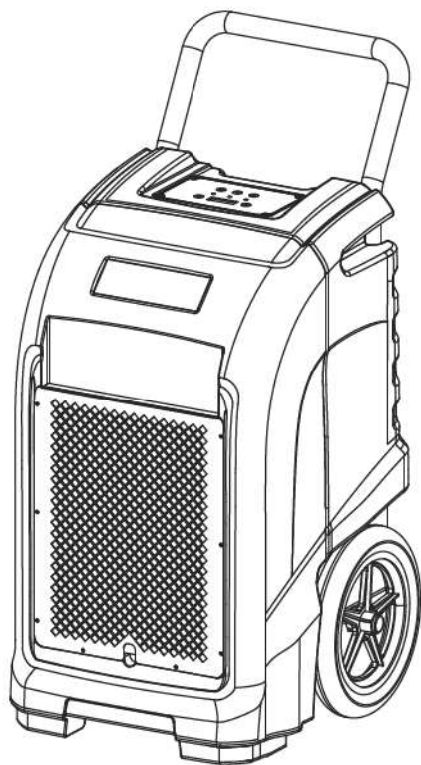




## **INDUSTRIAL DEHUMIDIFIER**

**MODEL: BD-76P**



## **INSTRUCTION MANUAL**

**SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE**

# GENERAL INFORMATION

## Packaging

Please **DO NOT** dispose of any packaging until you have checked the appliance is operational.

After removing the packaging ensure the contents are intact and complete. In the unlikely event of missing parts; contact your retailer.

**DO NOT** leave children unattended with any of the packaging since it is a potential source of danger. Disposal of all packaging must be carried out responsibly & safely and in accordance with your local authority regulations.

ALWAYS recycle the packaging material where possible.

**When using any electrically powered product, basic safety precautions should always be followed.**

**PLEASE READ THE INSTRUCTIONS CAREFULLY AND IN FULL BEFORE USING THE PRODUCT.**

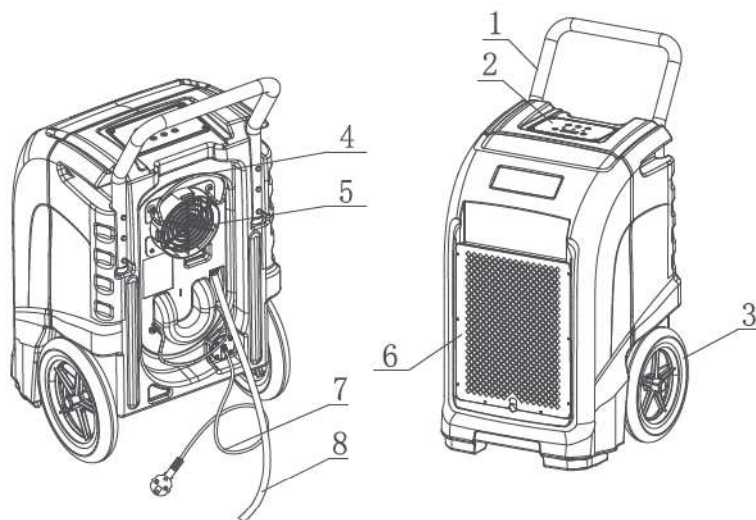
# IMPORTANT INSTRUCTIONS

**WARNING - to reduce the risk of fire, electrical shock or injury to persons or property:**

1. Always operate the product from a power source of the same voltage, frequency and rating as indicated on the product identification plate.
2. Close supervision is necessary when any product is used by or near children the elderly or the infirm. Do not allow children to use the appliance as a toy.
3. Do not operate this product with a damaged power cord plug. If the supply cord is damaged it must be replaced by qualified personnel or other similar qualified persons in order to avoid hazard.
4. To reduce the risk of electric shock, do not expose the unit or flexible cord to moisture of any kind.
5. Switch off and unplug from the power socket when not in use, before assembling or before cleaning.
6. Do not place objects on the product or allow objects to obstruct the inlet or outlet openings, or operate in close proximity to walls or curtains, etc.
7. The use of attachments or accessories not recommended or sold by the product distributor may cause injury to persons or damage to property.
8. This product is intended for normal light commercial use only.
9. Do not attempt to dismantle the appliance.
10. Do not operate the appliance on a metal surface.
11. Do not use the appliance in artificially hot or humid conditions or allow to be used in a hazardous environment.
12. Do not clean the appliance with organic solvent.
13. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
14. Children should not be left unsupervised with the appliance .
15. This instruction manual is an integral part of the appliance and should be stored for safe keeping and must always accompany the appliance in the event of ownership transfer or for reference to by a service engineer.

