TROUBLESHOOTING FREQUENTLY ASKED QUESTIONS

TROUBLESHOOTING		
Trouble	**Probable Cause**	**Solution**
• Water Leaks from Tank.	☛ Tank/cap gasket is missing. ☛ Unit tilted or not leveled. ☛ Cap not tight enough. ☛ Tank water is Hot.	✔ Remove tank cap and replace or reposition gasket. ✔ Place unit it on a flat or leveled surface. ✔ Tighten the cap. ✔ Fill with cool water only.
• Crack in Tank.	☛ Hot water will cause tank to pressurize. ☛ Tanks will crack if hit or dropped.	✔ Fill with cool water only. ✔ Handle tank with care. If there is crack on tank, replace with a new tank.
• Film on Tank.	☛ Mineral deposits.	✔ Clean/disinfect tank as instructed in weekly cleaning instructions.
• Mist output minimal to none.	☛ Scale build up on transducer.	✔ Remove scale from the transducer.
• Reduced or no mist.	☛ Out of water. ☛ Setting too low. ☛ Transducer plate dirty.	✔ Fill tank. ✔ Increase setting to High. ✔ Clean transducer (refer to Cleaning and Maintenance Instructions).
• Appearance of minerals or "white dust"	☛ Tap water contains minerals that collect inside your humidifier. When the minerals are released into the air they often appear as white dust on your furniture.	✔ Use distilled water in your humidifier. This will help reduce the precipitation of minerals or `white dust'. ✔ In addition, use a demineralization cartridge. ADC14-UM, Arm & Hammer Demineralization Cartridge available for purchase on www.holmesproducts.com.

WARRANTY INFORMATION

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: ✔ Air exchange in the room where the humidifier is placed. ✔ Room construction of the room where the humidifier is placed. ✔ Temperature of the room where the humidifier is placed. ✔ Humidity levels in the room where the humidifier is placed. ✔ Movement of occupants and the opening and closing of doors in the room where the humidifier is placed. ✔ 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.

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WARRANTY INFORMATION

3 YEAR LIMITED WARRANTY

Sunbeam Products, Inc. doing business as Jarden Consumer Solutions or if in Canada, Sunbeam Corporation (Canada) Limited doing business as Jarden Consumer Solutions (collectively "JCS") warrants that for a period of three years from the date of purchase, this product will be free from defects in material and workmanship. JCS, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or remanufactured product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value. This is your exclusive warranty. Do NOT attempt to repair or adjust any electrical or mechanical functions on this product. Doing so will void this warranty.

This warranty is valid for the original retail purchaser from the date of initial retail purchase and is not transferable. Keep the original sales receipt. Proof of purchase is required to obtain warranty performance. JCS dealers, service centers, or retail stores selling JCS products do not have the right to alter, modify or any way change the terms and conditions of this warranty.

This warranty does not cover normal wear of parts or damage resulting from any of the following: negligent use or misuse of the product, use on improper voltage or current, use contrary to the operating instructions, disassembly, repair or alteration by anyone other than JCS or an authorized JCS service center. Further, the warranty does not cover: Acts of God, such as fire, flood, hurricanes and tornadoes.

What are the limits on JCS's Liability?

JCS shall not be liable for any incidental or consequential damages caused by the breach of any express, implied or statutory warranty or condition.

Except to the extent prohibited by applicable law, any implied warranty or condition of merchantability or fitness for a particular purpose is limited in duration to the duration of the above warranty. JCS disclaims all other warranties, conditions or representations, express, implied, statutory or otherwise. JCS shall not be liable for any damages of any kind resulting from the purchase, use or misuse of, or inability to use the product including incidental, special, consequential or similar damages or loss of profits, or for any breach of contract, fundamental or otherwise, or for any claim brought against purchaser by any other party. Some provinces, states or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from province to province, state to state or jurisdiction to jurisdiction.

How to Obtain Warranty Service

In the U.S.A.

