Haier
Inspired living

Haier Medical and Laboratory Products Co.,Ltd.

ECO LIFE

Leading Solution to Life Science

SMARTER LIFE BETTER PLANET

Leading Solution to Life Science

Established in 1998 with a registered capital of RMB130million, Haier Medical and Laboratory Products Co., Ltd is affiliated to Haier Group in Qingdao, China. We have been focusing on and specializing to be the global manufacturer of medical low temperature equipments, infection control equipments, scientific equipments and laboratory equipments. We can also provide the excellent product services in the bio-scientific field.

We have a large variety of professional products covering the cold-chain storage equipments (including blood refrigerator, blood transportation box, pharmaceutical refrigerator, vaccine refrigerator, deep freezer, ultra low temperature freezer and -150°C cryo freezer, etc), infection control equipments (including medical washer-disinfector, low temperature plasma sterilizer and pulse vacuum sterilizer), scientific and laboratory equipments (including biological safety cabinet, etc), wireless monitoring and management system (including the system for blood storage management, the specimen storage management, and wireless monitoring of the storage temperature, etc)

The company successfully presided the draft national standards for Low Temperature Refrigerator "GB/T20154-2006" and Blood Bank Refrigerator "GB/T 21278-2007", industrial standard for Pharmacy Refrigerator "YY/T0086-2007" and standard for Biological Sample Bank. All those standards have promulgated and implemented.

In August 2008, 100 units of Haier -86C ULT freezer provided professional service to China Red Cross association hematopoietic stem cell library (The CDMP Data Bank) for protecting more than 100 million specimens of hematopoietic stem cells worldwide from Chinese Volunteers.

In October 2008, Haier -86C ULT freezer was awarded "China 10 years of high technology industrialization achievement" by the National Development and Reform Commission.

In November 2008, 5 types of products, covering 36 models from Haier Medical are selected into "Self-Innovation" catalogue, and those products will be purchased preferentially in national fiscal purchasing program including government procurement, major national project etc.

In March 2009, Haier Medical signed the contract with VWR International LLC, a worldwide well-known company in biological scientific research field, and entered into American market successfully.

In July 2009, Haier Medical successfully won the bid for 1,000 units of Blood Transportation Box for 1st phase project from UNOPS (UN India Project Service Center).

In October 2009, Blood Bank Refrigerator obtained European medical instrument authentication MDD certificate, indicating Haier Medical entering into a new stage no matter in management system but also in product quality.

In November 2009, Haier vaccine refrigerator successfully got the certification from WHO/PQS, and joined WHO (World Health Organization) purchasing directory.
In May 2010, Haier Medical successfully won the bid for 20,930 units of vaccine refrigerator from UNOPS (United Nations Program India Purchasing Agency).
In July 2010, Blood Transportation Box gained the MDD certificate.
In October 2010, Haier Medical successfully developed a blood management information system according to Two Rules in Blood Station.
In November 2010, Haier Medical established the business relationship with Sakura from Japan as the exclusive strategic partner in China, aiming at providing infection control solutions in international level to domestic users.
On Jan.31st 2011, Haier Medical signed a long term purchase agreement for iced-lined refrigerators with UNICEF and became a long-term supplier for UNICEF.
From February 2011, the standard of bio-bank draft by Haier Medical has been released for commissioning.
At present, products from Haier Medical have been widely used in the blood and drug store, biological engineering, medical research, medical clinical and anti-epidemic, agriculture, animal husbandry, etc. Customers include Beijing University, Tsinghua University, Fudan University, over 100 universities, Chinese Academy of Sciences, Microbial Institute, Chinese Academy of Sciences of Genetics and developmental biology research institute, plant genomics state key laboratory for represent numerous scientific research institution, the Chinese people's liberation army general hospital, Beijing union medical college hospital, the capital university of medical sciences affiliated hospital of Beijing You An, over 500 three level of first-class hospital and Beijing Red Cross blood center, over 500 blood stations, Haier Medical provides customized solution to various users to meet their demands.
Our company is certified to ISO9001 quality system, ISO14001 environment protection system, ISO13485: 2003 quality system etc. Our products have obtained "Medical Device Registration License of People's Republic of China " from the National and State food and drug administration (SFDA) respectively.
Haier Medical has been insisting the creative spirit of developing itself and specializing in high quality, customized products and service. We will take the spirit of "Create Resources and Worldwide Prestige" and develop our national brand with the goal of providing the tools and solutions to the bio-medical and scientific field.

Our Brand, And Our Life.

1,000,000 Chinese volunteers' hemopoietic stem cell (HSC) samples have been stored in Haier -86°C ULT Freezer. 1,100 leukemia patients have found their matches.

————Data from CMDP

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02

Haier supplied 100 sets -86°C ULT Freezer to CMDP, equipped with wireless monitoring system to secure the blood samples. So far 1,100 leukemia patients have found their matches in these HSC samples.

CMDP sample bank is the first Chinese marrow bank in the world with over 100 units of ULT freezers in unique project, which verified the strength of Haier medical in such a big project.

On the innovation basis, Haier ULT freezers surpassed international brands on some key index, energy efficiency and wireless monitoring system, reaching the new level in ULT freezer. Store the Chinese life with our own brand.

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01
Product Solution

Cold-Chain Equipment Monitoring And Control System

Wireless Monitor, the 3rd cold chain products monitoring method in the world, after Audible & Visible Monitor and Wired Monitor

Advantage

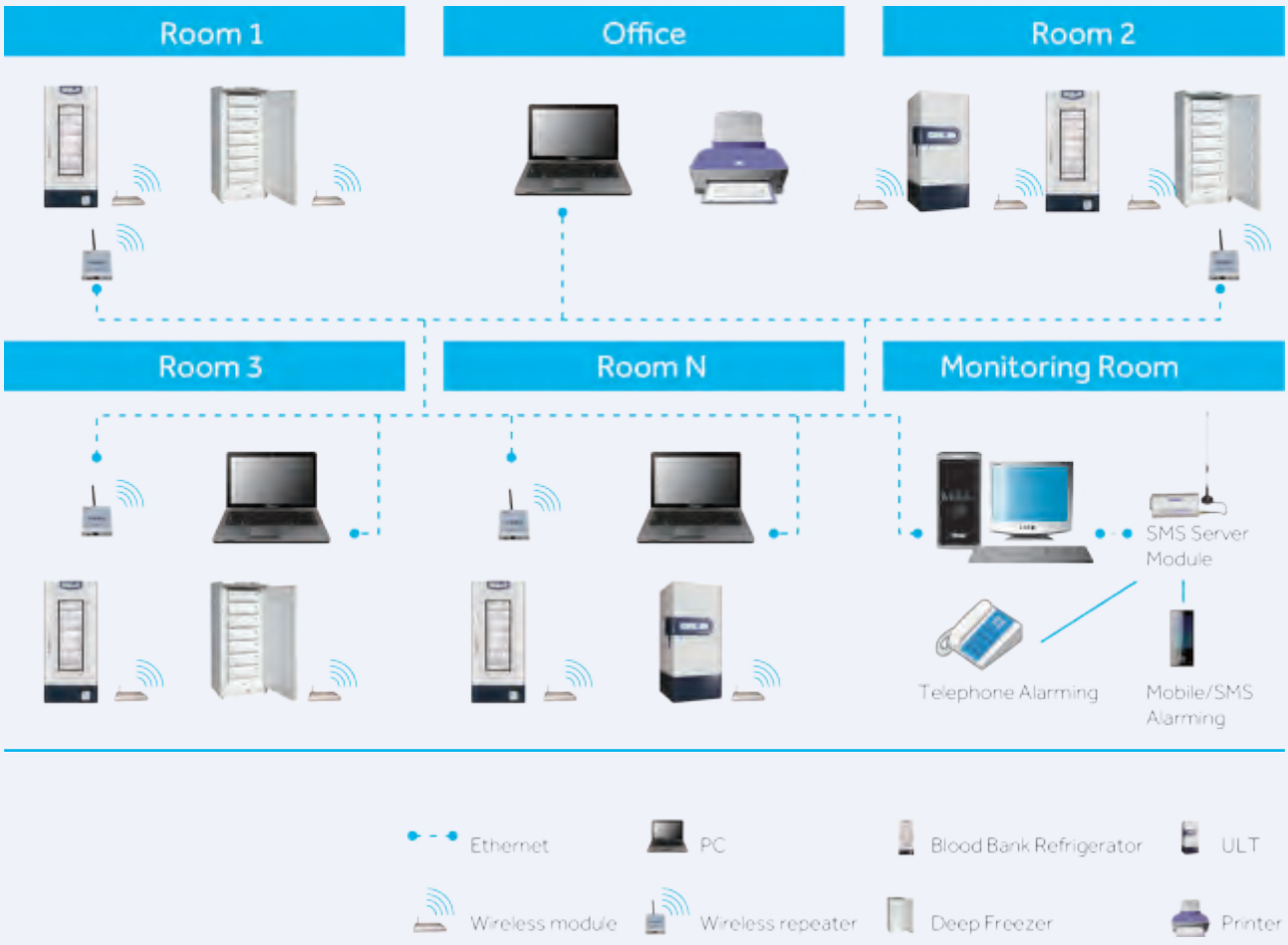
- Easy for installation: wireless monitoring, without knob and tube wiring trouble.
- No interference: specified frequency to avoid interference.
- High Precision: error measurement ±1°C

System Feature

- Installation: wireless monitoring, without knob and tube wiring trouble.
- Safe and reliable: monitoring the temperature 24hours per day with over temperature alarm system.
- Abundant function: checking the historical or real-time data through journal sheets or graphs.
- Network design: independent and unified management joint together.
- Wide climatic range: -200°C~+150°C

Chief Index

- Monitoring ways: wireless monitoring
- Temperature measurement range: -200°C~+150°C
- Error measurement: ±1°C
- Velocity of collection: adjustable
- Time recording: depends on the computer's internal storage capacity, usually more than 10 years.
- Monitoring capacity: 65535 units



Button Intelligent Temperature Chip

Usage

Tough and small

- Stainless steel shell, which work in the indoor and outdoor environment of bad, water and chemical resistant.
- Button design, small and convenient.

Record and alarm

- 24 hour recording of the temperature, Error measurement ±0.5°C, EN12830 European standard conformity. Alarming temperature can be set as required.

Automatically data analysis and saving

- Automatically saving of the data by analysis of the software

Ergonomic design

- Handhold design, easy to take. Internal lithium battery, no need external power, more than 10 years service life.

Function

- Recognize and get information by momentary contact. Stainless steel shell with registered number, can be used in tough environment.
- Temperature measurement range: -40°C~+85°C, error measurement ±0.5°C.
- Working humidity: 0~100%RH, waterproofness pass 3 ATM requirements. Can be put in water or ice.
- Data storage capacity: 2048 temperature data, data transit by 1-wire agreement, speed 125kbps.
- Recording sample interval: 1~255 minutes adjustable, internal lithium battery, no need external power, more than 10 years service life.
- Analysis software: software can sort and choose data, multi-functionality of display graph and list and print data.

