TROUBLESHOOTING - STORAGE FILTER ACCESSORIES

TROUBLE	PROBABLE CAUSE	SOLUTION
Humidity Display not illuminated.	Unit not plugged in. Power failure.	Plug in unit. Check circuit breaker or outlet.
Refill/Reset light illuminated.	Water tank empty. Unit not reset after refill. Scale build-up in base. Scale build-up in heating element.	Refill tank. Follow manual for Reset Instructions. Remove base and flush out residue. Remove scale from heating element.
Mist output minimal to none.	Scale build-up in base or heating element.	Remove scale from base and heating element.
Water leaks from tank.	Tank rubber ring is missing or improperly placed. Cap not tight enough. Tank water hot.	Remove tank cap and replace or reposition ring. Tighten the cap. Tank may be damaged call 1-800-5-HOLMES, or visit *www.holmesproducts.com.*
Crack in tank.	Hot water will cause tank to pressurize. Tanks are delicate, and will crack if dropped.	Fill with cool water only. Handle tank with care.
Film on tank.	Mineral deposits cause film on tank to build-up.	Clean/disinfect tank as instructed in cleaning instructions. To order call 1-800-5-HOLMES or visit *www.holmesproducts.com.*
Cloudy Water.	Mineral deposits cause film on tank to build-up.	Clean/disinfect tank as instructed in weekly cleaning instructions. To order call 1-800-5-HOLMES or visit *www.holmesproducts.com.*

STORAGE INSTRUCTIONS

If your humidifier will not be in use for two days or more, or at the end of the season follow these instructions.

1. Clean, rinse and thoroughly dry the humidifier as directed in the weekly maintenance section. DO NOT leave any water inside the base.
2. Wait for the heating element to cool completely, and then clean the heating element with a damp soft cloth.
3. Remove the tank cap. Do not store with the tank cap in place.
4. Place the humidifier in the original carton and store in a cool, dry place.
5. Always clean the humidifier before the next season begins.

REPLACEMENT ACCESSORY

To order the replacement accessories you can do any of the following:

- Fill out the accessory card found with the product
- Visit your local retailer
- Go to www.holmesproducts.com
- Call consumer service at 1-800-5-HOLMES

Holmes®, the Holmes logo®, AccuSet Plus™, the AccuSet Plus logo™ and CleanseClean® are trademarks of The Holmes Group, Inc. or its subsidiaries.

WARRANTY INFORMATION

SERVICE INSTRUCTIONS

1. DO NOT attempt to repair or adjust any electrical or mechanical functions on this unit. Doing so will void the Warranty.
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. If you have any questions or comments regarding this unit's operation or believe any repair is necessary, please write to our Consumer Service Department or visit our website at www.holmesproducts.com.

THE HOLMES GROUP, INC.
CONSUMER SERVICE DEPARTMENT
32B SPUR DRIVE
EL PASO, TX 79906

For your own records, staple or attach your sales receipt to this manual. Also, please take a moment to write the store name/location and date purchased below.

STORE NAME:

LOCATION:

DATE PURCHASED:

(STAPLE RECEIPT HERE)

FIVE (5) YEAR LIMITED WARRANTY

SAVE THIS WARRANTY INFORMATION

A. This Warranty applies only to the original purchaser of this product.

B. This Warranty applies ONLY to repair or replacement of any supplied or manufactured parts of this product that, upon inspection by The Holmes Group, Inc. authorized personnel, is shown to have failed in normal use due to defects in material or workmanship. The Holmes Group will determine whether to repair or replace the unit. This Warranty does not apply to installation expenses.

C. Operating this unit under conditions other than those recommended or at voltages other than the voltage indicated on the unit, or attempting to service or modify the unit, will render this WARRANTY VOID.

D. Unless otherwise proscribed by law, The Holmes Group shall not be liable for any personal injury, property or any incidental or consequential damage of any kind (including water damage) resulting from malfunctions, defects, misuse, improper installation or alteration of this product.

E. All parts of this product excluding filters, which are covered under separate warranty, are guaranteed for a period of 5 years as follows:

1. Within the first 30 days from date of purchase, the store from which you purchased your product should replace this product if it is defective in material or workmanship (provided the store has in-stock replacement.) If you intend to assert any claim in connection with the product, please follow the instructions in paragraph F.
2. Within the first sixty months from date of purchase, The Holmes Group will repair or replace the product if it is defective in material or workmanship, subject to the conditions in paragraph G.

