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Note: If a slight difference occurs between pictures and actual products, please refer to actual products. Our company reserves the right of final interpretation of this brochure, please contact us for any further information if required.

Haier Biomedical

Intelligent Protection of Life Science



2021

Product Portfolio

Key Features and Unique Selling Points

Note:



Products with Energy Star Certification.



Products are manufactured with Touch Screen.



Products are manufactured with Hydrocarbon Refrigerant.



-150°C Cryo Freezer
Models: DW-150W209



- Safe, more convenient and economical alternative to LN₂ refrigeration systems
- Adjustable temperature range of -150°C to -130°C
- Environmentally friendly HC refrigerants
- Microprocessor control system with clear LCD display
- Multiple alarms for safety and sample protection

-86°C Frequency Conversion ULT Freezer
Models: DW-86L959BP(T)/829BP(T)/729BP(T)/579BP(T)



- Adaptive control follows user patterns, load and environmental conditions
- Ultra low power consumption
- Precise temperature uniformity of $\pm 3^{\circ}\text{C}$ (setting temperature at -80°C)
- Standard LED (BP) and Touchscreen (BPT) models available
- Optional IoT software system

-86°C TwinCool ULT Freezer
Models: DW-86L828S(T)/728S(T)/578S(T)/418S(T)



- 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 Water-Cooled ULT Freezer
Models: DW-86L959W/828W



- Advanced water-cooled refrigeration system, 90% heat removed by cooling water
- Precise temperature uniformity of $\pm 3^{\circ}\text{C}$ (setting temperature at -80°C)
- Intelligent control system
- 10-inch large LCD capacitive screen
- Multiple alarm protection with USB and remote alarm connectivity
- Single version sample management software (network version is optional)

-86°C Standard Low Energy ULT Freezer with Touchscreen
Models: DW-86L829/729/579/419



- Large clear 10-inch LCD capacitive screen
- Temperature uniformity $\pm 5^{\circ}\text{C}$ (setting temperature at -80°C)
- Equipped with an intelligent temperature monitoring system, real-time temperature data monitoring function and multiple safety alarm system
- Advanced hydrocarbon energy saving refrigeration technology

-86°C Standard Low Energy ULT Freezer
Models: DW-86L828J(A)/728J(A)/628E/486E/578J(A)/490J(A)/388J/338J(A) & DW-86W420J(A)/100J



- Standard low energy models utilising hydrocarbon energy saving refrigeration technology
- Precise temperature uniformity of $\pm 5^{\circ}\text{C}$ (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 requirements, 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

CO₂ Backup System



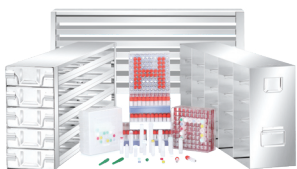
- Provides back-up in event of ULT failure to control cabinet temperature
- User adjustable temperature setting and low CO₂ level alerts
- Small footprint, top mounted design
- Suitable for almost all types of ULT freezer

LN₂ Backup System





- Interlocked design to turn off the LN₂ injection when the door is opened
- Protection circuit to prevent over-charging battery
- Light weight and portable design, suitable for installation on top of a freezer
- Alarm functions to include low battery and sensor error

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



-60°C Biomedical Freezer
Models: DW-60W388/258/138

- 
- -60°C deep freezing
 - Auto-cascade refrigeration technology
 - Energy saving and environmentally friendly refrigeration technology
 - Super quiet high-efficiency compressor
 - Polyurethane and VIP construction
 - Superior thermal insulation performance
 - Optional SMS alarm function, real-time notification of any abnormality



Plasma Blast Freezer
Model: XSD-24FL

- 
- High-efficiency double-stage compressor refrigeration technology
 - -60°C deep freezing (under no-loading condition)
 - Double sided touchable refrigeration method
 - Core temperature cooling down to -30°C within 30 mins
 - Speed regulating fan & electric lifting system
 - Whole process monitor of plasma quick freezing
 - Traceable temperature records
 - Printing and archiving functions
 - Optional 10-inch touch screen