Standard Accessory

- Haier temperature chip control system software: 1 set.
- Adaptor: 1 set.
- Download seat: 1 set
- Intelligent temperature chip: 4 sets

Index:

- Temperature measurement range: -40°C~+85°C
- Recording sample interval: 1~255 minutes
- Error measurement ±0.5°C
- Original data: can be covered, unchangeable.
- Humidity: 0~100%RH
- Battery: lithium battery, self-charge.
- Temperature resolution: 0.5 °C
- Service life: more than 10 years without maintainance.
- Data storage capacity: 2048 temperature data.
- Alarm: over/Low temperature alarm.
- Record: rewritable, can stop recording. Read and print data by upper computer.
- Software: computer software copyright certificate.

Intelligent Temperature Recorder

Usage

- Sensor + SIM card, remote monitoring. The sensor can be inserted to cold room, blood collecting vehicle, transportation vehicle, mobile equipment or central server to detect temperature.
- The recorder can display and store alarm, make report analysis and print the data by software.

Flash Design, Quick Storage

- Data can be saved in flash, automatically transfered to memory before flash plugged. Automatically read the data which was stored before flash plugged. Data can be stored and printed separately.

Ergonomic design

- Big LCD screen, showing temperature and functions.
- Alternate battery installed.
- Alarm indication: SMS alarm, buzzing alarm, flashing alarm.

Function

- Temperature measurement range -200°C~+120°C. Can be inserted to cold room, blood collecting vehicle, transportation vehicle, mobile equipment or central server to detect temperature. Error measurement ±1°C.Temperature can be shown on LCD.
- SIM card can be inserted to send the temperature to server by SMS. Then the server will read the data and send to the computer, saved and displayed in the monitoring software.
- Temperature data can be saved in flash, automatically transfered to memory before flash plugged. Automatically read the data which was stored before flash plugged. Data can be stored and printed separately.
- Backup battery: Backup battery works during power failure. Stop charging when fully charged.
- Alarm: SMS alarm, buzzing alarm. "Beep" every 10 seconds and send alarm message to the users.

Standard Accessory

- Haier temperature recorder analysis software: 1 set.
- Haier temperature recorder: 1 set.
- Adaptor: 1 set.
- Sensor: 1 set.
- Serial Port Line: 1 set
- Flash: 1 set
- Antenna: 1 set

Index

- Temperature range: -200°C~+120°C
- Ambient temperature: -8°C~+53°C
- Humidity: 5~85% RH
- Temperature resolution: 0.1 °C
- Flash record sampling interval: adjustable 60~65535 seconds.
- Alarm and report interval: adjustable 60~65535 seconds.
- Original data: can be covered and deleted, unchangeable.
- Power supply: adaptor, internal lithium battery.
- Data storage capacity: external flash 2G, internal 1 Mbit storage memory.
- Certificate: certificate of Qingdao Measure and Testing Institution.
- Certificate of China Quantitative Science Institution
- Alarm: buzzing, LCD display, SMS.
- Data record: by memory and flash. Can be printed and saved by EXCEL.
- SMS function: SMS search, send to cold chain monitoring system. Charging alert, power failure alert, memory full alert.

Specimen Storage Informationization Solution

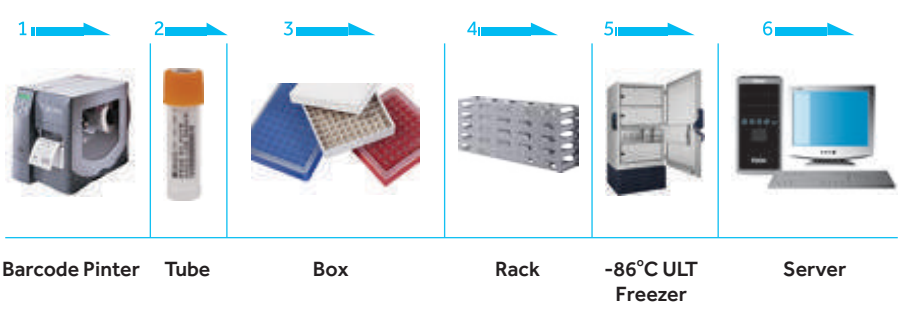
In the recent years, as the development of life science industry, the number of specimen needing freeze storage has increased a lot. How to maximize storage and manage specimen has been a problem. As a professional supplier of cold chain products, Haier Medical offers and supports specimen storage informationizationed solution.

Problem	Solution
Specimen bundled with plastic bags, hard to classify.	Rack + Box + Code management, informationizationed storage, maximize utilization.
Hard to find specimen.	Graphic storage, easy to find specimen.
No record of sample freeze/melt.	Keep record of all the usage information of each sample.
Numbering not clear to find sample files.	Code scanned, easy to avail sample information.
Specimen validity cannot be controlled.	Expire alarm, to use the specimen more efficiently.
Specimen stored in bad environment	Remote monitoring the storage environment.

Problem Analysis
Specimen Storage Management Informationizationed Solution.

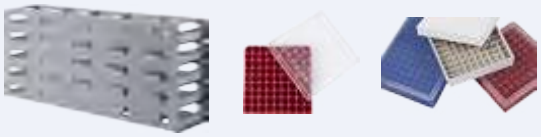
1	Space utilization	Use small freezers, standard racks and boxes
2	Unified sample number	Use low temperature resistant lable
3	Record, search and report	Easy to record, search and report
4	Software management	Account can be allocated by software for different authority

- Specimen storage informationizationed solution, manage tubes, boxes, racks and freezers. Easy to manage all the sample information



- Tubes: 1.5ml, 2ml tubes and others

- Vertical rack for keeping 2 inch height standard boxes



- Vertical rack for keeping 96 holes microtitration plate

- Horizontal racks for keeping 2 inch height standard boxes

Code Scanner

Perfect combine of excellence, tolerance, comfort and port selection, working stably for many years.
High performance, deep and fast reading ability, and tolerance can be applicable in all occasion.
Comfortable human engineering design, make it more efficient.
Tolerance: With firm structure and tolerant absorber, abrasion resistant mobile parts, most tough scanner.

Industrial Code Printer

- Printing model: Heat printing.
- Code printer resolution:300dpi
- Print width: 104mm
- Maximum print length: 3988mm
- Lable width: 25~114mm.
- Lable thickness: 0.058~0.254mm
- Carbon belt length: 450000mm
- Carbon belt width: 51~110mm

- Memory: 4MB
- Interface type: RS-232C serial interface, IEEE 1284 parallel interface.
- Character set: 39 code, UPC-A, UPC-39 code, UPC-A, UPC-E, Cross 25E, Cross 25 code, 128 code, EAN-8, EAN-13, HIBC, Codabar, Plessey, UPC2 (5 position additional code), 93 code, Postnet, UCC/EAN128, Telepan, UPS Maxicode, FIM, PDF 417, USD-8, DataMatrix, QR code, TLC39, MicroPDF417, RSS IBM Code Page.850.

Product Model	Model	Dimension (W*D*H)	Rack Quantity	Box Quantity	Sample Quantity
DW-86L628	2 inch stainless steel rack 4*4	138*544*234	20	320	25920
	2 inch stainless steel drawer rack 4*4	140*554*236	20	320	25920
	3 inch stainless steel rack 3*4	138*544*260	20	240	19440
	3 inch stainless steel drawer rack 3*4	140*554*261	20	240	19440
DW-86L728	2 inch stainless steel rack 5*4	138*544*287	24	480	38880
	2 inch stainless steel drawer rack 5*4	140*554*289	24	480	38880
	3 inch stainless steel rack 3*4	138*544*260	24	288	23328
	3 inch stainless steel drawer rack 3*4	140*554*261	24	288	23328
DW-86L828	2 inch stainless steel rack 5*5	138*680*287	24	600	48600
	2 inch stainless steel drawer rack 5*5	140*688*289	24	600	48600
	3 inch stainless steel rack 3*5	138*680*260	24	360	29160
	3 inch stainless steel drawer rack 3*5	140*690*261	24	360	29160

Calculated based on 9*9 box

02 Medical Cryogenic Cold Chain Equipment

-150°C
Cryo Freezer

-150°C Cryo Freezer

-150°C Cryo freezer, developed by Haier Medical and Laboratory, which is the third company in the world to have the -150°C cryogenic refrigeration technology, is more safe, convenient and economic than LN_2 storage system. This freezer by Haier Medical and Laboratory has been industrialized in domestic market and is in the lead of the world.
This product is developed for storage of virus, erythrocytes, leukocytes, cutis, skeleton, sperm, biological products, oceanic products, electronic products and experiment of special materials. It is applicable in blood banks, hospitals, epidemic prevention services, research institutes, laboratories and biological engineering institutes etc.

● Temperature Control

- Microprocessor control; Digital display with an increment of 1°C; cabinet temperature is adjustable within -126°C~-150°C with the large LED display; the temperature display window is paralleling with the eyes, clear and easy view

● Safety Control System

- Malfunction alarms: temperature exceeding the set range, power failure, sensor error, voltage exceeding the range, condenser under efficiency, ambient temperature exceeding the range
- Alarm Indications(Audible and visible): buzzer, flashing lights
- Multiple Protection Function: password protection, start-up delay protection, voltage protection in case of low or high voltage
- All separate parts are safely connected to earth

● Refrigeration System

- Optimized cascade refrigeration technology, Danfoss compressor to reach a high-efficient refrigeration effect
- The evaporator designing from upper to lower supports an effective flow of refrigerant
- Dual fans high efficiency condensation system; the fan blade designed by the air dynamics
- Cleanable filter screen on the condenser insures high refrigeration efficiency, and can be demounted without any tools

● Ergonomic Design

- Large LED display, easy view and clear
- Heavy duty lockable caster
- Broad climate tolerance, applicable within an ambient temperature range of 10°C~30°C
- LN_2 back-up system is adaptable to this type, for an urgent use and protect the stored materials (need to order separately)
- Temperature recorder is optional, for temperature record in special situations (need to order separately)
- Intelligent monitor device is optional, realizing data record and monitoring through computer, and remote monitor on condenser's on/off status
- Intelligent condenser design to save energy
- Monitor system through internet, remote alarm system
- Recorder and storage box, mobile phone short message alarm, control function are optional
- Short message sending to the user
- The cabinet temperature, high and low temperature alarm can be set by SMS

LN_2 Backup System (-196°C)

Cryo Freezer (-140°C)

DW-150W200

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Inner door
380/50	2800	-126~-150	200	315/385	12/2

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	1570	667	1716	20'/40'/40'H
D	850	462	985	
H	1060	650	1198	6/13/13

Model	Dimension(L*D*H)	Rack Quantity	Box Quantity	Sample Quantity
Vertical Rack	142*138*633	12	120	10692

Calculated based on 9*9 box

-86°C
ULT Freezer

Safety, Consistency And Reliability; Leading In The World And Recommended By China Marrow Donor Program

This product is specially designed and manufactured for long time storage of various biological products, including viruses, germs, erythrocytes, leucocytes and cutis. Applications can be found in blood banks, hospitals, epidemic prevention services, and research institutes, laboratories in electronic and chemical plants, biological engineering institutes and marine fishery companies.