F. If you have any other problem or claim in connection with this product, please write our Consumer Service Department.

G. IMPORTANT RETURN INSTRUCTIONS. Your Warranty depends on your following these instructions if you are returning the unit to The Holmes Group, Inc.:

1. Carefully pack the item in its original carton or other suitable box to avoid damage in shipping.
2. Before packing your unit for return, be sure to enclose:
   a) Your name, full address with zip code and telephone number
   b) A dated sales receipt or PROOF OF PURCHASE,
   c) Your $7.00 check for return shipping and handling, and
   d) The model number of the unit and the problem you are having. (Enclose in an envelope and tape directly to the unit before the box is sealed.)
3. The Holmes Group recommends you ship the package U.P.S. ground service for tracking purposes.
4. All shipping charges must be prepaid by you.
5. Mark the outside of your package:

HOLMES
THE HOLMES GROUP, INC.
32B SPUR DRIVE
EL PASO, TX 79906
SHIPPING AND HANDLING CHARGES: $7.00 (USD)

This Warranty gives you specific legal rights, and you may have other rights which vary from state to state. 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. To the extent that any provision of this Warranty is inconsistent with any applicable law, such provision shall be deemed voided or amended, as necessary, to comply with such law.

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Holmes®

INFO HOT-LINE: If, after reading this owner's guide you have any questions or comments, please call 1-800-5-HOLMES and a Consumer Service Representative will be happy to assist you.

Owner's Guide

Warm Mist Humidifier

HM8405
HM8405RC



PLEASE READ AND SAVE THESE IMPORTANT INSTRUCTIONS

PLEASE READ AND SAVE THESE IMPORTANT SAFETY 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 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.



THIS PRODUCT IS EQUIPPED WITH A POLARIZED AC (Alternating Current) 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.

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.

FEATURES - OPERATIONS

HOW WARM MIST WORKS

Your Holmes Warm Mist humidifier is designed to allow the proper amount of water to flow out of the tank. Air is drawn in through the grill openings located in the back of the unit and mixed with steam in the misting chamber. The warm mist is then dispersed out of the top of the misting chamber through the outlet grill and into the room.

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 to OFF and the unit is disconnected from the electrical outlet.
2. Select a location for your humidifier, on a flat surface, about 4" away from the wall. DO NOT place the humidifier on a finished floor or near furniture, which can be damaged by moisture or water. Place on a moisture-resistant surface.

FILLING THE WATER TANK

1. Remove the tank from the base of the humidifier and bring to the faucet. Turn the tank upside down and twist off the tank cap by turning counter clockwise. Fill tank with cool, fresh tap water. **DO NOT fill with warm water as this may cause leaking. Replace the cap on tank FIRMLY.**
2. When full, carry tank to the humidifier and place onto the base. This humidifier holds 1.7 gallons of water in the tank and humidifier base. The tank will immediately begin to empty into base.
3. Plug the power cord into a 120V AC electrical outlet.

OPERATING INSTRUCTIONS

Your humidifier is equipped with a technologically advanced AccuSet Plus™ DIGITAL Humidistat. You can set the humidifier to run continuously in manual mode or set the AccuSet Plus™ DIGITAL Humidistat to your desired humidity setting. The AccuSet Plus™ DIGITAL Humidistat will automatically turn the humidifier ON or OFF, depending on the preset comfort level. The comfort level ranges between 30% 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/OFF button once for the LOW (LO) manual setting.
4. Press the button again for the HIGH setting (HI). After the selection is made, the display will return to show the current room humidity.
5. To stop the humidifier, keep pressing the button until the display reads OF.
6. The Medicine Cup is located on the top of the misting chamber. To use, pour designated humidifier medication into the cup. DO NOT add medication to the water tank. DO NOT add medication to the medicine cup when the unit is already operating.

RESET PROCEDURE

NOTE: When the water tank is empty and the water in the Heating chamber is almost empty, the Automatic Shut Off will activate. The RESET Light will illuminate and the unit will not operate again until you refill the water tank and reset the humidifier.

1. Unplug the unit
2. Remove and refill the water tank, being sure to follow the Daily Maintenance Instructions. Replace the tank onto the base.
3. Wait 5 minutes for the Automatic Shut-Off to reset.
4. After the 5 minutes, plug in the unit and turn the unit on to HIGH (HI). The RESET light should now be off (if not repeat steps 1 through 3). In about 2-3 minutes, the humidifier will begin to produce moisture.

