

General Product Catalogue

Better Science Better Life

ABOUT ZHONGKE MEILING

Zhongke Meiling Cryogenics company is a joint venture which was founded in 2002 by Changhong Meiling Co., Ltd. and Chinese Academy of Sciences. We are awarded as a national new high-tech enterprise, engaging in life science and cold chain solutions.

Our company's main products include lab / medical refrigerator and freezer, ultra-low temperature freezer, blood bank refrigerator, inventory rack/box, professional cold storage, and biobank management system.

We are dedicated to providing solutions including MIBS intelligent biobank, wireless intelligent temperature monitoring, cold-chain storage, blood security solution and CO2/liquid nitrogen backup system.

Zhongke Meiling is aiming to research and develop cryogenic preservation solutions for medical health care, disease control and epidemic prevention, blood bank system, scientific research institutions, bio-pharmaceutical factories, genetic engineering and life science. We have the perfect service system and have obtained international ISO, CE, UL certifications.

Better Science Better Life!



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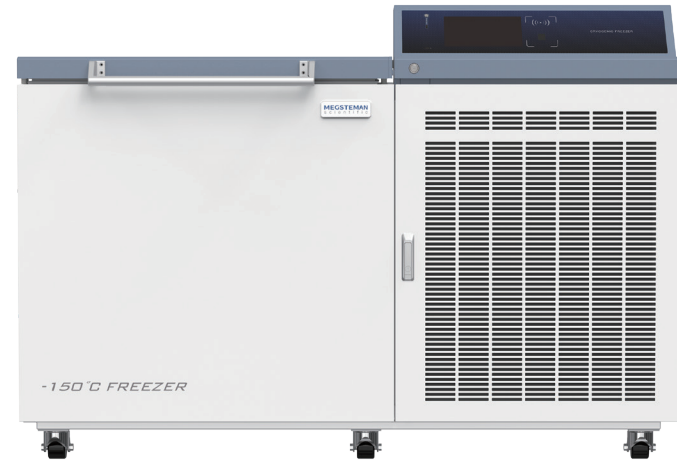
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-150°C Cryogenic Freezer

The cryogenic freezer is designed for applications for low temperature scientific experiments, and long-term preservati of cells, DNA, bone material, bacteria etc.,and can be an alternative to LN2 tanks.



Reliable system
Central pressure regulation technology



Touch screen
10"LCD touch screen



Excellent insulation
Multiple foaming process combined with specific foam materials specific hardness and density



Anti-corrosion interior
304 stainless steel liner



Vaccum insulation
VIP insulation foaming



Alarms system
11 kinds of alarm functions



Model	Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-UW128C	128	-110~-150	1710*1000*1160	510*460*540	388

-86°C Twindrive Frequency Conversion ULT Freezer

Twindrive -86 °C Ultra Low Temperature Freezer adopts by two independent refrigeration systems and the Dual Cooling System offers the highest level of protection, if one system unexpectedly fails the other can maintain the freezer around the -75 °C. Valuable and irreplaceable samples can always be securely stored with the highest confidence even if the compressor fails.



