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› EQTemp ACR162GLHD 1.58 cu. ft. Vaccine Refrigerator User Manual

EQTemp ACR162GLHD

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Model: ACR162GLHD | Brand: EQTemp

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your EQTemp ACR162GLHD 1.58 cu. ft. Vaccine Refrigerator. This compact medical-grade refrigerator is designed for the precise storage of vaccines and other temperature-sensitive medical supplies, maintaining an internal temperature range of 2°C to 8°C. Please read all instructions carefully before installation and use to ensure proper function and longevity of the unit.

2. IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire, electric shock, or injury, follow these basic precautions:

- Read all instructions before using the appliance.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- This appliance must be properly installed and located in accordance with the Installation Instructions before it is used.
- Connect to properly grounded outlets only. Refer to the 'Electrical Connection' section.
- Never unplug your appliance by pulling on the power cord. Always grasp the plug firmly and pull straight out from the outlet.
- Repair or replace immediately all electric service cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length, the plug, or the connector end.
- Unplug your appliance before cleaning or before making any repairs.
- If the unit is not in use for an extended period, unplug it and clean it thoroughly. Leave the door slightly ajar to prevent odors and mold growth.
- Do not use any electrical device inside the refrigerator compartment unless it is recommended by the manufacturer for this model.
- Keep ventilation openings in the appliance enclosure or in the built-in structure clear of obstruction.

3. SETUP AND INSTALLATION

3.1 Unpacking

Carefully remove all packaging materials, including foam and tape. Inspect the refrigerator for any shipping damage. Report any damage to your supplier immediately. Retain packaging materials for future transport if needed.

3.2 Placement

- Place the refrigerator on a flat, stable surface capable of supporting its weight when fully loaded.
- Ensure adequate ventilation around the unit. Maintain a minimum of 2 inches (5 cm) clearance from walls on the sides and back, and 4 inches (10 cm) on top.
- Avoid direct sunlight or proximity to heat sources (e.g., ovens, radiators) to prevent temperature fluctuations and increased energy consumption.
- This unit is designed for indoor use only.

3.3 Electrical Connection

Before connecting the appliance to a power source, ensure the voltage indicated on the rating label matches your local power supply. This unit requires a dedicated, grounded 115 Volt, 60 Hz AC outlet. Do not use extension cords or adapter plugs. The hospital-grade cord with a 'green dot' plug ensures a secure connection.

3.4 Initial Operation

1. After placement, allow the refrigerator to stand upright for at least 2 hours before plugging it in. This allows the refrigerant to settle.
2. Plug the unit into a grounded electrical outlet.
3. The internal fan will begin operating, and the digital temperature display will illuminate.
4. Allow the refrigerator to operate empty for 4-6 hours to reach its stable operating temperature (2°C to 8°C) before loading any contents.



Figure 1: Front view of the EQTemp ACR162GLHD vaccine refrigerator. The unit features a glass door, an internal fan, and a control panel at the top.



Figure 2: Dimensional diagram of the EQTemp ACR162GLHD refrigerator. The unit measures 22.88 inches in height, 18.75 inches in width, and 18 inches in depth.

4. OPERATING INSTRUCTIONS

4.1 Control Panel Overview

The control panel, located at the top of the unit, features a digital thermostat, a temperature display, and an external high/low temperature readout. It also includes an ON/OFF switch for the internal light and a factory-installed lock.

