



# ACTIVE COLD BOX



Quality, Management, Environment, Health & Safety Standards



CDSCO Certified



USFDA Listed



European CE



ISO 13485:  
NABCB/IAF



ISO 9001: IAF



7 Electric Safety  
Certifications

## INTRODUCTION

The Marken Active Cold Box is a state-of-the-art solution tailored to meet the stringent requirements of temperature-sensitive shipments, particularly vital in the pharmaceutical and life sciences sectors. Its innovative design encompasses several comprehensive features that prioritize precision, efficiency, and mobility, ensuring the safe and reliable transport of critical materials.

## KEY FEATURES

### EXTENDED TEMPERATURE RETENTION



**Advanced Temperature Control and Secure Storage:** The temperature can be adjusted between -20°C and +10°C with high precision, thanks to a microprocessor-based controller, and displayed with an accuracy of 1°C.



**Alarm System:** Includes a low battery warning for safety.



**User-Centric Design:** The push handle makes door operation smooth and effortless.



**Energy Efficiency and Environmental Consideration:** Equipped with R600a refrigerant and a DC compressor for reduced energy consumption.



**Battery Protection Mechanism:** Incorporates an automatic cut-off feature to avoid deep battery discharge, preserving battery health.



**Accurate Temperature Regulation:** Ensures precise temperature control for reliable performance.



**Dual Compartments:** Comes with a partition for organized storage.



**Energy-Saving Design:** Optimized for efficient energy use.



**Mobility:** Features wheels for easy movement.



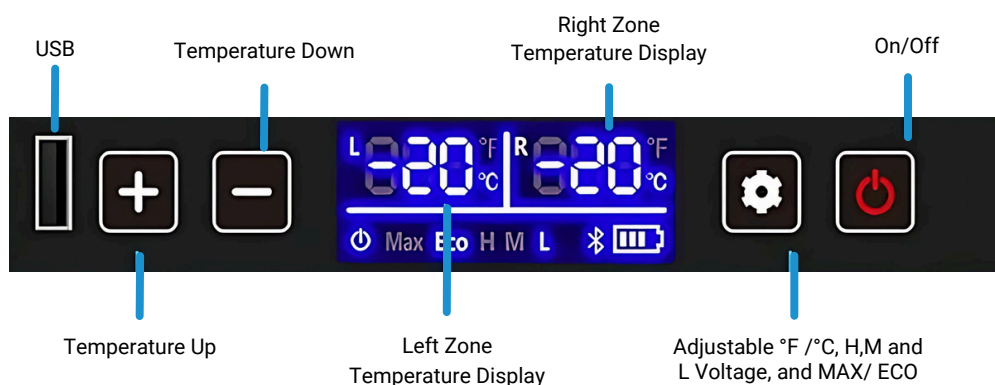
**Dual Power Functionality (Optional):** Designed to run on both 12/24V battery power or a 220V AC supply, with an auto-switching feature for seamless power transitions.

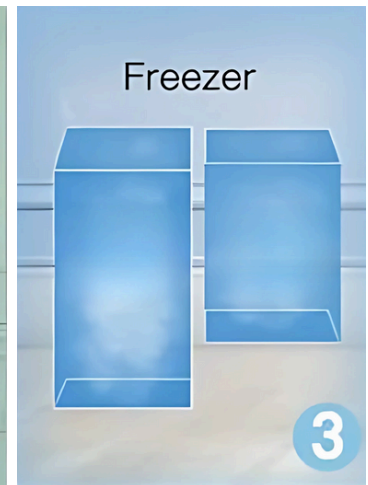
## AREAS OF APPLICATION

It is suitable for vaccine transportation, food sample collection for law enforcement, blood banks, health and epidemic prevention systems, academic institutions, the electronics industry, chemical industry, bioengineering, university laboratories, military enterprises, and more.



## DUAL TEMPERATURE AND DUAL DISPLAY





### USER FRIENDLY DEVICE

- The freezer body is constructed from high-quality materials, featuring a compact design that allows it to be placed directly on an experiment table, making it convenient for storing samples.
- It is easy to operate and equipped with lifting handles on the body for convenient mobility.



### SMART TEMPERATURE CONTROL

- It features a high-definition digital display with an accuracy of 1°C. The internal temperature can be adjusted from +20°C to -20°C.
- The system is user-friendly with an intuitive interface and clear operation status.



### REFRIGERATION SYSTEM

- It utilizes an advanced refrigeration system that ensures rapid cooling while being energy efficient.
- Its compact size makes it easy to transport, and it can operate using a DC 12V/24V vehicle power supply.



### ALARMS

- Includes a low battery alarm.
- Optional alarms: Door ajar, high temperature, and low temperature alarms available.



### TECHNICAL SPECIFICATION

<b>Make</b>	MarkEn
<b>Temperature Range</b>	-20° C To +10° C
<b>Microprocessor Controller</b>	Yes
<b>Temperature Display</b>	Digital Display
<b>Individual Temperature Set</b>	Yes
<b>Hold Over Time</b>	4 to 6 Hr
<b>Refrigerant Type</b>	R600A
<b>Battery Backup</b>	Provides 6 to 8 hours of operation.
<b>Interior Lighting</b>	Yes, for better visibility.
<b>Removable Partition</b>	Yes
<b>Data Logger (OPTIONAL)</b>	Yes, for flexible storage options.
<b>Storage Chamber</b>	Convertible Dual Chamber
<b>Handle &amp; Wheels</b>	Included for easy transport.
<b>Battery</b>	Comes with the unit.
<b>Charge</b>	Included in the package.
<b>Alarms</b>	Battery low alarm
<b>Power Supply</b>	AC (220V to 240V) and DC (12V/24V)

### CAPACITY

8L
18L
22L
55L
80L
As per customer requirement



# CERTIFICATIONS

Quality, Management, Environment, Health & Safety Standards



**50 Products  
CDSCO Certified**



**USFDA Listed**



**8 products tested by a  
WHO-accredited laboratory**



**European CE**



**NABCB: ISO 13485**



**ISO 9001: IAF**



**ISO 14001: IAF**



**ISO 45001: IAF**



**7 Electric Safety  
Certifications**



**WHO GMP**



**BIFMA Certified,  
BIFMA Level 3**



**ASTM- Corrosion  
Free Products**



**ISO 2409**

**EN 13523-26,  
ISO 13849-1,  
IP 69, IP 65**

**& many other...**

## ALL-IN-ONE SOLUTION FOR

Cold Chain Solution  
Medical Equipment  
Blood Bank Equipment

Hospital & Scientific Equipment  
Hospital Furniture & Infrastructure  
Commercial Refrigeration



**25+**

Years of Excellence



**350+**

Product Range



**500+**

Service center



**1000+**

Committed Engineers



**1,00,000+**

Satisfied Users

## OUR ESTEEMED CUSTOMERS



& MANY MORE...



-  **Regd office & Factory:** 93/1, MIDC Satpur, Nashik- 422007 (IND)
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### Authorized Distributor Details