DW-HL780



DW-HL530



M-TwinDrive
Two high-efficiency refrigeration systems



Touch screen
10"LCD touch screen



Extreme labor-saving
Ergonomic handle



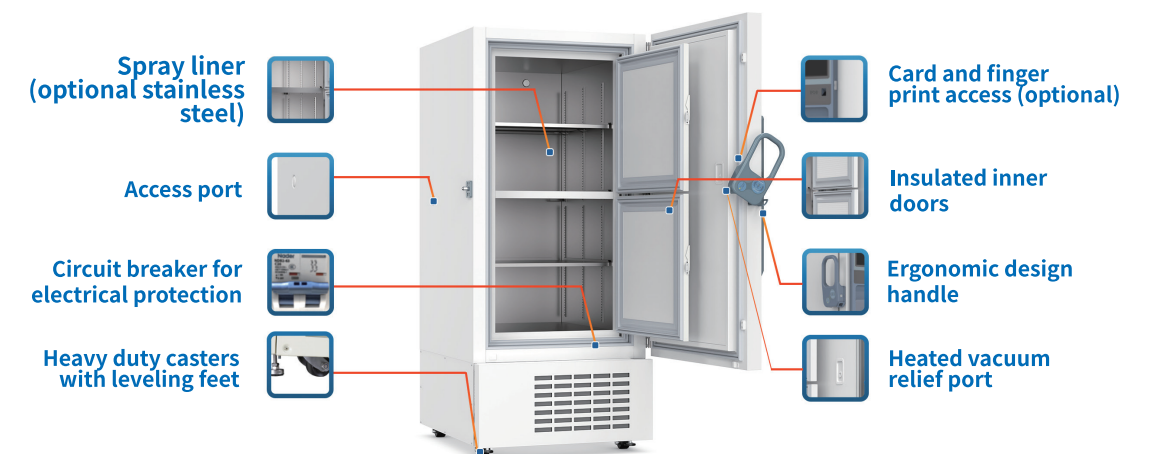
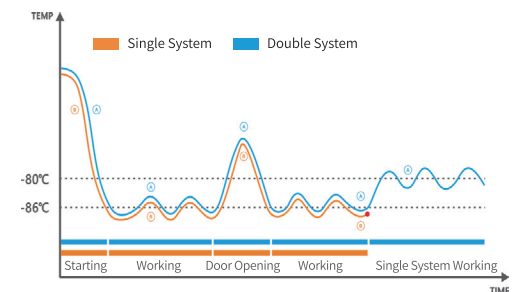
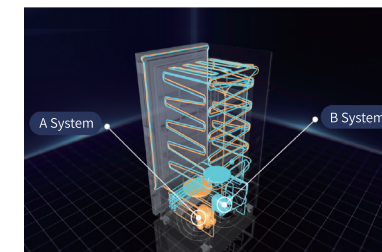
Inverter technology
Two inverter compressors



Vaccum insulation
VIP insulation foaming



Alarms system
10 kinds of alarm functions



*Please refer to the actual product for the specific status of the product.

Model	Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-HL780	780	-40~-86	1205*1025*1955	865*696*1286	331
DW-HL530	530	-40~-86	930*1041*1947	585*696*1266	276

-86℃ Cascade Frequency Conversion ULT Freezer

Cascade system ULT freezer that consists of two stages cascade cooling technology with absolute hydrocarbon refrigerant, which are R290 and R170 as natural gas.The inverter compressors programmed to help energy saving under long period preservation or provide fast temperature recovery while frequently door open to maintain specimens liveness.



DW-HL398S DW-HL528S DW-HL678S DW-HL778S DW-HL858S DW-HL1008S

- Cascade system**
Two-stage cascade system
- Touch screen**
10"LCD touch screen
- Hydrocarbon refrigerant**
Environment-friendly
- Inverter technology**
Two inverter compressors
- Vacuum insulation**
VIP insulation foaming
- Alarms system**
10 kinds of alarm functions



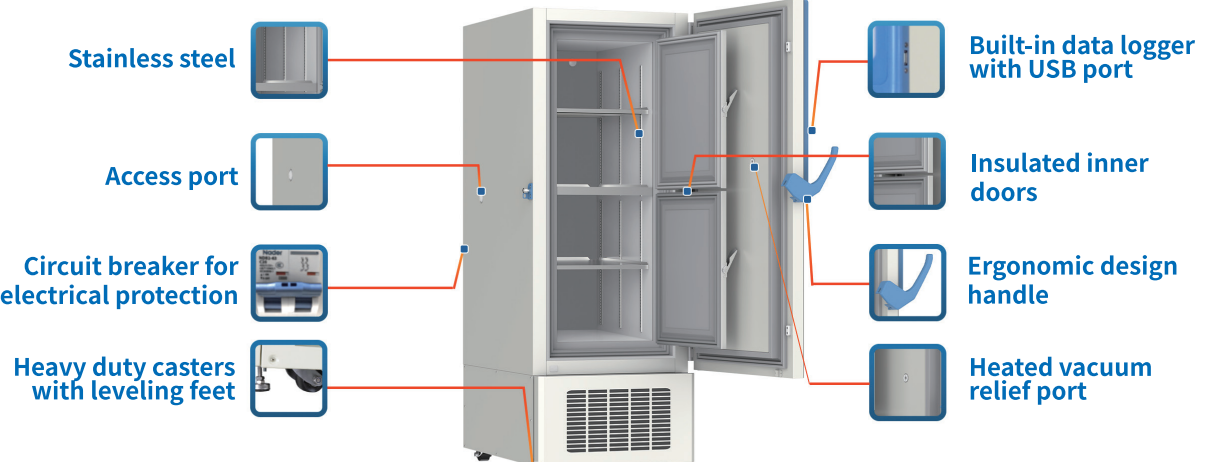
-86℃ Ultra-low Temperature Freezer

Chest type and undercounter type for various applications
Targeted Refrigeration · Fast Refrigeration
Energy-saving & Environmentally Friendly