● Temperature Control

- Microprocessor control, digital display with an increment of 1°C, cabinet temperature is adjustable in a range of -40°C~-86°C

● Safety Control System

- Malfunction alarms: temperature exceeding the set range, power failure, sensor error, voltage exceeding the range, condenser under efficiency, ambient temperature exceeding the range
- Alarm Indications (Audible and visible): buzzer, flashing light
- Multiple protection function: password protection, start-up delay protection, voltage protection in case of low or high voltage
- All separate parts are safely connected to ground

● Refrigeration System

- Optimized cascade refrigeration technology, Danfoss compressor, a high-efficient refrigeration effect
- High density and effective heat insulation
- Unique patented sealing design working together with heat retardant system keeps the cabinet from frosting
- Specially designed low-temperature grade computer controlling system avoids the common errors happened to the low-temperature grade compressor

● Ergonomic Design

- LED display for easy observation of cabinet temperature, set temperature, ambient temperature, input voltage, alarming temperature setting value and early warning for malfunctions
- Adjustable multi-level shelf for easy operation
- Safe door lock to prevent the unauthorized opening
- Broad climate tolerance, applicable within an ambient temperature range of 10°C~32°C
- Innovative integrated door handle and lock; compacted casters; flexible and easy operation
- Intelligent condenser design to save energy
- Remote alarm through internet, and advanced function of voltage redeem in case of high/low voltage
- Storage boxes are optional

● Vacuum Insulation Panel Technology

- The advanced heat insulation technology uses the latest vacuum insulated panel material to guarantee the sealing and to pump out the air between the insulation layers so as to minimize the heat conduction rate by optimizing the heat conduction, heat convection and heat radiation. The VIP get the better heat insulation effect and results in 30% more interior storage volume but without increasing the dimension the cabinet

● Optional Intelligent Wireless Temperature Recorder

- Send the alarming information to the user by short message
- Check the real time temperature and high and low temperature alarming value by short message
- To set the cabinet temperature and alarming temperature value by the short message
- Remote monitoring of the machine at any time

● Optional parts

Stainless steel rack

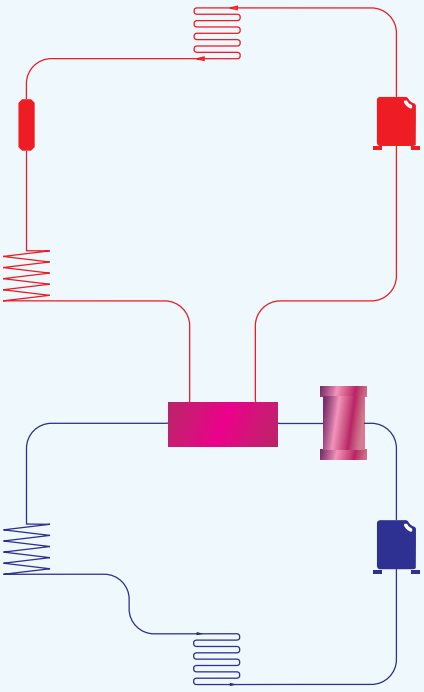
CO_2 and LN_2 back up system

Storage box

Temperature recorder

Intelligent wireless temperature recorder

Heat exchange circulation system of ultra low temperature freezer



Filter
- Filter for refrigerant to protect system from the water and other entering

Capillary for high stage
- High temperature refrigerants flow into the evaporator from the Capillary

Capillary for low stage
- Low temperature refrigerants flow into the evaporator from the Capillary

High stage condenser
- Condenser in big square to emit the system heat quickly

Low stage Evaporator
- The close contact design between the evaporating tube and the inner cabinet increases the heat conducting efficiency

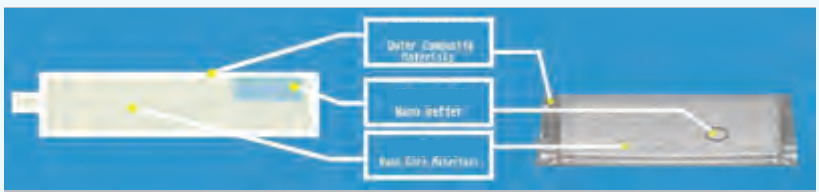
Ultra low noise Danfoss compressor
- Danfoss compressor to provide the ultra low noise and high and reliable performance
- Special formula lubricant to keep the chemical stable under both high and low temperature so as to make the compressor to have a longer life by running parts lubriciously

Heat exchange system
- Heat exchange between the high and low temperature stage in the system

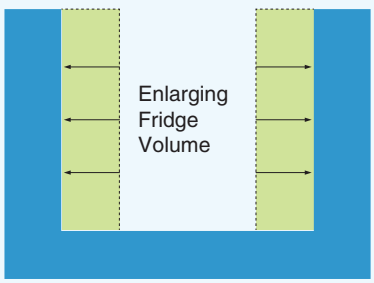
American Temprite oil separator
- American Temprite oil separator can effectively separate oil and water so as to improve the refrigeration performance

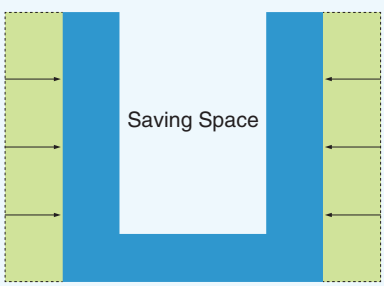
Vacuum Insulation Panel technology

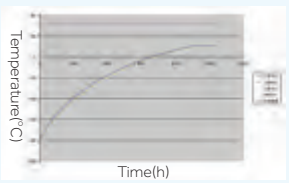
- The vacuum design minimized heat convection and heat conductivity
- The vacuum in the micropore minimize the heat convection
- Superior adiabaticity
- Space saving
- Flame retardant and safe
- Environment-friendly and nanophase materials
- Increase the storage volume and energy saving; the inorganic fiber can be recycled



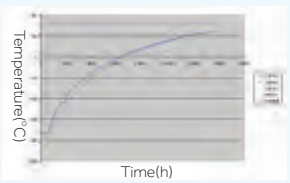
Construction



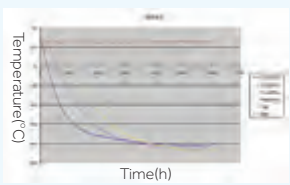




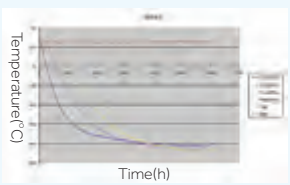
DW-86L388 power off temperature back chart (32°C ambient temperature)



DW-86L628 power off temperature back chart (32°C ambient temperature)



DW-86L388 Temperature dropping chart without load (25°C ambient temperature)



DW-86L628 Temperature dropping chart without load (25°C ambient temperature)

-86°C Ultra Low Temperature Freezer

DW-86L288

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Inner door
220/50	930	-40~-86	288	217/236	2/3

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
				20'/40'/40'H
W	915	620	952	
D	870	550	924	
H	1641	971	1801	12/24/24

Model	Dimension(W*D*H)	Rack Quantity	Box Quantity	Sample Quantity
2 inch stainless steel rack4*3	138*409*234	12	144	11664

Calculated based on 9*9 box

DW-86L388

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Inner door
220/50	1000	-40~-86	388	255/276	3/4

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
				20'/40'/40'H
W	915	620	952	
D	870	550	924	
H	1970	1300	2130	12/24/24

Model	Dimension(W*D*H)	Rack Quantity	Box Quantity	Sample Quantity
2 inch stainless steel rack4*3	138*409*234	16	192	15552

Calculated based on 9*9 box

DW-86L628

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Inner door
220/50 220/60 120/60	1200	-40~-86	628	301/323	3/4

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
				20'/40'/40'H
W	1035	760	1072	
D	900	630	954	
H	1960	1300	2120	12/24/24

Model	Dimension(W*D*H)	Rack Quantity	Box Quantity	Sample Quantity
2 inch stainless steel rack4*4	138*544*234	20	320	25920
2 inch stainless steel drawer rack4*4	140*554*236	20	320	25920
3 inch stainless steel rack3*4	138*544*260	20	240	19440
3 inch stainless steel drawer rack3*4	140*554*261	20	240	19440

Calculated based on 9*9 box

-86°C Ultra Low Temperature Freezer

DW-86L728

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Inner door
220/50 220/60 120/60	1200	-40~-86	728	350/370	3/4

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
				20'/40'/40'H
W	1145	870	1182	
D	900	630	954	
H	1970	1310	2130	8/20/20

Model	Dimension(W*D*H)	Rack Quantity	Box Quantity	Sample Quantity
2 inch stainless steel rack5*4	138*544*287	24	480	38880
2 inch stainless steel drawer rack5*4	140*554*289	24	480	38880
3 inch stainless steel rack3*4	138*544*260	24	288	23328
3 inch stainless steel drawer rack3*4	140*554*261	24	288	23328

Calculated based on 9*9 box

DW-86L828

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Inner door
220/50 220/60	1200	-40~-86	828	380/400	3/4

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
				20'/40'/40'H
W	1145	870	1182	
D	980	710	1034	
H	1970	1310	2130	8/20/20

Model	Dimension(W*D*H)	Rack Quantity	Box Quantity	Sample Quantity
2 inch stainless steel rack5*5	138*680*287	24	600	48600
2 inch stainless steel drawer rack5*5	140*688*289	24	600	48600
3 inch stainless steel rack3*5	138*680*260	24	360	29160
3 inch stainless steel drawer rack3*5	140*690*261	24	360	29160

Calculated based on 9*9 box

DW-86L420

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Inner door
220/50	1000	-40~-86	420	310/357	27/3

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
				20'/40'/40'H
W	2130	1367	2300	
D	870	462	970	
H	1020	652	1164	6/12/12

Model	Dimension(W*D*H)	Rack Quantity	Box Quantity	Sample Quantity
Vertical Rack	142*138*633	27	297	24057

Calculated based on 9*9 box

-86°C Ultra Low Temperature Freezer With Dual Doors

New Construction

- Advanced dual outer doors design; one machine but dual doors and dual locks to be used by multi-people; less temperature increasing in the other room when one room is opened; Energy saving and green product
- 4 layers sealing strip applicable to the inner and outer doors to minimize the temperature difference inside and outside the cabinet so as to assure the lowest cooling capacity dropping
- Unique VIP (Vacuum Insulation Panel) material technology for excellent heat insulation and space saving of the equipment
- Ergonomic design of the handle to combine product safety, easy operation and easy locking together

High-Efficient Refrigeration System

- Double compressors cascade refrigeration technology, high efficient and reliable
- Global famous brand Danfoss brand powerful refrigeration capability
- High-efficiency refrigeration return system to reach the high-efficient heat exchange, quick temperature cooling and energy saving
- High-end EBM condenser fan
- world-wide leading refrigerants, high-efficient and green

Precise Temperature Control And Sophisticated Electronics Technology

- Microprocessor control and accurate; adjust the control system automatically by the sense of the ambient temperature and voltage, etc
- LED digital display to clearly show the system status.
- Self-testing and multi-alarm, audible and visible: temperature exceeding the set range, condenser under efficiency, sensor error, power failure, voltage exceeding the range, ambient temperature exceeding the range
- Multi-protection function: password protection; compressor start-up delay protection; voltage protection from too low and too high
- Voltage redeem in case of high and low voltage and broad band voltage, stable and reliable

DW-86L490

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Inner door
220/50	1100	-40~-86	490	295/335	3/4

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	860	590	902	20'/40'/40'H
D	900	630	1004	
H	1970	1310	2130	12/24/24

