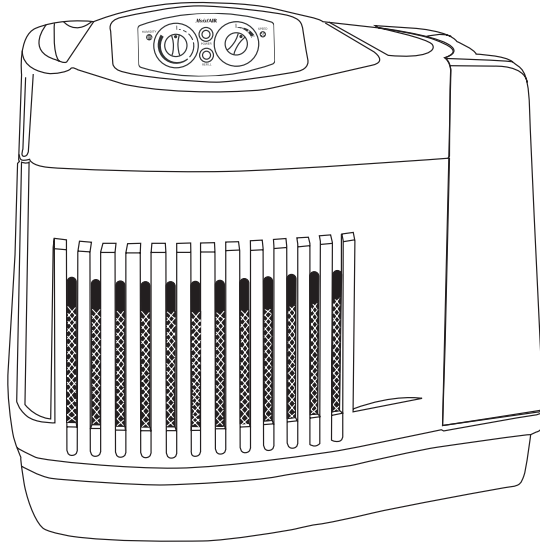


**CAUTION READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLATION.  
SAVE THIS OWNER'S MANUAL FOR FUTURE REFERENCE.**



**Model No.  
MA 0950 0**

***MoistAIR***

  
**EMERSON™**

**MA 0950  
Evaporative Console  
Humidifier Owner's Manual**

### Limited Warranty

All products covered by this Owner's Manual are 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 damage from accident, misuse or alteration nor where the connected voltage is more than 5% above the nameplate voltage, nor to the equipment improperly installed or wired or maintained in violation of this Owner's Manual. No other written or oral warranty applies. No employee, agent, dealer or other person is authorized to give any warranties on behalf of Emerson.

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, inoperative units should be returned, with a copy of the sales receipt, freight prepaid to a local repair service center and we will repair or replace, at our option, at no charge to you with return freight paid by Emerson. It is agreed that such repair or replacement is the exclusive remedy available from Emerson and that **Emerson Is Not Responsible For Damages Of Any Kind, Including Incidental And Consequential Damage.** Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

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

**Sales receipt required as proof of purchase for warranty claims.**

## 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.

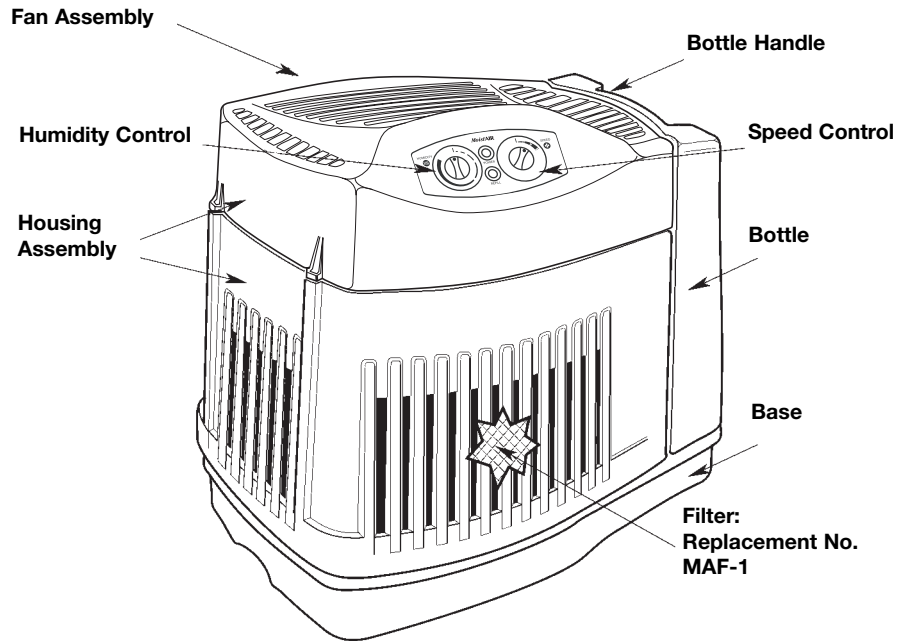
**CAUTION:** means if the safety information is not followed someone **may** be injured.

1. To reduce the risk of fire or shock hazard, plug humidifier directly into a 120V, 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, removing the fan assembly section, before cleaning, or whenever the humidifier is not in service.

