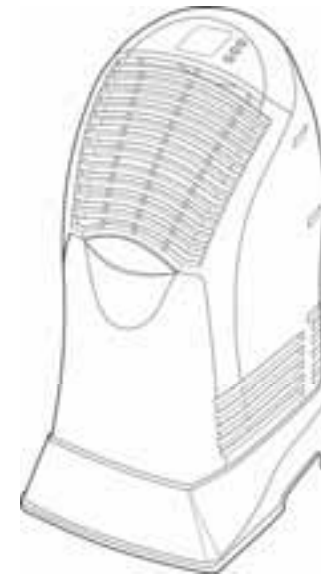


READ AND SAVE THESE INSTRUCTIONS
Use and Care Guide

MoistAIR[®] MC

TOWER HUMIDIFIER
6 Gallon Output with
Digital Readout
Model MA0600



**5800 Murray St.
Little Rock, AR 72209
1-800-547-3888**

CAUTION: Before using this product, read this manual and follow all its Safety Rules and Operating Instructions.

- Safety
- Assembly
- Operation
- Maintenance
- Parts



Essick Air Products
5800 Murray St. Little Rock, AR 72209
www.moistair.com

GENERAL SAFETY INSTRUCTIONS

Safety Signal Words

DANGER: Means if the safety information is not followed someone will be seriously injured or killed.

WARNING: Means if the safety information is not followed someone could be seriously injured or killed.

CAUTION: Means if the safety information is not followed someone may be injured.

1. To reduce the risk of fire or shock hazard, plug humidifier directly into a 120 V, A.C. electrical outlet. Do not use extension cords.
2. Keep the electric cord out of traffic areas. To reduce the risk of fire hazard, never put the electric cord under rugs, near heat registers, radiators, stoves or heaters.
3. Always unplug the humidifier before moving it, before cleaning, or whenever the humidifier is not in service.

WARNING: To reduce risk of fire, electric shock, or injury always unplug before servicing or cleaning.

4. Keep the humidifier clean
5. Do not put foreign objects inside the humidifier.
6. Do not allow to be used as a toy. Close supervision is necessary when used by or near children.
7. Never use your humidifier while any part is missing or damaged in any manner.
8. To reduce the risk of electrical hazard or damage to humidifier, do not tilt, jolt or tip humidifier while unit is running.
9. To reduce the risk of damage to humidifier, unplug when not in use.
10. To reduce the risk of accidental electrical shock, do not touch the cord or controls with wet hands.
11. To reduce the risk of fire, do not use next to an open flame source, such as a candle or other flame source.
12. Note the warning label shown adjacent.

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MoistAIR HUMIDIFIER WARRANTY POLICY

**EFFECTIVE APRIL 1, 2008
SALES RECEIPT REQUIRED AS PROOF OF PURCHASE
FOR ALL WARRANTY CLAIMS.**

This product is warranted against defects in workmanship and materials for one year from the date of sale except for motors, which are warranted for two years. This warranty does not apply to filters or wicks which are customer-replaceable parts. This warranty applies only to the original purchaser of the product when it is purchased from a reputable retailer/dealer.

This warranty does not apply to damage from accident, misuse, alterations, unauthorized repairs, unauthorized use, mishandling, unreasonable use, abuse, including failure to perform reasonable maintenance, normal wear and tear, nor where the connected voltage is more than 5% above the nameplate voltage, nor to the equipment or products being improperly installed or wired or maintained in violation of this Owner's Manual.

Alterations include the substitution of name brand components including, but not limited to wicks and bacteria treatment.

THIS PRODUCT IS NOT INTENDED FOR COMMERCIAL USE. THIS IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY MANUFACTURER WITH RESPECT TO THE PRODUCTS AND, TO THE MAXIMUM EXTENT PERMITTED BY LAW, IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE.

