



# PORTABLE DEHUMIDIFIER

## User's Manual



**For information or assistance, please contact:**

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POWERED BY:  **GREE**

**KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE**

# INTRODUCTION

Thank you for choosing a **Soleus Air Dehumidifier** to provide you and your family with your home comfort needs. This owner's manual will provide you with valuable information necessary for the proper care and maintenance of your new dehumidifier. If properly maintained, your **Soleus Air Dehumidifier** will give you many years of trouble free operation. Please take a few moments to read the instructions thoroughly and familiarize yourself with all the operational aspects of this dehumidifier.

Your **Soleus Air Dehumidifier** removes unwanted moisture from the air to create a more comfortable environment in your home or office. This unit can be conveniently moved from room to room within your home and set up in just minutes.

For easy reference, please attach a copy of your sales slip/receipt to this page, along with the following information that is located on the manufacturers nameplate located on the rear panel of the unit.

Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Date of Purchase: \_\_\_\_\_

Dealer's Name and Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE**

 **This symbol denotes a caution or warning.**

# IMPORTANT SAFETY INSTRUCTIONS

**NOTE:** The WARNING instructions issued in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and care are factors that must be used when installing, maintaining, or operating the dehumidifier. Failure to install, maintain, and/or operate the equipment according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage. Contact your dealer, service agent or the manufacturer about any problems or conditions you do not fully understand.

**FOR YOUR SAFETY** – To reduce the risk of fire or explosion, do not store or use gasoline or other flammable vapors or liquids in the vicinity of this dehumidifier.

**ELECTRICAL SERVICE INFORMATION** – To reduce the risk of fire, electric shock or personal injury, all wiring and grounding must conform to the latest edition of Local and National Electrical Codes. It is the customer's responsibility to have the wiring and fuses checked by a qualified electrician to make sure adequate electrical power is available.

**GROUNDING INSTRUCTIONS** – Improper connection of the equipment-grounding conductor can result in a risk of electrical shock. Check with a qualified electrician or servicemen if you are in doubt as to whether your appliance outlets are properly grounded.

This dehumidifier must be grounded. In the event of a malfunction or breakdown, grounding will reduce the risk of electrical shock by providing a path of least resistance for electrical current. This dehumidifier is equipped with a cord having an equipment-grounding conductor and 3 prong grounded plug. The plug must be connected into an outlet that is properly installed and grounded in the accordance with all local codes and ordinances.

Do not modify the plug provided with the dehumidifier. If it will no fit the outlet, have a proper outlet installed by a qualified electrician.

If the household electrical supply does not meet specifications, or if you are not sure your home has an effective ground, have a qualified electrician or your local electrical utility company check it and correct any problems.



- All wiring must comply with local and national electrical codes and be installed by a qualified electrician. If you have any questions regarding the following instructions, contact a qualified electrician.
- Check available power supply and resolve any wiring problems **BEFORE** installation and operation of this unit.
- For your safety and protection, this unit is grounded through the power cord plug when plugged into a matching wall outlet. If you are not sure whether the wall outlets in your home are properly grounded, please consult a qualified electrician. **DO NOT USE PLUG ADAPTERS OR EXTENSION CORDS.**
- The manufactures nameplate is located on the rear technical data specific to this unit.
- To avoid the possibility of personal injury always disconnect the power supply to the unit, before installing and/ or servicing

**NOTE:** Specifications are subject to change without notice, for further improvements.

# FEATURES

- **Powerful Dehumidifying Capability**

Taking advantage of refrigeration technology, the dehumidifier powerfully removes partial moisture from the air to decrease the humidity level of the room and keep the indoor air dry and comfortable.

- **Lightweight Portable Design**

The dehumidifier is built to be compact and lightweight. The casters on the bottom of the unit make it easy to move from room to room or up and down stairs.

- **Low Temperature Operation with Automatic Defrost**

Dehumidifier will operate in temperatures down to 36°F, which is important for year-round use in basements.