4. Keep the humidifier clean.
5. Do not put foreign objects inside the humidifier.
6. Never use your humidifier while any part is missing or damaged in any manner.
7. To reduce the risk of electrical hazard or damage to humidifier, do not tilt, jolt or tip humidifier over while unit is running.
8. To reduce the risk of damage to humidifier, unplug humidifier when water bottles are empty or when the humidifier is not in use.
9. To reduce the risk of accidental electrical shock, do not touch the cord or controls with wet hands.
10. Note the warning label shown below.

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

## Know Your Humidifier



Description	MA 0950
Gallon Output/24 hrs	9.5
Capacity of Bottle	1.9 Gallons
Capacity of Base	2.0 Gallons
* Sq. Ft. Coverage	2000
Fan Speeds	3
Replacement Filter	MAF-1
Power Light	Yes
Fill Light	Yes
Auto Humidistat	Yes
Auto Shut Off	Yes
Controls	Rotary
CUL Listed	Yes
Volts	120 A.C.
Hertz	60
Amps	0.80
Watts	80

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

## Humidifier Operations

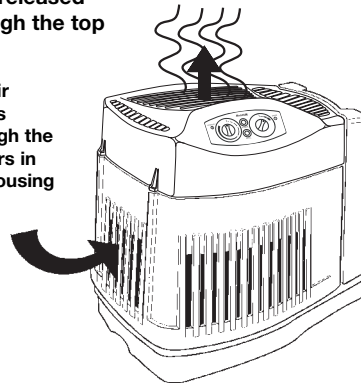
Your new MoistAir humidifier is designed to satisfy home humidity requirements through the principle of evaporation of water in the air.

After water is added to the humidifier, the filter begins to soak up the water and will become saturated in approximately 30 minutes. Air drawn in through the openings in the lower housing passes through the filter by means of a circulation fan. As air passes through the filter, moisture is absorbed into the air and then released in the form of vapor. No water droplets will enter the home. All evaporation into the air takes place in the humidifier, which means that the residue left by evaporating water is not passed into the home, but remains in the filter.

This natural process of evaporation helps eliminate the chance of white dust in the humidified output air.

Humidified air is then released through the top

Dry air enters through the louvers in the housing

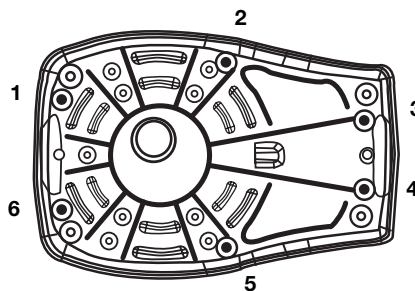


**CAUTION: Use only liquid EPA Registered Bacteriostat available from local Retail store. Under no circumstances should you use water treatment products designed for Roto belt or Ultrasonic humidifiers.**

**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.**

## Assembly

Carefully remove the humidifier and all other contents from the carton. There is a black strip that contains six pads for the bottom of the humidifier. Remove each pad and place one on each of the six legs on the bottom of the base as shown, by the solid dots. Once installed return the humidifier to its original state and proceed to "Locations Instructions".



## Location Instructions

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

### Step 1

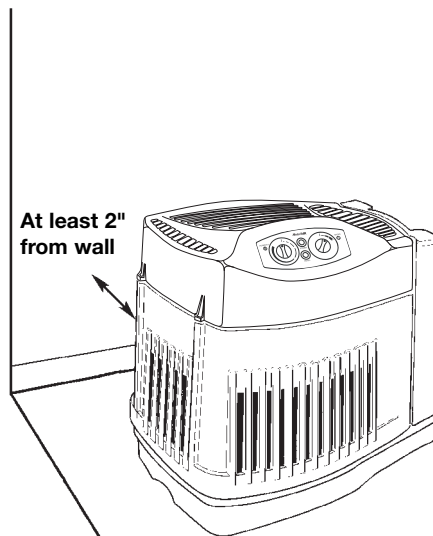
Place humidifier on a flat level surface in an area of house where most humidity is needed, or one which would likely result in moist air being circulated throughout the house such as near a cold air return. Placing the unit level is very important. Special attention should be given to unit's level if the humidifier is located on carpeting.

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 is not appropriate the unit should be repositioned in another location.