DW-HL1008 DW-HL858 DW-HL778 DW-HL678 DW-HL528 DW-HL398

- Temperature control system**
Temperature display accuracy: 0.1℃
- Touch screen**
7"LCD touch screen
- Built-in data logger**
Data is stored for 10 years
- CE certificate**
- Excellent compressor**
- Alarms system**
10 kinds of alarm functions



*Please refer to the actual product for the specific status of the product.

Model	Volume (L)	Temperature(℃)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-HL398S	398	-40~-86	785*1041*1947	440*696*1266	241
DW-HL528S	528	-40~-86	930*1041*1947	585*696*1266	260
DW-HL678S	678	-40~-86	1090*1025*1955	750*696*1286	308
DW-HL778S	778	-40~-86	1205*1025*1955	865*696*1286	330
DW-HL858S	858	-40~-86	1217*1025*1994	877*696*1378	358
DW-HL1008S	1008	-40~-86	1362*1025*1994	1022*696*1378	387

Model	Volume (L)	Temperature(℃)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-HL398	398	-40~-86	785*1041*1947	440*696*1266	237
DW-HL528	528	-40~-86	930*1041*1947	585*696*1266	286
DW-HL678	678	-40~-86	1090*1025*1955	750*696*1286	330
DW-HL778	778	-40~-86	1205*1025*1955	865*696*1286	365
DW-HL858	858	-40~-86	1217*1025*1994	877*696*1378	390
DW-HL1008	1008	-40~-86	1362*1025*1994	1022*696*1378	426

-86℃ Ultra-low Temperature Freezer

DW-HL340, DW-HL398D, DW-HL528D is designed and manufactured for long-term storage of various biological products.



DW-HL340

DW-HL398D

DW-HL528D



Temperature control system
Display temp.in 0.1℃ increments



Vacuum insulation
VIP insulation foaming



Built-in data logger
Store up to 100,000 groups of temperature data



Hydrocarbon refrigerant
Environment-friendly natural gas



Excellent compressor



Alarms system
10 kinds of alarm functions

Spray liner (optional stainless steel)



Access port



Circuit breaker for electrical protection



Heavy duty casters



Built-in data logger with USB port



Insulated inner doors



Padlock



Ergonomic design handle



Model	Volume (L)	Temperature(℃)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-HL340	340	-40~-86	807*1072*1797	460*712*1080	218
DW-HL398D	398	-40~-86	785*1041*1947	440*696*1266	224
DW-HL528D	528	-40~-86	930*1041*1947	585*696*1266	249

-40℃ /-30℃ Ultra-low Temperature Freezer

-40℃/-30℃ Ultra-low Temperature Freezers are equipped with efficient refrigeration system, accurate control system and scientific structural design, energy saving and environmental protection.



DW-FL90

DW-FL270

DW-FL450

DW-FL528

DW-XL668

DW-XL90



Temperature control system
Display temp.in 0.1℃ increments



RS485 interface



Alarms system
10 kinds of alarm functions



CE certificate



Excellent compressor



Built-in data logger
Store up to 100,000 groups of temperature data

Model	Volume (L)	Temperature(℃)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-FL90	90	-20~-40	660*645*815	500*485*532	54
DW-FL270	270	-20~-40	746*700*1792	500*460*1235	98
DW-FL450	450	-20~-40	856*789*1960	(650*570*627)*2	144
DW-FL528	528	-20~-40	930*1041*1947	585*696*1266	234
DW-XL90	90	-10~-30	600*624*812	440*465*480	52
DW-XL668	668	-10~-30	883*890*1936	700*715*1296	156

-25℃ Biomedical Freezer

Suitable for use in blood banks, hospitals, health and disease prevention systems, research institutions, colleges & universities, the electronic industry, biological engineering, laboratories in colleges & universities, military enterprises, deep-sea fishing companies, etc.



