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PureMate PM411

PureMate 12L/Day Dehumidifier PM411 User Manual

Model: PM411

1. INTRODUCTION

Thank you for choosing the PureMate 12L/Day Dehumidifier. This appliance is designed to effectively remove excess moisture from your indoor environment, helping to prevent dampness, condensation, mould, and musty odours. By maintaining optimal humidity levels, it contributes to a healthier and more comfortable living space. Please read this manual thoroughly before operating the dehumidifier to ensure safe and efficient use.

This dehumidifier features a 12-litre per day extraction capacity, an automatic humidity sensor, a digital display, a 24-hour timer, auto shut-off, and options for continuous drainage or manual tank emptying. It is also equipped with castor wheels and a carry handle for easy portability.

2. SAFETY INSTRUCTIONS

To reduce the risk of fire, electric shock, or injury, always observe the following basic safety precautions:

- Read all instructions carefully before using the appliance.
- Ensure the power supply matches the rating label on the dehumidifier.
- Do not operate the dehumidifier with a damaged cord or plug. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
- Always place the unit on a firm, level surface.
- Maintain at least 20 cm (8 inches) clearance around the unit for proper air circulation.
- Do not insert objects into the air inlet or outlet.
- Keep the appliance away from heat sources, direct sunlight, and flammable materials.
- Unplug the unit before cleaning, moving, or performing any maintenance.
- 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.
- Children should be supervised to ensure that they do not play with the appliance.

- Do not use the appliance in areas where water is likely to splash onto it.

3. PRODUCT OVERVIEW

The PureMate 12L/Day Dehumidifier is designed for efficient moisture removal and ease of use. Below are the key components and features.



Image 3.1: Front view of the PureMate 12L/Day Dehumidifier, showing its compact design and the '12L Per Day' capacity label.



Image 3.2: Illustration of the dehumidifier's smart features and control panel. It highlights Comfort Mode, Continuous/Laundry Drying Mode, 2 Fan Speeds, 3 Dehumidifying Modes, Relative Humidity Mode, and the digital display with buttons for Humidity Setting, Timer, Speed, and Power.

Key Features:

- Powerful Moisture Removal:** Extracts up to 12 litres of moisture per day.
- Customisable Humidity Control:** Offers Continuous Mode, Comfort Mode, and adjustable Relative Humidity (30-90% RH).
- Digital Display & Controls:** Intuitive LED display and touch panel for easy operation.
- 24-Hour Timer:** Allows scheduled operation.
- Auto Shut-Off:** Activates when the 2-litre water tank is full.
- Dual Drainage Options:** Manual tank emptying or continuous drainage via a hose.
- Washable Air Filter:** Improves air quality by capturing dust.
- Portable Design:** Equipped with castor wheels and an integrated handle for easy movement.
- Low Noise Operation:** Operates quietly at 33-37 dB.

4. SETUP

4.1 Unpacking

1. Carefully remove the dehumidifier from its packaging.
2. Remove all packing materials, including any tape or protective films.
3. Retain the packaging for future storage or transport if needed.

4.2 Placement

Proper placement is crucial for optimal performance and safety.

- Place the dehumidifier on a firm, level surface to prevent vibration and water spillage.
- Ensure there is at least 20 cm (8 inches) of clear space around the air inlet and outlet to allow for proper airflow. Do not block these openings.
- Avoid placing the unit near heat-generating appliances or in direct sunlight.
- For best results, close all doors and windows in the room where the dehumidifier is operating to create an enclosed environment.

4.3 Power Connection

- Ensure the power cord is fully extended and not damaged.
- Plug the power cord into a grounded electrical outlet that matches the voltage requirements of the unit.

5. OPERATING INSTRUCTIONS

The dehumidifier features an intuitive touch control panel and digital display for easy operation.



Image 5.1: Close-up of the dehumidifier's touch control panel and the removable 2-litre water tank, illustrating the high-extraction capacity and drainage options.

5.1 Power On/Off

- Press the **POWER** button on the control panel to turn the unit on or off.

5.2 Dehumidifying Modes

The dehumidifier offers several operating modes to suit different needs:

- **Relative Humidity Mode:** Press the **HUMIDITY SETTING** button to set your desired humidity level between 30% and 90% RH (Relative Humidity) in 5% increments. The unit will automatically adjust its operation to maintain this level.
- **Comfort Mode:** This mode automatically sets the target humidity based on the current room temperature for optimal comfort.
- **Continuous Mode:** The unit operates continuously without targeting a specific humidity level, ideal for very damp conditions or for drying laundry.
- **Laundry Drying Mode:** Similar to Continuous Mode, this setting is optimized for drying clothes indoors by continuously removing moisture from the air.