**NOTE:** Due to release of cool, moist air from humidifier, it is best to direct air away from home thermostat and hot air registers. It is best to position humidifier next to an inside wall. Hot air registers and cold air from outside walls can affect the efficiencies of the controls. Unit should not be placed where warm air from a hot air register blows directly on unit.

### Step 2

The humidifier should be positioned with the back (cord exit side) and left side, 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.



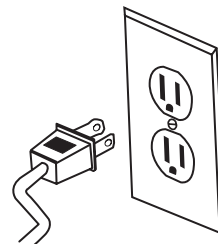
## Electrical Hook-Up

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 upset the humidifier. Plug in the electrical cord.

**WARNING: To reduce the risk of fire or shock hazard, humidifier should be plugged directly 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.



## Water Fill

**WARNING:** To reduce the risk of shock, always unplug humidifier before cleaning or servicing.

**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 authorized service personnel before plugging in.

This humidifier is designed for use with the water bottle located to the right of the upper grill. The water bottle holds 1.9 gallons of water. The humidifier should be positioned where it will be operating.

To fill the whole house humidifier, grasp the bottle handle at the top of the bottle and lift it straight up and away from humidifier base. Take care not to bump or damage spring valve assembly on bottom of bottle.

**NOTE:** If it is desired to use approved bacteriostat, follow directions correctly. The bottle of the whole house humidifier will hold 1.9 gallons of water.

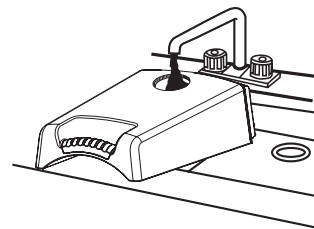
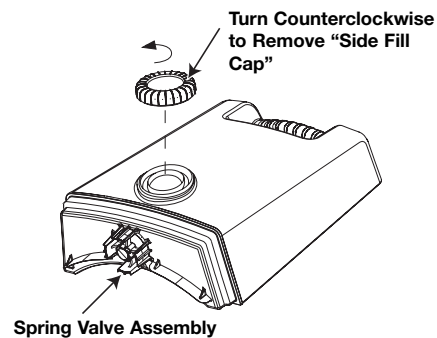
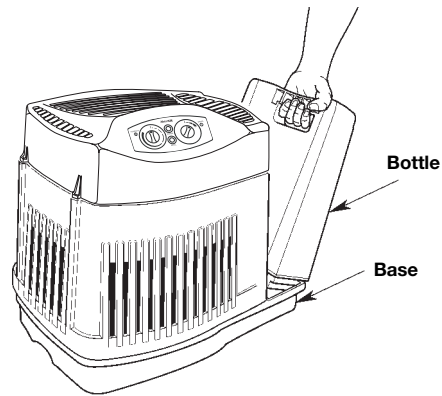
The water bottle is designed with a Side Fill Cap. Remove the Cap on the side of the water bottle by twisting counterclockwise.

Place the opening of the water bottle under a water faucet and fill. If desired, add liquid bacteriostat to help control the build up of bacteria and algae. Do not use solid water treatments. Solid debris could make the lower valve leak.

Install the "Side Fill Cap" by twisting clockwise. Hand tighten only.

**Check for possible leaks by performing the following:**

1. Grasp bottle handle and hold the bottle upright over a sink.
2. Press up on valve plunger for about one second to let out a little water.
3. Release the plunger.



4. Listen for air bubbles. Look for leaks around the "Side Fill Cap" and valve plunger.
  5. If you hear air bubbles or see leaks, retighten the "Cap" and repeat steps 1-4.
- Wipe off excess water from the bottle.

Position the water bottle back into the humidifier base to the right of the grille. The “Side Fill Cap” must be facing outward. When positioned properly, the plunger will open and water will flow into the base. The base will hold the entire contents of the water bottle. Allow up to one minute for the water to flow into the base. Once the bottle is empty, remove it and refill it as mentioned earlier. Return it to the right side of the grille. The humidifier is now filled to capacity.

The water bottle may be filled at anytime as necessary during operation. To benefit from less frequent filling let the humidifier exhaust both the water from the bottle and base before filling. The unit is now ready for operation.

## Operating Humidifier Controls

The operating controls of your MoistAir whole house humidifier are located towards the front of the humidifier. Familiarize yourself with the controls. Refer to the diagram of the control area for the correct nomenclature used in this manual.