- **Adjustable Humidistat**

Different rooms in your home call for different humidity levels, and our unit features 3 humidity settings. The humidity level feature cycles the unit after the desired humidity level is achieved.

- **Magnetic Float**

Will not become stuck with mineral deposits like other mechanical floats. Provides a more accurate water level reading and prevents overflow.

- **Quiet Operation**

When the dehumidifier operates at its lowest setting, the noise level is very low at 41 decibels.

- **Large Capacity Drainage Tank**

The drainage tank has a maximum capacity of 12.5 pints. This will reduce the frequency that you must discard the water.

- **Environmentally Friendly**

The dehumidifier uses the no CFC refrigerant to protect the environment and to reduce pollution.

- **Energy Efficient**

The unit features low power consumption.

## SPECIFICATIONS

Model	CFM-25E	CFM-40E
Power Supply	115V, 60Hz	
Capacity	12 liters/day (25 pints/day)	20 liters/day (40 pints/day)
Power Consumption	220W	330W
Water Tank Capacity	6 liters (automatic shutdown at ~ 5.5 liters) [12.5pints (automatic shutdown at ~ 11.5 pints)]	
Weight	27.5 lbs	30.8 lbs
Dimensions (WxDxH)	14.5" x 9.25" x 21	

- The dehumidification capacity is rated at a room temperature of 86°F with a relative humidity of 80%.
- If specifications are improved after this printing, the product nameplate will reflect the new specifications.
- The operational temperature is in the range of 36°F to 98°F. If the room temperature is outside of this range, the unit will not operate normally.

