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# ESSICK 4D7 800 Owner's Manual

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[Find Your ESSICK Humidifier Parts - Select From 54 Models](#)

----- Manual continues below part list -----

## Available Replacement Parts for ESSICK 4D7 800

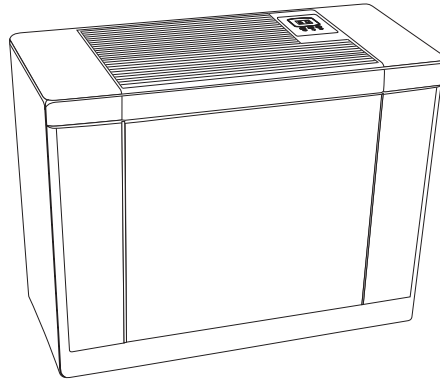
<a href="#">1B5060000</a>	BOTTLE CAP 1-3/8 DIAMETER
<a href="#">1B5060110</a>	WATER CONTAINER/BOTTLE
<a href="#">1B5060350</a>	FAN BLADE 10 WITH** D** SHAFT
<a href="#">1B5460630</a>	clip for fan blade, Each
<a href="#">1B5460980</a>	SPRING FOR BOTTLE CAP
<a href="#">1B5560410</a>	MOTOR FOR FAN, Rot cwse
<a href="#">7V1041</a>	FILTER
<a href="#">7V1051</a>	CARBON AIR FILTER 10 1/2X
<a href="#">1B5060140</a>	FILL HOSE ASSEMBLY
<a href="#">1B5462000</a>	SCREW
<a href="#">1B5461000</a>	SCREW COVER
<a href="#">1B5560310</a>	PLUG RECEPTACLE
<a href="#">CB41-3</a>	FRAMED WICK FILTER 9 3/4X

**READ AND SAVE THESE INSTRUCTIONS**



**EVAPORATIVE  
HUMIDIFIER**

**OWNER'S  
CARE  
&  
USE  
MANUAL**



**MODELS:**

**4D7 300 OAK BURL**

**4D7 800 WHITE**

- Digital control
- Variable Speed
- Automatic Humidistat
- Automatic Shutoff
- Quiet Setting for Nighttime use
- Easy to clean, removable power pack

*French and Spanish  
Instructions included.*

*Se incluyen instrucciones  
En Español y Francés.*

*Directives en Français et en  
espagnol compris*



**SAVE THE ENVIRONMENT  
RECYCLE APPROPRIATE MATERIALS**  
*Patents: 5,037,583; 5,110,511; 5,133,904  
Other Patents Pending*

*To order parts and accessories call  
1-800-547-3888*

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## IMPORTANT SAFEGUARDS

### READ BEFORE USING YOUR HUMIDIFIER

1. 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 into a polarized 120-volt AC, 15 amp outlet, and 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. Do not attempt to defeat this safety feature. If an extension cord must be used, it should also accept the wide blade plug and meet this electrical rating.
2. Do not place the cord under rugs, near loose draperies, in traffic areas, nor near heat sources or combustible materials.
3. **Do not use the humidifier if the cord is damaged.**
4. **Always unplug the power cord before filling, cleaning, servicing, or when the unit is not in use.**
5. This humidifier is ETL listed with Essick Air brand evaporative wicks in place.
6. It is very important that cleaning solutions such as bleach, anti-bacteria treatment or descaler, which could be used to clean the cabinet, are not sprayed or applied to the chassis assembly. These solutions can cause serious electrical malfunction of the humidifier.

### INTRODUCTION

Your Essick Air evaporative humidifier adds invisible moisture to your home by moving dry air through a saturated wick. As air moves through the wick, the water evaporates into the air, leaving behind any white dust, minerals, or dissolved and suspended solids. Because the water is evaporated, there is no messy mist or spray, just clean and invisible moist air.

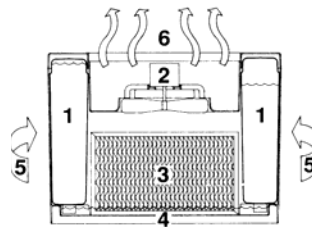
As the evaporative wick traps accumulated minerals from the water, its ability to absorb and evaporate water decreases. We recommend changing the wick at the beginning of every season. In hard water areas, more frequent replacement may be necessary to maintain your humidifier's efficiency.

