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> RACHING /

> RACHING MA50 Humidor Cabinet Instruction Manual

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RACHING MA50 Humidor Cabinet Instruction Manual

Model: MA50

[Introduction](#) [Features](#) [Setup](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Support](#)

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your RACHING MA50 Humidor Cabinet. Designed for optimal cigar storage and aging, this cabinet features advanced temperature and humidity control systems. Please read this manual thoroughly before operating the unit and retain it for future reference.

2. KEY FEATURES

- **Spanish Cedar Interior:** Features 100% wood frame with Spanish cedar wood trays and liner, known for moisture absorption, insect resistance, and flavor enhancement.
- **Thermo-Hygrostat System:** Integrated humidity, fan cooling, PTC heating, and dehumidify systems maintain a constant temperature and humidity environment.
- **Precise Control:** Built-in black LCD touch panel allows for easy adjustment of temperature and moisture levels.
- **Internal Lighting:** Ambient lighting assists in viewing cigars without opening the door, minimizing environmental disturbance.
- **Compressor Cooling:** Utilizes an Embraco compressor for efficient cooling with low noise and low energy consumption.
- **Capacity:** 100L capacity, capable of storing over 400 cigars.



Figure 2.1: The RACHING MA50 Humidor Cabinet showcasing its internal Spanish cedar shelves filled with cigars.

3. SETUP INSTRUCTIONS

3.1 Unpacking

The humidor cabinet is securely packaged. Carefully remove all packaging materials, including any internal protective elements. Inspect the unit for any signs of damage during transit.

3.2 Placement

- Place the humidor on a stable, level surface.
- Ensure adequate clearance around the unit for proper ventilation.
- Consider the door's opening radius: the door requires approximately 140 to 150 degrees of clearance to fully open and allow drawers to be pulled out without obstruction. Avoid placing the unit too close to a corner or an adjacent wall that would restrict door movement.
- Avoid direct sunlight or heat sources, which can affect temperature stability.

3.3 Initial Power On and Stabilization

After placing the unit, plug it into a suitable power outlet. The unit will require approximately 5 to 6 hours to stabilize and reach the set temperature and humidity levels. During this initial period, it is normal for the system to work to achieve the desired environment.

4. OPERATING INSTRUCTIONS

4.1 Temperature and Humidity Control

The MA50 features a thermo-hygrostat system designed to maintain precise conditions. The control system dynamically adjusts temperature and humidity based on internal sensor readings.

- **Recommended Temperature Range:** 60-71°F (16-22°C)
- **Recommended Humidity Range:** 60-75%



Figure 4.1: The digital control panel on the RACHING MA50, showing current temperature and humidity settings.

4.2 Using the LCD Touch Panel

The built-in black LCD touch panel allows for easy adjustment of settings. Simply touch the panel to set your desired temperature and moisture levels. The cabinet will then work to maintain these settings.

Your browser does not support the video tag.

Video 4.1: Demonstration of the RACHING MA50 Humidor Cabinet's features, including the touch panel and internal lighting. This video highlights the ease of adjusting settings and accessing cigars.

4.3 Internal Ambient Lighting

The humidor is equipped with internal ambient lighting. This feature allows you to view your cigars without needing to open the door, thus preventing unnecessary disturbance to the internal temperature and humidity.

4.4 Adding Water to the Humidifier

The wet film humidifier requires regular water replenishment. It is recommended to add water monthly to ensure continuous humidity control. Use distilled water to prevent mineral buildup.



Figure 4.2: The multi-layer honeycomb mesh 3D structure wet film, part of the humidifier system.

5. MAINTENANCE

5.1 Water Refill

As mentioned in the operation section, refill the humidifier's water reservoir monthly with distilled water. This ensures the wet film humidifier functions correctly and maintains optimal humidity levels.

5.2 Filter Sponge Replacement

The filter sponge within the humidifier system should be replaced approximately every 3 months to maintain efficiency and prevent issues. Contact RACHING customer support or an authorized dealer for replacement filter sponges.

5.3 Cleaning

- **Exterior:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners.
- **Interior:** Periodically inspect the Spanish cedar interior for any dust or debris. Wipe with a dry, soft cloth. Do not use water or cleaning solutions on the cedar wood.

- **Water Tray:** Clean the water tray when refilling to prevent mold or algae growth.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your RACHING MA50 Humidor Cabinet.

Problem	Possible Cause	Solution
Inaccurate Humidity Readings	Internal sensor deviation.	If you use external hygrometers and notice a consistent difference, you may need to adjust the set point on the humidor's control panel to compensate for the deviation. For example, if the humidor reads 4% higher than actual, set it 4% lower than your desired humidity.
Excessive Power Consumption / Frequent Cycling	High sensitivity of temperature/humidity control; lack of hysteresis.	Ensure the door seal is intact and the unit is not exposed to extreme ambient conditions. While the unit is designed for precise control, frequent cycling can occur. If power consumption is a concern, monitor it with an external meter. There is no user-adjustable sensitivity setting.
No Door Open Detection	Unit continues to operate when the door is open.	Minimize the time the door is open to prevent unnecessary energy use and disturbance to the internal environment. The unit does not have a sensor to pause operation when the door is ajar.
Drawers Tipping/Falling Out	Lack of anti-tip mechanism for drawers.	Exercise caution when pulling out drawers, especially when they are heavily loaded. Support the drawer from underneath to prevent tipping.
Condensed Water Inside	Not applicable due to wood liner.	The 100% wood liner is designed to prevent condensed water accumulation, unlike metal liners. If condensation occurs, ensure the door is properly sealed and the ambient humidity is not excessively high.

7. SPECIFICATIONS

Feature	Detail
Model Number	MA50
Capacity	100 Liters (400+ cigars)
Temperature Range	60-71°F (16-22°C)
Humidity Range	60-75%
Power	120W
Compressor Brand	USA Embraco
Door Materials	Hollow low-E double glass
Interior Material	Spanish Cedar Wood (trays and liner)
Display	Backlit LCD touch screen
Dimensions (L x W x H)	20" x 21.5" x 37.5" (500mm x 550mm x 950mm)
Weight	110 lbs (50 kg)



Figure 7.1: Product specifications and dimensions diagram for the MA50 Humidor Cabinet.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about replacement parts such as filter sponges, please contact RACHING customer service. Refer to your purchase documentation for specific warranty terms and contact details.

RACHING US is the official vendor for this product. You can typically find support contact information through the retailer where the product was purchased or on the official RACHING website.