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

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- Large 568L freezer with adjustable shelves and optional freezer racks for plasma bag storage
 - Optimized energy-saving hydrocarbon refrigeration system
 - Super quiet high-efficiency compressor
 - Precise temperature uniformity of $\pm 4^{\circ}\text{C}$ (setting temperature at -40°C)
 - Structural noise reduction design



-40°C Biomedical Freezer
Models: DW-40W380/255/100 & DW-40L508/348 & DW-40L278/262/92

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- Standard biomedical freezers with direct cooling and manual defrost
 - Large selection of sizes and configurations to meet most requirements, from 92L to 508L
 - Reliable temperature control and performance
 - Clear display with multiple alarms



-30°C Forced Air Cooling Biomedical Freezer
Models: DW-30L1280F

- 
- Dual system hydrocarbon refrigeration technology
 - Intelligent defrosting technology safeguards the stability of storage temperatures
 - Precise temperature uniformity of $\pm 3^{\circ}\text{C}$ (setting temperature at -30°C)
 - Low noise design
 - Optional blood basket storage racks to store up to 900 x 200ml blood bags
 - Optional touchscreen



-30°C Biomedical Freezer
Model: DW-30L818BP

- 
- Energy saving with variable speed inverter technology and HC refrigeration
 - Super low energy and low noise design
 - Excellent temperature uniformity of $\pm 3^{\circ}\text{C}$ in a large storage space (setting temperature at -30°C)
 - Adjustable shelves



-30°C Forced Air Cooling Biomedical Freezer
Model: DW-30L420F

- 
- Uniformed forced air circulation & auto defrost
 - Uniformed temperature and high-performance refrigeration
 - Built-in evaporator and adjustable shelving
 - Alarm record query function – high/low and average temperature data
 - USB interface

-30°C Biomedical Freezer
Models: DW-30L818/508/278

- 
- Energy-saving compressor
 - Low power cooling system
 - Precise temperature uniformity of $\pm 4^{\circ}\text{C}$ (setting temperature at -30°C)
 - Environmentally friendly hydrocarbon refrigerant
 - Super silent compressor technology
 - Energy-saving fan

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

- 
- 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

Pharmacy Refrigerator
Models: HYC-940/940F/390/390F/290



- Energy efficient design with inverter compressor technology and environmental-ly-friendly hydrocarbon refrigeration
- Forced air cooling for optimal temperature stability and uniformity $\pm 3^{\circ}\text{C}$ (setting tem-perature at 5°C)
- Optimised internal space design with multi-level adjustable shelves
- LED display with multiple alarms

Pharmacy Refrigerator
Models: HYC-1378/610



- Standard pharmacy refrigerators with forced-air cooling
- Precise temperature uniformity of $\pm 3^{\circ}\text{C}$ (setting temperature at 5°C)
- Microprocessor controller with LED display with multiple alarms
- Condensation-free heated self-closing door

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



- High-efficiency hydrocarbon compressor and refrigerant
- Air cooling, with auto defrost for superior cabinet temperature uniformity
- Small size, fitting easily under the table
- Microprocessor control with LED and multiple-alarms with 8-hour power failure alarm
- Remote alarm terminal

Combined Refrigerator and Freezer
Model: HYCD-469



- Temperature range: $2^{\circ}\text{C} \sim 8^{\circ}\text{C}$ and $-40^{\circ}\text{C} \sim -10^{\circ}\text{C}$
- Microprocessor temperature control accuracy 0.1°C (refrigerator) and 1°C (freezer)
- Separate doors for refrigerator and freezer with independent lock catches
- Multiple alarm functions
- Large LED screen display
- USB port
- Optional printer
- Four casters and two levelling legs

Combined Refrigerator and Freezer
Models: HYCD-282(A)



- 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

Laboratory Refrigerator
Models: HLR-310SF/310FL/118FL/118SF



- Adjustable temperature set point $3 \sim 16^{\circ}\text{C}$
- Precise temperature uniformity of $\pm 3^{\circ}\text{C}$ (setting temperature at 5°C)
- One-click temperature query function
- ATEX rated, certified spark-free

Intelligent Reagent Refrigerator
Models: HYC-509R/390R



- Air cooling, with auto defrost for precise temperature uniformity of $\pm 3^{\circ}\text{C}$ (setting tem-perature at 5°C)
- Web-based reagent management, assist in the process of data collection and analysis, accurate accounting and reporting, one platform can manage multiple equipment units
- Access authority management
- Automatic inventory check and intelligent input/output inventory checks
- Intelligent inventory replenishment function and near expiry early warning
- Interactive and visual IoT management solution