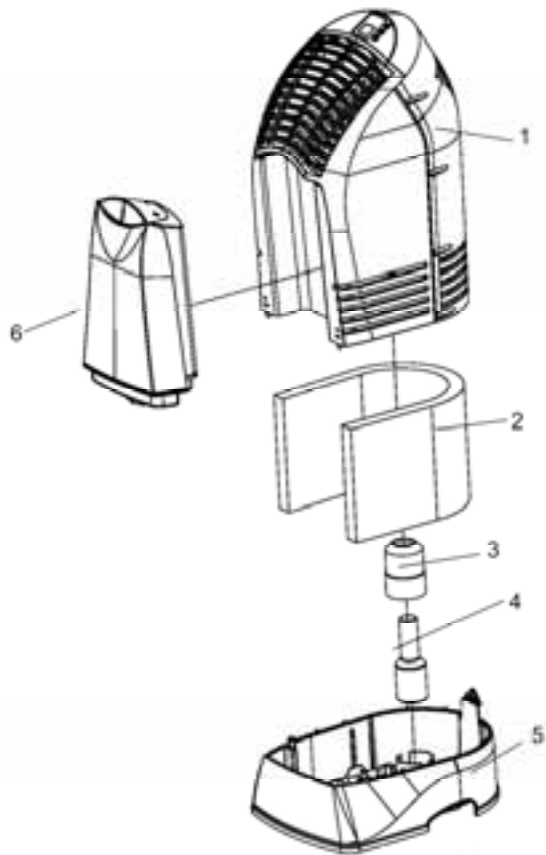
No employee, agent, dealer or other person is authorized to give any warranties or conditions on behalf of the manufacturer. The customer shall be responsible for all costs incurred in the removal or reinstallation and shipping of the product for repairs.

Within the limitations of this warranty, purchaser with inoperative units should contact customer service @ 800-547-3888 for paperwork and instructions on the return of the unit for repair. A copy of the sales receipt is required before authorization to return a unit for repair is approved. The manufacturer will repair or replace the product, at its discretion, at no charge to the customer with return freight paid by the manufacturer. It is agreed that such repair or replacement is the exclusive remedy available from the manufacturer and that TO THE MAXIMUM EXTENT PERMITTED BY LAW, THE MANUFACTURER IS NOT RESPONSIBLE FOR DAMAGES OF ANY KIND, INCLUDING INCIDENTAL AND CONSEQUENTIAL DAMAGE OR LOSS OF PROFITS OR REVENUES.

This warranty will be null & void if purchaser attempts to repair or replace any parts which are mechanical or electrical.

The warranty gives the customer specific legal rights, and the customer may also have other rights which vary from province to province, or state to state.

Parts List for MoistAir Humidifier Model No. MA0600

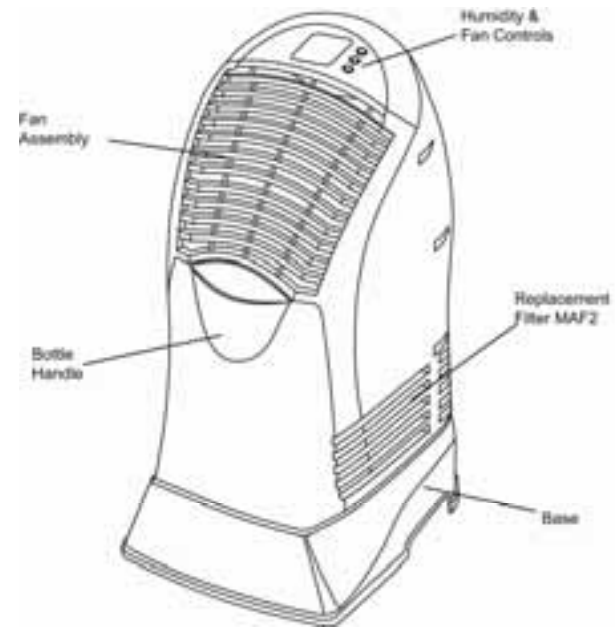


Always order by part number - Not by key number

Key No.	Part No.	Description
1	MA0600	* Housing, Upper Assembly (includes all parts 1-7)
2	MAF2	± Filter
3	831188-1	Support, Float
4	831189	Float, Reservoir
5	1B71760	Base
6	1B71762	Bottle Assembly
7	1B71754	Operator's Manual (not shown)

± Stock item - May be secured through the Hardware Department of most retail stores.

KNOW YOUR HUMIDIFIER



Description	MA0600
* Gallon Output 24/hrs	6 gallons
Capacity of Bottle	1.25 gallons
Capacity of Base	1.25 gallons
* Sq. Ft. Coverage	1300
Fans Speeds	3
Replacement Filter	MAF2
Auto Humidistat	Yes
Auto Shut Off	Yes
Controls	Electronic Pushbutton
UL/CUL Listed	Yes
Volts	120 A.C.
Hertz	60
Amps (High Speed)	1.2
Watts (High Speed)	81

* Based on an area with average insulation and an 8 foot ceiling height.