DW-YL270

DW-YL450

DW-YL90

Model	Volume (L)	Temperature(℃)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-YL90	90	-10~-25	660*645*815	500*485*532	51
DW-YL270	270	-10~-25	746*700*1792	500*460*1235	96
DW-YL450	450	-10~-25	856*789*1960	(650*570*627)*2	136

2~8/-10~-26/-40℃ Combined Refrigerator and Freezer

Separate Control of Refrigeration and Freezing.



YCD-EL300

YCD-FL289

YCD-EL450

YCD-FL519



Temperature control system

Display temp.in 0.1℃ increments



Upper chamber with double-pane glass



Built-in data logger

Store up to 100,000 groups of temperature data



CE certificate



2 independent compressors



Alarms system

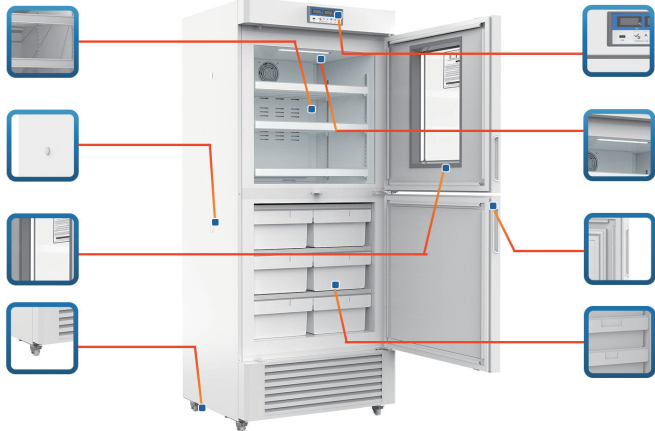
10 kinds of alarm functions

Plastic coated steel wire

Access port

Double-pane glass door

4 castors with 2 brakes



Built-in data logger with USB port

LED lights turn on automatically

Hidden handle

ABS drawer

2~8℃ Pharmacy Refrigerator

High-quality product

Temperature uniformity

Ensuring safety of storage



YC-130L

YC-650CL

YC-725L

YC-1015L

YC-1320CL

YC-1505L



Temperature control system

Display temp.in 0.1℃ increments



Double-pane glass



Built-in data logger

Store up to 100,000 groups of temperature data



CE certificate



Hydrocarbon refrigerant

Environment-friendly



Alarms system

10 kinds of alarm functions



Model	Volume (L)	Temperature(℃)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
YC-55L	55	2~8	540*560*632	444*440*404	35
YC-75L	75	2~8	540*560*764	444*440*536	41
YC-130L	130	2~8	650*625*810	554*510*588	51
YC-315L	315	2~8	650*673*1762	580*533*1122	87
YC-395L	395	2~8	650*673*1992	580*533*1352	95
YC-525L	525	2~8	720*810*1973	610*685*1264	141
YC-650L	650	2~8	715*941*1985	605*725*1515	157
YC-650CL	650	2~8	715*941*1985	605*725*1515	157
YC-725L	725	2~8	1093*772*1992	980*595*1260	171
YC-1015L	1015	2~8	1180*900*1990	1070*670*1515	185
YC-1320L	1320	2~8	1453*881*1998	1340*670*1515	258
YC-1320CL	1320	2~8	1453*881*1998	1340*670*1515	258
YC-1505L	1505	2~8	1798*886*1997	1685*670*1514	322