Frequency Conversion Pharmacy Refrigerator
Models: HYC-1099/1099F/509/509F



- Excellent temperature uniformity of $\pm 2^{\circ}\text{C}$ (setting temperature at 5°C)
- Solid or glass door options
- Frequency conversion technology with adaptive control
- Environmentally-friendly and energy efficient HC refrigeration

Frequency Conversion Pharmacy Refrigerator with Touch Screen
Models: HYC-1099T/1099TF/509T/509TF



- Large 7" touchscreen with electromagnetic locks and NFC authority management
- Excellent temperature uniformity of $\pm 2^{\circ}\text{C}$ (setting temperature at 5°C)
- Solid or glass door options
- Frequency conversion technology with adaptive control
- Environmentally-friendly and energy efficient HC refrigeration

Advanced Blood Bank Refrigerator

Models: HXC-1369/629(B)/429/149



- 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

Automated Blood Bank Refrigerator

Models: HXC-629R(B)/429R/149R



- Automatic RFID tag identification
- IoT management of input & output inventory
- Smart touchscreen controller with NFC card access
- Reliable temperature performance 4°C ±1°C
- Frequency conversion technology with adaptive control
- Environmentally-friendly and energy efficient HC refrigeration

Self-Service Blood Distribution with Smart IoT Technology

Model: HXC-629ZZ



- Electronic checking and bar code management
- Safe and reliable, making blood collection process traceable
- Real-time view and control of refrigeration operation

-30°C Plasma Freezer

Models: DW-30L1280TR/DW-30L818TR



- Automatic RFID tag identification
- Multi-compartment storage basket
- Dual cooling systems
- Frost free
- IoT management of input & output inventory
- IoT real-time temperature monitoring

Blood Bank Refrigerator

Model: HXC-106



- Microprocessor control system
- Consistent and reliable temperature control 4±1°C
- Temperature accuracy of 0.1°C
- Multiple fault alarms and safety features

Vehicle-mounted Blood Bank Refrigerator

Model: HXC-279



- High quality DC compressor, for improved stability during vehicle transportation
- Ultra-long holdover, superior thermal insulation
- High-efficiency rapid refrigeration
- Standard USB interface, it can store 10-years of temperature data
- 5 inner doors to reduce rapid cold air loss

Plasma Apheresis System

Model: XJ-III



- Intelligent identification, safe and effective error prevention system
- The whole process can be automatically monitored and managed
- Large color touch screen, easy to operate
- Small footprint, movable and easy to use
- Optimized system and structural noise reduction design, low operating noise

Active Cooling Logistics Cold Chain Transport Cooler

Model: HZY-40Z



- DC frequency conversion technology
- Tilt protection function
- Integrated rotational molding body
- Multiple power supply
- Supporting AC & DC power

Intelligent Control Cold Chain Transport Cooler

Models: BW25-8A/12A/18A/36A/64A;BW50-12A/36A



- Manufactured with vacuum insulation panel insulation technology, stable performance
- Light weight with inlaid clasp, easy to carry
- Smart IoT, check the insulation status at any time (Optional)

Active Cooling Transport Cooler for Biological Products

Models: HZY-15Z/8Z



- For transportation of biological products 2°C ~ 10°C
- Economical and energy-efficient semi-conductor refrigeration
- Utilises PCM ice packs and high-density insulation
- At 25°C ambient or below maintains conditions for more than 2 hours (no power)
- 12V DC power supply

Active Cooling Transport Cooler for Biological Products

Model: HZY-8ZA



- For transportation of biological products 2°C ~ 10°C
- Economical and energy-efficient semi-conductor refrigeration
- Utilises PCM ice packs and high-density insulation
- At 25°C ambient or below maintains conditions for more than 2 hours (no power)
- 12V DC power supply
- Includes GPS positioning, one-button bluetooth printing and camera