How Your Humidifier Works

Your new humidifier is designed to satisfy home humidity requirements through the principle of evaporation of water in the air.

Once the filter becomes saturated, air is drawn in, passes through the filter and moisture is absorbed into the air. All evaporation occurs in the humidifier so any residue remains in the filter. This natural process of evaporation virtually eliminates white dust.

CAUTION: To reduce the risk of injury, fire or damage to humidifier, use only cleaners specifically recommended for humidifiers. Never use flammable, combustible or poisonous materials to clean your humidifier. To reduce the risk of scalds and damage to humidifier, never put hot water in humidifier.



Getting Your Humidifier Up and Running

Once removed from its carton, remove all packing materials. Verify the filter is properly installed (See page 10).

Step 1. Location

WARNING: For your own safety, do not use humidifier if any parts are damaged or missing.

Selecting a Location

Place humidifier on a flat level surface; take extra care in leveling when placing the unit on carpet. Position the humidifier where the most humidity is needed or where the most air will be circulated throughout the house such as near a cold air return.

Moist air (humidity) produced will disperse into the whole house, but the area closest to the unit will have the highest humidity. If the unit is positioned close to a window, condensation may form on the window pane. If this occurs the unit should be repositioned in another location.

Troubleshooting

Trouble	Probable Cause	Remedy
Digital display not illuminated.	<ul style="list-style-type: none"> No Power Power button has not been depressed. 	<ul style="list-style-type: none"> Check 120 volt power source. Press power button once to turn on.
Fan not operating (digital display is illuminated).	<ul style="list-style-type: none"> ROOM humidity level is not 3% or more below SET humidity level. Reservoir is empty. 	<ul style="list-style-type: none"> Raise SET humidity level if desired. Increase fan speed. Fill humidifier with water.
Fan running continuously.	<ul style="list-style-type: none"> SET humidity level is 65%. ROOM humidity level has not reached 1% or more above SET humidity level. 	<ul style="list-style-type: none"> A Set humidity percentage of 65% operates fan continuously. Adjust SET level between 25%-60%. Continue to run until desired humidity level is achieved. This may take up to 48 hours initially.
Poor evaporation of water.	<ul style="list-style-type: none"> CHECK FILTER message flashing. Mineral buildup on filter. 	<ul style="list-style-type: none"> Change to a fresh new filter. NOTE: Local water purity varies from area to area.
Bottle empties completely.	<ul style="list-style-type: none"> This is normal for initial filling. 	<ul style="list-style-type: none"> Refill bottle for maximum run time.
Bottle continues to empty after complete filling.	<ul style="list-style-type: none"> Air is entering water bottle. 	<ul style="list-style-type: none"> Check for leak in water bottle.
Bottle not emptying.	<ul style="list-style-type: none"> Spring Valve Assembly damaged or missing post in bottom of base. Base full of water. 	<ul style="list-style-type: none"> Check orientation of bottle. Reposition so that fill valve on bottom of bottle is depressed by post in bottom of base. The base will hold the contents of water bottle (1.25 gallons). Continue to run humidifier to deplete water from base.
Display blinks or fan moves slightly when humidifier is plugged in.	<ul style="list-style-type: none"> Normal 	<ul style="list-style-type: none"> No action required.
Fan operating slower than speed registered on digital display	<ul style="list-style-type: none"> Humidifier in "DRY OUT MODE". 	<ul style="list-style-type: none"> Humidifier automatically switches fan to (LOW) F1 when "F" and alternating room humidity is displayed.
Humidifier not shutting off during "DRY OUT MODE"	<ul style="list-style-type: none"> Filter not dry. 	<ul style="list-style-type: none"> During "DRY OUT MODE" the humidifier will continue to run on "LOW" speed as required for up to 2 hours or until the filter is completely dry.
Alternating "F" and room humidity displayed.	<ul style="list-style-type: none"> Reservoir is empty. 	<ul style="list-style-type: none"> Fill humidifier with water.
Alternating "CF" and room humidity displayed.	<ul style="list-style-type: none"> Filter may be dirty. 	<ul style="list-style-type: none"> Replace filter. Unplug unit for 30 seconds and replug in to clear.