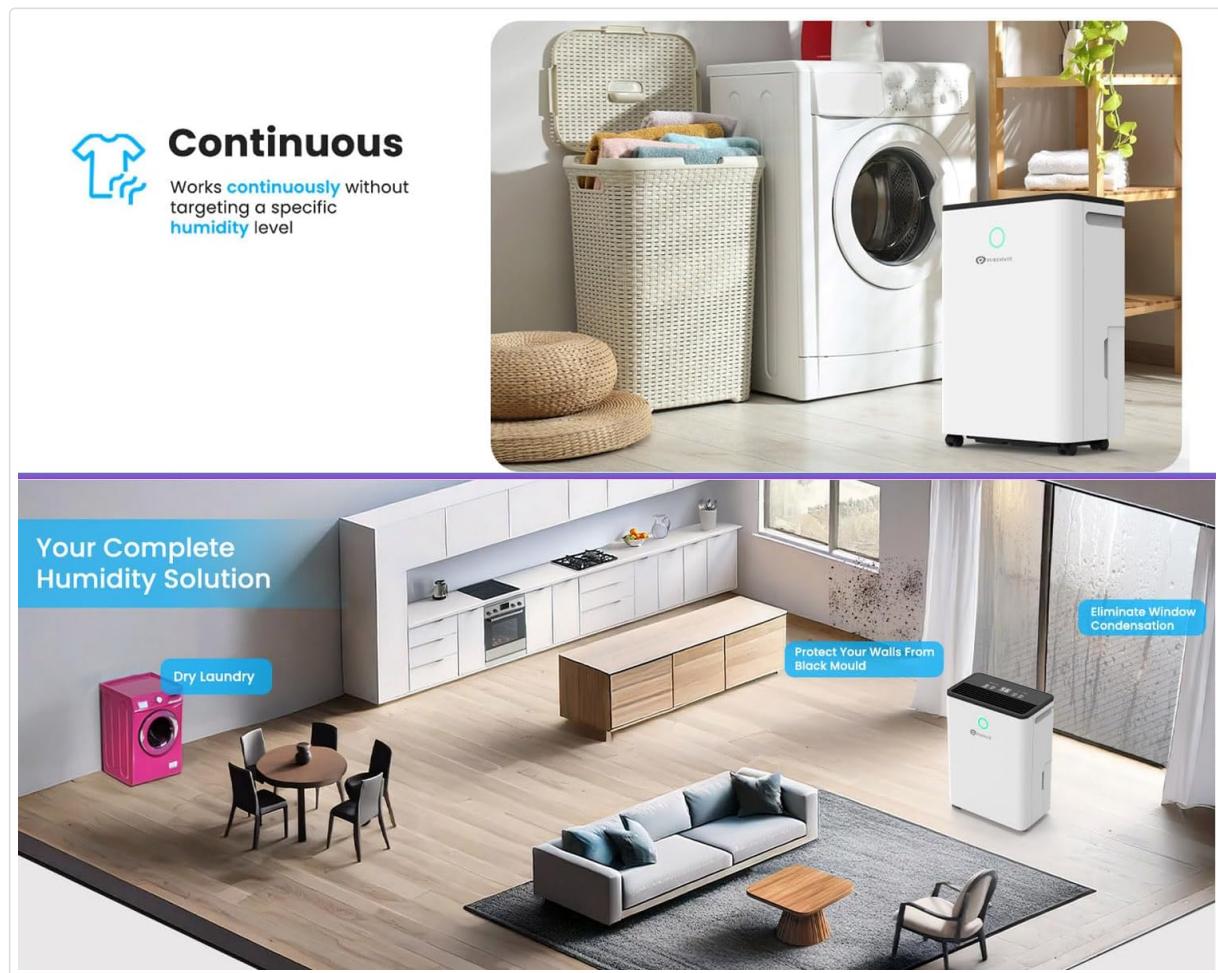


Image 5.2: Visual representation of the Continuous mode and various humidity solutions provided by the dehumidifier, including dry laundry, protection against black mould, and elimination of window condensation.

5.3 Fan Speed

- Press the **SPEED** button to cycle between different fan speeds (e.g., Low, High). Higher fan speed results in faster dehumidification.

5.4 24-Hour Timer

- Press the **TIMER** button to set the desired operating duration (in hours) for the unit to turn on or off automatically.
- Each press increases the timer setting. Once the desired time is set, the unit will operate for that duration or turn off after that duration, depending on its current state.