Active Cooling Transport Cooler for Biological Products

Model: HZY-15ZA



- GPS positioning, one-button bluetooth printing, NFC access and camera
- For transportation of biological products 2°C ~ 10°C
- Economical and energy-efficient semi-conductor refrigeration
- Utilises PCM ice packs and high-density insulation
- At 25°C ambient or below maintains conditions for more than 2 hours (no power)
- Includes IoT enabled for real-time temperature data information and tracking

Passive Cooling Transport Cooler for Biological Products

Model: HZY-35B



- Utilises PCM ice packs and efficient ABS high-density insulation
- Maintains stable temperature of 2°C ~ 10°C
- At 43°C ambient or below maintains conditions for more than 8 hours
- Handle and casters for easy handling

Passive Cooling Transport Cooler for Biological Products

Model: HZY-5B



- Utilises PCM ice packs for cold chain transportation of blood and other biological products
- Efficient ABS high-density insulation
- Maintains stable temperature of 2°C ~ 10°C
- At 25°C ambient or below maintains conditions for more than 4 hours
- Access control integrated management software
- IoT enabled for real-time temperature data information and tracking

Active Cooling Transport Cooler for Infectious Materials

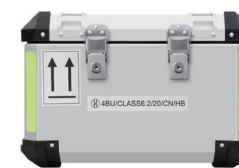
Models: HZY-15Z/8Z (Specimen)



- Semiconductor active refrigeration
- 2~6°C accurate temperature controlling
- Embedded PCM ice pack at 4°C for cold storage
- Under 25°C no-load condition, the air temperature in the box rising to 10°C takes more than 1 hour
- Under 25°C loading, the air temperature in the box rising to 10°C takes more than 2 hours
- Multiple fault alarms
- Vehicle power plug
- Supporting AC & DC power

Passive Cooling Transport Cooler for Infectious Materials

Models: HZY-10B (P620/650)



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

Vaccine Transport Cooler

Models: QBLL0606/QBLL0812/QBLL0820/QBLL0830



- 2-8°C precise temperature control, suitable for vaccine cold chain transportation
- High strength medical plastic and non-fluorinated polyurethane foaming insulation material ensure durable and superior temperature insulation performance
- Easy to carry with shoulder strap

Vehicle-mounted Transport Cooler

Models: DW-80WZ15



- High quality HC high-efficiency compressor, energy saving and environmental friendly
- 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 Vaccine Refrigerator

Models: HYC-361/61



- Solutions for both vaccine preservation (stock) or vaccine administration (point of care)
- IoT enabled with integrated VIMS (vaccine information management system)
- Streamline and automate vaccine delivery to improve efficiencies and eliminate errors.
- Complete end-to-end information and data on vaccine from warehouse to patient.
- The vaccination records will be uploaded in real-time to the system. Records are traceable, making it possible to trace a specific vaccine code back to a specific person.

Solar Direct Drive (SDD) Vaccine Refrigerator

Models: HTCD-160/90 & HTC-240/120/112/110/40 & HTD-40



- CFC-free high-density foam insulation
- Dual independent refrigerating and freezing systems
- Solar power supply and high-power solar panel
- Thickened alumina liner and cabinet structure design
- 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

Ice-lined Vaccine Refrigerator

Models: HBC-240/120 & HBCD-90 & HBC-260/150/80



- 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

Icepack Freezer

Models: HBD-286/116



- Optimized refrigeration system
- Internal temperature range of -15°C ~ -25°C
- CFC-free high-density foam insulation
- Electronic temperature controller with digital display
- Safety lock avoiding unauthorized access
- Easy to clean stainless-steel interior
- Various sizes of storage baskets
- Easy to clean drainage port

Laboratory Equipment

Standard Dual HEPA Biosafety Cabinet

Models: HR 1200-IIA2-D (70% circulation and 30% exhaust)



- Dual: exhaust filters, DC ECM fans
- Intelligent constant air velocity system
- Superior filtering effects 99.995% for 0.3µm particles
- Double sided glass construction design
- Front window stainless steel shelf design for safe operation
- Ergonomic 10 degrees tilt design
- Split work surface
- Adjustable work bench height
- With CE and TÜV SÜD Mark Certification

Standard Single HEPA Biosafety Cabinet

Models: HR 1200-IIA2-S (70% circulation and 30% exhaust)