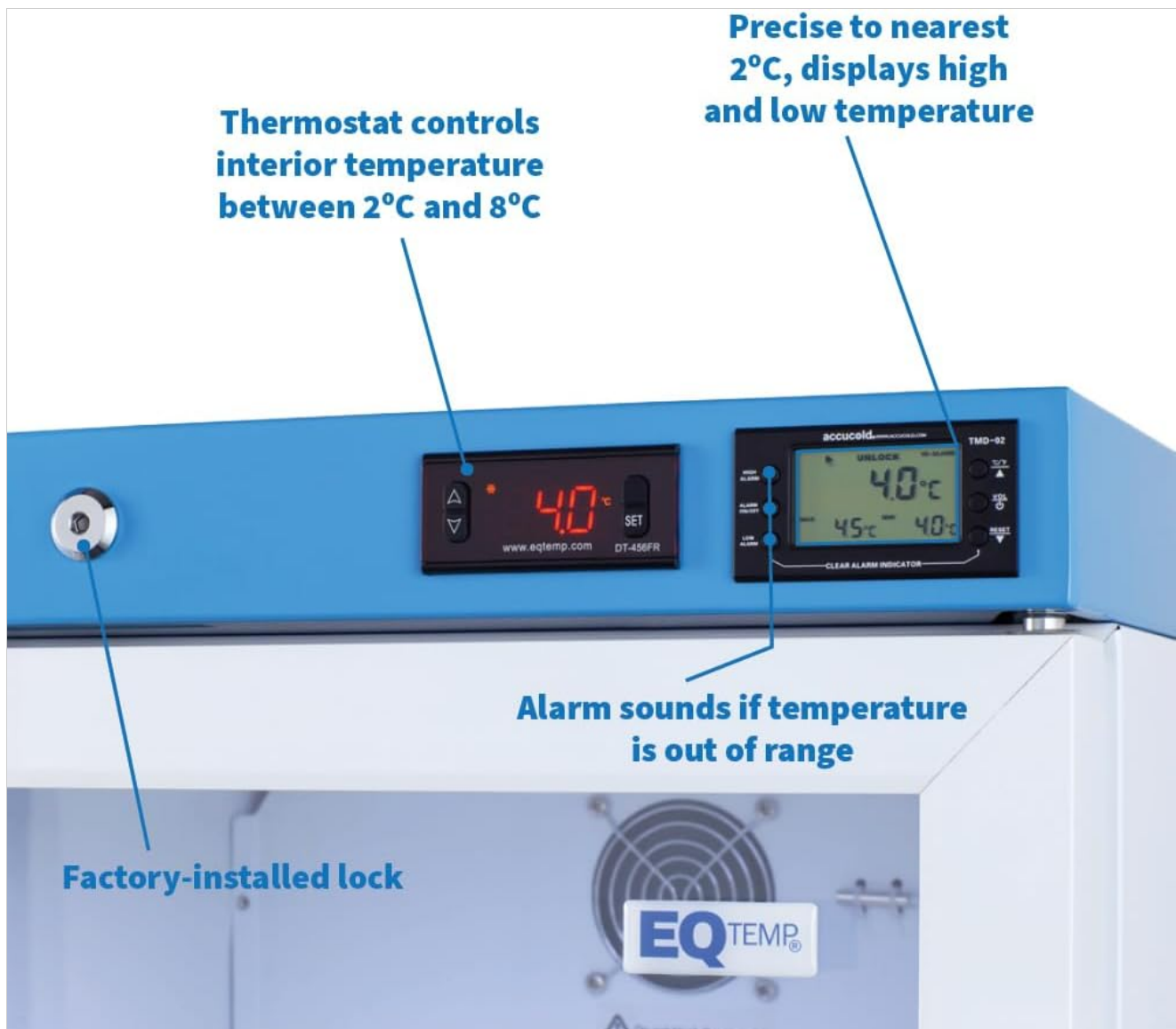


Figure 3: Detail of the control panel. It shows the thermostat controlling the interior temperature between 2°C and 8°C, a precise temperature display, and an alarm indicator for out-of-range temperatures. A factory-installed lock is also visible.

4.2 Temperature Setting

The thermostat is factory-preset to maintain an interior temperature between 2°C and 8°C, as recommended for vaccine storage. The digital display shows the current internal temperature. Refer to the specific thermostat instructions for any adjustments, though typically, medical refrigerators are set to a fixed range.

4.3 Alarms

The unit is equipped with an audible alarm that sounds if the internal temperature goes out of the preset 2°C to 8°C range. The external readout also displays high and low temperatures recorded, allowing for easy monitoring. Consult the control panel instructions for silencing or resetting alarms.