If you have any questions regarding this warranty or would like to obtain warranty service, please visit our website at www.holmesproducts.com.

In Canada

If you have any questions regarding this warranty or would like to obtain warranty service, please visit our website at www.holmesproducts.com.

In the U.S.A., this warranty is offered by Sunbeam Products, Inc. doing business as Jarden Consumer Solutions located in Boca Raton, Florida 33431. In Canada, this warranty is offered by Sunbeam Corporation (Canada) Limited doing business as Jarden Consumer Solutions, located at 20 B Hereford Street, Brampton, Ontario L6Y 0M1. If you have any other problem or claim in connection with this product, please write our Consumer Service Department. **PLEASE DO NOT RETURN THIS PRODUCT TO ANY OF THESE ADDRESSES OR TO THE PLACE OF PURCHASE.**

Holmes®

Owner's Guide

HUL2425D



Ultrasonic

HUMIDIFIER

PLEASE READ AND SAVE THESE IMPORTANT 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 inches (10 cm) 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. 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. 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.
15. 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.
16. Excessive humidity in a room can cause water condensation on windows and some furniture. If this happens, turn the humidifier OFF.
17. 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.
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.
19. Never place housing under water flow or immerse in liquids.
20. Do not plug in the cord with wet hands: electric shock could result.
21. Do not pour water in any openings other than the water tank.
22. To prevent damage to surfaces, do not place humidifier under overhanging surfaces.



THIS APPLIANCE HAS A POLARIZED PLUG (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet.

DO NOT ATTEMPT TO MODIFY THIS PLUG OR DEFEAT THIS SAFETY FEATURE IN ANY WAY.

FEATURES - OPERATIONS

23. NEVER operate unit without water in the tank.
24. Use both hands when carrying full tank of water.

NOTICES:

DO NOT allow the Moisture Outlet to directly face the wall. Moisture could cause damage, particularly to wall paper.

To prevent damage to surfaces, do not place humidifier under overhanging surfaces.

NEVER use detergents, gasoline, glass cleaner, furniture polish, paint thinner or other household solvents to clean any part of the humidifier.

PLEASE SAVE THESE SAFETY INSTRUCTIONS

This appliance is for household use only

Cord and Plug 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 (refer to the rating information placed on 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 *ULTRASONIC* WORKS:

An ultrasonic transducer atomizes water, producing refreshing visible cool mist.

NOTE: A humidity level below 20% can be unhealthy and uncomfortable. The recommended humidity level is between 40%-60%.

NOTE: To avoid white dust use only distilled water especially if A) you suffer from respiratory problems or B) you live in an area where the water has a high mineral content.

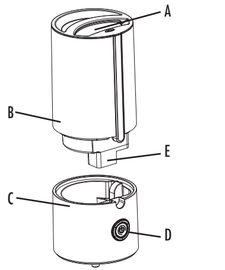
PRE-OPERATING INSTRUCTIONS

1. Be sure the humidifier is switched OFF and the unit is disconnected from the electrical outlet.
2. Select a location for your humidifier, on a flat surface, about 4 inches (10 cm) 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 TANK

1. Remove the tank from the main housing.
2. Bring the tank to the sink, turn upside down and twist off the tank cap by turning counterclockwise. Fill tank with cool, fresh tap water. DO NOT fill with warm water as this may cause leaking. Replace the cap on tank FIRMLY.
3. Place tank back on to the base. The tank will immediately begin to empty into the base.
4. Plug the humidifier into a 120V electrical outlet.

Figure 1



A. Carry Handle
B. Water Tank
C. Humidifier Base
D. Control Panel (see Figure 2 for close-up)
E. Tank Cap

FEATURES - OPERATIONS CLEANING / MAINTENANCE

OPERATING INSTRUCTIONS

Power Button

Press the Power Button to turn the humidifier on. The humidifier will run at ***Low*** setting. Press the Power button to manually turn off the humidifier at any setting.