### To Operate the Controls

#### Power Light

When the unit is plugged in and turned on, the red power light will come on. It will stay on until the unit is turned off ( | ) or unplugged.

#### Humidity Control:

Adjust the amount of humidity depending on your needs. The humidifier will turn on and off as required to maintain level of humidity selected. A medium setting (half way between the controls rotation) is recommended, but there are times when low or high amount of humidity may be preferred. For constant operation of humidifier, rotating the control all the way clockwise allows for the maximum amount of humidity to be evaporated into the air continuously.

**IMPORTANT: Water damage may result if condensation starts to form on windows or walls. Humidity Control setting should be lowered until condensation no longer forms.**

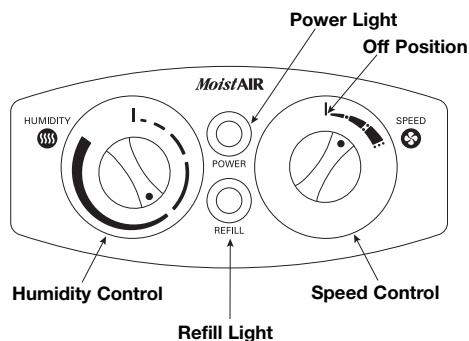
#### Speed Control

This humidifier has a three speed fan control switch. (•) - Low, (⊕) - Medium and (⊗) - High. The maximum humidity output is obtained with the fan control on high (⊗).

The higher the air flow speed, the more water is evaporated and released into the air. Low speed (•) is the quietest and is also provided for conditions that may not require as high an evaporation rate.

#### Refill Light

When the unit has a small amount of water left in it, the amber refill light will come on and the unit will automatically shut off.



## Using Your Humidifier

### Step 1

Be sure unit is full of water and plugged in.

### Step 2

Set the Speed Control to LOW (•).

### Step 3

Set Humidity Control to a medium position (see diagram below)

**NOTE:** Humidifier should operate with humidity control on the recommended medium setting. If it does not, the humidity is at a relatively high level. To test the unit under this condition, turn Humidity Control all the way to clockwise and unit should begin to operate. After the unit has been tested, set Humidity Control to medium or desired level.

Allow 24 hours for humidifier to adjust.

If humidity level in home is sufficient, the humidifier will only operate with Humidity Control set on maximum.

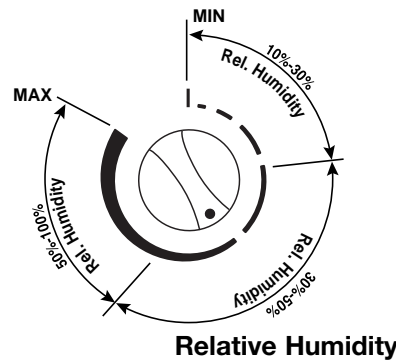
**IMPORTANT: Water damage may result if condensation starts to form on windows or walls. Humidity Control setting should be lowered until condensation no longer forms.**

### Step 4

If humidifier stops running and the amber Refill Light is not illuminated, the humidity level is at the normal requirements for that setting or it is adjusting to the home conditions. The table below shows recommended indoor humidity levels. The figure below shows approximate relative humidity percentages which correspond to the various settings of the Humidity Control.

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%

\* and above



## Operating Tips for Best Performance

1. Position the humidifier next to an inside wall at least 2 inches from the wall and away from any heat registers.
2. Do not restrict airflow from entering or exiting the humidifier.
3. Use EPA approved bacteriostat (available at your local retail store) to retard bacteria growth that may cause odors and may be harmful to your health.
4. Regular cleaning as instructed in "Cleaning Your Humidifier" section of this manual is recommended.
5. Replace the evaporative wicking filter at least once per humidification season or more depending on water conditions in your area.



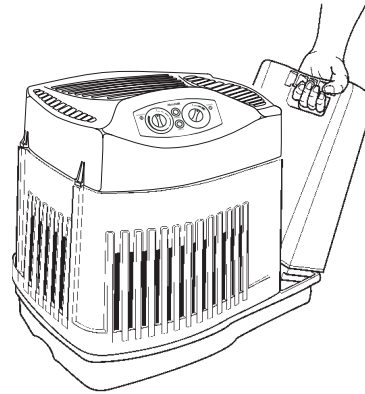
## Replacement and Care of Filters

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

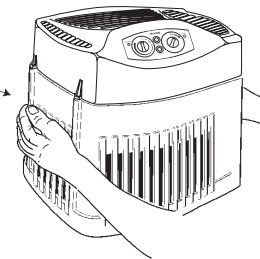
**CAUTION:** To help retard bacteria growth and keep maximum efficiency, the filter should be replaced at least once per season, or more often under hard water conditions. Use MoistAir recommended replacement filter MAF-1.