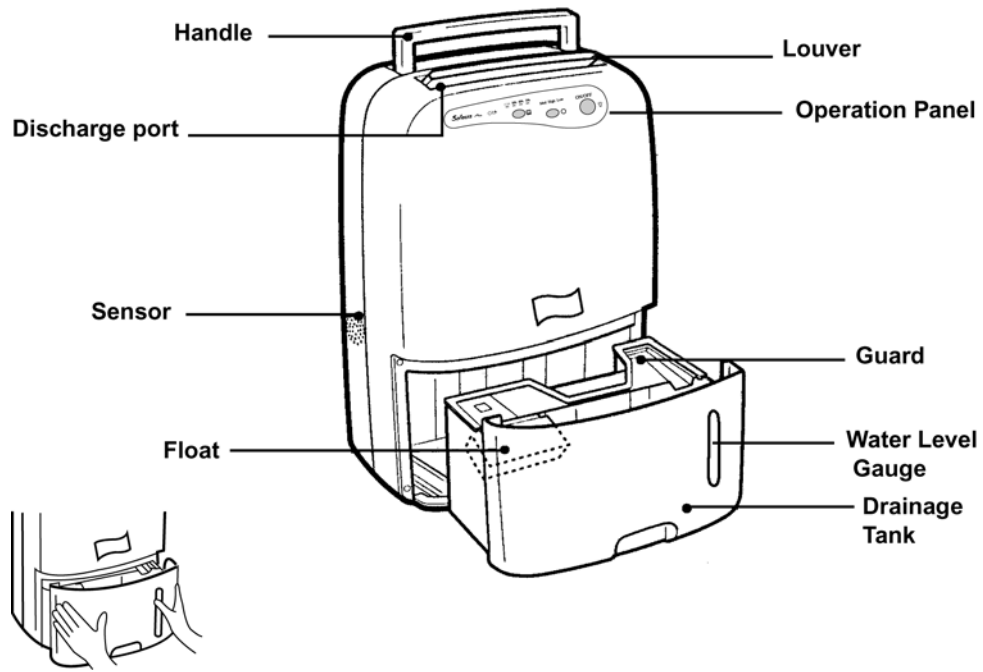
### SAFETY WARNINGS

**When using the unit, please observe the following safety precautions:**

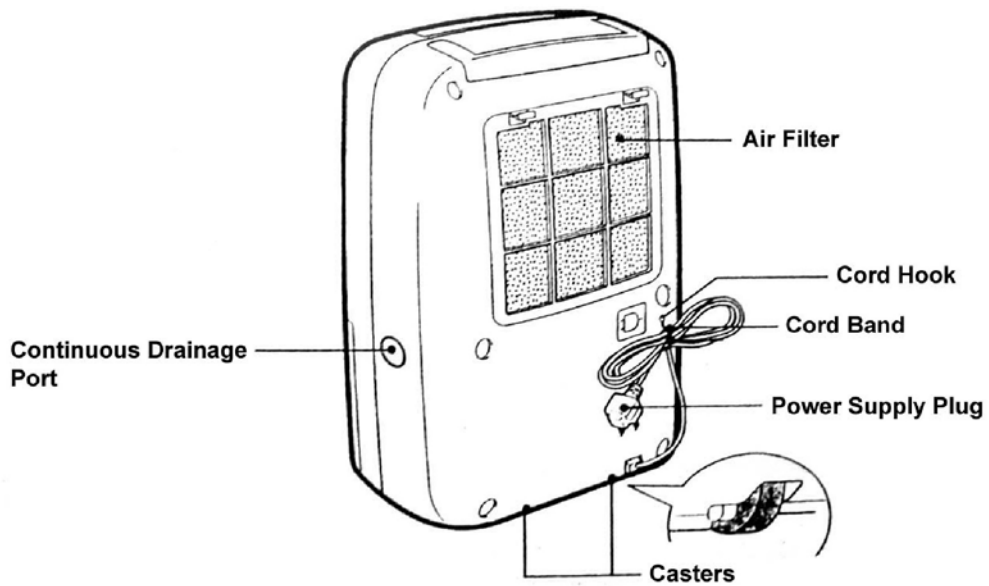
1. Unplug the power supply cord before cleaning or storage.
2. Do not submerge the unit in water or place the unit close to water.
3. Do not set the unit close to heat-generating devices or near flammable and dangerous materials.
4. Never put your fingers or objects into the intake or discharge ducts.
5. Do not sit or stand on the unit.
6. Discard water that has collected in the tank as required.
7. Do not operate the dehumidifier in a closed area such as inside a closet, as it may cause a fire.
8. Do not use the unit near edible items, objects of art, or scientific materials.
9. Install drain piping at a downhill grade to make sure that condensed water can be drained continuously.
10. If the power supply cord is damaged it must be replaced by the manufacture or a qualified service agent.