**READ AND SAVE THESE INSTRUCTIONS**

## PRODUCT IDENTIFICATION



- 1 Metal Handle
- 2 Control Panel
- 3 Wheels
- 4 Water pipe bracket

- 5 Air Outlet Grille
- 6 Air Inlet Grille
- 7 Power Cord
- 8 Water Pipe

## **WARNING**

**DO NOT OBSTRUCT THE AIR INLET OR OUTLET.**

## SETTING UP INSTRUCTIONS



### IMPORTANT

Place dehumidifier in the upright position. When transporting a dehumidifier to site, allow the dehumidifier to stand for 30 minutes before switching ON. This is necessary to allow the refrigerant system to stabilise and avoid system damage .

**SETTING UP THE DEHUMIDIFIER:** Operate the dehumidifier in an enclosed area, as this creates a drying chamber. Close all doors, windows or areas that open to external areas, to maximize the dehumidifier's water removal efficiency. Keep traffic through the drying chamber to a minimum. Place the dehumidifier in the centre of the room away from walls and furnishings. **DO NOT** allow the airflows to be obstructed.

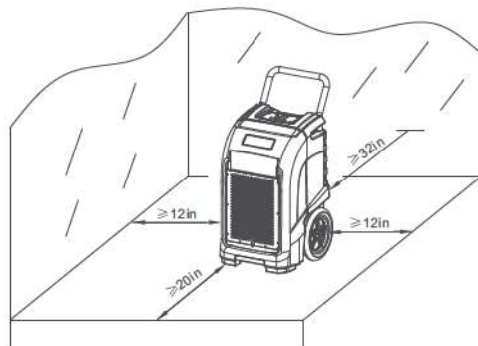


Illustration of correct positioning for best performance

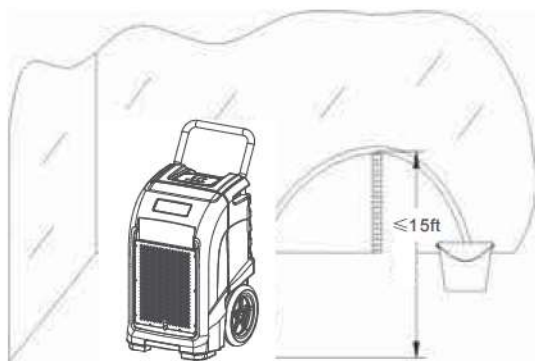
**DRAINAGE:** The dehumidifier pump connects to a plastic drainage hose. The hose is stored on the back of the appliance. Uncoil the entire hose ensuring there are no kinks or restrictions and place the unattached end into a water vessel or run to outdoors.

Ensure that water which runs to outdoors does NOT create a slip hazard.

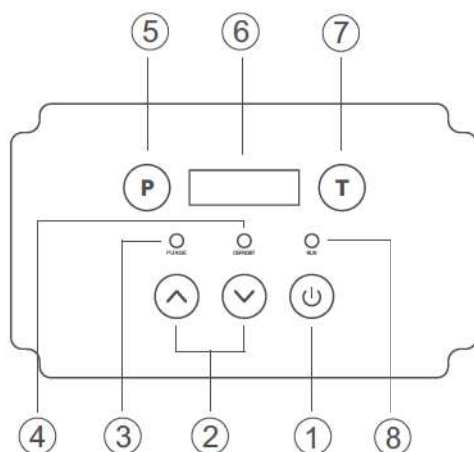
Water vessels MUST be checked regularly where used.

## SETTING UP INSTRUCTIONS

\* The position of drain water pipe would not be too high ( $\leq 15\text{ft}$ ). Failure to do so may cause a water backup in the pump resulting in leakage.










## CONTROL PANEL



1. ON/OFF Key
2. UP AND DOWN Key
3. Purging Indicator
4. Defrosting Indicator
5. PURGE Key
6. HUMIDITY AND TIME Display
7. TIME Key
8. Operating Indicator