To replace the filter in your humidifier, follow the instructions below.

1. Unplug humidifier.  
Before removing the filters, we recommend moving the humidifier to an area where floor coverings are 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 lower spring valve.
3. Grasp the housing assembly and lift straight up and away from the base and set aside. The filter is now accessible.
4. Take note of the filter position. Remove the filter and dispose of properly. You may want to clean the base at this time. See the "Cleaning Your Humidifier" section of this manual.

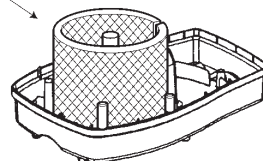


Grasp housing assembly securely and lift off



Filter

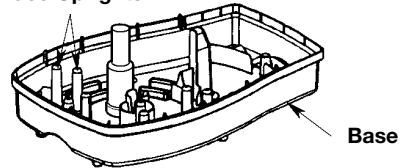
Base



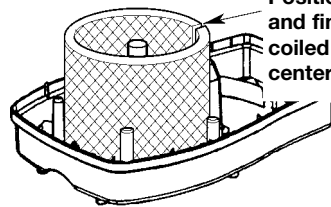
## Replacement and Care of Filters (continued)

5. Install a new filter (MAF-1) into the base. Coil the filter and position it between the uprights in the bottom of the base. The start and finish of the coil should be captured at the center of the base (see diagram) and the filter should be resting on the floor of the base.
6. Return the housing assembly to the top of the base. Return the water bottle to the right of the housing assembly and reposition the humidifier to its operating position.
7. The humidifier is now ready to be filled for operation.

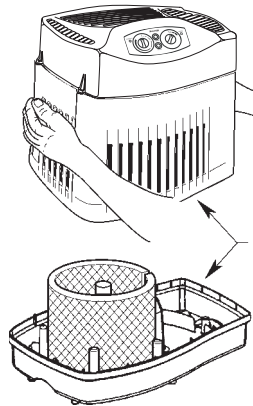
Base Uprights



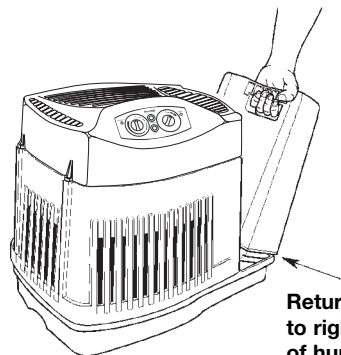
Position start and finish of coiled filter at center of base.



Align housing assembly bottom with top of base and reposition securely.



Return bottle to right side of humidifier.



## Cleaning Your Humidifier

**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 MoistAir replacement filters. We also recommend using EPA registered liquid bacteriostat, and cleaners specifically recommended for evaporative humidifiers available at your local retail store.

### Step 1

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

- a. Allow the humidifier to run until the amber Refill light illuminates and the automatic shutoff has stopped the humidifier fan.
- b. Unplug humidifier.

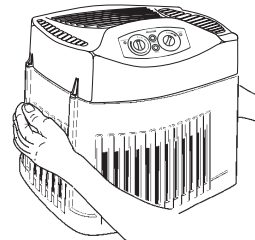
**WARNING:** If humidifier is not unplugged, fan could start after housing is removed.

### Step 2

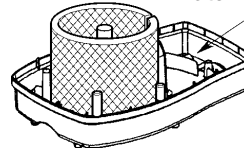
#### To Remove Parts

1. Remove the water bottle and set aside. Be sure not to bump or damage the lower spring valve.
2. Grasp the housing assembly and lift straight up and away from the base and set aside. The filter is now accessible.
3. Take note of the filter position. Remove the filter and set aside or dispose of properly.

