

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [Moiswell](#) /

› [Moiswell VP170 Commercial Dehumidifier User Manual](#)

Moiswell VP170

Moiswell VP170 Commercial Dehumidifier User Manual

Model: VP170

INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your Moiswell VP170 Commercial Dehumidifier. The VP170 is designed for effective humidity control in large spaces up to 7,500 sq ft, capable of removing up to 170 pints of water per day (84 pints per day at AHAM standard). It is an ideal solution for basements, warehouses, gyms, indoor pools, spa areas, grow rooms, factories, and other commercial or residential environments requiring significant moisture removal.

Please read this manual thoroughly before initial use and retain it for future reference.

PRODUCT FEATURES

- **High Capacity Moisture Removal:** Removes up to 170 pints of water per day, suitable for areas up to 7,500 sq ft.
- **Powerful Airflow:** Features 265 CFM airflow for rapid drying and efficient moisture extraction from various surfaces.
- **Integrated Drain Pump:** Automatically drains collected condensation, eliminating the need for manual emptying. The pump can lift water up to 16 feet vertically or horizontally, offering flexible placement options.
- **Automated Operation:** Includes a 24-hour auto ON/OFF timer, automatic defrost function, and a programmable humidistat for precise humidity control within $\pm 3\%$ accuracy.
- **Enhanced Portability:** Equipped with two large wheels, two swivel casters, and a push-and-pull handle for easy movement between locations.
- **Durable Construction:** Built with a metal casing for commercial-grade durability.

SETUP

1. Unpacking and Initial Placement

Carefully remove the dehumidifier from its packaging. It is recommended to allow the unit to stand upright for at least 24 hours after delivery before operation, especially if it was laid on its side during transit, to allow the refrigerant to settle. Place the dehumidifier on a stable, level surface. Ensure there is adequate space around the unit for proper airflow (at least 12 inches from walls or other obstructions).



Figure 1: Moiswell VP170 Commercial Dehumidifier. The unit is designed for robust performance in various environments.

2. Attaching the Handle and Wheels

The Moiswell VP170 comes with a detachable handle and large wheels for enhanced portability. Attach the handle to the top of the unit using the provided screws and knobs. The large wheels and swivel casters are pre-installed for immediate use.

Ready to Move



2 x Cord Hooks



2 x 6-inch Wheels



2 x Swivel Casters

Figure 2: Rear view of the Moiswell VP170, highlighting the large wheels, swivel casters, and cord hooks for easy transport and storage. Dimensions are 15.7"D x 15.7"W x 29.5"H.

3. Connecting the Drain Hose

The dehumidifier features a built-in pump for continuous drainage. Connect the provided drain hose to the drainage outlet on the unit. Route the hose to a suitable drain point, such as a floor drain, sink, or utility tub. The pump can push water up to 16 feet vertically or horizontally, allowing for flexible placement without relying on gravity.

Auto Drain by Internal Pump

Easily drain the condensation however you wish



Figure 3: Illustration of the auto-drain feature with the internal pump, showing the capability to drain water up to 16 feet vertically or horizontally.

Video 1: Official product video demonstrating the Moiswell 170 Pints Commercial Dehumidifier with Pump, including its features and operation.

OPERATING INSTRUCTIONS

1. Control Panel Overview

The Moiswell VP170 features an intuitive control panel for easy operation. The digital display shows current humidity and temperature, while buttons allow for power, settings adjustment, timer functions, and manual pump purge.

Easy to Operate



Figure 4: Close-up of the easy-to-operate control panel, showing the digital display for humidity and temperature, along with various function buttons.

Video 2: A brief demonstration of the Moiswell VP170 Commercial Dehumidifier's performance and control panel in operation.

2. Powering On/Off

Press the **Power** button on the control panel to turn the dehumidifier on or off.

3. Setting Desired Humidity Level

Use the **Up** and **Down** arrow buttons to adjust the desired humidity level. The unit will automatically operate to maintain the set humidity within $\pm 3\%$ accuracy.

