

Transport Cooler

HZY-9ZR

Main Application

This product line is designed for temporary storage and transfer of blood products, tissues, cells and biological samples. The core technology for a reliable storage temperature includes an advanced semiconductor refrigeration system, cold chain monitoring system, camera recognition technology, GPS positioning and Bluetooth data export technology.

Product Advantages

Advanced control for constant temperature

- Constant temperature of 4 +/- 1 C inside the cabinet with resolution of 0.1 C
- Dual controls with six high precision sensors and a mechanical thermostat ensure a reliable and accurate temperature profile inside the cabinet for specified temperature. The sophisticated inner door design significantly improves the energy efficiency by reducing thermal loss.

Multiple alarm functions for safe operation

- Complete alarm functions include high, low temperature, power failure, door ajar, sensor failure and low battery. Sound buzzer and flashing light are two modes for alarm complete with remote alarm interface.
- Rear battery supports the alarm and display after a power failure.
- NFC punch card module is available for a safer storage management.



HZY-9ZR

User Friendly Design

- Can be used with 12 V and 220 power source
- Ease for mounting on vehicles
- Rear-mounted battery supports the display and alarm functions after power failure
- Door lock to secure the unit for stored products
- 4-inch touch screen for ease of interfacing



Temperature data upload record

Precise temperature control, whole-process cold chain monitoring

Real time tracking for blood bag location

Operation system home page

Electromagnetic lock

Parameters

Model	Storage Temperature (C)	Operating Temperature (C)	25 °C Empty Box Holding Time(h)	25 °C Loaded Box Holding Time(h)	Exterior Dimensions (WxDxHmm)	Interior Dimensions (WxDxHmm)	Blood Bag Capacity	Cooling Method	Cold Chain Monitoring	RFID Identification	NFC Unlock
HZY-9ZR	2 - 6	2 - 10	> 1	> 2	520×300×270	430×150×180	9	Active Cooling	Standard	Standard	Standard

Haier Biomedical

Intelligent Protection of Life Science

Haier Biomedical Constant Temperature Transport Cooler



Designed with an advanced semiconductor refrigeration module to provide a constant temperature profile of 4 +/- 1 °C for reliable transfer of blood product



Cold chain monitoring function to ensure real-time temperature data uploading to the cloud platform and data traceability of historical temperature



Built-in GPS positioning module to provide real-time location tracking



Camera identification module designed for intelligent inventory checking and alerting



Temperature kept within 2 - 8 °C for more than 1 hour during blood transfer

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Transport Cooler

HZY-5B

Main Application

This model is for blood banks, blood collecting stations and transporting biological products such as blood, medicines, samples and reagents.

Product Advantages

Performance

- LCD display with 0.1 °C resolution to provide cabinet temperature, signal status, alarm information, battery power and local time
- Built-in SIM card with GPRS function to upload data to remote servers

Storage Security

- Alarm temperature and upload temperature can be set through data management software or cloud platform
- Magnetic lock design for sample security, additional security with software authorization and scan QR code to open function

Refrigeration System

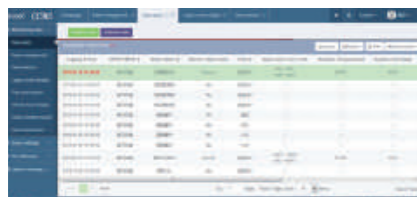
- Passive cooling mode is possible by placing the case in a freezer
- PCM ice pack can be placed to keep storage temperature at 2 to 10°C during transportation
- ABS interior for additional insulation value



HZY-5B

User Friendly Design

- Latch design for securing lid to protect stored products
- Support connection to portable printer GF-P1
- ABS liner design for additional insulation value



Parameters

Model	Operating Temperature (°C)	25 °C Empty Box Holding Time(h)	25 °C Loaded Box Holding Time(h)	Exterior Dimensions (WxDxHmm)	Interior Dimensions (WxDxHmm)	Net Weight (kg)	Cooling Method
HZY-5B	2 ~ 10	> 1	> 4	285x186x200	220x118x126	1.9	Passive cooling

Transport Cooler

HZY-8Z/8ZA/15Z/15ZA

Main Application

The model is designed for temporary storage of biological products such as blood products, medicines, specimens and reagents during transportation

Product Advantages

Temperature control

- Optimized semiconductor refrigeration system design for less energy consumption and cost
- Microprocessor control with digital temperature display, resolution of 0.1 °C
- Cabinet temperature range of 2 to 6 °C at stable operation
- Can hold 2 to 10 °C after power outage

Storage Security

- Alarms mode in buzzer and flashing light
- Alarm conditions are high and low temperature, sensor error, and power failure
- NFC swipe card unlocking function, unlocked information is uploaded in real time. Lid opening is controlled

High version features a cold chain monitoring module.