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



**NOTE:** Remove excess water before cleaning.



## Cleaning of Humidifier (continued)

### Step 3

#### Bi-Weekly Maintenance Removing Scale

1. Fill the humidifier base with one 8 oz. cup of undiluted white vinegar. Let solution stay 20 minutes.
2. Clean all interior surfaces with a soft brush. Dampen a soft cloth with undiluted 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 gallon of water and 1 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.

### Step 4

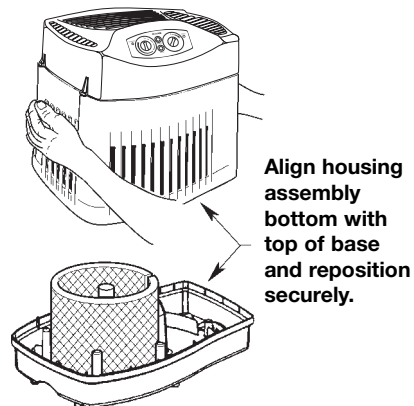
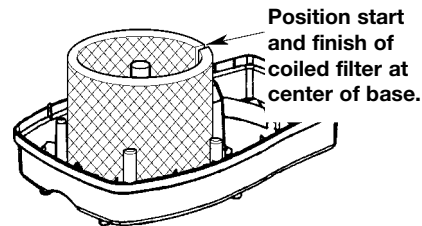
#### Replacing Parts

1. Install a new filter (MAF-1) or the filter previously set aside if it is in good condition into the base. Coil the filter and position it between the uprights in the bottom of the base. The start and finish of the coil should be captured in the centre of the base (see diagram) and the filter should be resting on the floor of the base.
2. Return the housing assembly to the top of the base. Return the water bottle to the right of the housing assembly and reposition the humidifier to its operating position.
3. The humidifier is now ready to be filled for operation.

### End of Season Maintenance

1. Follow "Bi-Weekly Maintenance" instructions at end of humidification season.
2. Remove filter and dispose of properly.
3. Let humidifier dry completely before storing. Do not store with water inside base or bottle.
4. Store in cool, dry location.
5. Install a new filter in clean humidifier before next season begins.

