

10. Fill the reservoir and place back into housing.
11. Repeat Operating Instructions. It will take about 30 minutes for the humidifier to reach maximum output. You can purchase replacement filters (model BWF-100 filters) at your local retailer, by calling **1-800-253-2764**, filling out the accessory card, or by visiting www.bionaire.com. It is recommended that a replacement filter is purchased for uninterrupted use.

CLEANING AND MAINTENANCE INSTRUCTIONS

Humidifiers provide comfort by adding moisture to dry, heated indoor air. To benefit most from the humidifier and avoid product misuse, follow all instructions carefully. Please note that this is an electrical appliance and requires attention when in use. In addition, if you do not follow the recommended care and maintenance guidelines, micro-organisms may be able to grow in the water within the water tank. You must routinely follow the cleaning procedures that follow in order to ensure proper, efficient operation of your humidifier. Proper maintenance and cleaning is essential to the continued performance of your unit and the avoidance of algae or bacteria build-up.

DAILY MAINTENANCE

1. Be sure the unit is OFF and is disconnected from the electrical outlet.
2. Remove the housing and the tank from the humidifier and place in sink or tub.
3. Carry the base of the unit to the sink, remove the wick, place in sink, drain any remaining water and rinse thoroughly to remove any sediment or dirt. Wipe clean, and dry with a clean cloth or paper towel.
4. Drain the water from the tank into the sink and rinse tank thoroughly. Wipe clean, and dry with a clean cloth or paper towel.
5. Put filter back in, replace the housing, then refill tank with cool tap water as instructed earlier in the Filling Instructions. Do not overfill.
6. Follow Operating Instructions.

WEEKLY MAINTENANCE

To Remove Scale:

1. Repeat steps 1-4 above.
2. Clean the base by partially filling the base with one 8-oz cup of undiluted white vinegar, or by using Clean-Away™ (Model dms216) by the manufacturer. Leave this solution in the base for 20 minutes, while cleaning all interior surfaces with a soft brush. Remove base scale by wiping the base with a cloth dampened with undiluted white vinegar.
3. Rinse with clean warm water to remove the cleaning solution before disinfecting the tank.

TO DISINFECT RESERVOIR

1. Fill humidifier reservoir 1/2 full with water and 1/2 table-spoon of chlorine bleach.
2. Let the solution stand for 20 minutes, swishing every few minutes. Wet all surfaces.
3. Carefully empty the reservoir after 20 minutes, and rinse with warm water until you can not detect any bleach smell. Dry with a clean cloth or paper towel.
4. Place filter back into reservoir and refill the water reservoir as directed in Operating Instructions, and turn the unit on.

STORAGE INSTRUCTIONS

When not using your humidifier for an extended period of time:

1. Dispose of the filters. DO NOT leave in unit.
2. Clean, rinse and thoroughly dry the humidifier as directed in weekly maintenance. DO NOT leave any water in the unit when storing. Leaving water in the unit may render the unit inoperable for the following season.
3. Place the humidifier in the original carton and store in a cool, dry place.
4. Order your replacement filter for next year's use.

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 **1-800-253-2764** in North America for further assistance.
4. If you have any other questions or comments, feel free to write to us or visit our website www.bionaire.com

BIONAIRE
The Holmes Group, Inc.
Consumer Service Department
13052 Jurupa Avenue
Fontana, CA 92337

Trouble Shooting		
Trouble	Probable Cause	Solution
Unit does not turn on	Not plugged in	Plug in Unit
Mist output minimal to none	Filter has not absorbed water	Wait 15 minutes for filter to absorb water
Filter Turns Brown	The filter has absorbed minerals	Replace your filter (BWF100) by calling 1-800-253-2764 or visiting www.bionaire.com

FREQUENTLY ASKED QUESTIONS	
Question	ANSWER
What are the variables that affect run time?	The estimated run time for this humidifier is based on average room conditions. The actual run time of your humidifier is dependent on numerous variables such as: 1. Air exchange in the room where the humidifier is placed. 2. Room construction of the room where the humidifier is placed. 3. Temperature of the room where the humidifier is placed. 4. Humidity levels in the room where the humidifier is placed. 5. Movement of occupants and the opening and closing of doors in the room where the humidifier is placed. 6. Home furnishings in the room where the humidifier is placed.
How do I remove film on water tank?	See Daily Maintenance instructions. Regular cleaning is recommended.
How can I extend the run time?	Run your unit on the lowest setting. If your unit has electronics, set it to your desired humidity level. The unit will turn on and off, which will extend the run time. Fill the tank all the way full, place it on the base, let the water empty into the base until it stops bubbling, then refill the tank full again. This ensures maximum water capacity and will extend run time.

