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Blauwhal PD14BS-B

Blauwhal 31-Pint Dehumidifier (Model PD14BS-B)

User Instruction Manual

1. Product Overview

The Blauwhal 31-Pint Dehumidifier (Model PD14BS-B) is designed to efficiently remove excess moisture from your indoor environment, improving air quality and comfort. This unit is suitable for various spaces including basements, offices, living rooms, bedrooms, garages, laundry rooms, closets, and RVs.

It can remove up to 30 pints of moisture daily and allows for humidity adjustment from 30% to 80%, with an ideal range of 45%-55% for optimal comfort. The dehumidifier features a compact and modern design, making it easy to integrate into any room.



Image 1.1: Blauwhal 31-Pint Dehumidifier in a living room setting, illustrating its efficiency in reducing humidity.

2. Setup and Placement

2.1 Unboxing and Initial Inspection

Carefully remove the dehumidifier from its packaging. Inspect the unit for any signs of damage during transit. Ensure all accessories, including the drain hose and instruction manual, are present.

2.2 Optimal Placement

Place the dehumidifier on a level surface in the area where humidity control is desired. For optimal performance, ensure there is at least 1.5 feet (45 cm) of space around the unit to allow for proper airflow. Avoid placing it against walls or furniture that could obstruct air intake or exhaust.



Image 2.1: The dehumidifier features 360-degree rotatable wheels and integrated handles for easy movement between rooms.

2.3 Drainage Options

The unit offers two drainage methods:

- **Manual Drainage:** Water collects in the included 2-liter water tank. The dehumidifier will automatically shut off when the tank is full and resume operation once emptied.
- **Continuous Drainage:** For extended operation without manual emptying, connect the provided 6.56 ft (2m) drainage hose to the drain outlet on the back of the unit. Ensure the hose is sloped downwards to allow gravity to drain water into a suitable floor drain or sink.



Image 2.2: Illustration of the two drainage options: the removable 2-liter water tank for manual emptying and the continuous drain hose connection.

Video 2.1: A short video demonstrating the dehumidifier's features, including the drainage options and control panel.

3. Operating Instructions

3.1 Control Panel Overview

The dehumidifier features an intelligent touch control panel with an LED display. The display shows the current humidity level and changes color to indicate humidity status: Orange (<50%), Green (50%-70%), Red (>70%).