AccuSet Plus™ HUMIDISTAT INSTRUCTIONS

To take advantage of the AccuSet Plus™ Digital Humidistat, press the MODE/OFF button until you reach the Auto HIGH (AH) or Auto LOW (AL) setting. Then adjust the set humidity by using the up and down buttons. Humidity will increase in increments of 5%. When the humidity level is set, the display will return to show the current room humidity. When the room humidity level rises above the set humidity, the humidifier will stop. When the humidity level drops below the set humidity, the humidifier will turn on automatically.

IMPORTANT: If you do not plan to use the humidifier for two or more days, make sure any residual water is drained from the water tank and base to prevent algae or bacteria growth.

USING THE PROGRAMMABLE TIMER

AccuSet Plus™ 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 wish the humidifier to run in.
2. While the humidifier is running, press and hold the up and down buttons simultaneously for 2 seconds. The display will flash "00".
3. By pressing the up and down buttons, program the humidifier to turn off up to 16 hours later in increments of 1 hour.
4. After setting the timer, the display will return to show the current room humidity. A light in the display panel will illuminate to show that the timer is activated.
5. After the predetermined length of time has passed, the humidifier will automatically shut off.

Setting the On Timer:

1. While the humidifier is off, press and hold the up and down buttons simultaneously for 2 seconds.
2. By pressing the up and down buttons, program the humidifier to turn on up to 16 hours in advance in increments of 1 hour.
3. After the preset length of time has passed, the humidifier will automatically turn on Auto Mode HI with 45% for a preset time of 2 hours.

CLEANING / MAINTENANCE REPLACING THE FILTER

AccuSet Plus™ REMOTE INSTRUCTIONS (For HM8405RC-U only)

1. Insert 2 AAA batteries into back of remote control.
2. Press the Mode/Off button on remote to begin operation.
3. Use the remote to control the same features as the base unit.

NOTE: The timer function can only be activated on the base unit. It cannot be activated via the remote control.

NOTE: Do not mix new and old batteries. Do not mix alkaline, standard (carbon-zine), or rechargeable (nickel-cadmium) batteries.

WARM MIST CLEANING AND MAINTENANCE INSTRUCTIONS

The following maintenance procedures must be routinely followed in order to ensure proper, efficient operation of your humidifier. The unit WILL NOT WORK CORRECTLY if it is not cleaned properly.

When the unit is in use, daily and weekly maintenance is recommended. Regular weekly cleaning prevents scale buildup on the heating element and tray. It also prevents micro-organisms from growing on the tray and tank. This ensures that maximum efficiency will be achieved.

We cannot over-emphasize how essential proper cleaning is to the maintenance and continued use of your unit and to the avoidance of algae or bacteria build-up.

DAILY MAINTENANCE

1. Allow to cool before maintenance. Be sure the unit is OFF and is disconnected from the electrical outlet.
2. Remove the water tank then unlock the housing by switching the two locks towards the front of the humidifier. Lift the housing from the base.
3. Empty water and minerals from the base and place in the top rack of the dishwasher. **NOTE:** the base is dishwasher safe TOP RACK ONLY.
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. Wipe the heating element clean with a soft cloth after it has had a chance to cool.
6. The Electronic Thermal Control Heating element is lined with a coating that is designed to provide the easiest cleaning and prolong the operating efficiency of the humidifier. DO NOT use any metal or hard objects to clean the Heating Element. Never use detergents, gasoline, kerosene, glass cleaner, furniture polish, paint thinner or and other household solvent to clean any part of the humidifier.
7. Follow Operating Instructions.

WEEKLY MAINTENANCE

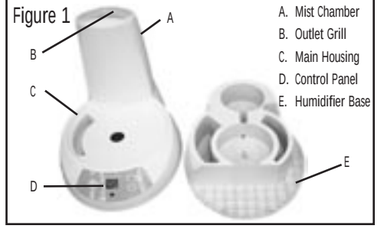
Remove scale: Allow to cool before maintenance.

1. Repeat steps 1-6 above.
2. Clean the base by partially filling the base with one 8-oz cups of undiluted white vinegar, or by using CleanseClean® (Model S1710) by the manufacturer. Leave this solution in the base for 20 minutes, while cleaning the 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.

DISINFECT TANK

1. Fill the tank 1/2 full with water and 1/2 teaspoon of chlorine bleach.
2. Let the solution stand for 20 minutes, swishing every few minutes. Wet all surfaces.
3. Carefully empty the base and tank after 20 minutes, and rinse with water until you cannot detect any bleach smell. Dry with a clean cloth or paper towel.
4. Refill the water tank as directed with cool tap water, replace the humidifier housing, and repeat all Operating Instructions.

Figure 1



A. Mist Chamber
B. Outlet Grill
C. Main Housing
D. Control Panel
E. Humidifier Base