Use only Essick Air brand replacement wicks and chemicals. To order parts, wicks and chemicals call 1-800-547-3888. The 400 Series humidifiers use Essick Air wick # 1041 and accommodate optional air filter #1051. Only the Essick Air evaporative wick guarantees the certified output of your humidifier. Use of wicks other than Essick Air brand will void your warranty as well as the certification of output and may reduce the efficiency of your humidifier.

**CAUTION: Do NOT position the unit directly in front of a hot air duct or radiator. Do NOT place on soft carpet.**

### HOW YOUR HUMIDIFIER WORKS

Dry air is drawn into the humidifier through the back and moisturized as it passes through the evaporative wick. It is then fanned out into the room.



#### LEGEND:

1. Water bottle
2. Chassis/power pack (motor/fan assembly)
3. Evaporative wick
4. Water reservoir
5. Dry room air intake
6. Moist air output

## ASSEMBLY

### UNPACKING AND SETTING UP THE UNIT

1. Remove the two inserts from the top of the humidifier.
2. Lift off the water bottle covers. Remove the water bottles, lift off the chassis/power pack and then remove the humidifier cabinet from the carton.
3. Remove the evaporative wick and all of the remaining packaging materials from the cabinet. Check to see that you have all of the following items removed from the boxes, accessory kit, and cabinet before discarding the packaging:

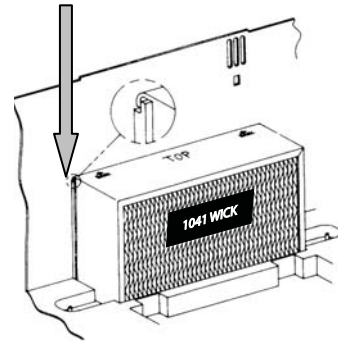
- ◆ Filler Hose
- ◆ Caster kit
- ◆ Bacterial treatment sample
- ◆ Evaporative Wick
- ◆ Two end covers
- ◆ Two Water Bottles

### CASTERS

4. Turn the empty cabinet upside down. Insert each caster stem into a caster hole on each corner of the humidifier bottom. The casters should fit snugly and be inserted until the stem shoulder reaches the cabinet surface.
5. Turn the cabinet right side up.

### EVAPORATIVE WICK

6. Insert the 1041 wick into the unit. The wick has a mounting rib on the top edge which hooks over a rib at the inside back of the cabinet. This allows the wick to hang in the water channel (see cutaway illustration for details). Hang wick into cabinet as shown.



### OPTIONAL AIR CLEANING FILTER (sold separately)

7. If available, install the 1051 AirCare® filter at the back of the unit. The filter has four tangs that engage into four keyhole slots that mount the AirCare® filter onto the outside of the back of the cabinet.

### FILLING INFORMATION

8. Your humidifier is equipped with two water bottles. Each bottle holds 2.75 gallons.
9. A fill hose that fits most faucets is provided with your humidifier. Fill the bottles with cool, fresh (preferably unsoftened) water. If you only have softened water available in your home, you can use it, but mineral buildup will occur more quickly.

**NOTE:** For optimum running time, fill each water bottle, tighten the cap, and place inside unit. Do not fill the reservoir bucket, as overfilling will result in water damage. Use only the bottles provided. One bottle will drain until the reservoir is filled. Remove the partially emptied bottle and refill it. Place back in humidifier cabinet.

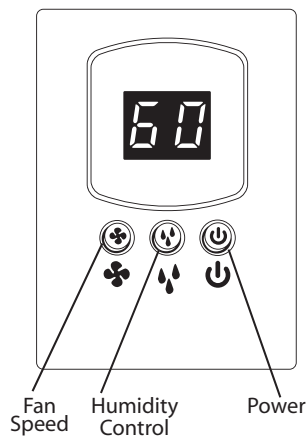
**CAUTION:** When filling, be careful not to pressurize the bottle by overfilling it. Bottle damage can result from this, and will not drain properly.

**NOTE:** On initial fill up, it will take approximately 20 minutes for the reservoir to fill because the dry wick has to absorb water. Subsequent fillings will take approximately 12 minutes, since the wick is already saturated.

10. After the filling process is complete, place the chassis/power pack unit into the cabinet, so it fits without tipping or rocking.
11. Insert the water bottles into the humidifier, placing them with the valve cap end down, so that the groove in the water bottle faces the inside.
12. Replace the water bottle cover.