4. Timer Function

Press the **Timer** button to set an auto ON or auto OFF time, allowing for scheduled operation up to 24 hours.

5. Auto Defrost

The dehumidifier is equipped with an automatic defrost function. If frost builds up on the evaporator coils, the unit will temporarily stop dehumidifying and enter defrost mode until the frost is melted. This ensures efficient operation in cooler environments.

6. Manual Purge

Press the **Purge** button to manually activate the internal pump and drain any collected water. This can be useful for ensuring the drainage system is clear or for emptying the unit before moving it.

MAINTENANCE

1. Cleaning the Air Filter

Regular cleaning of the air filter is crucial for maintaining the dehumidifier's efficiency and lifespan. The filter is washable and should be cleaned every few weeks, or more frequently depending on the operating environment.

1. Turn off and unplug the dehumidifier.
2. Locate the filter cover on the unit (usually on the side or back).
3. Remove the filter cover and carefully slide out the air filter.
4. Wash the filter with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinserting.
5. Replace the dry filter and secure the filter cover.



Video 3: Demonstration of how to access and clean the washable air filter of the dehumidifier.

2. Cleaning the Exterior

Wipe the exterior of the dehumidifier with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners, as these can damage the finish.

3. Long-Term Storage

If storing the unit for an extended period, ensure it is clean and completely dry. Drain any remaining water from the internal pump by performing a manual purge. Store the unit in an upright position in a dry, dust-free environment.

TROUBLESHOOTING

Before contacting customer support, please review the following common issues and solutions:

- **Dehumidifier Not Turning On:**

- Check if the power cord is securely plugged into a working electrical outlet.
- Ensure the power button has been pressed.
- Verify that the circuit breaker has not tripped.

- **No Water Collection / Low Dehumidification:**

- Check if the desired humidity level is set too high (above the current room humidity).
- Ensure the air filter is clean and not obstructed.
- Verify that the room temperature is within the operating range (typically above 41°F / 5°C).
- Check for any obstructions in the air inlet or outlet.

- **Unit is Leaking Water:**

- Ensure the drain hose is securely connected and not kinked or blocked.
- Verify that the drain hose is properly routed to a drain point and not elevated above the unit's pump capacity.

- **Unusual Noise:**

- Check if the unit is placed on a level surface.
- Ensure there are no loose parts or foreign objects inside the unit.

For further assistance, refer to the detailed troubleshooting section in the full user manual or contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	Moiswell
Model Name	VP170
Dehumidification Capacity	170 Pints/Day (84 Pints/Day AHAM)
Coverage Area	Up to 7,500 Square Feet
Air Flow Capacity	265 Cubic Feet Per Minute (CFM)
Product Dimensions	15.7"D x 15.7"W x 29.5"H
Item Weight	82 Pounds
Material	Metal
Color	Black & White
Wattage	1200 watts
Special Features	Adjustable Humidity Control, Automatic Defrost, Automatic Restart, Automatic Shutoff, Built-In Pump
Included Components	Drain Hose
Recommended Uses	Commercial, Residential
Upper Temperature Rating	95 Degrees Fahrenheit

WARRANTY INFORMATION

The Moiswell VP170 Commercial Dehumidifier comes with a **2-Year Full Warranty** and a **5-Year Limited Warranty**. For specific terms and conditions, or to extend your warranty, please contact Moiswell customer service.

Designed for Daily Use

2 Years Full
Warranty

5 Years Limited
Warranty

 **MOISWELL**
— VP170 —

*Contact Colzer customer service to extend warranty time.

Figure 5: Image highlighting the 2-Year Full Warranty and 5-Year Limited Warranty for the Moiswell VP170 dehumidifier.

SUPPORT

For any questions, technical support, or warranty claims, please contact Moiswell customer service:

- **Email:** service@moiswell.com
- **Website:** www.moiswell.com

Moiswell is dedicated to providing top performance, reliability, and user experience with its commercial dehumidifiers.