- Dual: air velocity sensors, DC ECM fans
- Intelligent constant air velocity system
- AAF high efficiency particulate air filter (HEPA)
- Superior filtering effects 99.995% for 0.3µm particles
- Double sided glass construction design
- Front window stainless steel shelf design for safe operation
- Ergonomic 10 degrees tilt design
- Split work surface
- Adjustable work bench height
- With CE and TÜV SÜD Mark Certification

Standard Dual HEPA Biosafety Cabinet

Models: HR 1500-IIA2/HR 1200-IIA2/HR 900-IIA2 (70% circulation and 30% exhaust)



- Ultra-efficient air filter (ULPA)
- Intelligent constant air velocity system
- Superior filtering effects 99.9995% for 0.12µm particles
- UV lamp sterilization timed startup
- Interlocking of UV lamps, the fan, the glass doors and the LED lamp
- LCD display screen
- Sound and light alarm function
- Ergonomic 10 degrees tilt design
- Adjustable work bench height
- With CE and TÜV SÜD Mark Certification

Classic Series Biosafety Cabinet

Models: HR 40-IIA2 (70% circulation and 30% exhaust)



- Ultra-efficient air filter (ULPA)
- Superior filtering effects 99.9995% for 0.12µm particles
- Volute forward centrifugal fan
- UV lamp sterilization timed startup
- Interlocking of UV lamps, the fan, the glass doors and the LED lamp
- Sound and light alarm function
- Ergonomic 10 degrees tilt design
- Adjustable work bench height
- With CE and TÜV SÜD Mark Certification

Classic Series Biosafety Cabinet

Models: HR 40-IIB2 (100% exhaust)



- Ultra-efficient air filter (ULPA)
- Superior filtering effects 99.9995% for 0.12µm particles
- Volute forward centrifugal fan
- UV lamp sterilization timed startup
- Interlocking of UV lamps, the fan, the glass doors and the LED lamp
- Front window stainless steel shelf design for safe operation
- Sound and light alarm function
- Ergonomic 10 degrees tilt design
- Adjustable work bench height
- With CE and TÜV SÜD Mark Certification

Smart IoT Series Biosafety Cabinet

Models: HR1800-IIA2-X/HR1500-IIA2-X/HR1200-IIA2-X



- Dual: SMI pressure sensors, light airflow speed sensors, EBM DC fans, 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 and TÜV SÜD Mark Certification

Clean Bench

Models: HCB-1300V/900V/1600H/1300H



- Class 5 | ISO14644.1 Standard for Air Cleanliness
- High efficiency particulate air filters (HEPA)
- Superior filtration efficiency of 99.99% or above for particles of 0.3µm or above
- Pre-cleaning function cleans working area before users start
- One-touch UV lamp operation with start delay for safety
- Built-in light to reduce eye strain
- UV and light intelligent interlock function for additional safety

CO₂ Incubator with Dry Heat Sterilization

Models: HCP-258/168/80



- 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

Constant Climate Standard Incubator

Models: HZP-168/HFP-80



- Superior four-sided direct heating technology with an innovative air duct structure, achieve precise temperature control
- Multiple safety protection features, safe and stable
- High thermal insulation performance, energy saving and environmental protection
- Rapid recovery after door open
- Optional IoT technology for real-time remote monitoring

High-pressure Steam Sterilizer

Model: HRLM-80



- One-click automatic program control
- Automatic drying function
- Multiple exhaust methods for effective sterilization
- One-button quick start programs for instruments, dressings, rubber and liquids
- Supporting fast pressure relief and slow pressure relief
- Sterilizer heating process and preheating control functions
- Timer preset start function

Constant Climate Dry Chamber

Models: HZS-60/HFS-160



- Superior pre-heating technology with an innovative air duct structure, achieve precise temperature control
- Multiple safety protection features, safe and stable
- High thermal insulation performance, energy saving and environmental protection
- Rapid recovery after door open
- Optional IoT technology for real-time remote monitoring