WARRANTY

The Manufacturer warrants to the original 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.

The Manufacturer shall not be liable for any personal injury, property damage or any incidental or consequential damages of any kind, resulting from defects, malfunctions, misuse, improper installation or alteration of the product.

THE MANUFACTURER 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 1-800-253-2764 IN NORTH AMERICA.

A 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.

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BCM64505EM1

Printed in China



BIONAIRE
digital COOL MOISTURE humidifier
MODEL BCM645

Filter #: BWF100 (2)
Filter Type: Wick

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 **1-800-253-2764** in North America.
910003002513

▲ HUMIDIFIER SAFETY
PLEASE READ AND SAVE THESE IMPORTANT SAFETY INSTRUCTIONS

IMPORTANT SAFEGUARDS

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 or near heat registers.
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 unplug the unit by pulling on the plug and not the cord.
7. Never place anything over moisture outlet when the unit is running.
8. NEVER drop or insert any object into any openings.
9. 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.
10. 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 the manufacturer may cause hazards.
11. DO NOT use outdoors.
12. Always place humidifier on a firm, flat, level surface. A waterproof mat or pad is recommended for use 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.
13. DO NOT allow the Moisture Outlet to directly face the wall. Moisture could cause damage, particularly to wall paper.

14. Humidifier should be unplugged when not in use.
15. 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.
16. This humidifier requires daily and weekly maintenance to operate appropriately. Refer to daily and weekly cleaning procedures. Use only cleaners and additives recommended by the manufacturer.
17. NEVER use detergents, gasoline, glass cleaner, furniture polish, paint thinner, or other household solvents to clean any part of the humidifier.
18. Excessive humidity in a room can cause water condensation on windows and some furniture. If this happens, turn the humidifier OFF.
19. Do not use humidifier in an area where humidity level is in excess of 50%. Use a hygrometer, available at your local retailer or through the manufacturer, to measure the humidity.
20. 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.
21. Never place housing under water flow or immerse in liquids.
22. Do not plug in the cord with wet hands: electric shock could result.
23. Do not pour water in any openings other than the water tank.
24. To prevent damage to surfaces, do not place humidifier under overhanging surfaces.
25. NEVER operate unit without water in the tank.
26. Do not move unit after it has been used until unit cools completely.
27. Use both hands when carrying full tank of water.

PLEASE SAVE THESE INSTRUCTIONS

CONSUMER SAFETY INFORMATION

THIS PRODUCT IS EQUIPPED WITH A POLARIZED PLUG (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact qualified personnel to install the proper outlet.



install the proper outlet.

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

PLEASE READ AND SAVE THESE IMPORTANT SAFETY INSTRUCTIONS

Consumer Safety Information

NOTE: This is an electrical appliance and requires attention when in use.

NOTE: If moisture forms on the walls or windows of the room, turn off the humidifier. The room already has plenty of humidity and additional moisture may cause damage.

NOTE: DO NOT block air inlet or outlet.

Cord and Plug Installation Safety Instructions

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 COOL MIST WORKS

Your Bionaire® Cool Mist Humidifier draws dry air through the rear air intake grill area. This air is then passed through a moisture-laden wick filter, which retains the minerals and deposits in the water. The resulting moist air is directed back into the room from the top air grill.

NOTE: This humidification system provides a cool, invisible moisture output. It is normal not to see the mist.

NOTE: A humidity level below 20% can be unhealthy and uncomfortable. The recommended humidity level is between 40%-50%.

PRE-OPERATING INSTRUCTIONS

1. Be sure the humidifier is switched off.
2. Select a location for your humidifier, on a flat level surface about 4" away from the wall. DO NOT place the humidifier on a finished floor or near furniture, which can be damaged by too much moisture or water. Place on a moisture resistant surface.

Filling the Water Reservoir

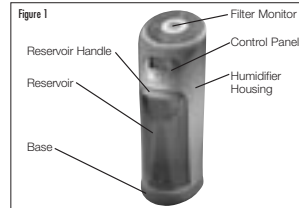
1. Remove the reservoir from the housing of the humidifier by grabbing the handle of the reservoir and pulling forward. Lift the reservoir out of the housing and bring to the faucet. Turn the reservoir upside down and twist off the reservoir cap by turning counter clockwise. Fill reservoir with cool, fresh tap water. DO NOT fill with warm water as this may cause leaking. Replace the cap on reservoir FIRMLY.
2. When full, carry the reservoir to the humidifier and place it into the housing. There is a locating tab located on the reservoir base for easy guidance. The reservoir holds 1.3 gallons of water. The reservoir will immediately begin to empty into the base.
3. Plug the power cord into a 120V AC electrical outlet.