Model	Dimension(W*D*H)	Rack Quantity	Box Quantity	Sample Quantity
Upper chamber				
2 inch stainless steel rack5*4	138*544*287	8	160	12960
2 inch stainless steel drawer rack5*4	140*554*289	8	160	12960
3 inch stainless steel rack3*4	138*544*260	8	96	7776
3 inch stainless steel drawer rack3*4	140*554*261	8	96	7776
Lower chamber				
2 inch stainless steel rack4*4	138*544*234	8	128	10368
2 inch stainless steel drawer rack4*4	140*554*236	8	128	10368
3 inch stainless steel rack3*4	138*544*260	8	96	7776
3 inch stainless steel drawer rack3*4	140*554*261	8	96	7776

Calculated based on 9*9 box

Deep Freezer

-50°C

Deep Freezer

-50°C Deep Freezer

Excellent Refrigeration Technology Environmental Friendly Product

Designed for the low temperature experiments of electronic components and other special materials, for storage of blood plasma, biological materials, vaccines etc.
Used in research institutes, laboratories in electronic or chemical industries, blood banks, hospitals, epidemic prevention centres

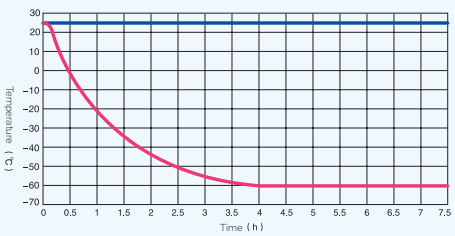
● Temperature Control
- Microprocessor control, Controller made in Italy
- Temperature adjustable range in Cabinet: -30°C ~ -60°C
- Ambient Temperature: 10°C~25°C

● Safety Control
- Dual protection function (Start up delay protection, Stop-interval protection)

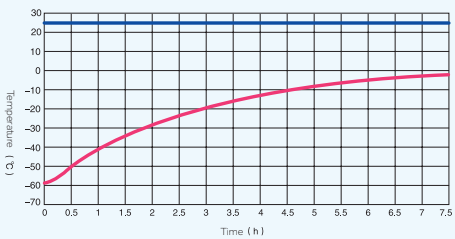
● Refrigeration System
- Single compressor auto-cascade refrigeration technology to reach a high-efficiency
- Hermetically sealed refrigeration structure, super large freezing capacity, can reach -60°C in the ambient temperature of 10°C ~25°C
- New style CFC-free Refrigerant

● Ergonomic Design
- Safety lock to prevent unauthorized access
- Anti-corruption step style cabinet design, can fix various of baskets

No-load temperature dropping curve (25 °C ambient temperature)
Temperature at chamber centre



No-load temperature rising curve (25 °C ambient temperature)
Temperature at chamber centre



DW-50W255

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Climate Style
220/50	520	-30~-60	255	70/82	N

	Exterior Dimension(mm)	Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	1243	1040	1320	20'/40'/40'H
D	633	430	755	
H	838	605	905	24/54/81

-40°C

Deep Freezer

-40°C Deep Freezer

Large capacity, excellent deep temperature performance, 8 ergonomic designs

● Performance
- Microprocessor control, digital display of temperature
- Imported high efficiency Compressor, CFC-free Refrigerant
- Famous brand Fan, high density insulation foam
- Evaporator and Condenser system, guarantee freezing efficiency and uniformity of temperature
- Ergonomic design, more reliable and easy to operate

● Temperature Control
- Microprocessor control, digital display of temperature, temperature in cabinet adjustable range: -20°C to -40°C
- Alarm when exceeding temperature range,memory function in case of power failure

● Safety System
- Alarm conditions (Higher or lower temperature alarm, Sensor malfunction alarm, power off alarm)
- Two kinds of alarm indicators (Audible buzzing alarm, Visual flashing alarm)
- Start up delay protection

● Refrigeration System
- Danfoss compressor
- CFC-free refrigerant
- Germany EBM condenser fan
- High density insulation foam
- Evaporator as the shelves, freezing faster, better performance on conformity of temperature

● Ergonomic Design
- Double doors design with lock respectively, more convenient to store in assortment or more users
- Ingenious design of lock, adjustable on distance and power, can be fixed double padlock, more safety and reliable
- Door handle, easier to open and close
- Drawer, more convenient to use
- Broad voltage tolerance design, applicable for voltage range 198v~238v
- LED digital display for easy observation
- Equipped with lockable casters, easy to move
- Anti-corruption step cabinet design, applicable for various of baskets

DW-40L508

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Big/Small Drawer
220/50	630	-20~-40	490	158/170	4/6

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	595	685	965	20'/40'/40'H
D	840	650	945	
H	1860	1228	2040	12/24/24

-40°C Deep Freezer

Integrative Design of Evaporator and Shelves Faster Temperature Dropping

This product is designed to store vaccines, blood plasma, biological materials etc. Applications could be found in the electronic and chemical laboratories epidemic prevention, hospitals, animal husbandry areas, blood banks and research institutes

● Temperature Control

- Microprocessor control, digital display, temperature in cabinet adjustable range:-10°C~-40°C
- Alarm function once over temperature, power off memory function

● Safety System

- Alarm conditions (higher or lower temperature alarm, sensor malfunction alarm, power off alarm)
- Two kinds of alarm indicators (audible buzzing alarm, visible flashing alarm)
- Start up delay protection

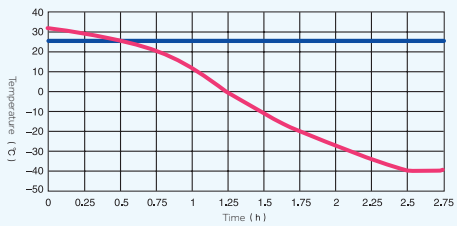
● Refrigeration System

- Danfoss compressor
- CFC-Free refrigerant
- Germany EBM condenser fan
- High density insulation foam
- Evaporator as the shelves, freezing faster, better performance on conformity of temperature

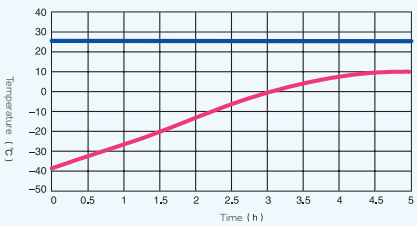
● Ergonomic Design

- Double doors design with lock respectively, more convenient to store in assortment or more users
- Ingenious design of lock, adjustable on distance and power, can be fixed double padlock, more safety and reliable
- Door handle easier to open and close
- Drawer, more convenient to use
- Broad voltage tolerance design, applicable for voltage range 187v~242v
- LED digital display for easy observation
- Equipped with lockable casters, easy to move
- Anti-corruption step cabinet design, applicable for various of baskets

No-load temperature dropping curve
(25 °C ambient temperature)
Temperature at chamber centre



No-load temperature rising curve
(25 °C ambient temperature)
Temperature at chamber centre



DW-40L92

Voltage(V/Hz)	Power(W)	Temp. range(oC)	Capacity(L)	Net /Gross Weight(Kg)	Drawer
220/50	220	-10~-40	92	47/52	3

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	597	435	659	20'/40'/40'H
D	610	410	699	
H	860	635	934	54/108/108

-40°C Deep Freezer

DW-40L188

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Drawer
220/50	290	-10~-40	188	63/71	7

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
				20'/40'/40'H
W	597	380	659	
D	610	410	699	
H	1475	1225	1548	27/54/54

DW-40L262

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Drawer
220/50 220/60	340	-10~-40	262	87/93	7

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
				20'/40'/40'H
W	657	480	732	
D	685	462	745	
H	1665	1430	1756	24/48/48

DW-40L428

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves
220~240/50	1200	-20~-45	428	298/314	5

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
				20'/40'/40'H
W	910	760	1065	
D	835	630	975	
H	1990	1300	2125	12/24/24

-40°C Deep Freezer

Imported Forced-air Cooling Compressor

Designed for the low temperature experiments of electronic components and other special materials, for storage of blood plasma, biological materials, vaccines etc.
Used in research institutes, laboratories in electronic or chemical industries, blood banks, hospitals, epidemic prevention centres

● Temperature Control

- Temperature adjustable range in Cabinet: -25°C ~ -40°C
- High & low temperature alarm can be set as required

● Safety System

- Two alarm conditions (higher or lower temperature alarm, sensor malfunction alarm)
- Two kinds of alarm indicators (audible buzzing alarm, visible flashing alarm)

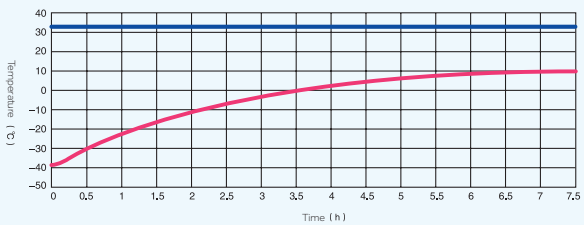
● Refrigeration System

- Danfoss compressor and Germany EBM condenser fan support excellent refrigeration
- The temperature in cabinet can drop to -40°C in 25°C ambient temperature in 2 hours
- High density insulation foam guarantees the cabinet temperature effectively
- Reasonable design of evaporator and condenser guarantee perfect freezing performance
- CFC-Free refrigerant

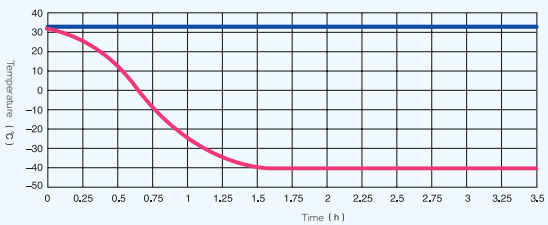
● Ergonomic Design

- Safety lock to prevent unauthorized access
- Φ40 Test hole for testing (DW-40W380 is exclusive)
- Broad voltage tolerance design, applicable for voltage range 198v~252v
- Anti-corruption step cabinet design, applicable for various of baskets

No-load temperature rising curve
(25 °C ambient temperature)
Temperature at chamber centre



No-load temperature dropping curve
(25 °C ambient temperature)
Temperature at chamber centre



-40°C Deep Freezer

DW-40W100

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)
220/50	260	-25~-40	100	43/46

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	680	500	735	20'/40'/40'H
D	600	385	645	
H	805	625	855	54/108/162

DW-40W255

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)
220/50	410	-25~-40	255	69/81

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	1243	1040	1310	20'/40'/40'H
D	633	430	750	
H	838	605	880	24/54/81

DW-40W380

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)
220/50	550	-25~-40	380	82/89

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	1550	1376	1630	20'/40'/40'H
D	633	457	755	
H	838	625	880	18/42/63

-25°C Vaccine & Icepack Freezer

-25°C Vaccine & Icepack Freezer

WHO Approved

Manual Defrost

- Haier Vaccine & ice pack freezer is designed to store vaccines, blood plasma, biological materials, testing reagents and other laboratory materials. Application could be found in epidemic prevention, animal husbandry areas, hospitals, blood banks and research institutes.

- In 2008, Haier won the tender of India MOHFW to supply 8559 units Deep freezer
- In 2010, Haier won the tender of India MOHFW to supply 9010 units Deep freezer
- In 2011, Haier got the LAT of Ice Lined Refrigerator and Vaccine Freezer. Haier becomes the supplier of UNICEF.