## CONTROL PANEL

- A.  **ON/OFF:** Press the ON/OFF key to turn the unit ON or OFF.
- B.  **PURGE:** Press the PURGE key to empty water from the pump reservoir. During normal operation the pump purges automatically when the reservoir is full. Use 'PURGE' before moving the machine to avoid water spillage. The pump will close automatically after forty seconds continuous operation.
- C.  and  :  
Press  and  key to set or adjust humidity in the range between 26% and 90%. When the environmental humidity is below 26% "CO" will be displayed.
- D.  **TIME:** Display working hours and totally working time After turning on operation, it can display setting humidity(left) and current humidity(right), and humidity could be changed by pressing "Up and Down". for the current time, and the time unit is based on minutes, for example, if it displays "0000:50", it means that it has worked for 50 minutes this time. If you want to view the totally working time, please press "T" once more, and it will shows for 10s and returns automatically to the original working hours. If you press "T" before it has lasted for 10s, it also can turn to the original working hours.  
If the unit is in power but not in operation, LED will displays nothing, and in this condition, the working hours at the last time will be showed for 10s if "T" is pressed one time. But within 10s, if "T" is pressed again, the totally working time will be showed for also 10s, and within 10s, if there is no action, LED will automatically turn down. In addition, if "T" is pressed again when LED displays the totally working time, LED will turn down immediately. What's more, the current working time will be deleted by pressing "T" for 5s continuously, and the time will be recounted, but the deleted time will be added into the totally working time.
- E. Defrost Indicator  
The unit begins to defrost when the defrost indicator lights; the unit stops defrosting when the defrost indicator is off. When defrosting finishes, the unit begins to dehumidify automatically again.  
**Note:** The totally working time can not be deleted, if the time is beyond the range of LED showing time, it will be deleted and recount from the start.

# OPERATING INSTRUCTIONS

A、Operation for general use:

I、 Press the ON/OFF key to turn the unit on ,it will get into working mode automatically.

II、 After using, press ON/OFF key to turn the unit off, while water pump will turn on automatically for 40 seconds to drain the rest water ,and turn off automatically.

Note:

## Attention:

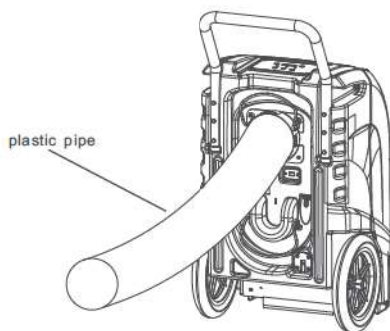
**DO NOT** switch the power **OFF** by disconnecting at the mains socket outlet.  
To avoid water spillage; **DO NOT** move the dehumidifier for at least three minutes after turning the power **OFF**.

B、 key lock function

If the keys of "T" and "purge" are pressed for 2s at the same time, the defrost light will keep shining, and all the keys on the control panel will be in lock, but it can be unlock by the same action again.

C. Pipe function

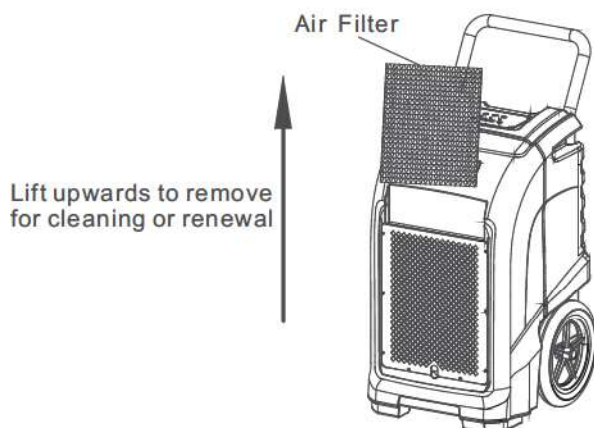
As to a much wetter space, use a plastic pipe with diameter larger than 6.7in, and tie the pipe to hood, it will be much faster and more effective to make it dry.



## Maintenance CLEANING THE AIR FILTER

Ensure the dehumidifier is turned OFF and the plug is removed from the power socket before maintenance is carried out.

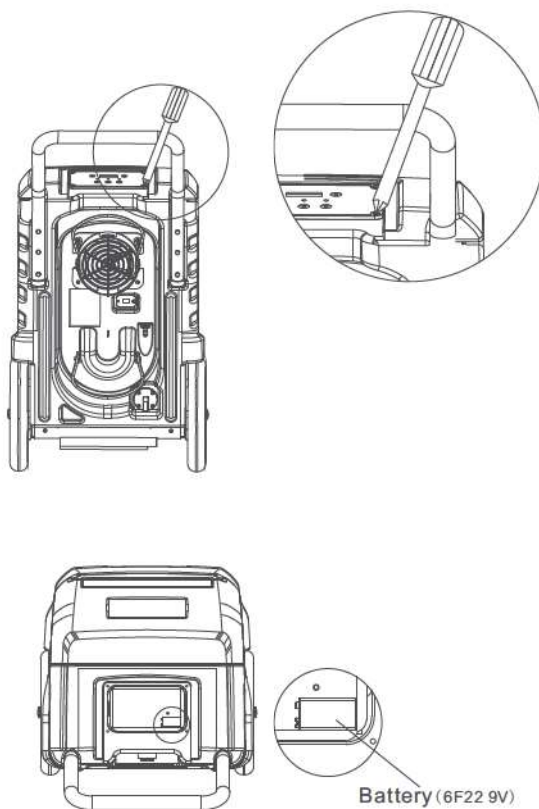
The working performance of the dehumidifier will be greatly reduced if the filters become blocked.