24 Hours Timer

The 24 hour timer helps you set a timer span to control the moisture within your home



Remove excess moisture without being disturbed.

33-37 dB



Image 5.3: Depicts the 24-hour timer function and the quiet operation of the dehumidifier (33-37 dB), allowing for undisturbed use even during sleep.

5.5 Digital Display and Indicator Lights

- The digital display shows the current room humidity level or the set humidity/timer value.
- **Humidity Indicator Light:** The unit features an LED light that changes color based on the ambient humidity level:
 - **RED:** Humidity level is greater than 65%.
 - **GREEN:** Humidity level is between 40% and 55%.
 - **BLUE:** Humidity level is less than 40%.
- **Auto Defrost Function:** The unit automatically performs defrosting when frost builds up on the evaporator coils, ensuring efficient operation in cooler temperatures.



Image 5.4: Illustrates the Automatic Dehumidification Mode, where the unit adjusts target humidity based on room temperature, and the Auto Defrost Function. Also shows the Humidity Indicator Light with its color codes (Red, Green, Blue) for different humidity ranges.

6. DRAINAGE OPTIONS

The PureMate dehumidifier offers two methods for water drainage:

6.1 Manual Water Tank Emptying

- The dehumidifier is equipped with a 2-litre water tank.
- When the tank is full, the unit will automatically shut off, and an indicator light (usually 'Full' or 'Tank Full') will illuminate.
- Carefully pull out the water tank from the unit.
- Empty the collected water into a sink or drain.
- Reinsert the empty water tank firmly into the unit. The dehumidifier will resume operation.

6.2 Continuous Drainage

- For maintenance-free operation, you can connect a 12mm hose (not included) for continuous drainage.
- Locate the continuous drainage outlet on the back or side of the unit.
- Attach one end of a 12mm hose to this outlet.
- Ensure the other end of the hose is placed in a drain or a larger container, ensuring a downward slope for gravity drainage.

- Once connected, the water will bypass the internal tank and drain directly.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your dehumidifier.

7.1 Cleaning the Air Filter

The washable air filter helps to capture dust and improve air quality. Clean it regularly, typically every two weeks, or more often if used in a dusty environment.

- Turn off the dehumidifier and unplug it from the power outlet.
- Locate and remove the air filter (usually at the back or side of the unit).
- Gently wash the filter under running tap water. For stubborn dirt, use a soft brush and mild detergent.
- Rinse thoroughly and allow the filter to air dry completely before reinserting it. Do not use a dryer or direct heat.
- Once dry, place the filter back into its position.

7.2 Cleaning the Water Tank

Clean the water tank periodically to prevent mould and bacteria growth.

- Turn off and unplug the unit.
- Remove the water tank.
- Wash the tank with warm water and a mild detergent. Rinse thoroughly.
- Dry the tank completely before placing it back into the dehumidifier.

7.3 Cleaning the Exterior

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

8. TROUBLESHOOTING

If you encounter issues with your dehumidifier, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power supply. Power cord not plugged in. Water tank full or not correctly inserted.	Check power connection. Empty and reinsert water tank correctly.
No water collected or very little water collected.	Room humidity is already low. Temperature is too low (below 5°C). Air filter is clogged. Dehumidifier is in continuous drainage mode.	Increase target humidity setting. Ensure room temperature is adequate. Clean the air filter. Check if continuous drainage hose is properly connected and draining.
Unit is noisy.	Unit not on a level surface. Air filter clogged.	Place unit on a flat, stable surface. Clean the air filter.

Problem	Possible Cause	Solution
Airflow is weak.	Air inlet/outlet blocked. Air filter clogged.	Ensure clear space around the unit. Clean the air filter.

If the problem persists after trying these solutions, please contact PureMate customer support.

9. SPECIFICATIONS

Detailed technical specifications for the PureMate 12L/Day Dehumidifier PM411.



Image 9.1: Diagram illustrating the dimensions of the PureMate Dehumidifier: 41.5cm Height, 29cm Width, 17cm Depth.

Feature	Specification
Brand	PureMate
Model Name	PM411
Dehumidification Capacity	12 Litres per Day
Tank Volume	2 Litres
Product Dimensions (D x W x H)	17 x 29 x 41.5 cm
Item Weight	8 kg
Operation Mode	Automatic, Continuous
Special Features	Countdown Timer, Programmable
Upper Temperature Rating	30 Degrees Celsius

10. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official PureMate website. If you require technical support, troubleshooting assistance beyond this manual, or have any questions regarding your PureMate 12L/Day Dehumidifier, please contact PureMate customer service through their official channels.