4.4 Internal Features

- **Shelving:** The refrigerator includes one wire shelf in the center for the temperature probe and four additional adjustable shelves for organizing contents.
- **LED Lighting:** Internal LED lighting illuminates the cabinet for clear visibility of stored items.
- **Internal Fan:** An internal fan ensures even airflow and consistent temperature distribution throughout the cabinet, aiding in rapid temperature recovery after door openings.
- **Self-Closing Door:** The glass door is equipped with a self-closing mechanism to minimize exposure of contents to ambient room temperature.

- **Access Port:** A pre-installed 3/8" access port is provided for users to install their own temperature monitoring equipment, if desired.
- **Buffered Temperature Probe:** The buffered temperature probe is encased in a bottle filled with glass beads, providing improved accuracy in temperature readings, consistent with CDC and VFC guidelines.

Internal fan maintains even airflow and temperature throughout

LED Lighting



Door is equipped with a self-closing mechanism

EQTEMP

Figure 4: Interior view highlighting key features. The internal fan maintains even airflow, LED lighting provides visibility, and the door is designed with a self-closing mechanism.



Figure 5: Detail of the pre-installed 3/8" access port, designed for users to integrate additional temperature monitoring equipment.



Figure 6: The buffered temperature probe, encased in a bottle of glass beads, ensures highly accurate temperature readings as recommended by medical guidelines.

5. MAINTENANCE

5.1 Cleaning

Regular cleaning helps maintain hygiene and efficiency. Always unplug the unit before cleaning.

- **Interior:** Clean the interior surfaces, shelves, and door gasket with a mild detergent and warm water. Rinse thoroughly and dry with a soft cloth. Avoid abrasive cleaners or sharp objects that could damage surfaces.

- **Exterior:** Wipe the exterior with a soft cloth and mild detergent.
- **Condenser Coils:** Periodically clean the condenser coils (located at the back or bottom of the unit) with a soft brush or vacuum cleaner to remove dust and debris. This improves cooling efficiency.

5.2 Defrosting

This refrigerator features an automatic defrost system, which minimizes ice buildup and reduces user maintenance. During the defrost cycle, a small amount of water may collect in a drip tray and evaporate. No manual defrosting is typically required.

6. TROUBLESHOOTING GUIDE

Before contacting customer support, please refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Refrigerator does not operate	Not plugged in; Circuit breaker tripped/fuse blown; Power outage.	Ensure plug is secure; Reset circuit breaker/replace fuse; Check local power supply.
Temperature is too warm	Door not closed properly; Excessive door openings; Unit overloaded; Poor ventilation; Near heat source.	Check door seal and ensure it closes fully; Reduce frequency/duration of door openings; Do not overload; Ensure proper clearances; Relocate unit away from heat.
Audible alarm sounds	Temperature out of range (above 8°C or below 2°C); Door left ajar.	Check contents and door seal; Allow unit to stabilize; If problem persists, contact support.
Excessive noise	Unit not level; Objects vibrating against unit; Compressor noise (normal).	Adjust leveling feet; Ensure nothing is touching the unit; Compressor noise is normal during operation.

7. SPECIFICATIONS

Feature	Detail
Model	ACR162GLHD (Related model: ACR161W)
Brand	EQTemp
Capacity	1.58 cu. ft. (45 L)
Dimensions (H x W x D)	22.88" x 18.75" x 18.0"
Weight	49.6 lbs
Temperature Range	2°C to 8°C
Voltage	115 Volts
Defrost System	Automatic
Door Type	Glass Door, Left Hand Swing
Special Features	Digital Temperature Control, Door Ajar Alarm, LED Display, Buffered Temperature Probe, Factory-Installed Lock, 3/8" Access Port
Included Components	19" Wide Compact Healthcare Refrigerator

8. WARRANTY INFORMATION

This EQTemp appliance is covered by a limited manufacturer's warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration. Keep your proof of purchase for warranty claims. The warranty typically covers defects in materials and workmanship under normal use.

9. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this guide, or warranty inquiries, please contact EQTemp customer service. Contact details can typically be found on the manufacturer's website or on the product packaging. *Please have your model number (ACR162GLHD) and serial number ready when contacting support.*