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*Haier Biomedical reserves the right to change products and specifications without prior notice.

Note:

🚘 Products with Energy Star Certification.

Products are manufactured with Touch Screen.

Y Products are manufactured with Hydrocarbon Refrigerant.

RSF Products with NSF certification

2022 **Product Portfolio** Key Features and Unique Selling Points



Haier Biomedical **ULT Freezer**

ULT Freezer & Biomedical Freezer



- Models: DW-86L959BP(T)/829BP(T)/729BP(T)/579BP(T)
 - Adaptive control follows user patterns, load and environmental conditions
 - Ultra low power consumption

-86°C Frequency Conversion ULT Freezer

- Precise temperature uniformity of ±3°C (setting temperature at -80°C)
- Standard LED (BP) and Touchscreen (BPT) models available
- Optional IoT software system

-86°C TwinCool ULT Freezer Models: DW-86L728S(AT)/578S(AT)



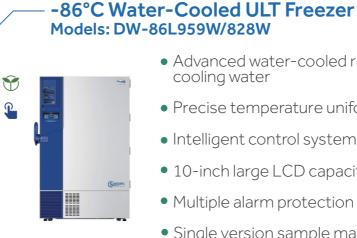
- Dual refrigeration system for ultimate sample protection
- High speed refrigeration system for faster pull down and temperature recovery
- Low noise design
- Standard LED (S) and Touchscreen (ST) models available
- Remote alarm and USB connectivity
- Optional IoT software system

-86°C Standard Low Energy ULT Freezer Models: DW-86L338J(A)/490J(A)/578J(A)/728J(A)/L828J(A)&DW-86W420JA

- Standard low energy models utilising hydrocarbon energy saving refrigeration technology
- Precise temperature uniformity of $\pm 5^{\circ}$ C (setting temperature at -80°C)
- Microprocessor controller with multiple alarms
- Remote alarm contacts and USB interface as standard
- Large selection of sizes and configurations to meet most require-ments, from 100L to 828L

-86°C Under Counter ULT Freezer Model: DW-86L100J

- Microprocessor controller with LED display and multiple alarms
- Optimized auto-cascade refrigeration technology (single compressor)
- 100L on or under-counter stackable design
- Low noise design
- Optional IoT module



Models: DW-86L959W/828W

- cooling water
- Intelligent control system
- 10-inch large LCD capacitive screen
- optional)



- Microprocessor control system
- Optimized auto-cascade refrigeration technology
- Energy Saving
- Tool-free removable filter design

-40°C Biomedical Freezer Model: DW-40L568J



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New

- for plasma bag storage
- Super quiet high-efficiency compressor
- Structural noise reduction design

-30°C Biomedical Freezer Models: DW-30L508

- Energy-saving compressor
- Low power cooling system
- Environmentally friendly hydrocarbon refrigerant
- Super silent compressor technology
- Energy-saving fan

• Advanced water-cooled refrigeration system, 90% heat removed by

Precise temperature uniformity of ±3°C (setting temperature at -80°C)

• Multiple alarm protection with USB and remote alarm connectivity

• Single version sample management software (network version is

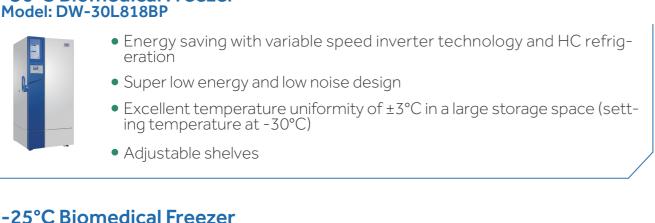
• Large 568L freezer with adjustable shelves and optional freezer racks

• Optimized energy-saving hydrocarbon refrigeration system

• Precise temperature uniformity of $\pm 4^{\circ}$ C (setting temperature at -40°C)

• Precise temperature uniformity of ±4°C (setting temperature at -30°C)

Pharmacy Refrigerator & Vaccine Refrigerator & Blood Bank Refrigerator



-25°C Biomedical Freezer Models: DW-25L262/92

-30°C Biomedical Freezer



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- Direct cooling and manual defrost
- Environmentally-friendly and energy efficient hydrocarbon refrigeration
- Mechanical lock plus lock catch design
- Clear LCD display with multiple alarms
- Supplied with storage drawers

Combined Refrigerator and Freezer Models: HYCD-282A/HYCD-319A



- Dual, independently controlled refrigeration and freezing systems
- Stainless steel interior
- Backup battery
- 48-hour power failure alarm
- Remote alarm contacts
- USB interface for data download



- Forced air cooling for optimal temperature stability and uniformity
- Optimised internal space design with multi-level adjustable shelves
- LED display with multiple alarms