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

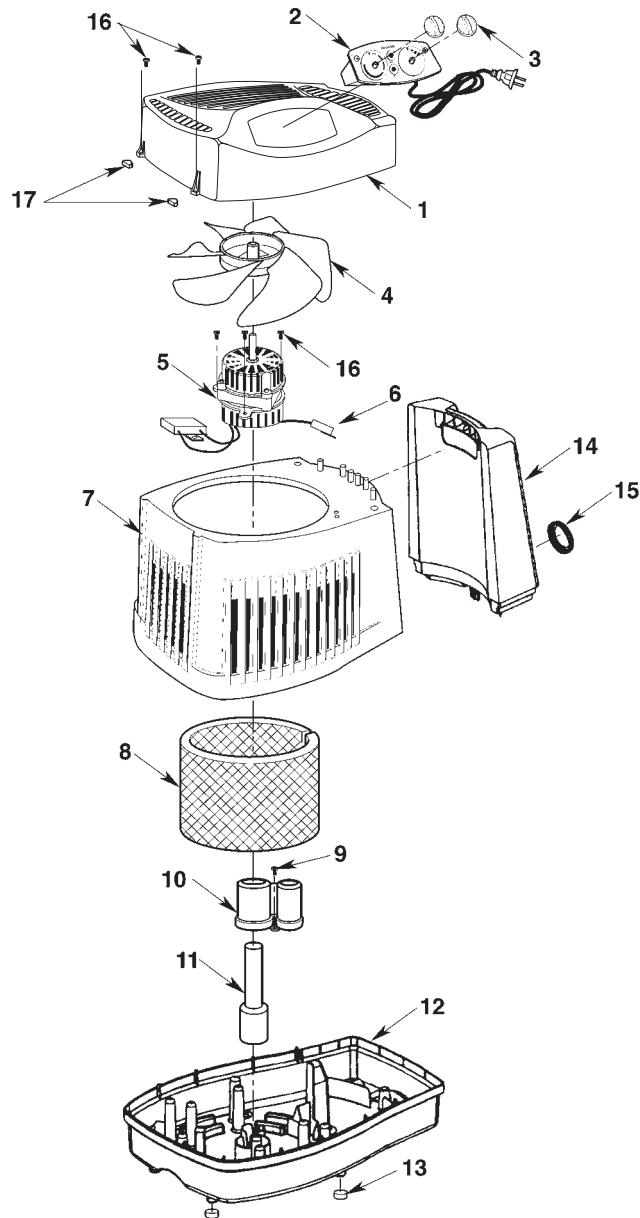


## Troubleshooting

Trouble	Probable Cause	Remedy
Power light not illuminated	<ul style="list-style-type: none"> <li>No Power</li> <li>Speed control in off position (See page 7.)</li> </ul>	<ul style="list-style-type: none"> <li>Check 120 volt power source.</li> <li>Turn speed control clockwise.</li> </ul>
Unit will not run and Fill Light is not on. <b>Note:</b> Red power light is on.	<ul style="list-style-type: none"> <li>Selected humidity level has been established.</li> </ul>	<ul style="list-style-type: none"> <li>Raise humidistat setting</li> </ul>
Unit will not cycle on and off.	<ul style="list-style-type: none"> <li>Humidity control turned all the way clockwise to "Constant On" position.</li> <li>Desired humidity not established.</li> <li>Humidifier under size for requirements.</li> </ul>	<ul style="list-style-type: none"> <li>Turn humidity control counter clockwise until the fan turns off.</li> <li>Allow up to 24 hours of run time for unit to adjust.</li> <li>Designed to satisfy an area up to 2000 sq. ft.</li> </ul>
Unit will not shut off.	<ul style="list-style-type: none"> <li>Float is not free.</li> </ul>	<ul style="list-style-type: none"> <li>Free float from obstruction.</li> </ul>
Unit will not dry out completely.	<ul style="list-style-type: none"> <li>This is normal.</li> </ul>	<ul style="list-style-type: none"> <li>A small amount of water remains in the base after the Refill Light comes on.</li> </ul>
Bottle continues to empty.	<ul style="list-style-type: none"> <li>Air is entering the bottle.</li> </ul>	<ul style="list-style-type: none"> <li>Check Side Fill Cap and lower spring assembly</li> <li>Check for leak in water bottle.</li> <li>Ensure gasket for Side Fill Cap is in place.</li> </ul>
Unit is not emptying during use.	<ul style="list-style-type: none"> <li>Dirty filter.</li> <li>Lower spring assembly on bottle damaged or missing post in bottom of base.</li> </ul>	<ul style="list-style-type: none"> <li>Change to a fresh new filter.</li> <li>Check orientation of bottle. Reposition so that lower spring valve assembly is depressed by post in bottom of base.</li> </ul>
<p><b>CAUTION: Use only approved EPA Registered liquid bacteriostat available from your local retail store. Use of other water treatment products may damage the filter elements. Under no circumstances should you use water treatment products designed for Rotobelt or Ultrasonic humidifiers.</b></p>		

## Repair Parts

### Parts List for MoistAir Humidifier Model No. MA 0950 0



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## Repair Parts

### Parts List for MoistAir Humidifier Model No. MA 0950 0

Always order by part number - Not by key number

Key No	Part No.	Description
1	830488	Housing, Upper
2	830782-1	Assembly, Control
3	830494-1	Knob
4	829821	Blade, Fan
5	830778	Motor
6	823728	Switch, Micro
7	830489-1	Housing, Lower
8	MAF-1	† Filter
9	829815	* Screw, Pan Hd. Ty. AB #6 x 1/2 SS
10	830496-1	Support, Float
11	829816	Float
12	830484-1	Base
13	829808	Foot, Rubber
14	830537-1	Bottle, Includes Key # 15
15	824690-3	Cap, Fill
16	829805	Screw, Pan Hd. Trx Hi-Lo #6 x 3/4
17	830587-1	Cap, Screw
18	SP6549	Owner's Manual (not shown)

\* Standard Hardware Item - May be purchased locally

† Stock item - Purchase locally or call 1-800-654-3545 from the USA or 1-866-808-6500 from Canada to order

NOTE: Any attempt to repair the control assembly or motor may create a hazard unless repair is done by a qualified service technician.

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FOR TECHNICAL HELP, CALL  
(800) 654-3545 FROM USA OR (888) 744-4687 FROM CANADA  
(Please have complete model number)

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***MoistAIR***<sup>®</sup>



Emerson Tool Company  
For more information about MoistAir<sup>®</sup> humidifiers visit our website at  
[www.moistair.com](http://www.moistair.com)