- I. Remove the filter as shown in the diagram above.
- II. Vacuum any debris from the filter using the vacuum hose and nozzle attachment.
- III. Using luke-warm water and a mild detergent wash the filter and allow to dry.
- IV. Once dry, re-install the filter into the dehumidifier.

## Maintenance REPLACING THE BATTERY

- I. Remove the screws in the four corners of the control panel.
- II. Once the screws are removed, carefully lift the control panel to access the PCB.
- III. On the PCB is a 6F22 9V battery. Remove the battery and replace with new.
- IV. Refit the control panel onto the PCB.
- V. Refit the four screws.



# TROUBLE SHOOTING

PROBLEM	CAUSE	SOLUTION
Dehumidifier does not operate	No Power to appliance	Connect plug to power socket
	Switch not turned on	Switch on
	E4 error is displayed	Check drainage flow
Dehumidifier collects little water	Insufficient working time	Allow more working time
	Filter is blocked	Clean filter
	Low ambient temperature	Increase ambient temperature
	Condensate hose is blocked	Check hose for restrictions
Dehumidifier is operating but room is not drying	Doors and windows are open	Seal room from external areas

## WARNING:

DO NOT attempt to rectify faults using unqualified personnel.

## TROUBLE SHOOTING FAULT CODES

### WARNING:

In the event of a fault code, contact your service agent.

CODE	E1	E2	E3	E4
<b>Error Message</b>	Coil sensor error	Humidity sensor error	Low or no refrigerant	Water pump fault or blockage
<b>Display Reading</b>	Flashes every 30 sec's	Flashes every 30 sec's	Flashes continually	Flashes continually
<b>Reason</b>	Timed defrost mode. The dehumidifier is working correctly.	50% R.H displayed Continuous mode in operation	Turn power OFF. Then turn ON again.	Dehumidifier will turn OFF automatically. The fault must be rectified before operation can commence.

# SPECIFICATION

Model	BD-65L
Water Removal Capacity	150pints/day(90°F 90%RH)
	76pints/day(80°F 60%RH)
Power	7.3 amps, 115 volts
Refrigerant	R410a
Operating Range	33°–100°F
Max Process Air	235CFM
Power Cord	10 ft.
Net Weight	81 lbs
Dimensions (W×D×H)	20 × 19 × 32 in.
Body Construction	Roto-molded Polyethylene

## BLUEDRI' S WARRANTY POLICY

### **1-Year Coverage**

Subject to the conditions stated below, BLUEDRI offers a limited warranty on parts and labor on the following equipment, parts and accessories to be free from defects in material and workmanship for a period of one year to the original purchaser.

### **10-Year Coverage**

Subject to the conditions stated below, BLUEDRI warrants parts and labor on rotationally molded polyethylene tanks/housings and injection molded vacuum head assemblies to be free from defects in materials and workmanship for a period of ten years to the original purchaser.

Wear items exempt from warranty consideration include but may not be limited to: power cords, transport wheels, castors, handle grips, filters, screens, brushes and carbon brushes. Subject to the conditions and exceptions stated in this warranty, BLUEDRI warrants the BLUEDRI products to be free from defects in material and workmanship, under normal use and service, for the periods listed under the warranty policy to the original purchaser. At any time during the warranty period, BLUEDRI will furnish replacement parts for the BLUEDRI products to the original purchaser. Such parts will be furnished and charged including transportation costs, to the original owner. If the original part is returned within the warranty policy period from date of delivery for inspection by BLUEDRI and is found to be defective, the owner will be credited for the cost of replacement parts plus shipping and handling. Replacement parts that have become defective through wear or abuse are not included in this warranty. This warranty does not apply to damage or defect caused by accident, misuse, negligence, fire or to any BLUEDRI product which has been serviced or repaired by other than an authorized BLUEDRI Service Distributor or BLUEDRI factory personnel. This warranty is void if products are used for any purpose other than that which was intended. There are no other warranties expressed or implied. In no event shall BLUEDRI be liable for incidental or consequential damages or any damage to person or property. (Please note some states do not allow the exclusion or limitations for incidental and consequential damages.)