Mist Control

Press the Mist Control Button to select your desired relative humidity setting range. Each setting will humidify to a pre-desired level either **Low**, **Med** or **High** then cycle off when the humidifier reaches that level. The humidifier will cycle on again once the humidity level has lowered. Once selected, the ***Setting Indicators*** will illuminate to indicate which setting is activated:

- **Low**
- **Med**
- **High**

For continuous run do not set mist control buttons. Select only the **High**, **Med** or **Low** settings indicators on control panel.

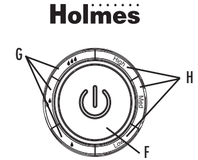
NOTE: To shut the humidifier off at any setting, press the Power Button (⏻). **WARNING:** DO NOT move the humidifier with water in the tank or the humidifier base. The moving action of the water may activate the water tank's release nozzle and overfill the humidifier base. This may cause the humidifier to function intermittently, or stop emitting mist. Should this occurs, simply remove the excess water from the humidifier base.

- ***High*** setting will produce the maximum moisture level and ***Low*** setting will produce the longest run time and quieter performance.

Tank Empty

Once the tank is empty, the humidifier will be shut off automatically. Unplug the humidifier from the electrical outlet. Before refilling, empty any residual water from the base and the tank (follow the daily maintenance instructions). Then follow the Filling Instructions to refill the tank and put back into the humidifier to begin operation.

Figure 2 Control Panel (close-up)



F. Power Button
G. Mist Control Button
H. Setting Indicators

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. Carry the base of the unit to the sink. Do not submerge base in water. Drain any remaining water and rinse thoroughly to remove any sediment or dirt. Wipe clean, and dry with a clean cloth or paper towel.
3. Drain the water from the tank into the sink and rinse tank thoroughly. Wipe clean, and dry with a clean cloth or paper towel.

CLEANING / MAINTENANCE STORAGE INSTRUCTIONS

4. Replace the housing, then refill tank with cool tap water as instructed earlier in the Filling Instructions. Do not overfill.
5. Follow Operating Instructions to turn on the humidifier.

Weekly Maintenance:

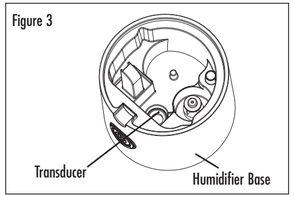
To Remove Scale:

1. Repeat previous steps in Daily Maintenance.
2. Clean the base by partially filling the base with one 8-oz cup of undiluted white vinegar. Leave this solution in the base for 20 minutes, while cleaning all the interior surfaces with a soft brush (brush not included). Gently scrub the area around the transducer (located at the humidifier base) with a soft brush. Remove base scale by wiping the base with a cloth dampened with undiluted white vinegar. (see Figure 3)
3. Rinse with clean warm water to remove the cleaning solution before disinfecting the tank.

To Disinfect Humidifier Base and Tank:

1. Fill humidifier tank 1/2 full with water and 1/2 tablespoon of chlorine bleach.
2. Let the solution stand for 20 minutes, swishing every few minutes. Wet all surfaces.
3. Carefully empty the tank after 20 minutes, and rinse with warm water until you cannot detect any bleach smell. Dry with a clean cloth or paper towel.
4. Refill the water tank with cool water and replace on housing (see Filling Instructions above). Follow Operating Instructions to turn the humidifier ON.

Figure 3



5. To clean the humidifier base, pour out all excess water. Rinse thoroughly to remove any sediment or dirt. Wipe clean and dry with a clean cloth or paper towel. Do not use metal cleaning utensils or abrasive cleansers.

STORAGE INSTRUCTIONS

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

1. 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.
2. Place the humidifier in the original carton and store in a cool, dry place.

If you have any questions regarding your product or would like to learn more about other Holmes® products, please visit our website at www.holmesproducts.com. For inquiries regarding recycling and proper disposal of this product, please contact your local waste management facility.