Step 3

Bi-Weekly Maintenance

Removing Scale

1. Fill the humidifier base with water and add one 8-ounce cup of white vinegar. Let solution stay 20 minutes.
2. Clean all interior surfaces with a soft brush. Dampen a soft cloth with white vinegar and wipe out the base to remove scale.
3. Rinse thoroughly with clean warm water to remove scale and cleaning solution.

Disinfecting Base

1. Pour 1/2 gallon of water and 1/2 teaspoon chlorine bleach into the base. Let solution stay for 20 minutes, carefully swishing every few minutes. Wet all surfaces normally exposed to water.
2. Empty base after 20 minutes. Rinse with water until bleach smell is gone. Allow unit to dry out completely.

NOTE: The water bottle should be cleaned in the same manner as the base. Rinse thoroughly with clean water after all steps are complete.

End of Season Maintenance

1. Follow "Bi-Weekly Maintenance" instructions at end of humidification season.
2. Remove filter.
3. Let humidifier dry completely before storing.
4. Store in cool, dry location.
5. Install a new filter in clean humidifier before next season begins.

NOTE: "Bi-Weekly Maintenance" procedure is also recommended if you do not plan to run the humidifier for one week or more.



Positioning the Unit

The humidifier should be positioned with the back (cord exit side) and sides, at least 2 inches away from the wall. Air needs to enter through all of the louvers in the housing assembly in order for the humidifier to operate at peak efficiency.

NOTE: Be sure humidistat (located approximately 4 inches outside humidifier body on power cord) is free from obstruction and away from any hot air register.

NOTE: Due to release of cool, moist air from humidifier, it is best to direct air away from thermostat and hot air registers and to position humidifiers next to an inside wall. Unit should not be placed where cold air from outside walls or warm air from a hot air register blows directly on it.



Step 2. Electrical Hook-Up

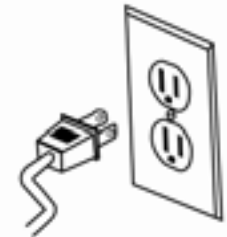
Locate nearest 120V A.C. wall socket in the location desired, preferably on inside wall. With the humidifier in the desired location, route the electrical cord safely so no one will trip or knock over the humidifier.

Plug in the electrical cord.

WARNING: To reduce the risk of fire or shock hazard, only plug humidifier into a 120V A.C. outlet. Do not use extension cords.

To reduce the risk of electrical shock, this humidifier has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way.

If the plug does not fit fully in the outlet, reverse plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.



Step 3. Water Fill

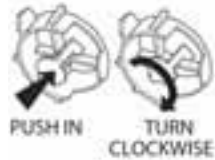
WARNING: To reduce the risk of fire or shock hazard, do not pour or spill water into control or motor area. If controls get wet, let them dry completely and have unit checked by qualified service personnel before plugging in.

After the humidifier is positioned where it will be operating, you are ready to fill the humidifier. The bottle tilts out and away from the base. Take care not to bump or damage fill valve assembly on the bottom of the bottle.

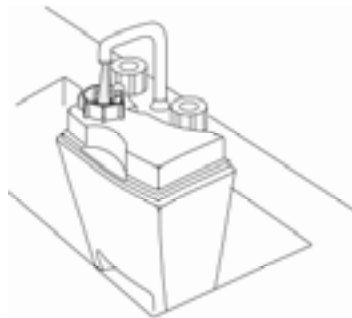
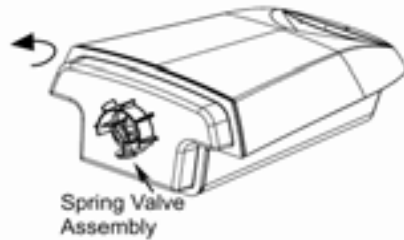
Invert the bottle. Press the valve stem button into the bottle and turn clockwise to lock in open position. Place bottle under the faucet. Fill the bottle, being careful not to allow any debris to get in the valve seating. Once the bottle is full, press the valve stem button and turn counter clockwise to release and close.

CAUTION: Use only EPA Registered Bacteriostat . **Under no circumstances** should you use water treatment products designed for Rotobelt or Ultrasonic humidifiers.

Place the water bottle back into the humidifier base. When positioned properly, the plunger will open and the water will flow into the base. The base will hold the entire contents of the water bottle. Once the bottle is empty, remove it and repeat the filling process. The humidifier is now filled to capacity. For less frequent filling let the humidifier exhaust both the water from the bottle and the base before filling.