# PRODUCT DIAGRAM

## FRONT

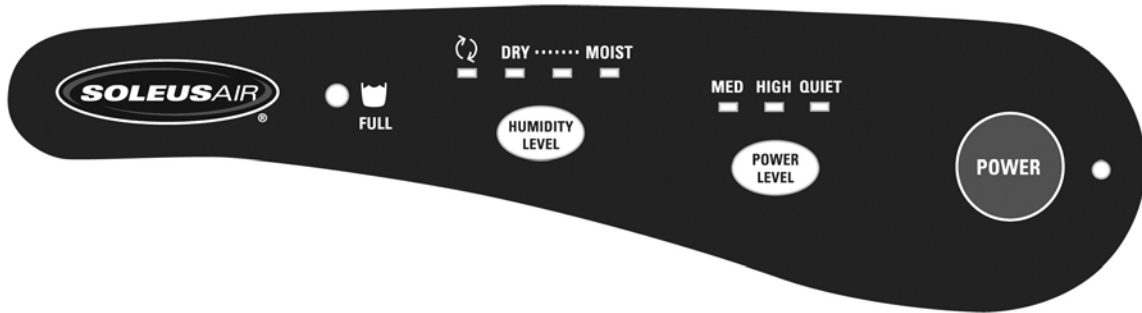


## REAR



# OPERATING INSTRUCTIONS

## Control Panel



## Indicator Lights

- **Power Indicator Light**  
The power indicator light will turn on when the unit is plugged in, regardless of whether the unit is operating or not.
- **Tank Full Indicator Light**  
The tank full indicator light will turn on when the drainage tank is full or positioned incorrectly. If light is on, empty the water out of the drainage tank and make sure the tank is positioned properly.
- **MED HIGH QUIET Power Level Indicator Lights**  
When each light is respectively lighted it indicates that the power level is Medium, High, or Quiet.
- **DRY ..... MOIST Humidity Level Indicator Lights**  
When each lamp is respectively lighted, it indicates that the current setting for room humidity is 50%, 60%, or 70%. When the room humidity reaches the set level, the compressor will shut off.
- ⌚ **Continuous Dehumidification Indicator Light**  
When this light is on, it indicates that the operation is in continuous mode. The unit will continue dehumidifying, no matter what the room humidity is.

## Button Functions

- **POWER Power Button**  
Press the button once to start operation, press it again to stop operation.
- **POWER LEVEL Power Level Button**  
Each time the button is pressed, the power level changes in the order of: Med, High or Quiet.
- **HUMIDITY LEVEL Humidity Level Button**  
Press to set the desired humidity level in the room, which can be set in the order of: 50%, 60%, 70%, and continuous. When the relative humidity of the room is lower than the selected humidity, operation will stop automatically.  
When the unit is turned on, the default operation mode is the continuous mode. In this mode, operation will continue until the unit is turned off or will stop automatically when the drainage tank is full.

## OPERATION

### 1. Plug the power cord into a grounded outlet

- After the power cord is plugged into an outlet, the power light will turn on.
- The fan will continuously run, even if the compressor shuts off.

### 2. Open the louver manually

- Before operation starts, please check and make sure the louver has been opened. If the louver is closed, the unit may overheat.
- Set the louver to the preferred angle from the 6 options. (When the indoor temperature is above 91°F, set the louver to the maximum opening).

### 3. Button operation modes

- Press the POWER button once. The unit will operate in continuous mode automatically. Press the HUMIDITY LEVEL button to select a room humidity level of 50%, 60%, or 70%.
- Power Level: Press POWER LEVEL button to choose the desired power level.
- When the indoor temperature is below 59°F or above 95°F, the protection device is activated. The unit can only operate in HIGH power and the POWER LEVEL button is ineffective.

### 4. Stop operation

- Press the POWER button to stop dehumidification.
  - Never stop the unit by unplugging the power cord.

## DRAINING THE COLLECTED WATER

When the drainage tank is full, the tank full indicator light will turn on to alert the user and operation will stop automatically. The water then needs to be emptied from the drainage tank.

### Emptying the Drainage Tank



1. Lightly press on the sides of the tank with both hands and pull out gently.



2. Grasp the handle and pull out the tank completely out.



3. Discard the collected water.



## NOTE:

1. Do not remove the styrofoam packing from the float on the unit. The float on the unit will no longer be able to detect the water level correctly without the styrofoam packing, and water may leak from the water tank. This can cause electrical shock and/or short circuits. (see Fig. 1)
2. If the drainage tank is dirty, wash it with cold or lukewarm water. Do not use detergent, scouring pads, chemically treated dust cloths, gasoline, benzene, thinner, or other solvents, as these can scratch and damage the tank and cause water leakage.
3. When replacing the drainage tank, press the tank firmly into place with both hands. (see Fig. 2) If the tank is not positioned properly, the "TANK FULL" sensor will be activated, and the dehumidifier will not operate. Check to make sure the guards are firmly attached to the tank. If they are not, the drainage tank will be more difficult to remove. (see Fig. 3)
4. If the drainage tank is removed while the unit is in operation, or immediately after operation has stopped, water that is still in the cooling unit may drip out on the base plate. Wait at least 30 minutes before removing the drainage tank. (If water has dripped, wipe it up.)