2~8℃ Ice-lined Refrigerator/Solar Direct Drive Refrigerator

For vaccine storage,in compliance with PQS , RoHS, CE and calib



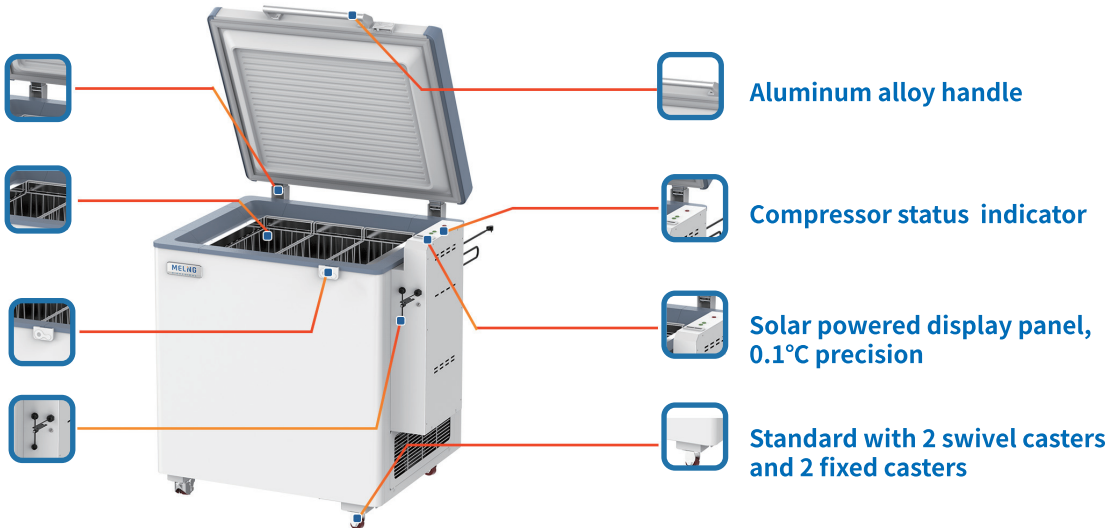
- Temperature control**
Electronic temperature controller, digital display with 0.1℃ precision
- Stainless steel liner**
Easy to clean and durable
- Built-in data logger**
Store up to 100,000 groups of temperature data
- Certificate**
The appliance has a Data Logger that complies with "WHO/PQS/E006/DL01" and "WHO/PQS/E006/DS01"
- Eco-friendly**
HC refrigerant R600a
- Alarms system**
High temperature,low temperature,sensor failure, high ambient temperature, etc. ensuring safety storage

The door hovers with a 30°-60°door-opening angle, convenient for users to store and take out vaccines/samples.

Standard configuration, equipped with 5 baskets

Safety lock, standard with 2 keys

USB type-C interface



Model	Volume (L)	Temperature(℃)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
YC-125EW	125	2~8	929*834*966	558*436*590	134
TC-125WSDD	125	2~8	929*834*966	558*436*590	134

4℃ Blood Bank Refrigerator

4℃ blood bank refrigerators provide precise temperature control and continuous monitoring that meets various criteria for storage of whole blood and blood derivatives, so as to ensure blood quality safety. Its intelligent touch screen provides a convenient and smart user interface.

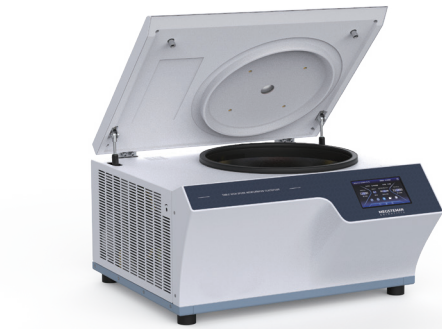


- Air cooling**
- Double-pane glass**
- Built-in data logger**
Store up to 100,000 groups of temperature data
- Temperature control system**
Display temp.in 0.1℃ increments
- Hydrocarbon refrigerant**
Environment-friendly
- Alarms system**
10 kinds of alarm functions



Model	Volume (L)	Temperature(℃)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
XC-168L	168	2~6	654*774*1330	525*550*744	116
XC-170L	170	2~6	654*774*1330	525*550*744	106
XC-380L	380	2~6	717*660*1999	604*494*1310	134
XC-630L	630	2~6	818*912*1978	685*690*1373	185
XC-618L	618	2~6	818*942*1978	685*690*1373	218

Centrifuge



High and low speed

Compatible with the requirements of different centrifugal high and low speed, the maximum speed can reach 17500rpm, and the speed accuracy can be maintained ±10rpm. At the same time, it ensures that the temperature can be reduced from normal temperature to 4°C in the fastest 4 minutes under cooling state, and the temperature control accuracy is maintained at ±1°C, with precise temperature and speed control, truly achieving multiple uses of one machine.

Large capacity

Fixed-angle rotor and Swing-bucket rotor can be selected, and the capacity is compatible with 0.2ml, 0.5ml, 1.5ml, 5ml, 10ml, 15ml, 50ml, 100ml, 250ml, 500ml, 750ml, various blood collection tubes and 96-well enzyme plate.

Maximum capacity of angle rotor 6*250ml; Maximum capacity of horizontal rotor 4*750ml.

