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BIONAIRE CM1 Owner's Manual

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 **BIONAIRE®**

WARM MOISTURE humidifier
MODEL CM1

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

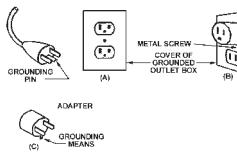
When using electrical appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

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 heaters.
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 Mist Outlet while unit is in operation. DO NOT cover Mist 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 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 Mist 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.

**PLEASE SAVE THESE
INSTRUCTIONS.**

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 plug

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. Air is drawn in through the grill openings located on the sides of the unit and mixes with steam in the misting chamber. The warm mist is then dispersed

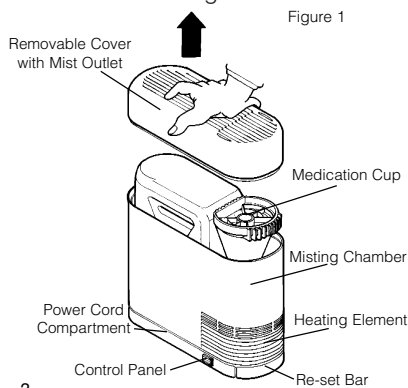


Figure 1

out of the top of the misting chamber through the outlet grill. To monitor the actual humidity level in a room, we recommend the use of a humidity meter such as the BONAIRE® Digital Humidity and Temperature Monitor BT400 or BT254.

The unit is conveniently refilled with water by taking only the removable water tank to a water tap. The automatic shut-off tank cap 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. The resulting vapor is then released into the moist air.

CONTROL PANEL

POWER Light - When illuminated, indicates that the heating element is powered. When extinguished, indicates that either the unit has been shut off or that the heating element is not activated due to an empty water tank.

POWER On/Off Switch - This control is used to turn your WARM MOISTURE unit on or off.

RESET Bar - This control, located on the bottom right side, resets the humidifier after it has shut down due to an empty water tank or after it has been cleaned. Once the tank has been refilled allow one minute for the cavity to fill then press the re-set bar. The reset bar should never be pressed when the unit is empty.

OPERATING INSTRUCTIONS/FILLING THE WATER TANK

1. Place your humidifier in the desired location. A hard, level, water-resistant surface is necessary for proper operation.

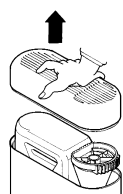


Figure 2

2. Remove the top cover (Figure 2) and then lift out the water tank (Figure 3). Carry the water tank to a water tap.

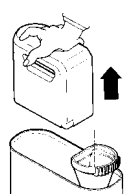


Figure 3

3. Turn the tank upright and remove the tank cap by twisting it completely off (Figure 4).

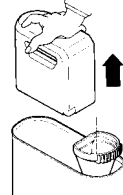


Figure 4



Figure 5

4. Fill the tank with cool tap water as shown in Figure 5.

5. Replace the tank cap, making sure the O-ring is in its correct position. Carry the full tank and carefully replace it, cap down, into the humidifier. Wait a few minutes for the cavity to refill.

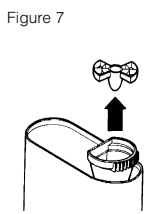
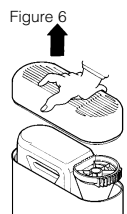
☞ Allowing your humidifier to run out of water before filling the tank helps to self-clean the heating element.

6. Turn your humidifier on by pressing on the Power switch. Press the reset bar if the power light does not illuminate. It may take up to 5 minutes before full mist output is obtained.
7. When all the water in the tank has been used, the unit will shut down.

Note: The tank may last up to 8 hours. Do not add any additives to the water in the tank or cavity.

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 6) to access the medication cup.

3. Remove the medication cup (Figure 7) from the misting chamber.

4. Carefully add liquid medication; do not fill cup more than half full.



5. Carefully place the medication cup into the top of the misting chamber (Figure 8).

6. Replace the removable cover back onto the unit.

7. Switch unit on and press reset bar 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.

WARNING: DO NOT use any liquid medication other than those specifically recommended for use with a steam vaporizer. DO NOT pour medication directly into the outlet grill openings nor add it to the water in the tank .

CLEANING AND MAINTENANCE

When the unit is used daily, weekly cleaning is recommended. Regular cleaning also prevents scale buildup on the heating element and cavity. It also prevents micro-organisms from growing in the cavity and tank. This ensures that maximum efficiency will be achieved. See “Special Maintenance - Heating Element” for more information.

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 cavity or element. Contact with sharp objects can result in damage to the plastic and the element.

Note: We recommend that the cavity 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 dishwasher.
- NEVER mix bleach and Clean-Away® solution!

Cleaning instructions:

1. Turn the unit off and unplug it. Allow water to cool down.
2. Remove the cover and lift out the tank. Empty the tank.
3. Rotate the misting chamber

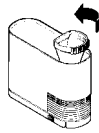


Figure 9

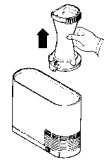


Figure 10



Figure 11

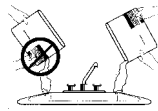


Figure 12

approximately 1/8 turn (Figure 9) and lift to completely remove (Figure 10). Wipe the misting chamber with a damp cloth and some Clean-Away® solution following the precautions on the bottle. Rinse thoroughly (Figure 11).

4. Empty water and minerals from the cavity. Remove the tank and rinse thoroughly. Carefully empty the cavity as shown in Figure 12.

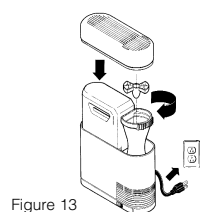


Figure 13

5. Rinse the cavity and heating element with clean warm water. All traces of Clean-Away® on both the element and the cavity must be thoroughly rinsed off before disinfecting. Inspect the heating element for scale buildup. If any present, please see “Special Maintenance - Heating Element” for further cleaning instructions.

6. Replace the misting chamber in the unit by rotating it clockwise, making sure it locks in position (Figure 13).

7. Disinfect the water tank by filling it with a solution of a half teaspoon of chlorine bleach in a half gallon of water. Let solution soak for 20 minutes, swishing every few minutes to wet all surfaces. Empty the tank; rinse thoroughly until bleach smell is gone. Fill the tank with fresh water and replace in the unit.

Figure 14

8. Replace the top cover. The unit is now ready for normal use.



SPECIAL MAINTENANCE - HEATING ELEMENT

Should the output drop with water remaining in the tank, it will be necessary to remove scale buildup on the heating element. Remove the top cover, misting chamber and water tank. This will expose the heating element. Using a non-metallic brush, scrape away the scale buildup on the element (Figure 14). Follow steps 3-8 to complete cleaning.

NOTE: The above special maintenance is required due to hard water (mineral) deposits. The harder your water, the more often this special maintenance will be needed.

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 cavity.
3. Dry your unit thoroughly.
4. Leave the tank cap off allowing the tank to be exposed to air.
5. Store the power cord in the power cord compartment.
6. 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 ☞ Unit is empty 	<ul style="list-style-type: none"> ✓ Plug in unit ✓ Check circuit breaker or fuse. ✓ Fill tank with water and reset.
Moist air output low	<ul style="list-style-type: none"> ☞ Scale buildup in cavity ☞ Scale buildup on heating element 	<ul style="list-style-type: none"> ✓ Remove scale in the cavity ✓ 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

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. All servicing should be performed by qualified personnel only.
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 heater to be repaired.

KEEP THIS NUMBER FOR FUTURE REFERENCE.