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- Energy efficient: daily power consumption is less than 6 kWh per day • Excellent temperature uniformity of ±2°C • Environment friendly of a GWP only 3 • Multiple alarms for safe and reliable operation

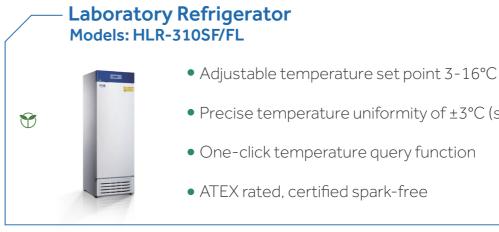
- design

Under-counter Pharmacy Refrigerator Models: HYC-118/118A/68/68A

Pharmacy Refrigerator

Models: HYC-1378/610

- High-efficiency hydrocarbon compressor and refrigerant
- AL HO uniformity -• Small size, fitting easily under the table
 - Microprocessor control with LED and mult ple-alarms with 8-hour power failure alarm
 - Remote alarm terminal



• Standard pharmacy refrigerators with forced-air cooling • Precise temperature uniformity of ±3°C (setting temperature at 5°C) • Microprocessor controller with LED display with multiple alarms • Condensation-free heated self-closing door

• Quiet: the noise output to 43 dB (A) by optimized system and cabinet

- Air cooling, with auto defrost for superior cabinet temperature

- Precise temperature uniformity of ±3°C (setting temperature at 5°C)

Vaccine Refrigerator & Blood Bank Refrigerator Haier Biomedical

Ice-lined Vaccine Refrigerator Models: HBC-80/150/260 • Cabinet structure design • CFC-free high-density foam insulation

- WHO/UNICEF standard Grade A freeze protection
- Wide ambient temperature range of 5°C ~ 43°C
- Internal temperature range of 2°C ~ 8°C.
- Digital solar powered temperature display
- Standard door lock and independent temperature recorder
- Indicator light displaying On or Off status of compressors
- Wide operating voltage range of 172~264 volts

Advanced Blood Bank Refrigerator Models: HXC-1369/629(B)/429/149



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- Reliable temperature performance 4°C ±1°C
- Frequency conversion technology with adaptive control
- Environmentally-friendly and energy efficient HC refrigeration
- NFC swipe card module
- USB interface as standard with remote alarm in real time

Smart Blood Bank Refrigerator Models: HXC-1369T/629T(B)/429T/149T

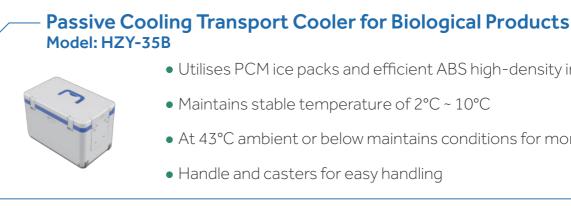


- Smart touchscreen controller with NFC card access and optional fingerprint module
- Reliable temperature performance 4°C ±1°C
- Frequency conversion technology with adaptive control
- Environmentally-friendly and energy efficient HC refrigeration

Active Cooling Transport Cooler for Biological Products Model: HZY-8Z/8ZA/HZY-15Z/15ZA

- For transportation of biological products 2°C ~ 10°C
- Economical and energy-efficient semi-conductor refrigeration
- PCM ice packs and high-density insulation
- Holdover time of more than 2 hours (no power) at 25°C ambient
- GPS positioning, one-button Bluetooth printing and camera





Vehicle-mounted Transport Cooler Models: DW-80WZ15



- Superior uniformity and insulation performance
- Superior noise-reduction design, achieve 45 dB(A) sound level
- Hidden metal handle, safe and durable, easy to carry

Smart IoT Series Biosafety Cabinet Models: HR1200/1800-IIA2-N/HR900-IIA2-N/HR1500-IIA2-N

- ULPA filters, lights
- IoT access management system (optional)
- Intelligent constant air velocity function
- UV lamp service life warning and one-touch timer function
- Optional electrically operated glass door
- Optional surveillance cameras to record the operating status
- Airflow blocking patented technology
- HEPA filter service life warning function
- With CE. NSF and TÜV SÜDMark Certification





NSF

- High-Efficiency Filter HEPA
- 304 Stainless Work Surface
- Ergonomic Design
- Interlocking Function

- Utilises PCM ice packs and efficient ABS high-density insulation
- At 43°C ambient or below maintains conditions for more than 8 hours

• High quality HC high-efficiency compressor, energy saving and envir-onmental friendly

• Dual: SMI pressure sensors, light airflow speed sensors, EBM DC fans,

- Memory Function
- One-key Operation
- Pre-cleaning Function

LN₂ Container Haier Biomedical



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- Passive refrigeration system
- Longer insulation time
- PCM ice pack for cold storage
- High strength aluminum magnesium alloy shell, meeting PI620 pack-aging requirements for class A infectious substances
- Light plastic PP shell, meeting PI650 packaging requirements for class B infectious substances

