, remove the cup from the unit and clean any residue from the cup with warm water.

Note: Do not add medication while the unit is in operation.

CLEANING AND MAINTENANCE

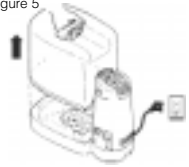
Before cleaning, please note the following:

- DO NOT use soap, detergents, abrasives, gasoline, glass or furniture polish, or boiling water to clean any part of your humidifier. These will interfere with the proper operation of your humidifier.
- DO NOT use sharp or metal objects to clean mineral deposits in the tray or element. Contact with sharp objects can result in damage to the plastic and the element.
- We recommend that the tray be rinsed daily and that the unit be allowed to run out of water every second day.
- Mineral deposits should be soaked in BIONAIRE's Clean-Away® solution or plain vinegar. DO NOT operate unit while it is soaking!
- DO NOT clean any part of your humidifier in the dish washer.
- NEVER mix bleach and Clean-Away® solution!

Cleaning instructions:

1. Turn the unit off and unplug it.
2. Remove the water tank (Figure 5); then, unlock the misting chamber by rotating the latch (Figure 6) and lift it from the unit's base. Now lift the tray from the base (Figure 7).

Figure 5



3. Empty water and minerals from the tray and fill with Clean-Away® solution. Replace the tray and misting chamber in the base. (This will submerge the element in the cleaning solution). Soak for a minimum of 20 minutes to a maximum of 30 minutes.

Figure 6

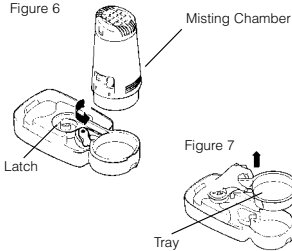
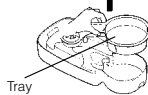


Figure 7

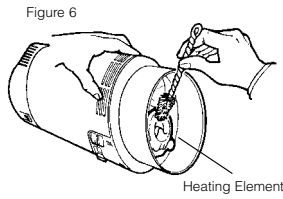


4. Rinse the tray and heating element with clean warm water.

All traces of Clean-Away® on both the element and the tray must be thoroughly rinsed off before disinfecting. Inspect the heating element (see Figure 8) for scale buildup. If present, please see "Special Maintenance - Heating Element" for further cleaning instructions.

DO NOT ALLOW WATER TO ENTER THE AIR OUTLET GRILL OR ANY OTHER OPENINGS.

5. Disinfect the water tank and tray using a solution of one teaspoon of chlorine bleach in 1 gallon of water. Let solution soak for 20 minutes, swishing every few minutes to wet all surfaces. Empty the tank and tray; rinse thoroughly until bleach smell is gone. Replace the tray in the base (Figure 7), then replace the misting chamber in the unit, making sure that the latch has been locked in position. Fill the tank with fresh water and replace it into the unit.



6. Resume normal use.

SPECIAL MAINTENANCE HEATING ELEMENT

Should the output drop or the "EMPTY" light illuminate with water remaining in the tank, it will be necessary to remove scale buildup on the heating element. Remove the misting chamber by rotating the latch and lift it from the unit's base. Place the misting chamber on its side. The heating element will now be visible (Figure 8). Using a non-metallic brush, scrape away the scale buildup on the element. Follow steps 3-6 to complete cleaning.

Note: The above special maintenance is required due to water hardness.

AFTER SEASON CARE

If you do not plan to use your humidifier for an extended period of time (i.e. during the summer months), it is important that you follow these instructions to help prevent stagnation of water in the unit.

1. Clean your humidifier as instructed in the section titled "Cleaning and Maintenance."
2. Make sure all water is emptied from the tank and tray.
3. Dry your unit thoroughly.

4. Leave the tank cap off allowing the tank to be exposed to air.
5. Store humidifier in a cool, dry location. Bionaire® recommends storing the unit in its original box.

TROUBLESHOOTING

| TROUBLE | PROBABLE CAUSE | SOLUTION |
|---------------------------------|--|---|
| Power light not illuminated | <ul style="list-style-type: none"> ☛ Unit not plugged in ☛ Power failure | <ul style="list-style-type: none"> ✓ Plug in unit ✓ Check circuit breaker or fuse |
| "EMPTY CLEAN" light illuminated | <ul style="list-style-type: none"> ☛ Scale buildup in tray ☛ Water tank empty ☛ Unit not reset after refilling tank ☛ Scale buildup on heating element | <ul style="list-style-type: none"> ✓ Remove and refill ✓ Remove tray and flush out scale residue ✓ Press "RESTART" button ✓ Remove scale from heating element |
| Moist air output low | <ul style="list-style-type: none"> ☛ Scale buildup in tray ☛ Scale buildup on heating equipment | <ul style="list-style-type: none"> ✓ Remove tray and flush out scale ✓ Remove scale from heating element |
| Water leaks from unit | <ul style="list-style-type: none"> ☛ Tank O-ring missing or improperly placed | <ul style="list-style-type: none"> ✓ Remove tank cap and replace or reposition O-ring |

HUMIDIFIER SERVICE INSTRUCTIONS

1. DO NOT attempt to repair or adjust any electrical or mechanical functions on this unit. Doing so will void the warranty. The inside of the unit contains no user serviceable parts. Only qualified personnel should perform servicing.
2. If you need to exchange the unit, please return it in its original carton, with a sales receipt, to the store where you purchased it. If you are returning the unit more than 30 days after the date of purchase, please see the enclosed warranty.
3. Should your humidifier require service, please call 1-800-788-5350 in North America for further assistance.
4. If you have any other questions or comments, feel free to write to us:
 - ✉ BIONAIRE
 - PO Box 400
 - Milford, MA 01757
 - USA
 - ✉ BIONAIRE Canada
 - 6385 Shawson Drive
 - Mississauga, Ontario,
 - Canada, L5T 1S7

Visit our website at www.bionaire.com

WARRANTY

Bonaire® warrants to the first retail purchaser, for TWO (2) YEARS from the date of original purchase, either to repair or replace at its option, without charge (parts and labor), any supplied or manufactured part of this humidifier which, upon inspection by an authorized service center, proves to have failed in normal use due to defects in material or workmanship, or, at its option, to replace the unit.

Operation under conditions other than those recommended or at voltages other than the voltage indicated on the unit, or any attempts by unauthorized personnel to service the unit or modify it, will render the guarantee void.

Bonaire® shall not be liable for any personal injury, property damage or any incidental or consequential damages of any kind (including water damage), resulting from defects, malfunctions, misuse, improper installation or alteration of the product.

BIONAIRE® EXPRESSLY DISCLAIMS ALL RESPONSIBILITY FOR CONSEQUENTIAL DAMAGES OR INCIDENTAL LOSSES CAUSED BY USE OF THIS PRODUCT.

The provisions of this warranty are in addition to, and not a modification of, or subtraction from the statutory warranties and other rights and remedies contained in any applicable legislation and to the extent that any such provision purports to disclaim, exclude or limit any such statutory warranties or other rights or remedies, such provisions shall be deemed to be amended to the extent necessary to comply therewith.

For Warranty Service, please call 1-800-788-5350 in North America.

A Bonaire® consumer service representative will help determine which is the best procedure in order for your humidifier to be repaired.

KEEP THIS NUMBER FOR FUTURE REFERENCE.