## CONTROLS AND OPERATION

1. Plug cord into wall receptacle. Your humidifier is now ready for use. The humidifier should not be near any heat registers. Place the unit at least FOUR inches away from any walls. Unrestricted airflow into the unit will result in the best efficiency and performance.
2. The digital controller has a display that provides information on the status of the unit. Depending on which function is being accessed, it displays relative humidity, fan speed, set humidity and indicates when the unit is out of water.



### FAN SPEED

3. Press the power button and select fan speed: F1 through F9 proceeding from low to high speed.

**NOTE:** When excessive condensation exists, a lower speed setting is recommended.

### HUMIDITY CONTROL

**NOTE:** Both models have an automatic humidistat that cycles the humidifier on and off as required to maintain the selected setting.

4. At initial startup the relative humidity of the room will be displayed.
5. Each successive push of the Humidity Control Button will increase the setting in 5% increments. At 65% set point, the unit will operate continuously.
6. One bottle is designed to empty first. The control display will indicate each bottle empties with a flashing "F". When the unit is completely out of water, the motor will shut off.

7. This humidifier has a check filter reminder timed to appear after 720 hours of operation. When the Check Filter (CF) message is displayed, disconnect the power cord and check the condition of the filter. The CF function is reset after plugging the unit back in.

## OPTIONAL AIRCARE® FILTER

The optional Aircare® filter is an excellent means of cleaning the air while using your humidifier. The first stage of the air filter is a high-efficiency, electro-statically charged filter media which traps dust, pollen, and airborne pollutants. The second stage is an activated carbon media which absorbs odors from cooking, pets, or tobacco smoke.

We recommend replacing the AirCare® filter at least once a year and more often if necessary. When the white filter media is coated with a layer of dust and dirt, it is time to replace the AirCare® filter. The certified water output of your humidifier will be reduced when using the AirCare® filter. AirCare® filters are optional and are not required for normal operation of the humidifier. AirCare® is registered trademark of Essick Air Products.

### **CARE AND MAINTENANCE**

**CAUTION:** Disconnect power before filling, cleaning or servicing unit. Keep grille dry at all times.

Cleaning your humidifier regularly helps eliminate odors and bacterial and fungal growth. Ordinary household bleach is a good disinfectant and can be used to wipe out the humidifier base and bottle/reservoir after cleaning. We recommend cleaning your humidifier at least once every two weeks to maintain optimum environmental conditions for your home.

We also recommend using Essick Air Bacteriostat Treatment each time you refill your humidifier to eliminate bacterial growth. Add bacteriostat according to the instructions on the bottle. Please call 1-800-547-3888 to order Bacteriostat Treatment reference part number 1970.

1. Turn off unit completely counterclockwise and unplug from outlet.
2. Lift out the water bottle and the power pack.
3. Carry bottle and base to cleaning basin. Lift wick from the base allowing the water to drain. Rinse wick under fresh water only. Do not use soap, detergent, or any other cleaners on the wick. Leave in sink to drain.

### **REMOVING SCALE**

4. Empty the water from the reservoir and water bottles. Fill reservoir and each water bottle ½ full with water and add 8 oz. (1 cup) of white vinegar to each. Let stand 20 minutes. Then empty solution.
5. Dampen a soft cloth with white vinegar and wipe out reservoir to remove scale. Rinse the water bottles and reservoir thoroughly with fresh water to remove scale and cleaning solution before disinfecting.

### **DISINFECTING UNIT**

6. Fill each water bottle and reservoir ½ full with water and add 1 teaspoon of bleach to each. Wipe cabinet and bottle surfaces with this solution. Let solution stay for 20 minutes, then rinse with water until bleach smell is gone. Dry with clean cloth. The outside of the unit and water bottles may be wiped down with a soft cloth dampened with fresh water.
7. Refill unit and re-assemble per ASSEMBLY instructions.

### **SUMMER STORAGE**

1. Clean unit as outlined in Care & Maintenance section.
2. Discard used wick and any water in the reservoir or bottles and allow to dry thoroughly before storage. Do not store with water inside reservoir or bottles.
3. Do not store unit in an attic or other high-temperature area.
4. Install new filter at beginning of season.

## ESSICK AIR PRODUCTS 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, 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.