Press valve stem and turn clockwise to lock in open position - Counterclockwise to release and close



Cleaning and Maintenance

WARNING: To reduce the risk of shock, always unplug humidifier before cleaning or servicing. If humidifier is not unplugged, fan could start after housing is removed.

WARNING: To reduce the risk of injury, fire or damage to humidifier, use only cleaners specifically recommended for humidifiers. Never use flammable, combustible or poisonous materials to clean your humidifier. To reduce the risk of scalds and damage to humidifier, never put hot water in humidifier.

CAUTION: Local water purity varies from area to area and under certain conditions water impurities and airborne bacteria may promote the growth of microorganisms in the reservoir of the humidifier. To retard bacteria growth that may cause odors and be harmful to your health, use only recommended replacement filters. Also use EPA registered Bacteriostat.

Step 1

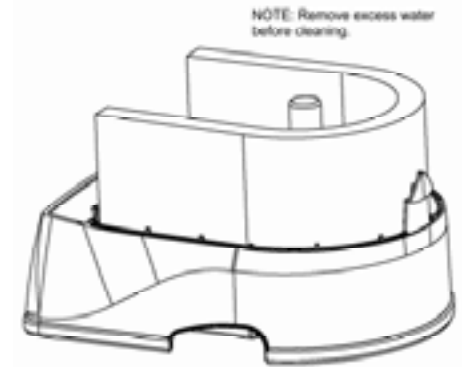
To make cleaning easier, the humidifier base should be empty and completely dried out. To accomplish this, use the following method:

- Allow the humidifier to run until the REFILL message "F" illuminates and the automatic shutoff has stopped the humidifier fan.
- Unplug humidifier.

Step 2

Remove humidifier parts. See "Filter Replacement and Care" page 10.

NOTE: There may be a little water still in the base. Carefully dump the water out or remove with a sponge.



Filter Replacement and Care

CAUTION: To help retard bacteria growth and keep maximum efficiency, the filter should be replaced at least once per season, or more often under hard water conditions. Use MAF2 replacement filter.

WARNING: To reduce the risk of shock or injury from moving parts, always unplug humidifier before removing or replacing any parts.

Replace the evaporative wicking filter at least once per humidification season or more depending on water conditions in your area.

Filter Replacement

1. Unplug humidifier. Before removing the filter, move the humidifier to an area not susceptible to water damage. (i.e. kitchen or bath areas).
2. Remove the water bottle and set aside. Be sure not to bump or damage the fill valve.
3. The upper housing and the base are held together by two hooks at the front of the housing and a flexible snap in the rear. To remove the housing, press in on the triangular shaped snap at the rear of the humidifier, below the cord exit, while lifting upward, tilting the upper housing forward to clear the hooks at the front of the base.
4. Set the upper housing aside. The filter is now accessible.

5. Take note of the filter position. Remove the filter. You may want to clean the base at this time. See the "Cleaning and Maintenance" section of this manual.
6. Install a new filter (MAF2) into the base. Position the filter between the uprights in the bottom of the base. The filter should be resting on the floor of the base.
7. Return the upper housing to the base by first placing the hooks located near the front of the base into the mating holes in the upper housing. Then tilt the upper housing down towards the base until the rear snap engages the main housing.
8. Reposition the humidifier to its operating position.
9. The humidifier is now ready to be filled for operation.



Step 4. Setting the Controls

Where you set your desired humidity levels depends on your personal comfort level, outside temperature and inside temperature. A starting Set point of 30%-40% ROOM humidity is recommended but there may be conditions that require a different setting.

When Outdoor Temperature is:	Recommended Indoor Relative Humidity is:
-10°F -24°C	20%
2°F -18°C	25%
10°F -12°C	30%
≥ 20°F -6°C	35%

The chart provided offers general guidelines for selecting indoor humidity.

IMPORTANT: Water damage may result if condensation starts to form on windows or walls. Humidity SET point should be lowered until condensation no longer forms. We recommend room humidity levels do not exceed 50%.

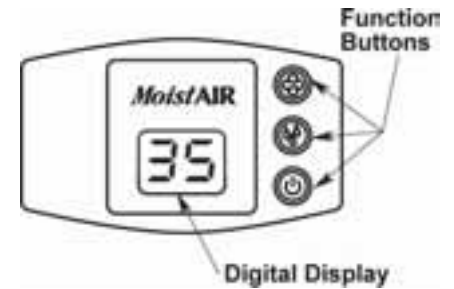
Operating the Controls

Digital Display

Press the power button once to turn the unit on*. Initially there is a slight delay while the electronics calibrate. Two bars (--) appear during this time.