- Real time uploads of temperature and moisture information to cloud platform for inquiry through WIFI and 4G network.
- GPS positioning feature permits movement location.
- Bluetooth printing available at one touch
- Camera monitoring for internal storage space for any items placed in the box

Refrigeration System

- PCM icepacks increase thermal capacity storage for holding temperature longer.
- Advanced fan design for improved cooling efficiency
- Aluminum liner to improve thermal conductivity



HZY-8Z/8ZA



HZY-15Z/15ZA

User Friendly Design

- 12 V and 220 V power supply for vehicle operation
- Backup battery design to sustain display and alarm functions when power is lost
- Latch design to keep the lid closed for product security
- ABS interior for additional insulation value

Parameters

Model	Storage Temperature (°C)	Operating Temperature (°C)	25 °C Empty Box Holding Time(h)	25 °C Loaded Box Holding Time(h)	Exterior Dimensions (WxDxHmm)	Interior Dimensions (WxDxHmm)	Net Weight (kg)	Cooling Method	Cold Chain Monitoring	NFC Unlocking
HZY-8Z	2 - 6	2 - 10	> 1	> 2	300×260×260	230×140×180	3.5	Active cooling	/	/
HZY-8ZA	2 - 6	2 - 10	> 1	> 2	300×260×260	230×140×180	3.5	Active cooling	standard	/
HZY-15Z	2 - 6	2 - 10	> 1	> 2	490×295×265	430×150×180	6	Active cooling	/	/
HZY-15ZA	2 - 6	2 - 10	> 1	> 2	490×295×265	430×150×180	6	Active cooling	standard	standard

Logistics Cold Chain Transport Cooler

— Active Cooling



HZY-40Z

Product Advantages

DC Frequency Conversion Technology

DC frequency conversion compressor, superior energy efficiency.

Tilt Protection Function

Electronic gyroscope in board, effective protection for compressors.

Integrated Main Body

Rotational molding body better adapted to complex transport environments.

Multiple Power Supply

Supports AC and DC power.

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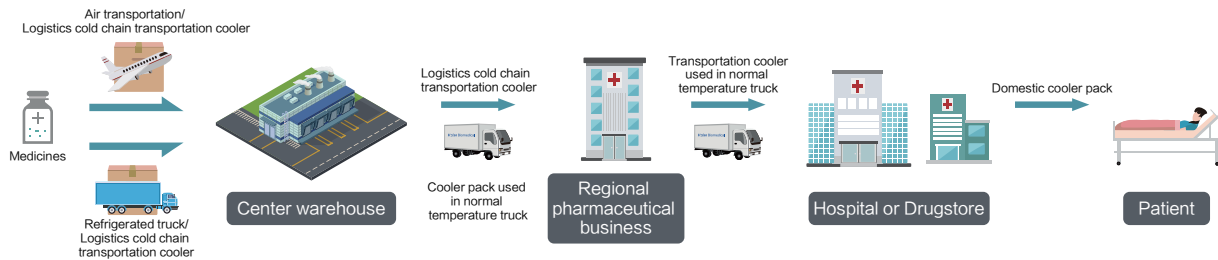


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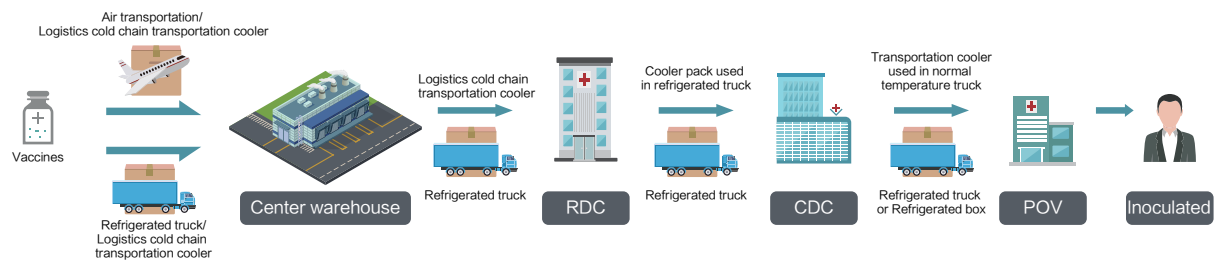
Active Cooling Transport Cooler

Scope of Application

Temperature Sensitive Medicines Transportation Flow



Vaccines Transportation Flow



Unique Designs

- The body and door use integrated rotomolding.
- Optional: Electromagnetic lock, with password lock equipped; more secure.
- Using environmental LBA CFC-free foaming materials, thermal insulation performance is increased by up to 5%.
- Forced air cooling method, the temperature is more uniform.
- The body is equipped with a handle for easy carry.
- Built-in UVC ultraviolet lamp for regular disinfection.
- Optional: Casters to facilitate transport.
- 3 in 1 wide temperature range , multiple functions within one unit, greater cost savings.

Specifications

Model	Exterior Dimension (W*D*H mm)	Interior Dimension (W*D*H mm)	Capacity (L)	Door	Foam Materials	Compressor	Basket Load Bearing (Kg)	Working Mode	Outer Shell/ Inner Liner	Condenser/ Evaporator
HZY-40Z	800*550*505	338*348*285	33	Rotational moulding integrated forming foam door	LBA	DC variable frequency compressor	≤15	Forced air cooling and heating	Rotational moulding	Microchannel/ Fin type

Controller	Refrigerant	Light	UV Lamp	Net Weight (Kg)	Temperature Range (°C)	Power Supply	Max Power (W)	Power Consumption (kW·h/24h)	Electromagnetic Lock	USB
Microprocessor	HFC	LED 1W	UVC 1W	42	-20~22	AC 110-240V 50/60Hz DC12/24V	90	1.5	Optional coded lock	Optional