Constant Climate Chamber

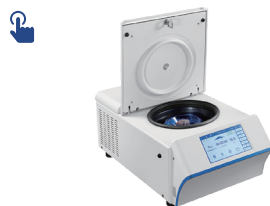
Models: HHS-756/506/256



- Accurate temperature and humidity control
- 40°C temperature uniformity of ±0.5°C
- Central temperature fluctuation of ±0.2°C
- 75% humidity fluctuation ±1%
- Energy-saving semiconductor technology
- Intelligent control of PTC humidification
- Low daily water consumption
- No need to recycle waste water, save space
- Low vibration and noise

Desktop High-speed Refrigerated Microcentrifuge

Models: LX-165T2R



- Auto-ID instant rotor identification and rotor service life statistics
- Precise temperature control and ultra-fast refrigeration
- Precise balance detection
- Smart lid lock and USB interface
- Large smart screen controller provides an interactive interface which is easy to operate even in gloves

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



- 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 evaporation loss
- 5-year vacuum warranty

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

Low Temperature Transport Trolley



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

Smart Mobile Clinic Inoculation Solution



- Improved and convenient vaccination services
- Improved the access to immunization services
- Promote and improve the equity in immunization services
- Guarantee the accuracy and immediate reporting of data and information remotely

Intelligent Vaccination Shelter



- Mobile vaccination shelter, rapid deployment and ready-to-use
- Long holdover time after power off, safe vaccination storage
- Equipped with air purification sterilizer and ultraviolet disinfection, the cabin environment is safer
- Independent monitoring of each operation area to achieve real-time supervision and inspection of the whole process of vaccination
- Shelter footprint is small, transportable, can be deployed rapidly

Smart Autonomous Disinfection Units

Models: HBOT11A/WBOT11U



- Scheduled disinfection tasks
- Autonomous obstacle avoidance and autonomous navigational system
- Automatic return to charging station
- User remote deployment

P2+ Mobile Nucleic Acid Testing Vehicle



- Standard multi-independent functionally designed areas
- Long distance travel range
- Strong emergency response and react capability
- Visible intelligent control system
- Ultra-clean air purification system

Air Purification Sterilizer
Model: YKJX-Y500



- Ultra-effective, triple-action disinfection - plasma, UV plus titanium dioxide photocatalyst and nano-silver ion filtration
- Kills up to > 99.9% of viruses and bacteria within air
- Negative-ion generator for clean fresh air

Oxygen Concentrator
Models: CP801/502/303/101



- High quality compressor
- Durable and efficient molecular sieve
- Oxygen concentration above 90%
- Settable oxygen absorption time
- High-performance solenoid valve
- Safe and odorless Dow Corning silicone tube

Infrared Thermometer
Models: AET-R1B1/UFR106



- Highly sensitive infrared probe
- Supporting noncontact measurement within one or two seconds
- LED digital display
- One-unit multi-purpose
- Human body & general environment modes
- Comfortable to hold

Blood Pressure Monitor
Models: BSX583/U80H/B15



- One-button start
- Low-noise design
- Memory storage
- ABS Material +LCD big screen display
- WHO Standards

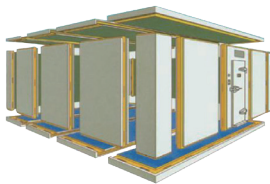
Cold Room

Mono Block Unit Cold Room



- Constant temperature of 2 ~ 8°C (or -15 ~ -25°C)
- All-in-one design of refrigeration system
- German EBM evaporation fan
- Electric or hot gas defrosting

Cold Room with Split Unit



- High resolution temperature and humidity recorder
- Sound & light alarm lamp
- Advanced SMS alarm system
- High efficiency indoor air cooler
- Polyurethane board thickness: 100mm
- Standard room size: 800mm*1800mm.
- High-quality refrigeration compressor unit

Solar Direct Drive Cold Room



- Solar photovoltaic power generation system
- Solar direct drive compressor without battery
- PLC intelligent control
- Wide operating ambient temperature range of 5-43°C
- Optional 48V switching power supply
- Supporting single phase 110-220V AC power supply
- Superior insulation performance

Temperature Data Logger



- Lora wireless ad hoc network communication technology, strong adaptability
- Smart gateway with backup battery, supports data breakpoint with continued transmission
- Powered by battery, and the working time is more than one year
- Real time display of measurement data
- Can achieve the monitoring of cold room door, warehouse door and other door body open-close usage activity
- Can monitor whether the power supply of the public grid is at normal capacity