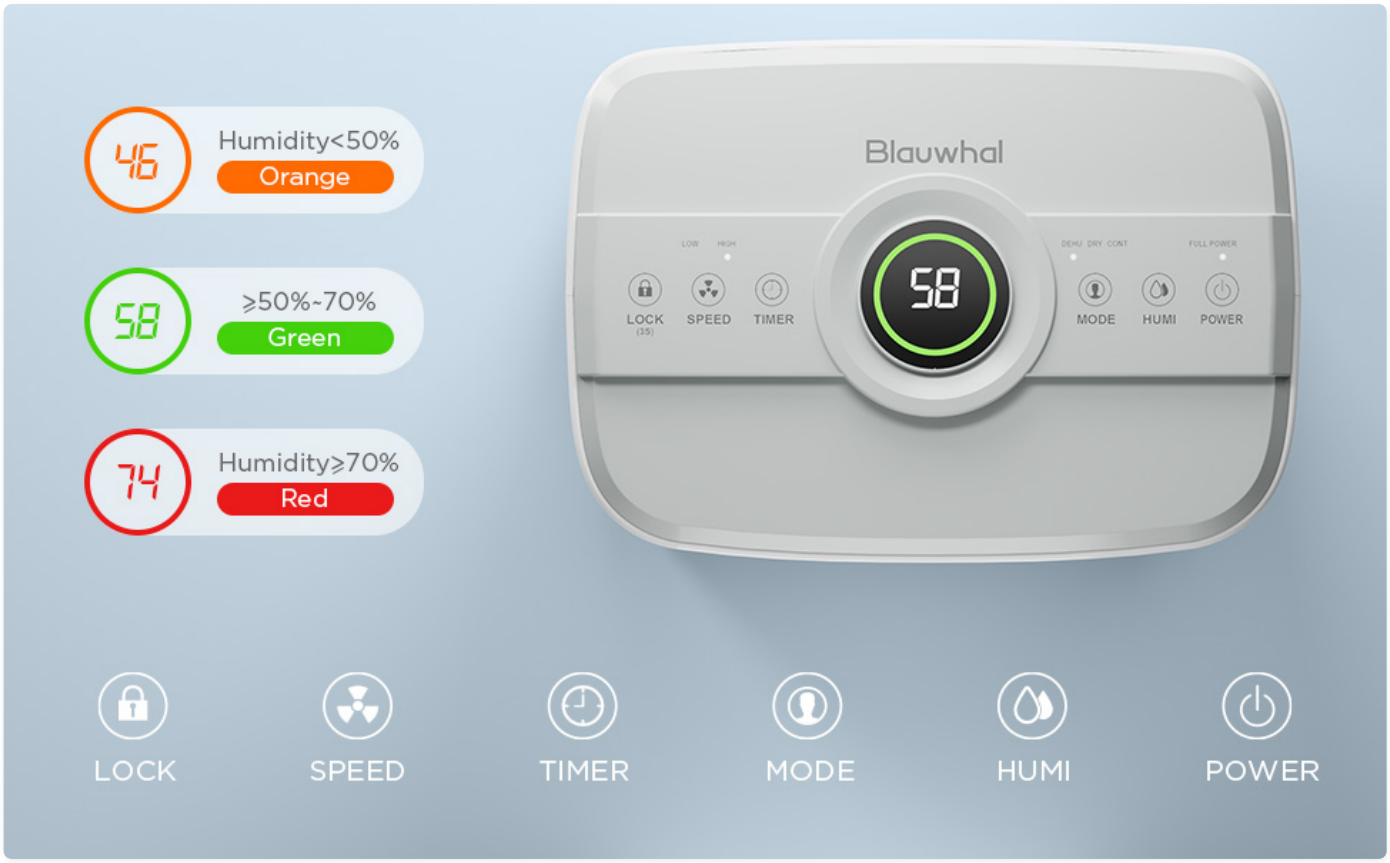


Image 3.1: Close-up of the digital control panel, showing buttons for Lock, Speed, Timer, Mode, Humidity, and Power, along with the central LED display.

3.2 Power On/Off

Press the **Power** button to turn the unit on or off.

3.3 Setting Humidity Level

Press the **Humi** button to adjust the desired humidity level between 30% and 80%. The unit will operate until the set humidity is reached, then pause, and restart if humidity rises.

3.4 Dehumidification Modes

Press the **Mode** button to cycle through three operating modes:

- **DEHU (Dehumidify):** Standard operation to reach the set humidity level.
- **DRY:** Designed for quick drying of clothes, providing continuous dehumidification.
- **CONT (Continuous):** Runs continuously regardless of the ambient humidity level, ideal for consistently damp spaces.



Image 3.2: Visual representation of the three dehumidification modes and their recommended applications.

3.5 Fan Speed

Press the **Speed** button to select between Low and High fan speeds. Low speed offers quieter operation, while High speed provides faster dehumidification.

3.6 Timer Function

Press the **Timer** button to set an auto-on or auto-off timer for up to 24 hours. This allows for energy-saving and convenient operation.

3.7 Child Lock

Press and hold the **Lock (3S)** button for 3 seconds to activate or deactivate the child lock. This prevents accidental changes to settings.

4. Maintenance

4.1 Cleaning the Air Filter

The built-in filter is washable and reusable. Regularly clean the filter to maintain optimal performance and air quality. To clean, remove the filter from the back of the unit, rinse it under running water, and allow it to air dry completely before reinserting.



Image 4.1: The washable air filter can be easily removed and cleaned to ensure efficient operation.

4.2 Emptying the Water Tank

When using manual drainage, the unit will stop operating and indicate a full tank. Carefully pull out the water tank from the front of the unit, empty the collected water, and slide the tank back into place. Ensure it is securely seated for the unit to resume operation.

4.3 Auto Defrost Function

The dehumidifier is equipped with an automatic defrost function. If frost builds up on the evaporator coils, the unit will automatically enter defrost mode to melt the frost, ensuring continuous efficient operation.



Image 4.2: The auto defrost feature prevents ice buildup on the coils, maintaining efficiency.

5. Troubleshooting

- **Unit does not turn on:** Check if the power cord is securely plugged into a working outlet. Ensure the water tank is not full and is correctly inserted.
- **Dehumidifier is not collecting water:** Verify that the desired humidity level is set lower than the current room

humidity. Check if the air filter is clean and not blocked. Ensure the continuous drain hose (if used) is not clogged or kinked.

- **Unit is noisy:** Ensure the unit is placed on a flat, stable surface. Check for any obstructions in the air intake or exhaust vents.
- **Error codes on display:** Refer to the detailed instruction manual for specific error code meanings and troubleshooting steps.

6. Specifications

Feature	Specification
Brand	Blauwhal
Model Name	PD14BS-B
Dehumidification Capacity	31 Pints per Day
Floor Area Coverage	Up to 2500 Square Feet
Water Tank Capacity	2 Liters
Product Dimensions	9.37"D x 10.8"W x 17.7"H
Item Weight	24.3 pounds
Wattage	230 watts
Special Features	Adjustable Humidity Control, Automatic Defrost, Child Lock, Continuous Draining, Quiet Operation

7. Warranty & Support

Blauwhal offers a 1-Year Full Coverage warranty and a 5-Year Limited Coverage. For any product inquiries, technical support, or warranty claims, please refer to the contact information provided in your product's original packaging or visit the official Blauwhal website. A 30-day money-back guarantee is also provided.

Video 7.1: An overview of the Blauwhal Dehumidifier highlighting its quiet, efficient, and auto shut-off features.

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