OPERATING INSTRUCTIONS

Your Humidifier is equipped with a technologically advanced Digital Humidistat. You can set the humidifier to run continuously in manual mode or set the Digital Humidistat to your desired humidity setting. The Digital Humidistat will automatically turn the humidifier ON or OFF depending on the preset comfort level. The comfort level ranges between 35% and 65% relative humidity.

MANUAL MODE INSTRUCTIONS

1. Plug the humidifier into a 120V AC electrical outlet.
2. The display will show the current room humidity.
3. To start the unit, push the mode (O) button once for high manual setting.
4. Press the button again for medium manual setting and again for low manual setting. The settings will be displayed on the top of the Display Screen. To stop the unit, scroll through the settings until only the room humidity is displayed.



DIGITAL HUMIDISTAT INSTRUCTIONS

To take advantage of the Digital Humidistat, press the mode (O) button until the speed is set in either High, Medium or Low and the Auto icon is displayed. Then adjust the humidity level by pressing the up (▲) and down (▼) buttons until the desired humidity level is achieved. The display will continue to show both the room and set humidity level. When the room humidity level rises above the set humidity, the humidifier will shut off. When the room humidity level drops below the set humidity level, the humidifier will turn on Automatically.

NOTE: When setting the Digital Humidistat, there will be a 2 minute delay before the unit turns on. This allows for the most accurate humidity reading.

NOTE: There is a delayed reaction in the motor designed to prevent the motor from turning on and off frequently due to changing humidity levels. There is a 2 minute delay after the unit reaches it's set humidity level before it will turn on again. It may be longer if the humidity level remains above the set humidity, but there will always be at least a 2 minute delay when the humidity level reaches the desired setting.

USING THE PROGRAMMABLE TIMER

The Digital Humidistat allows the user to program the humidifier to come on at a preset time, or turn off after a set amount of time.

Setting the Off Timer

1. Select the mode and or humidity you want the humidifier to run in.
2. While the humidifier is running, press the timer button. The display will show "00".
3. Press the up (▲) and down (▼) buttons to select how many hours you would like the humidifier to run before automatically shutting off in increments of 1 hour.
4. The screen will then return to showing the mode that was selected and a timer icon to indicate the timer is set.
5. After the preset time expires, the humidifier will automatically shut off.

Setting the On Timer

1. While the humidifier is off, press the timer (⊖) button. The display will show "00".
2. By pressing the up (▲) and down (▼) buttons, program the humidifier to turn on up to 24 hours in advance in increments of 1 hour.
3. The screen will then return to showing a timer icon to indicate the timer is set.

4. After the preset time expires, the humidifier will automatically turn on at a preset level of 45% humidity and 2 hours of run time.

EXTENDED RUN TIME SETTING

By setting your humidifier to a specific humidity level, you are actually also extending the run time. Since the unit will turn on and off to maintain the set humidity level, less water will be used, so you will need to fill the unit less than you would on manual setting.

REPLACING THE FILTERS

Through normal use, waterborne minerals and sediment become trapped in the wick filters. The harder your water, the greater the amount of minerals in the water, and the more often you will be able to monitor the life of your filters in your humidifier.

You will be able to monitor the life of the filters in your humidifier by checking the Filter Monitor Indicator. After 60 minutes of use, Filter Monitor Indicator will move and indicate your filters condition. New filters will register in the section reading GOOD filter. After frequent use of your humidifier, the Filter Monitor Indicator will let you know when the filters need to be changed (see Figure 2).



Figure 2

When the needle is in the CHANGE section, this means the proper amount of moisture is not getting into your air due to the excessive minerals and sediment that have become trapped on your filters. At this point, you should replace your filters. It is important to change your filters as indicated to obtain stated performance level.

To replace the filter, follow the steps below

1. Turn the unit off and disconnect from the electrical outlet.
2. Remove the reservoir from the housing.
3. Unlock the housing from the base by turning the lock knob to the unlocked position
4. Lift the housing straight up and place to the side
5. Unlock the wick holder from the base by turning the lock knob to the unlocked position
6. Remove the wicks from the wick holder
7. Follow the weekly cleaning instructions.
8. Insert new filters into the wick holder and lock the wick holder back onto the base.
9. Replace the housing onto the base and lock it into place.