Once calibration is complete a ROOM humidity reading between 20% – 95% will be displayed. A flashing 20 display indicates that the room humidity is less than 20%.

NOTE: The default settings at initial startup are **(LOW) F1** fan speed and **65% SET** humidity. After desired settings are selected by the user, they remain as long as the unit remains plugged in and there is no power interruption. If the unit is unplugged the **original** default settings will be restored.



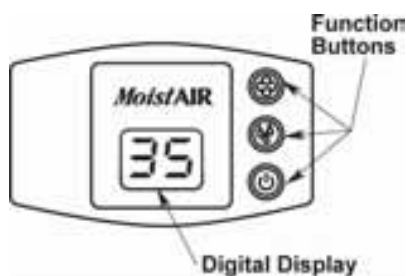
*Humidifier fan should operate at initial startup. If it does not, refer to "Fan not operating (digital display is illuminated)" in the "Troubleshooting" section on page 13 of this manual.

Operating the Controls - continued

Speed Button

This humidifier is equipped with a 3-speed fan control. Initially depressing the speed button will display the current speed setting. Each push of the speed button advances the mode through the settings of **(HIGH) F3**, **(MEDIUM) F2** and **(LOW) F1**.

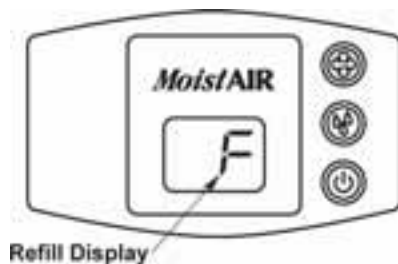
The selected setting is displayed on the digital readout. The higher the setting, the faster water is evaporated and released into the air. **F1 (LOW)** is the quietest setting and is provided for conditions that do not require a rapid evaporation rate.



Humidity Control

This button allows you to adjust the humidity to suit your needs. This humidifier will automatically cycle on and off as required to maintain the selected setting. The readout displays both actual **(ROOM)** and desired **(SET)** humidity percentage (%) settings when humidity control button is pressed. The **ROOM** readout has a range of 20% to 95%. If the room humidity level is equal to or less than 20% the display will show a flashing 20.

The **SET** readout has a range of 25% to 65% and is adjusted in increments of 5%. Initially depressing the humidity button will display the current humidity setting. Each additional press of the button increases the setting by 5%. A **SET** point of 65% operates the humidifier continuously regardless of the **ROOM** reading. The humidistat that senses the readings is located on the power cord. Insure that it is free from obstructions.



Using Your Humidifier

Refill Display

For maximum run time both the bottle and the base should be filled. When both the bottle and the base are empty the display alternates the room humidity reading and **"F" (FILL)**, indicating that additional water is required. Also at this time the unit will automatically switch into **DRY OUT MODE** and continue to run on the lowest speed until the filter is dry.

NOTE: During this time the room humidity level will continue to be monitored and the humidifier will cycle the fan on and off until the filter is completely dry. The fan will shut off leaving you with a dry humidifier that is less prone to mold and mildew growth. If **DRY OUT MODE** is not desired, refill the humidifier with water and the fan will return to the set speed.

NOTE: Fan automatically switches to lowest speed during **DRY OUT MODE**.

Check Filter Indicator

The ability of any humidifier to efficiently supply humidity output relies heavily on the condition of the filter. As the filter loads with impurities it gradually loses its wicking capability. When this happens, moisture output is reduced and the humidifier has to work longer to satisfy the selected setting. This humidifier has a check filter reminder timed to appear after 720 hours of operation. When display shows an alternating **"CF"** and **"room humidity"** setting at 5 second intervals it is a reminder to check the filter condition.



Humidistat

The humidistat located on the power cord senses the percentage of humidity in the air. It causes the humidifier to cycle on and off to maintain the selected humidity **SET** point. The fan will turn on if the **"ROOM"** reading falls 3% below the **SET** point and will continue to run the humidifier until a reading of 1% above the **SET** point is achieved. The fan will turn off until the **ROOM** reading falls 3% below the **SET** point again.

NOTE: Be sure that the humidistat, which is located on the power cord, is free from obstruction and away from any hot air source.