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CGOLDENWALL CG-KSZ-01

CGOLDENWALL Insulin Electric Cooler Instruction Manual

Model: CG-KSZ-01

1. Introduction

This manual provides essential information for the safe and effective use of your CGOLDENWALL Insulin Electric Cooler. Please read these instructions carefully before operating the device and retain them for future reference.
The CGOLDENWALL Insulin Electric Cooler is designed to maintain insulin and other temperature-sensitive medications within a safe temperature range during travel and daily use. It features both electric and physical cooling methods for versatility.



Image: The CGOLDENWALL Insulin Electric Cooler in white, showcasing its compact and portable design.

2. Product Overview

The CGOLDENWALL Insulin Electric Cooler offers a dual-mode cooling system, combining electric refrigeration for precise temperature control and a metallic ice ring for passive cooling when electricity is unavailable.

Key Features:

- **Dual Cooling Modes:** Electric (USB powered) and Physical (ice ring).
- **Temperature Control:** Digital temperature display and adjustable settings (2-20°C).
- **Portability:** Compact design suitable for travel.
- **Multiple Power Options:** Compatible with power banks, car USB, wall adapters, and laptops.
- **Stable Cooling:** Designed for consistent temperature maintenance.



Image: Illustration of the cooler's two cooling methods: electric for constant power and physical with an ice ring for outdoor use without electricity.

3. Setup

Unpacking:

Carefully remove all components from the packaging. Verify that all accessories listed in the "Accessories List" section are present.

Initial Charging (Electric Mode):

1. Connect the cooler to a 5V USB power source (e.g., wall adapter, power bank, car USB, laptop) using the provided USB cable.
2. Allow the device to charge fully before first use, if it contains an internal battery (check specifications for battery inclusion).

Preparing the Metallic Ice Ring (Physical Mode):

1. Remove the metallic ice ring from the cooler.
2. Place the metallic ice ring in a freezer for 6-8 hours until completely frozen.
3. Once frozen, insert the ice ring back into the cooler for passive cooling. This provides cooling for approximately 10-12 hours.



Image: The metallic ice ring, designed for uniform 360-degree cooling, compared to less efficient plastic gels.

4. Operating Instructions

Placing Medication:

Ensure your insulin pens or vials are placed securely inside the cooler. Refer to the "Medication Storage Space" section for capacity details.



Image: Internal storage dimensions and examples of how many insulin pens or refills can be stored. Always verify internal dimensions before purchase.

Electric Cooling Mode:

1. Connect the cooler to a 5V power source using the USB cable.
2. The digital display will show the current internal temperature.
3. Use the '+' and '-' buttons on the control panel to set your desired temperature (range 2-20°C).
4. The cooler will automatically adjust to reach and maintain the set temperature.
5. **Rapid Cooling Mode:** For ambient temperatures above 30°C, select the rapid cooling mode for faster temperature reduction.
6. **Energy Saving Mode:** For ambient temperatures around 25°C, switch to energy-saving mode after the desired temperature is reached to conserve power.



Image: The cooler's digital display showing real-time temperature monitoring.



Image: Performance chart showing rapid cooling to 8°C in 10 minutes and 2°C in 20 minutes, with recommendations for rapid cooling and energy-saving modes based on ambient temperature.

Physical Cooling Mode:

When electric power is not available, use the pre-frozen metallic ice ring. This mode provides cooling for 10-12 hours. Ensure the ice ring is fully frozen before use.



Image: Comparison graph demonstrating the stable cooling provided by the CGOLDENWALL cooler with power versus a typical cooler's performance decline over time.

Multiple Power Options:

The cooler can be powered by various 5V DC sources, including:

- Power Bank
- Car USB Port
- Standard Wall Outlet (with adapter)
- Laptop/Computer USB Port



Image: Visual representation of the multiple ways to power the cooler, ensuring insulin safety during travel.

5. Maintenance

Cleaning:

- Disconnect the cooler from all power sources before cleaning.
- Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or immerse the device in water.
- Clean the interior with a soft, damp cloth and mild soap if necessary. Ensure the interior is completely dry before storing medication or operating.

Storage:

- When not in use, store the cooler in a cool, dry place away from direct sunlight.
- If storing for extended periods, ensure the device is clean and dry.

6. Troubleshooting

Problem	Possible Cause	Solution
Device not turning on.	No power supply or loose connection.	Ensure the USB cable is securely connected to a 5V power source. Try a different power source or cable.
Temperature not reaching desired level.	High ambient temperature, insufficient power, or cooler door not sealed.	• If ambient temperature is high (>30°C), use Rapid Cooling Mode. • Ensure the power source provides sufficient current (e.g., a dedicated wall adapter rather than a low-power laptop USB port). • Check that the cooler lid is properly closed and sealed.
Display not working.	Power issue or display malfunction.	Check power connection. If problem persists, contact customer support.
Unusual noise during operation.	Fan obstruction or internal component issue.	Ensure no objects are obstructing the fan vents. If noise persists, discontinue use and contact customer support.

7. Specifications

Feature	Detail
Model Number	CG-KSZ-01 (Manufacturer Part Number: XCX-29)
Cooling Method	Thermoelectric (Electric) and Physical (Metallic Ice Ring)
Temperature Range	2°C - 20°C (Adjustable)
Power Input	DC 5V (USB Powered)
Voltage	220 Volts (for AC adapter, if used)
Product Dimensions	8.4 x 8.4 x 25 cm
Weight	1.6 kg
Net Refrigerator Capacity	800 Milliliters
Battery	1 Lithium Ion battery (included, if applicable)
Special Features	Digital Temperature Control, Portable, Adjustable Temperature Control

Accessories List:

The standard package includes:

- CGOLDENWALL Insulin Electric Cooler Unit
- Metallic Ice Ring
- USB Power Cable
- User Manual
- Carrying Pouch (if included in specific variant)
- Wall Power Adapter (if included in specific variant)



Image: A visual list of the accessories included with the cooler, such as the main unit, ice ring, USB cable, and carrying pouch.

8. Warranty and Support

For warranty information and customer support, please refer to the contact details provided on the product packaging or visit the official CGOLDENWALL website. Keep your purchase receipt as proof of purchase for warranty claims.
Manufacturer: CGOLDENWALL

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