Fig. 1



Fig.2

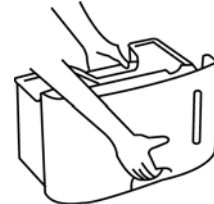


Fig.3

## Continuous Water Drainage

The unit features a continuous drainage port. Using a commercial hose (with an inner diameter of 15 mm), the water in the drainage tank can be continuously drained out of the continuous port on the unit.

**NOTE:** When setting up the equipment for continuous drainage, always stop operation first and unplug the power supply plug.

1. Remove the drainage tank and open the continuous drainage port. Use snipers or a similar tool to cut away the continuous drainage cap in the side of the main unit. (see Fig. 4)
2. Push the hose into the continuous drainage port. Pass the hose through the continuous drainage port, and press it firmly onto the drainage port in the main unit. The average height of drain hose should always be lower than the drainage port. Drain piping should always be kept clean and clear of blockage so the condensed water can be drained out successfully. (see Fig. 5)
3. Replace the drainage tank to its original position. Check the hose periodically to make sure it is still connected and has not been obstructed. (see Fig. 6)
4. The drain hose must always maintain a downhill grade to make sure that collected water can be drained out with the force of gravity.

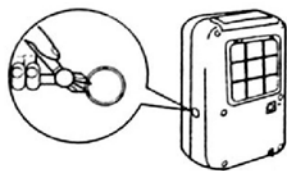


Fig. 4

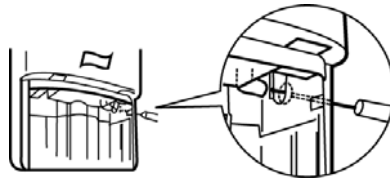


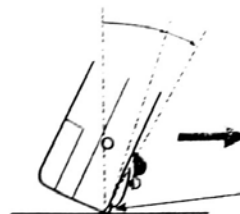
Fig. 5



Fig. 6

## Moving the Dehumidifier

1. Drain the water.
2. Lift up the handle and tilt the unit back.
3. Move the unit by rolling on the back casters.

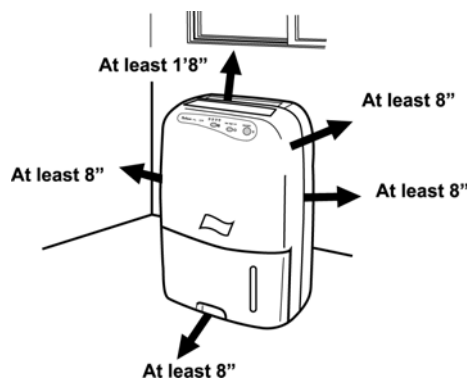


### NOTE:

1. If the floor is made of a material that scratches easily, or if the floor is uneven, lift the unit off the floor and move it. Avoid rolling the unit if the floor has shag carpeting. This can damage the surface of the carpet.
2. Tilt it within range of 20 to 30 degrees. (If you tilt the unit too far, you may scratch the floor or water may leak.)
3. Be careful that the power supply cord does not get pinched under the unit.

## Clearance

Maintain the minimum clearance around the dehumidifier when the unit is operating as shown in the figure at right.



# MAINTENANCE

## Cleaning the Dehumidifier

- **To Clean the Body**

### Wipe it with a soft damp cloth

Gasoline benzene, thinners, scouring powder, chemically treated dust cloths, and detergents may damage the main unit and should not be used.