Refrigeration system

- High efficient Danfoss compressor
- CFC-free polyethylene insulation
- Superior refrigeration effect with an optimized evaporator and condenser design

Temperature Control

- Microprocessor control
- Digital display
- Cabinet temperature is adjustable within a range of -10°C~-25°C
- Adjustable temperature set range, alarm in case of temperature exceeding the range

Ergonomic design

- Safety lock to prevent unauthorized access
- Anti-corrosion interior liner,clean and convenient to use, the multi-level design is can store baskets of various sizes
- Drainage system for easy cabinet cleaning
- LED digital temperature display for easy observation

Model	HBD-116	HBD-286
Vaccine storage capacity	92L	90L
Gross volume	121L	198L
Gross weight (kg)	58	82
Ambient temperature	<43°C	<43°C
Compressor	Danfoss compressor	Danfoss compressor
Refrigerant	R134a	R134a
Exterior Dimensions(mm) (H×W×L)	832×755×630	832×1243×630
Packing Dimensions (mm) (H×W×L)	950×837×760	950×1325×760
Container load(sets) 20'/40'/40H	42/84/126	24/54/81
Power Consumption: stable running	0.38KWh/24h	4.36KWh/24h

2~8°C/-20~-40°C

Pharmaceutical Refrigerator With Freezer

2~8°C/-20~-40°C Pharmaceutical Refrigerator with Freezer

Refrigerator & Freezer Combination, Separately Control

- **Excellent Performance**
  - Refrigerator 2~8°C, freezer -20~-40°C
- **Reasonable Structure**
  - Large refrigerator; stainless steel, arch out door for convenient clean
- **Key Function**
  - USB port, can record the temperature in one month automatically
  - Separate display of refrigerator and freezer, easy observation
  - Remote alarm and monitor in internet (optional)
  - Divisible drawers and shelves for different items storing
  - Multi-malfunction alarms, precautionary alarm

HYCD-282

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Drawer
220/50	400	2~8/-20~-40	Refrigerator185 Freezer97	145/160	4/2

Exterior Dimension(mm)		Interior Dimension(mm) Refrigerator / Freezer	Packing Dimension(mm)	Container Load (sets) 20'/40'/40'H
W	725	605/515	875	
D	620	460/430	770	12/26/26
H	1810	720/440	1920	

HYCD-282A

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Drawer
220/50	400	2~8/-20~-40	Refrigerator185 Freezer97	145/160	4/2

Exterior Dimension(mm)		Interior Dimension(mm) Refrigerator / Freezer	Packing Dimension(mm)	Container Load (sets) 20'/40'/40'H
W	725	605/515	875	
D	620	460/430	770	12/26/26
H	1810	720/440	1920	

Haier

Pharmacy Refrigerator

2°C~8°C

Pharmacy Refrigerator

WHO Recommended Professional Refrigerator
Excellent Performance To Guarantee The Safety Storage

Haier pharmacy refrigerators are designed to store pharmaceuticals, medicines and other related products
Applicable for drug stores, pharmaceutical companies, hospitals, epidemic prevention centers and clinics

● Products Performance

- Finned-tube evaporator design, temperature lower down faster
- Microprocessor control, digital display, temperature adjust with an increment of 0.1°C
- Forced-air cooling system, the fluctuation of temperature in cabinet is within ±3°C, the adjustable temperature range: 2~8°C

● Safety System

- Excellent alarm system, audible buzzing alarm and visible flashing alarm, alarms conditions include higher or lower temperature alarm, sensor malfunction alarm, open door alarm, remote alarm, power failure alarm, refrigeration system malfunction alarm
- Built-in storage battery, digital display and alarms for 72 hours in case of power failure (applicable only for HYC-260/360/610/940)

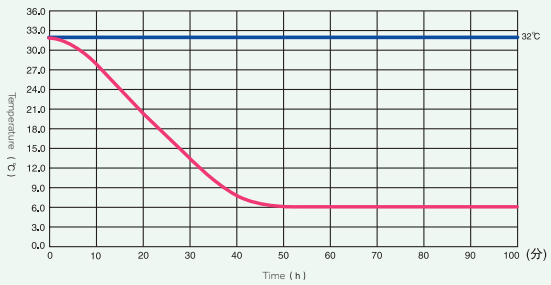
● Refrigeration system

- Danfoss compressor and Germany EBM condenser fan support an excellent refrigeration
- Forced-air cooling system, large airflow with optimized air channels to guarantee inner temperature consistency
- Reasonable design for evaporator, temperature drop down faster

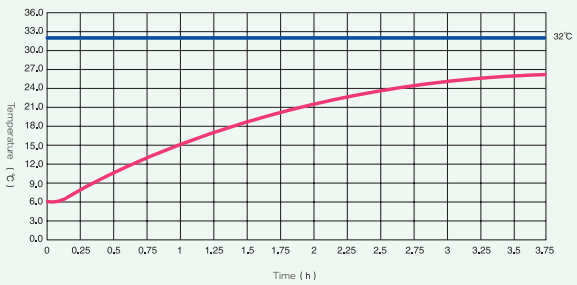
● Ergonomic Design

- Multi-level and adjustable shelves for various dimensions of pharmaceutical products, making full use of the space
- Safety lock to prevent unauthorized access
- Large digital display screen
- Broad voltage tolerance
- Applicable in special condition: ambient temperature 10~32°C with the humidity below 75%
- Polyurethane foam insulation door, transparent vacuum toughened glass door, lockable casters (HYC-610/940)
- Inner light

No-load temperature dropping curve
(25 °C ambient temperature)
Temperature at chamber centre



No-load temperature rising curve
(25 °C ambient temperature)
Temperature at chamber centre



2°C~8°C Pharmacy Refrigerator

HYC-260

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Inner door
120/60 220/50 220/60	340	2~8	260	88/100	4/-

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	620	555	705	20'/40'/40'H
D	655	460	715	
H	1720	1065	1900	24/48/48

HYC-360

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Inner door
220/50 220/60	430	2~8	360	99/114	5/-

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	620	555	705	20'/40'/40'H
D	655	460	715	
H	1955	1340	2080	24/48/48

HYC-940

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Inner door
120/60 220/50	900	2~8	890	227/279	12/-

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	1130	1025	1254	20'/40'/40'H
D	760	563	840	
H	1980	1423	2240	8/18/18

2°C~8°C Pharmacy Refrigerator

Professional pharmacy refrigerator used in medical industry, also applicable to store biological products.
Applicable for the drugstores, pharmaceutical factories, hospital, health and disease prevention and control centre, suitable for ambient temperature 10°C-32°C, humidity below 85%.

Temperature control

- Adopting high precision digital sensors
- Microprocessor control, digital display temperature, can adjust cabinet temperature range to maintain cabinet temperature within 2-8°C, adjustable increment is 0.1°C, and display precision is 0.1°C

Safety system

- Five malfunction alarms (temperature exceeding the setting range, battery power low, power failure, sensor error, door opening, low battery voltage)
- Three alarming patterns: buzzer alarm, flashing light alarm, remote monitor alarm
- Turn on delay protection
- All components connect ground safely

Refrigeration system

- International famous brand Danfoss compressor
- High efficiency Germany condenser fan (EBM)
- Forced-air cooling system design guarantees temperature consistency, storge temperature difference within 2°C, inner air temperature difference within 3°C
- Sealing strip made by PVC, excellent antibacterial superior performance, gasbag structure design can maintain temperature better

Ergonomic Design

- Six shelves, easy operation, space adjustable according to goods, make full use of space
- Caster and handle design, convenience open and lock door and transportation
- Storage battery, can alarm within 72 hours after powder off.
- Inner light
- Auto-defrost
- High quality cold rolled steel external material with spraying surface. Stainless steel cabinet, easily cleaning, impact resistance, anti-corrosion
- Electric heating design of glass door with automatic lock, safe and non-frosting in high temperature and humid ambient

HYC-610

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Inner door
120/60 220/50	490	2~8	610	204/227	6/-

Exterior Dimension(mm)	Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W 780	680	875	20'/40'/40'H
D 840	620	937	
H 1960	1400	2097	12/26/26

2°C~8°C

Built-in Pharmacy Refrigerator

2°C~8°C Built-in Pharmacy Refrigerator

Precision Constant Temperature, Exquisite Installation

The first built-in pharmacy refrigerator in China, ultra low noise design, safety lock, perfect alarm system, safety protection

● Temperature Control

- Microcomputer control, digital display temperature, adjustable increment 1°C.
- Forced-air cooling system, cabinet temperature fluctuation within ±3°C, setting and maintaining the cabinet temperature within 2~8°C

● Safety System

- Perfect alarm system, audible buzzing alarm and visible flashing alarm, temperature-exceeding alarm, senor malfunction alarm, open door alarm.

● Refrigeration System

- DC fan, air cooling structure, reasonable design for air vent and air volume, consistent temperature in cabinet.
- Reasonable design of evaporator, expansion of the refrigeration space, improve cooling speed.

● Ergonomic Design

- Ultra low noise design, low power consumption
- Multi-shelf design, adjusted on bars and can adjust the space according to the items, make full use of space
- Safety lock design, prevent opening randomly
- Broad voltage tolerance, applicable for unstable voltage supply
- Suitable for 10°C-32°C ambient temperature and below 60% humidity area use
- Inner light design

HYC-68

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Baskets
220/50	84	2~8	68	38/40	2/1

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	500	425	522	20'/40'/40'H
D	490	351	620	
H	640	314	690	108/228/228

HYC-68A

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Baskets
220/50 120/60	84	2~8	68	38/40	2/1

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	500	425	522	20'/40'/40'H
D	490	351	620	
H	640	314	690	108/228/228

2°C~8°C

Ice-lined Refrigerator

Leading Professional Vaccine Refrigerator In China, Certified by Per WHO and Listed in WHO Purchase List.

The refrigerators are designed to store vaccine, pharmaceuticals, blood and so on. Applications could be found in epidemic prevention, clinics, hospitals, blood banks, research institutes etc.

In 2008, Haier won the tender of India MOHFW to supply 5900 units Ice Lined Refrigerator.
In 2010, Haier won the tender of India MOHFW to supply 11922 units Ice Lined Refrigerator .
In 2010, Haier got the WHO order to supply 100 units Ice Lind Refrigerator.
In 2011,Haier got the LTA of Ice Lined Refrigerator and Vaccine Freezer. Haier becomes the Long term supplier of UNICEF.

