

DOMETIC DS301H

Dometic DS 301 H Medicine Refrigerator User Manual

Model: DS 301 H

1. INTRODUCTION

The Dometic DS 301 H is a specialized absorption refrigerator designed for the safe and reliable storage of temperature-sensitive medications. It maintains a stable internal temperature range of 2°C to 8°C, crucial for pharmaceutical integrity. Key features include a digital thermometer with min/max memory, an audible door open alarm, and an integrated fan for consistent temperature distribution. This manual provides essential information for the proper installation, operation, and maintenance of your Dometic DS 301 H refrigerator.

2. SAFETY INFORMATION

Please read all safety instructions carefully before operating the appliance to prevent injury or damage.

- **Electrical Safety:** Ensure the power supply matches the appliance's requirements (230 Volts). Do not use damaged power cords or plugs. Always disconnect power before cleaning or maintenance.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating. Do not block ventilation openings.
- **Placement:** Place the refrigerator on a stable, level surface away from direct sunlight, heat sources, and moisture.
- **Temperature Control:** This unit is designed to maintain temperatures between 2°C and 8°C. Do not attempt to store items requiring temperatures outside this range.
- **Door Alarm:** The audible alarm indicates the door has been open for more than 20 seconds. Close the door promptly to maintain internal temperature.
- **Cleaning:** Use only mild cleaning agents. Do not use abrasive cleaners or solvents.
- **Medical Use:** This refrigerator is ideal for nurse stations, medical practices, pharmacies, nursing homes, and hospital beds. Note that it is **not compliant with DIN 58345**.

3. SETUP

1. **Unpacking:** Carefully remove the refrigerator from its packaging. Inspect for any shipping damage.
2. **Placement:** Position the unit on a firm, level surface. Allow sufficient space (at least 10 cm) around the back and sides for proper air circulation. Avoid placing it near heat-emitting appliances or in direct sunlight.
3. **Initial Cleaning:** Before first use, wipe the interior and exterior with a damp cloth and mild detergent. Dry thoroughly.

4. **Power Connection:** Plug the power cord into a grounded electrical outlet (230 Volts).
5. **Stabilization:** Allow the refrigerator to stand for at least 2-4 hours before loading it with medications. This allows the refrigerant to settle.
6. **Temperature Monitoring:** The digital thermometer will display the current internal temperature. Monitor it to ensure it reaches the desired 2°C to 8°C range before storing sensitive items.



Figure 3.1: Dometic DS 301 H with door open, showcasing the interior layout and storage drawers.

4. OPERATING INSTRUCTIONS

- **Power On/Off:** The unit operates continuously when plugged in. To turn off, disconnect from the power supply.
- **Temperature Range:** The refrigerator is designed to maintain a temperature between 2°C and 8°C. This range is fixed and not user-adjustable.
- **Digital Thermometer:** The integrated digital thermometer displays the current internal temperature. It also features a min/max memory function to track temperature fluctuations. Consult the thermometer's specific instructions for resetting min/max values.
- **Door Open Alarm:** An audible alarm will sound if the door remains open for more than 20 seconds. Close the door immediately to silence the alarm and preserve the internal temperature.

- **Storage Drawers:** The three transparent drawers are designed to protect contents from heat exposure when the door is opened, providing an additional layer of temperature stability. Organize medications within these drawers for optimal storage.
- **Door Lock:** The unit is equipped with a door lock for secure storage of sensitive medications. Use the provided key to lock and unlock the door.



Figure 4.1: Front view of the Dometic DS 301 H, highlighting the door lock and branding.

5. MAINTENANCE

- **Cleaning:** Regularly clean the interior and exterior surfaces with a soft cloth and a mild, non-abrasive detergent. Avoid harsh chemicals or abrasive materials. Ensure the unit is unplugged before cleaning.
- **Defrosting:** The unit features an integrated fan for optimal air circulation, which significantly reduces the need for manual defrosting. However, if ice buildup occurs, manually defrost the unit by unplugging it and allowing the ice to melt. Remove contents before defrosting.
- **Door Seal:** Periodically check the door seal for any signs of wear or damage. A damaged seal can lead to temperature fluctuations and increased energy consumption. Clean the door seal with a damp cloth.
- **Ventilation Grilles:** Keep the ventilation grilles at the back and sides of the unit clean and free from dust or obstructions to ensure efficient operation.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Refrigerator not cooling	No power; ventilation blocked; unit recently moved.	Check power connection. Ensure adequate ventilation. Allow unit to settle for several hours after moving.

Problem	Possible Cause	Solution
Temperature too high/low	Door not closed properly; excessive door openings; unit overloaded; poor ventilation.	Ensure door is fully closed. Minimize door openings. Do not overload the unit. Check ventilation.
Door open alarm sounds frequently	Door left open too long; door seal damaged.	Close door promptly. Inspect and clean door seal.
Unusual noises	Unit not level; items inside rattling.	Ensure unit is on a level surface. Rearrange items inside. Absorption cooling is generally vibration-free.

If the problem persists after attempting these solutions, please contact Dometic customer support.

7. SPECIFICATIONS

Brand: DOMETIC

Model Number: DS 301 H (DS301H)

Product Dimensions (L x W x H): 42.2 x 39.3 x 58 cm (16.6 x 15.5 x 22.8 inches)

Weight: 15 kg (33 lbs)

Capacity: 27 Liters (Gross and Usable)

Cooling Technology: Absorption cooling (vibration-free)

Temperature Range: 2°C to 8°C (fixed)

Voltage: 230 Volts

Energy Consumption: 313.9 kWh/year

Number of Drawers: 3

Defrost System: Manual (reduced need due to fan)

Door Hinge: Right

Special Features: Fresh food compartment, Thermostat, Integrated display, Digital thermometer with memory, Door lock, Door open warning signal.

Color: White

Configuration: Compact without freezer

Form Factor: Freestanding

Compliance: Not compliant with DIN 58345.

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Dometic website. Information regarding spare parts availability is currently unavailable through this manual.

Online Resources:

- [Visit the Dometic Store on Amazon](#)

9. OFFICIAL PRODUCT VIDEOS

There are no official product videos from the seller available for this model at this time.