- **To Clean the Air Filter**

**NOTE:** The air filter should be cleaned approximately once every two weeks.

### 1. Remove the air filter

Press downward on the tabs on the air filter to remove it. (see Fig. 7)

### 2. Clean the air filter

Run a vacuum cleaner lightly over the surface of the air filter to remove dirt. If the air filter is exceptionally dirty, wash it with warm water and a mild cleanser and dry thoroughly. (see Fig. 8)

### 3. Attach the air filter

Insert the lower tabs of the air filter into the main unit and press the air filter in place until you hear the tabs click into place. (see Fig. 9)



Fig. 7



Fig. 8

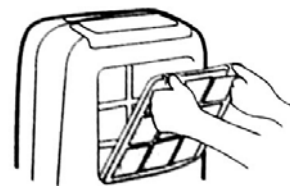


Fig. 9

## Storing the Dehumidifier

### Properly store the unit when it is not being used for an extended period of time

1. Fold up the power supply cord and secure it to the holder.
2. Discard any water left in the drainage tank and wipe away any remaining water with a cloth.
3. Clean the air filter.
4. Store the unit upright in its original packaging to keep it free of dust. Store in a cool and dry place.

## TROUBLESHOOTING

If a condition listed below occurs, please check the following items before calling customer service.

Problem	Possible Cause	Solution
The unit does not operate.	Has the power cord been disconnected?	Plug the power cord into the outlet.
	Is the tank full indicator lamp blinking? (The tank is full or in a wrong position.)	Discard the water in the drainage tank and then reposition the tank.
	Is the temperature of the room above 95°F or below 36°F?	The protection device is activated and the unit cannot be started.
The dehumidifying function does not work.	Is the air filter clogged?	Clean the air filter as instructed under "Cleaning the Dehumidifier."
	Is the intake duct or discharge duct obstructed?	Remove the obstruction from the discharge duct or intake duct.
No air is discharged.	Is the air filter clogged?	Clean the air filter as instructed under "Cleaning the Dehumidifier."
Operation is noisy.	Is the unit tilted or unsteady?	Move the unit to a stable, sturdy location.
	Is the air filter clogged?	Clean the air filter as instructed under "Cleaning the Dehumidifier."

# WARRANTY

## One Year Limited Warranty

**Soleus International Inc.** warrants the accompanying **Soleus Air CFM-25E/ CFM-40E Dehumidifier** to be free of defects in material and workmanship for the applications specified in its operation instruction for a period of ONE (1) year from the date of original retail purchase in the United States or Canada.

If the humidifier exhibits a defect in normal use, **Soleus International Inc.** will, at its option, either repair or replace it, free of charge within a reasonable time after the dehumidifier is returned during the warranty period.

As a condition to any warranty service obligation, the consumer must present this Warranty Certificate along with a copy of the original purchase invoice.

### **THIS WARRANTY DOES NOT COVER:**

- 1) Damage, accidental or otherwise, to the air conditioner while in the possession of a consumer not caused by a defect in material or workmanship.
- 2) Damage caused by consumer misuse, tampering, or failure to follow the care and special handling provisions in the instructions.
- 3) Damage to the finish of the case, or other appearance parts caused by wear.
- 4) Filter.
- 5) Damage caused by repairs or alterations of the dehumidifier by anyone other than authorized by **Soleus International Inc.**
- 6) Freight and Insurance cost for the warranty service.

ALL IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANT ABILITY ARE LIMITED TO ONE-YEAR DURATION OF THIS EXPRESS LIMITED WARRANTY. **SOLEUS INTERNATIONAL INC.** DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES AND IN NO EVENT SHALL SOLEUS INTERNATIONAL INC'S LIABILITY EXCEED THE RETAIL VALUE OF THE DEHUMIDIFIER FOR BREACH OF ANY WRITTEN OR IMPLIED WARRANTY WITH RESPECT TO THIS DEHUMIDIFIER.

### **DISCLAIMER**

All information and the technical specifications presented in this user's manual are the presentation of the manufacturer.

**Soleus International** has not conducted independent tests for the information and the specifications presented here within.

### **For Warranty, Technical Support and Customer Service**

Please Call (888) 876-5387

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