● Refrigeration System

- Microprocessor control
- CFC-free polyethylene insulation
- Superior refrigeration effect with an optimized evaporator and condenser design
- Single-deck inner, built- in ice packs can keep the chamber temperature at a range of 2°C-8°C for up to 25 hours at an ambient temperature within 43°C in the case of power failure, within ice-packs fully infused
- WHO/UNICEF standard compliant
- Ambient temperature:10°C-43°C

● Temperature Control

- Power on/off indicator
- Digital display
- Cabinet temperature range 2°C-8°C

● Ergonomic Design

- Door lock to prevent unauthorized access
- Stainless steel interior liner, clean and convenient to use
- Drainage system for easy cabinet cleaning

Inside structure

Lock

Microprocessor control panel

WHO Approved

Model	HBC-70	HBC-200	HBC-340
Vaccine storage capacity	45L	90L	200L
Gross volume	71L	198L	340L
Gross Weight(kg)	70	115	165
Ambient temperature	10°C-43°C	10°C-43°C	10°C-43°C
Compressor	Danfoss compressor	Danfoss compressor	Danfoss compressor
Refrigerant	R134a	R134a	R134a
Exterior Dimension (mm) (W×D×H)	610×406×360	610×976×366	1644×650×846
Packing Dimension (mm) (W×D×H)	880×756×760	880×1325×760	1764×770×1046
Container load (sets)20'/40'/40H	42/90/135	24/54/81	18/36/36
Holdover time at 43°C	>27H	>31H	>37H
Power consumption:stable running	0.64 KWh/24h	1.34 KWh/24h	2.86KW.h/24h
Power consumption:cool down test	2.4 KWh/24h	4.01 KWh/24h	4.32KW.h/24h

2~8°C

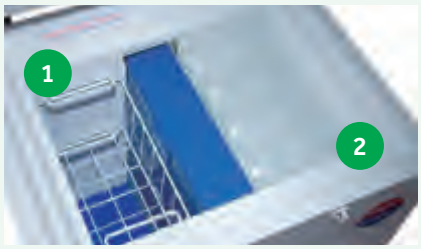
Solar Driven Vaccine Refrigerator

2~8°C Solar Driven Vaccine Refrigerator

Solar driven vaccine refrigerator: HBC-60 is driven by the sun, directly from solar panels. This appliance does not need battery storage or fuel for power. It is designed for the region with enough sunshine and poor electricity.
Driven by solar panels without any battery, this refrigerator will not bring any negative impact to the environment.

● Features

- Driven by solar power, environment friendly
- No battery for storage of power
- No need for power and fuel, low cost
- Digital display of temperature
- Easy installation
- Easy maintenance, only the solar panels need to be maintained
- Stainless steel interior liner
- Lock design, keep safety of vaccines



1 VACCINE COMPARTMENT
2 ICE PACK-4 EXTRA ICE PACKS

EXTERNAL DIGITAL DISPLAY

The external digital display facilitates Temperature monitoring. The display is solar driven to ensure continued temperature readings.

● Specification

Model	HBC-60
Vaccine storage capacity	21L
Gross volume	50L
External Dimension (W×D×H)(mm)	670×630×847
Packing Dimension (W×D×H)(mm) (Doesn't include the solar panel system)	750×755×860
No. of storage baskets	2
Temperature range	2-8°C at ambient temp. 20°C~32°C
Solar panels required	Min. power 180W at solar radiation reference period 6.0KwH/m²/day
Compressor	Danfoss
Temperature Display	External digital display
Energy source At solar radiation reference period	Nominal 12 V DC solar electric array
Temperature zone	Ambient temperature applied: 25°C~43°C
Container Load (sets) 20'/40'/40'H (Doesn't include the solar panel system)	42/90/135

4°C

Blood Bank Refrigerator

Integrate Global Intelligence
Secure Specimen Consistantly

Blood bank refrigerator is a professional equipment to store blood (whole blood) in medical industry. It can also be used to store pharmacy and biological product in hospitals and disease prevention center. Haier blood bank refrigerator is the only product winning "national blood bank construction project" in 2001

● Temperature Control

- Forced-air cooling, and electrical heat system together with microprocessor control system ensure a consistent cabinet temperature within 4±1°C
- Digital display for the temperature of upper area and lower area in the chamber, as well as the average temperature of the cabinet. The reading precision is 0.1°C, easy observation and monitor
- Adjustable temperature setting within 2~8°C and ±0.1°C increment
- Five digital integrated sensors to display and control the temperature; temperature recorder monitors the whole process (temperature recorder is optional accessory for HXC-158)

● Safety Control

- Dual display of operational parameter
- Inner-fixed storage battery provides power supply for temperature display, audible and visible alarm for 48 hours
- Three alarming patterns: buzzer alarm, flashing light alarm, remote monitor alarm
- Malfunction alarms: over or under temperature , power failure, sensor error, door opening, low voltage of backup battery
- Both the digital display and temperature recorder can keep a record of the temperature in case of power failure
- Backup operation programs in case of sensor failure or numerical disorder

● Transparent Design

- Auto defrost technology on outer door prevents condensation under 85% humidity and guarantees observation of inner cabinet
- Transparent vacuum door made in tempered glass

● Ergonomic Design

- Auto-defrost function guarantees a good performance in high temperature and high humidity area
- Safety lock prevents unauthorized access
- Large digital display for easier observation
- Sorted blood storage space for convenient operation
- Broad voltage design, suitable for working in 187-242V power
- Caster design
- Inner light
- Applicable to broad climatic zones: ambient temperature range 10°C~32°C in the areas with humidity no higher than 85%

HXC-158

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Baskets
220/50	350	4±1	158	107/120	4/4

Exterior Dimension(mm)	Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W 560	460	637	20'/40'/40'H
D 570	350	667	
H 1520	950	1647	27/54/54

4°C Blood Bank Refrigerator

HXC-258

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Baskets
220/50 220/60	400	4±1	258	146/160	4/16

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	720	620	797	20'/40'/40'H
D	690	470	787	
H	1520	950	1647	14/30/30

HXC-358

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Baskets
220/50 220/60	460	4±1	358	158/174	5/20

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	720	620	797	20'/40'/40'H
D	690	470	787	
H	1730	1160	1857	14/30/30

HXC-608

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Baskets
220/50 220/60	490	4±1	608	204/227	6/24

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	780	680	857	20'/40'/40'H
D	840	620	937	
H	1960	1400	2097	12/26/26

4°C Blood Bank Refrigerator

HXC-608A

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Baskets
220~240/50	490	4±1	608	220/243	5/25

	Exterior Dimension(mm)	Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
				20'/40'/40'H
W	846	680	911	
D	913	620	1010	
H	1980	1360	2117	12/26/26

HXC-106

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Baskets
220/50	160	4±1	106	49/52	3/4

	Exterior Dimension(mm)	Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
				20'/40'/40'H
W	500	430	566	
D	514	350	614	
H	1055	830	1120	72/152/152

HXC-936

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Baskets
220/50 120/60	900	4±1	890	227/279	12/36

	Exterior Dimension(mm)	Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
				20'/40'/40'H
W	1130	1025	1254	
D	760	563	840	
H	1980	1423	2240	8/18/18

4/22°C

Blood Transportation Box

4/22°C Blood Transportation Box

This product is suitable to be installed on ambulance, blood transportation vehicle and vaccine transportation vehicle of medical organizations. It can be used in extremely hostile environment. Ambient temperature ranges from -2°C to 43°C and humidity can be above 80%

Temperature Control

- Microprocessor control and digital temperature display. Two temperature level: 4°C or 22°C.
- Forced air cooling system. Internal temperature fluctuation is within ±1.5°C. Temperature ranges 2.5-5.5°C when setting temperature is 4°C. Temperature ranges 20-24°C when setting temperature is 22°C

Safety System

- Perfect alarming system: both buzzer alarming and flashing light alarming are available for over temperature, power failure, sensor error, abnormal power supply and high ambient temperature
- Inner-fixed storage battery provides power supply for temperature display, audible and visible alarm for 48 hours;
- Intelligentized microcomputer control, real-time supervision on electricity of vehicle. Giving priority to the power supply of vehicle or boat to guarantee transportation safety

Cooling System

- Imported Danfoss compressor and ADDA fan
- Forced air cooling system, good control of air flow and blowing rate make inner temperature stable and uniform
- Finned type evaporator effectively increases cooling area and speeds up cooling rate

Heating System

- Build-in heater strip has function of defrost and heating

Ergonomic Design

- Double-layer blood baskets design for convenient use
- Double-lock safety design and padlock can be used
- LED display with 45° angle for easy observation
- Super broad voltage design. Power selection with DC 12/24V and AC 100-240V, 50/60HZ
- 80° angle position limitation design of door
- Foaming cabinet, cabinet and door are made in antibacterial material and convenient to clean
- Water outlet design for easy clean of waste water in cabinet
- Handle and caster design for convenient move and carry

HXC-80

Voltage(V/Hz)	Power(W)	Temp. range(°C)	Capacity(L)	Net /Gross Weight(Kg)	Shelves/Baskets
DC12/24 AC100-240 /50~60	DC75 AC105	4±1.5 Or22±2	80	58/65	-/4

Exterior Dimension(mm)		Interior Dimension(mm)	Packing Dimension(mm)	Container Load (sets)
W	1060	570	1145	20'/40'/40'H
D	550	350	615	
H	850	580	900	36/76/76

03 Infection Control Equipment

Haier
Washer-Disinfector
HRQX-480
Instruction
1.Power Check: Check the electro-circuits ensure connect
Voltage: 380V
2.Electrify: Turn on the switch and the HMI display initial menu
3.Program choice: HMI has 6 programs, choose one program according to your demand
4.Parameters setup: After your choice need to set up Parameters, press"Parameter setup"to set up the Parameters,press"ENT",affirm, press"CR",clean the data,"ESC"cancel,"setup ok",back to program window
5.Running choose a program then press"start",Running

Washer-Disinfector

Washer-Disinfector

Create Clean World, Carve Healthy Life

HRQX series automatic medical washer and disinfector, provides standard and automatic cleaning and disinfection for most of the medical equipments, so as to eliminate the possibility of infection in process of cleaning and disinfecting.

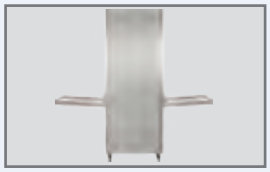
● Performance

- Compliant with prENISO15883
- Equipped with several sets of independent temperature monitoring system
- Advanced programmable control system
- Provide the visual door with reinforced composite glass, stable and reliable
- Ergonomic program to meet the requirement of most of items
- Extensive clean area, no spray blind angle, high efficiency of cleaning
- Passport access to operating system
- A0 displayed real time for thermo-disinfection
- With the self-checking, operational monitoring and fault diagnosis to make sure the stable and reliable work and the efficient clean and disinfector
- Ergonomically designed, operating panel and loading height appropriately
- Color LCD touch screen, easy operating

Color LCD touch screen. Advanced programmable Control System with six standard programs

Loading panel formed after the door is opened and easy to take and put items

Rotary spray thrower, make sure the spray liquid can contact with the inside completely

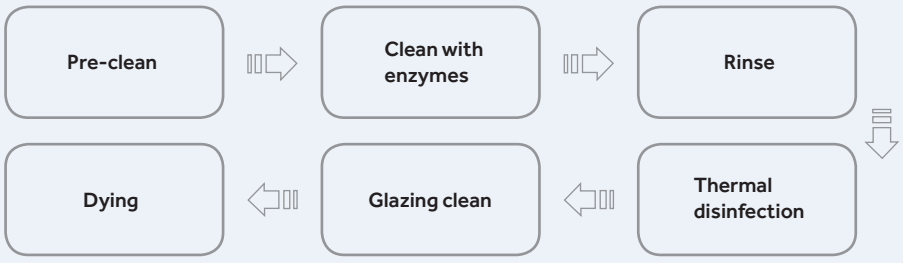


Double-door designs make the equipment become a separation barrir between contaminated area and clean area