Biobank Series LN2 Solutions



- Large scale capacity stores up to 94,875×2ml vials
- Vapour phase storage at -190°C prevent crosscontamination
- Supplied with intelligent cryosmart liquid nitrogen system monitoring and control solution
- LN2 splash proof design for safer operation

Smart Series LN₂ Solutions

- 5 models from 2,400 to 6,000 cryovial capacity
- Cloud data storage for traceability
- Low consumption rate and high performance stability
- Durable aluminium construction
- Real time monitor of temperature and fluid level
- New lock design
- 5-year vacuum warranty

Medium Series LN₂ Solutions

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- Heavy duty lockable enclosure
- Compatible with all major cryobox brands
- Liquid or vapour phase option available
- Durable aluminium construction
- Temperature monitoring available
- High thermal efficiency
- Ultra-low evapouration loss
- 5-year vacuum warranty



LN₂ Container & Consumables & Laboratory Equipment

Dryshipper Series LN2 Solutions

- Rugged and durable aluminium construction
- Vapour phase storage
- Straw and cryovial storage options
- No LN₂ spillage
- Lockable lids
- Cryo absorbant
- 3-year vacuum warranty

Self-pressurized Series LN₂ Solutions

- Stainless steel construction
- Integral safety mechanisms
- Labelled valves for easy identification
- Safety valves
- Decant valves
- Pressure raising
- Liquid storage
- Rotary ring construction
- 5-year vacuum warranty

CO₂ Incubator with Dry Heat Sterilization Models: HCP-258/168/80 (Available in 2022)

- Precise temperature control
- IR CO₂ sensor
- 180°C dry heat sterilization technology
- Easy to clean
- Quick recovery after door openings
- Active heat condensation technology
- Intelligent controller

Consumables for ULT Freezer (category)



- SBS (Styreneic Block Copolymers) racked 2d cryogenic vial
- Innovative cryogenic vial
- Conventional cryogenic vial









• Freezer boxes • Freezer racks • PCR consumables

HYC-940

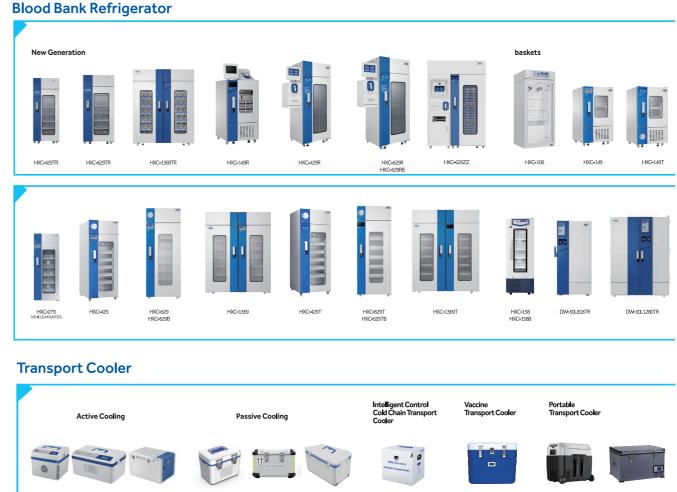
HYC-940F

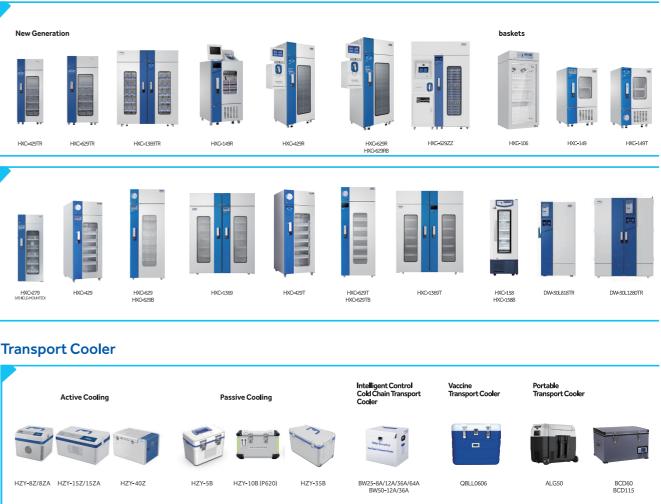
HYC-1378

HYC-68



Product Portfolio





Biological Safety Cabinet and Laminar Flow Cabinet

Biobank Series LN₂ Solutions



Consumables

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HR1200-IIA2-N HR1800-IIA2-N

Smart Series



HYC-68A

HYC-118

HYC-118A

HLR-310FL

Liquid Nitrogen Container

Walk-in Cold Room