Caster design, convenient to move

Toughened glass door

- Product working process has been verified strictly, ensure the efficiency of cleaning and disinfecting
- During the process, the enzymes, disinfectant and glazing liquid can be added automatically



Washer-Disinfector

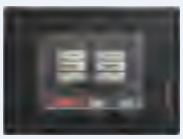
Complete Washing Process

- **Standard Program**
  - HRQX has six sets standard program, the user can choose proper program to operate according to materials
- **Single Function Program**
  - HRQX has six sets independent programs, they can be used combined according to the special conditions
- **Self – Clean Program**
  - To avoid block and corrosion for device, cleaning cabin and water pipe resulted from dirty and incrustation, users can use the program to clean regularly
- **Cleaning**
  - Rotary Nozzl is set in top, bottom and among the shelves to make sure that the spray liquid can contact the surfaces of devices completely.
- **Disinfection**
  - Thermal disinfection, water heating system with powerful rate can heat the water to 93°C rapidly, temperature supervisory system can make sure the temperature kept above 93°C to reach the Intermediate Level disinfecting efficiency
  - Chemical disinfection, Chemical disinfection reserved can meet the requirement of being chemical disinfected forcibly for partial special things
- **Drying**
  - With the high efficiency dry system of 500m³/h, it can make all kinds of machine dry
  - High efficiency HEPA air filter filtrates the grain of 0.22 Micrometre, it can prevent the cleaned things being polluted
  - The cleaning shelves can connect the water and dry air , it can clean and dry the inner of Tubular things
- **Air Releasing**
  - The air flow in dying area absorb the releasing steamy heat through heated recycle bin, it can cut down the drying time meanwhile it can save energy

Simple operation

• LCD Touch Screen Operation Instruction

Starting up Photogragh



Program Selection

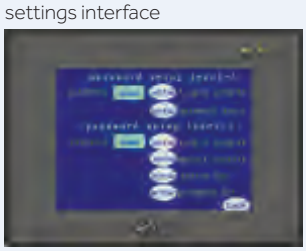
Program Running

Setting Running

• Working information real-time diplay

- Operating time
- Alarm information
- Real time

• Pass word protection settings interface



- Operating status
- Value A0
- Alarm reset

Accessories for different objects

• HRQX connect to cleaning shelves throuth different cleaning plug-in, it can be adjusted to different machines.

1.Standard cleaning shelves (four layers)
2.Standard cleaning shelves (five layers)
3.DIN basket
4.Anesthesia breathing circuit cleaning shelves
5.Glassware cleaning shelves
6.Rigid endoscope cleaning shelves

HRQX-480

Voltage(V)	Power(Kw)	Temperature control	Thermal disinfection	Material	Cleaning cabin materia l	Container Load (sets) 20'/40'/40'H
380/50	25	Up to 93°C from normal temperature	93°C	SUS304	SUS304(mirror surface)	8/16/16

	Exterior Dimension(mm)	Packing Dimension(mm)
W	1110	1210
D	890	920
H	2040	2340

Effective cleaning capacity(L)	480
Water consumption(L/circle)	25
Water pressure(Mpa)	0.3~0.8
Standard cleaning shelves(Layers)	5

HRQX-380

Voltage(V)	Power(Kw)	Temperature control	Thermal disinfection	Material	Cleaning cabin materia l	Container Load (sets) 20'/40'/40'H
380/50	18	Up to 93°C from normal temperature	93°C	SUS304	SUS304(mirror surface)	14/28/28

	Exterior Dimension(mm)	Packing Dimension(mm)
W	930	1030
D	700	800
H	1990	2450

Effective cleaning capacity(L)	380
Water consumption(L/circle)	18
Water pressure(Mpa)	0.3~0.8
Standard cleaning shelves(Layers)	5

HRQX-280

Voltage(V)	Power(Kw)	Temperature control	Thermal disinfection	Material	Cleaning cabin materia l	Container Load (sets) 20'/40'/40'H
380/50	18	Up to 93°C from normal temperature	93°C	SUS304	SUS304(mirror surface)	14/28/28

	Exterior Dimension(mm)	Packing Dimension(mm)
W	930	1030
D	700	800
H	1840	2040

Effective cleaning capacity(L)	280
Water consumption(L/circle)	15
Water pressure(Mpa)	0.3~0.8
Standard cleaning shelves(Layers)	4

Low Temperature Plasma Sterilizer

Low Temperature Plasma Sterilizer

Features:

Convenient Installation

- 220V, Single-phase connecting, Pipeline, aeration or disposal system are not required. The exterior dimensions are the smallest one among those products with the same specification. Casters make it very convenient to move . Very low requirement for installation environment and tools

Easy Operation

- Ergonomic design: very friendly man-machine interaction. The operation panel displays whole-process parameters. Upload and operation is flexible. Users can operate the machine after simple training program

Safe & Environment-friendly

- Low-temperature and vacuum technology avoids risks brought by high temperature and pressure operation. Zero noxious emission. Intellectual alarm and correcting system improve the sterilization success rate significantly. The sterilizing technology is perfect and soft, avoiding damage to objects. With a scientific and reasonable design, the consumables are safe and convenient to use

High Efficiency

- The most efficient item among the products with same specification, realizing a shorten recycle for the objects and save the cost for purchasing backup instrument

Innovative Technology

- The cutting edge technology combined with optimized designs and independent innovative technology guarantees a good stability and system balance. The use of various advanced technologies easily realized the following functions: intelligent monitor, remote maintenance, system upgrade, function extension etc.

Intelligent Memorizing and Printing

- Intelligent memorizing device, realizing simultaneous record and print of important parameter, and easy to record and check for users

Consumable

- sterilizing agent: perhydrol with 60% concentration ratio, 40ml/pc
- Chemical Indicator Card: Be put in the package of the sterilized equipment, and be sterilized together, showing the perhydrol effects via color change on the card.
- Chemical Indicator Tape: Pasted on the joint of the non-woven parcel, same function as chemical instruction card
- Bio-Indicator: Be put together with sterilized equipment, after sterilizing, compared with the unsterilized bio-indicator to show if they are sterilized completely
- Bio-Incubator: used for incubating bio-indicator
- Sterilized Packing Bag: made from special material, used for wrapping the sterilized equipment, sealed by heat-seal, good penetrability and anti wet-absorb function, cross infection prevent and prolong the sterilized equipment storage period to 3 months
- Capper: used to seal package after sterilizing
- Basket: used to carry sterilized stuff, maximizing effectiveness of sterilizing, reducing sterilizing costs and time
- Non-woven material: made of special material, used to wrap the sterilized equipment to be isolated from outside to make them stored at least 1 month
- Pin Type printer: used to print and record data for long time

Requirement for devices that need for sterilization

Proper Material	Aluminium; Stainless Steel	Latex; Silicon	Teflon; Organic Glass	polyolefin; polyurethane	polypropylene; Polyethylene;	PVC,Makrolon	EVA;Kraton
Improper Material	Wet-absorbing material(paper, cellulose, bafta, etamine)				Liquid or powder	Lumen with ID less than 1mm	

HRPS-120

Voltage(V/Hz)	Exterior Dimension W×D×H(mm)	Dimensions of Sterilizing Chamber W×D×H(mm)	Packing Dimension(mm) W×D×H(mm)	Net Volume
220/50	740×950×1680	430×430×760	890×1070×1750	120L

Sterilizing speed	**Consumption of H_2O_2**	**Information Process**	**Sterilizing Temp(°C)**	**Container Load (sets) 20'/40'/40'H**
About 42mins(standard cycle), 52min (strengthen cycle)	2.2ml per cycle	Simultaneous display on a 5.6 inch touch-screen, intelligent memorizing and printing system	55±5	12/12/24

04 Laboratory Equipment

Biological Safety Cabinet

Haier Biological Safety Cabinet Let You Enjoy The Joy of Work

- Convenient operation: alarm indication for all abnormal status, maloperation is set to be chain safeguarded to prevent further harmness, even if there is no strict training for operators. This design was ranked in top of the world and awarded the national patent(No#ZL200520125227.5)
- Easy operation: all running status shown on display screen, including fan, filter, UV lamp, airflow etc.

Perfect Structure

- Designed with ergonomic 10 degree tilt angle for comfortable position to operate
- Stainless steel three side walls with reasonable angle of 12mm transition to avoid the blind cleaning
- Independent bracket and cabinet, multiple brackets are optional
- Equipped with popular bracket in the world, operation safer and comfortable
- Equipped with anti-splash socket and waterproof outlet

Reliable Protection:

- Patented and advanced balancer technology suspension system for safer and reliable operation
- 6mm thickness anti-ultraviolet glass window, providing safe and effective protection
- Innovation of airflow partition technology, to eliminate the leakage from front window along with the two sides (Patent No#: ZL200520125549.X)
- Design for preventing leakage in all process, which can make operators safer effectively
- Strict air tightness test, pressurized 500Pa, and pressure keeps no less than 450Pa after 30min

Safety Alarm Design

- Threshold alarm, if you open the door upward higher than safety-guard line, prevent the leakage of experimental microorganism
- Airflow fluctuation alarm alarming if airflow fluctuate over 20%, ensure the reliability for gas curtain
- Unlocked fan alarm, prevent the leakage of experimental microorganism
- Filtering efficiency, cleanliness class, Downflow air velocity, inflow air velocity

HR40-IIA2

Filter efficiency	Cleanness Class	Downflow Air Velocity	Inflow Flow Air Velocity
99.9995%@0.12μm	$10^{\#}$	0.32m/s	0.62m/s

Illumination	Noise(dB)	Suggested Operators	Container Load (sets)20'/40'/40'H
≥1000Lx	≤64	1-2	7/16/16

	Exterior Dimension(mm)	Operating Area Dimension(mm)	Packing Dimension(mm)
W	1360	1167	1490
D	790	610	880
H	2200	680	2200

HR60-IIA2

Filter efficiency	Cleanness Class	Downflow Air Velocity	Inflow Flow Air Velocity
99.9995%@0.12μm	$10^{\#}$	0.32m/s	0.62m/s

Illumination	Noise(dB)	Suggested Operators	Container Load (sets)20'/40'/40'H
≥800Lx	≤64	2-3	6/13/13

	Exterior Dimension(mm)	Operating Area Dimension(mm)	Packing Dimension(mm)
W	1960	1734	2050
D	790	610	880
H	2200	680	2200

HR40-IIB2

Filter efficiency	Cleanness Class	Downflow Air Velocity	Inflow Flow Air Velocity
99.9995%@0.12μm	$10^{\#}$	0.32m/s	0.62m/s

Illumination	Noise(dB)	Suggested Operators	Container Load (sets)20'/40'/40'H
≥1000Lx	≤65	1-2	7/16/16

	Exterior Dimension(mm)	Operating Area Dimension(mm)	Packing Dimension(mm)
W	1360	1167	1490
D	790	610	880
H	2300	680	2400

Medical Low Temperature Cold Chain Products

Model	Voltage (V/Hz)	Input Power(W)	Temp. range (°C)	Capacity (L)	Net /Gross Weight(Kg)	Shelves/ Inner door	Exterior Dimension WxDxH(mm)	Interior Dimension WxDxH(mm)	Packing Dimension WxDxH(mm)	Container Load (sets) 20'/40'/40'H
150°C Cryo Freezer										
DW-150 W200	380/50	2800	-126~-150	200	315/385	12/2	1570x850x1060	667x462x650	1716x985x1198	6/13/13
-86°C ULT Freezer										
DW-86L828	220/50 220/60	1200	-40~-86	828	330/350	3/4	1145x980x1970	870x710x1310	1182 x 1034 x 2130	8/20/20
DW-86L728	220/50 220/60 120/60	1200	-40~-86	728	350/370	3/4	1145x900x1970	870x630x1310	1182 x 954 x 2130	8/20/20
DW-86L628	220/50 220/60 120/60	1200	-40~-86	628	301/323	3/4	1035x900x1960	760x630x1300	1072 x 954 x 2120	12/24/24
DW-86L388	220/50	1000	-40~-86	388	255/276	3/4	915x870x1970	620x550x1300	952 x 924 x 2130	12/24/24
DW-86L288	220/50	930	-40~-86	288	217/236	2/3	915x870x1641	620x550x971	952 x 924 x 1801	12/24/24
DW-86L490	220/50	1100	-40~-86	490	295/335	3/4	860x900x1970	590x630x1310	902 x 1004 x 2130	12/24/24
DW-86W420	220/50	1000	-40~-86	420	310/357	27/3	2130x870x1020	1367x462x652	2300 x 970 x 1164	6/12/12
Model	Voltage (V/Hz)	Input Power(W)	Temp. range (°C)	Capacity (L)	Net /Gross Weight(Kg)	Drawer (big/small)	Exterior Dimension WxDxH(mm)	Interior Dimension WxDxH(mm)	Packing Dimension WxDxH(mm)	Container Load (sets) 20'/40'/40'H
-50°C Deep Freezer										
DW-50W255	220/50	520	-30~-60	255	70/82	-	1243×633×838	1040x430x605	1310 x 755 x 905	24/54/81
-40°C Deep Freezer										
DW-40L508	220/50	630	-20~-40	490	158/170	4/6	595x840x1860	685x650x1228	965 x 945 x 2040	12/24/24
DW-40L428	220~240/50	1200	-20~-45	428	298/314	5	910x835x1990	760x630x1300	1065x975x2125	12/24/24
DW-40L262	220/50 220/60	340	-10~-40	262	87/93	7	657x685x1665	480x462x1430	732 x 745 x 1756	24/48/48
DW-40L188	220/50	290	-10~-40	188	63/71	7	597x610x1475	380x420x1225	659 x 699 x 1548	27/54/54
DW-40L92	220/50	220	-10~-40	92	47/52	3	597x610x860	435x410x635	659 x 699 x 934	50/108/108
DW-40W380	220/50	550	-25~-40	380	82/89	-	1550x633x838	1376x457x625	1630 x 755 x 880	18/42/63
DW-40W255	220/50	410	-25~-40	255	69/81	-	1243x633x838	1040x430x605	1310 x 750 x 880	24/54/81
DW-40W100	220/50	260	-25~-40	100	43/46	-	680x600x805	500x385x625	735 x 645 x 855	54/108/162
Model	Voltage (V/Hz)	Input Power(W)	Temp. range (°C)	Capacity (L)	Net /Gross Weight(Kg)	Beskets	Exterior Dimension WxDxH(mm)	Interior Dimension WxDxH(mm)	Packing Dimension WxDxH(mm)	Container Load (sets) 20'/40'/40'H
-25°C Vaccine & Icepack Freezer										
HBD-116	220/50	134	-15~-25	116	58	2	669*628*818	497*457*650	950×837×760	42/84/126
HBD-286	220/50	186	-15~-25	286	82	3	1239*628*818	1067*457*650	950×1325×760	24/54/81
Model	Voltage (V/Hz)	Input Power(W)	Temp. range (°C)	Capacity (L)	Net /Gross Weight(Kg)	Shelves / Drawer	Exterior Dimension WxDxH(mm)	Interior Dimension WxDxH(mm)	Packing Dimension WxDxH(mm)	Container Load (sets) 20'/40'/40'H
2-8°C/-20~-40°C Pharmaceutical Refrigerator with Freezer										
HYCD-282	220/50	400	2-8/-20~-40	(R)185 (F)97	145/160	-	725x620x1810	(R)605x460x720 (F)515x430x440	875 x 770 x 1920	12/26/26
HYCD-282A	220/50	400	2-8/-20~-40	(R)185 (F)97	145/160	-	725x620x1810	(R)605x460x720 (F)515x430x440	875 x 770 x 1920	12/26/26
Model	Voltage (V/Hz)	Input Power(W)	Temp. range (°C)	Capacity (L)	Net /Gross Weight(Kg)	Shelves/ Inner door	Exterior Dimension WxDxH(mm)	Interior Dimension WxDxH(mm)	Packing Dimension WxDxH(mm)	Container Load (sets) 20'/40'/40'H
2-8°C Pharmacy Refrigerator										
HYC-940	120/60 220/50	900	2-8	890	227/279	12/-	1130x760x1980	1025x563x1423	1254 x 840 x 2240	8/18/18
HYC-610	120/60 220/50	490	2-8	610	204/227	6/-	780x840x1960	680x620x1400	875 x 937 x 2097	12/26/26
HYC-360	220/50 220/60	430	2-8	360	99/114	5/-	620x655x1955	555x460x1340	705 x 715 x 2080	24/48/48
HYC-260	120/60 220/50 220/60	340	2-8	260	88/100	4/-	620x655x1720	555x460x1065	705 x 715 x 1900	24/48/48

Model	Voltage (V/Hz)	Input Power(W)	Temp. range (°C)	Capacity (L)	Net /Gross Weight(Kg)	Shelves/ Baskets	Exterior Dimension WxDxH(mm)	Interior Dimension WxDxH(mm)	Packing Dimension WxDxH(mm)	Container Load (sets) 20'/40'/40'H
2-8°C Built-in Pharmacy Refrigerator										
HYC-68	220/50	84	2~8	68	38/40	2/1	500x490x640	425x351x314	522 x 620 x 690	108/228/228
HYC-68A	220/50 120/60	84	2~8	68	38/40	2/1	500x490x640	425x351x314	522 x 620 x 690	108/228/228
Model	Voltage (V/Hz)	Input Power(W)	Temp. range (°C)	Capacity (L)	Net /Gross Weight(Kg)	Shelves/ Baskets	Exterior Dimension WxDxH(mm)	Interior Dimension WxDxH(mm)	Packing Dimension WxDxH(mm)	Container Load (sets) 20'/40'/40'H
2-8°C Built-in Pharmacy Refrigerator										
HBC-60	12V.DC	97	2~8	50	21	2	670×630×847	221×457×605	860×750×755	42/90/135
HBC-70	220/50	156	2~8	71	-/70	3	610x406x360	669*628*818	406*366*617	42/90/135
HBC-200	220/50	208	2~8	198	-/115	9	610x976x366	1239*628*818	976*366*617	24/54/81
HBC-340	220/50	310	2~8	340	-/165	11	1644×650×846	1444*450*570	1764×770×1046	18/36/36
Model	Voltage (V/Hz)	Input Power(W)	Temp. range (°C)	Capacity (L)	Net /Gross Weight(Kg)	Shelves/ Baskets	Exterior Dimension WxDxH(mm)	Interior Dimension WxDxH(mm)	Packing Dimension WxDxH(mm)	Container Load (sets) 20'/40'/40'H
4°C Blood Bank Refrigerator										
HXC-936	220/50 120/60	900	4±1	890	227/279	12/36	1130x760x1980	1025x563x1423	1254 x 840 x 2240	8/18/18
HXC-608A	220~240/50	490	4±1	608	220/243	5/25	846x913x1980	680x620x1360	911 x 1010 x 2117	12/26/26
HXC-608	220/50 220/60	490	4±1	608	204/227	6/24	780x840x1960	680x620x1400	857 x 937 x 2097	12/26/26
HXC-358	220/50 220/60	460	4±1	358	158/174	5/20	720x690x1730	620x470x1160	797 x 787 x 1857	14/30/30
HXC-258	220/50 220/60	400	4±1	258	146/160	4/16	720x690x1520	620x470x950	797 x 787 x 1647	14/30/30
HXC-158	220/50	350	4±1	158	107/120	4/4	560x570x1520	460x350x950	637 x 667 x 1647	27/54/54
HXC-106	220/50	160	4±1	106	49/52	3/4	500x514x1055	430x350x830	566 x 614 x 1120	72/152/152
4/22°C Blood Transportation Box										
HXC-80	DC12/24V AC100-240V/ 50 or 60Hz	DC 75 AC 105	4±1.5or22±2	80	58/65	-/4	1000x550x856	350x455x536	1140 x 600 x 900	36/76/76

Infection Control Equipment

Washer-Disinfector	Max Input Power(Kw)	Exterior Dimension WxDxH(mm)	Packing Dimension WxDxH(mm)	Effective Washing Area(L)	Temp. Control	Water Consumption Volume	Standard Shelves	Container Load (sets) 20'/40'/40'H
HRQX-480	25	1110×890×2040	1210×920×2340	480	Ambient Temp. to 93°C	25	5	8/16/16
HRQX-380	18	930×700×1990	1030x800x2450	380	Ambient Temp. to 93°C	18	5	14/28/28
HRQX-280	20	930×700×1840	1030x800x2040	280	Ambient Temp. to 93°C	15	4	14/28/28

Model	Voltage (V/Hz)	Input pressure(Mpa)	Body material	Cleaning cabinet material	Sterilizing temp.
General	380/50	0.3-0.8	SUS304	SUS304	93°C

Low Temperature Plasma Sterilizer	Voltage (V/Hz)	Exterior Dimension WxDxH(mm)	Sterilizing Chamber Dimensions WxDxH(mm)	Packing Dimension WxDxH(mm)	Net Volume	Sterilizing Speed (min)	Sterilizing Temp.(°C)	Information Process	Consumption of H_2O_2	Container Load (sets) 20'/40'/40'H
HRPS-120	220/ 50	740×950×1680	430×430×760	890×1070×1750	120L	around 42 minutes (standard cycle) around 52 minutes (strengthen cycle)	55 ± 5	Simultaneous display on a 5.6 inch touch-screen, intelligent memorizing and printing system	2.2ml/single cycle	12/12/24

Lab Products

Biological Safety Cabinet	Filtering Efficiency	Cleanness Class	Downflow Air Velocity	Inflow Air Velocity	Illumination	Noise (dB)	Exterior Dimension WxDxH(mm)	Operating Area WxDxH(mm)	Packing Dimension WxDxH(mm)	Suggested Operators	Container Load (sets) 20'/40'/40'H
HR40-IIA2	99.9995% @ 0.12μm	$10^{\#}$	0.32m/s	0.62m/s	≥1000Lx	≤64	1360×790×2200	1167×450×680	1490×880×2200	1~2	7/16/16
HR40-IIB2		$10^{\#}$	0.32m/s	0.62m/s	≥1000Lx	≤65	1360×790×2300	1167×450×680	1490×880×2400	1~2	7/16/16
HR60-IIA2		$10^{\#}$	0.32m/s	0.62m/s	≥800Lx	≤64	1960×790×2200	1734×450×680	2050×880×2200	2~3	6/13/13

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