Multifunction

It has the functions of instantaneous centrifugation, step centrifugation and one-button precooling to meet the needs of different centrifugal experiments.

Program collection customization, you can freely collect 1000+ group parameter programs as needed and use them with one click.

Real-time display of speed/centrifugal force/temperature/rotor type/time/acceleration and deceleration gear and operation mode,ect.

Technical Parameters

Product model	Maximum speed	Max. Rcf	Max. capacity	Running time	Noise	Accuracy	Supply voltage	Weight	Dimension (W*D*H)
CT-Q175R	17500rpm	29102xg	4*750ml	1s~99h59min59s	≤58dB	±10rpm	220-230V, 50HZ	121kg	746*746*405



Swift Centrifugation

The maximum centrifugal force:32531xg, the maximum speed: 18500r/min and the speed accuracy:±1 rpm;

Short pre-cooling time of only 4 minutes from room temperature25°C to 4°C

Precise PID temperature control, temperature accuracy ±1°C

Adaptation to various rotors like common and biosafety angle rotor, realizing multi-usage.

Secure and Stable

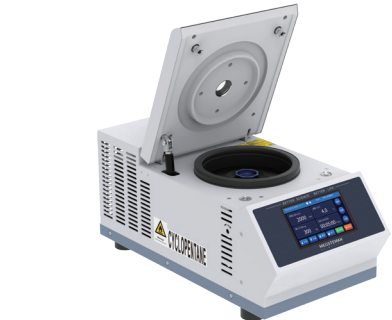
7 alarm functions + protection linkage device,enhancing safety for man and machine;

Multi-stage damping design, reducing the amplitude to 0.003mm;

Die-casting aluminum alloy base, making the machine running safely and stably.

Technical Parameters

Product model	Maximum speed	Maximum relative centrifugal force	Maximum capacity	Temperature range	Noise	Speed accuracy	Supply voltage	Weight	Dimension (W*D*H)
CT-G185R	18500rpm	32531xg	6*50ml	-20~40°C	57dB (A)	±1rpm	220-230V, 50/60HZ	57kg	380*645*310mm



Rapid Cooling

·Short pre-cooling time of only 4 minutes from room temperature to 4°C

·Using PID algorithm to accurately control temperature ±1°C

Accurate Centrifugation

·Maximum centrifugal force 25877xg

·maximum speed 16500rpm

·Speed accuracy ±1 rpm

·Super low amplitude 0.003mm

Technical Parameters

Product model	Maximum speed	Maximum relative centrifugal force	Maximum capacity	Setting time range	Noise	Speed accuracy	Supply voltage	Weight	Dimension (W*D*H)
CT-G165R	16500rpm	25877xg	12*5ml	1s~99h59min59s	≤60dB(A)	± 1rpm	220-240V, 50HZ	46kg	310*595*280

Centrifuge



Large Capacity High-speed Refrigerated Centrifuge

Excellent Performance

Maximum speed 21000rpm; Maximum centrifugal force 47580xg;

Speed accuracy of ±10rpm; The temperature can be reduced from room temperature to 4°C in 4 minutes at the fastest under refrigeration state; Temperature control accuracy is maintained at ±1°C, ensuring the centrifugal effect throughout the process.

Large Capacity

Compatible with 10ml, 50ml, 250ml, 500ml, 1000ml fixed-angle rotors;

Equipped with adapter, sample volume can be freely selected; It covers all sample separation experiments under high-speed conditions.

Technical Parameters

Product model	Maximum speed	Maximum relative centrifugal force	Maximum capacity	Temperature range	Noise	Speed accuracy
CL-G210R	21000rpm	49796xg	6*1000ml	-20°C~40°C	≤65dB	± 10rpm
	Temperature accuracy	Setting time range	Power supply	Weight	Dimensions mm (width*depth*height)	
	± 1°C	1s~99h59min59s	220V/50Hz	303kg	740*945*940mm	



Stable Operation

he flexible shaft drive system directly drives the rotor, with balanced operation, low vibration, and three-level shock absorption to achieve the best centrifugal effect.

Various range of rotors for application flexibility

With a diverse selection of hanging baskets and adapters to accommodate various needs. Compatible with 2~10ml blood collection tubes, 10ml, 15ml, 50ml centrifuge tubes, and 200ml, 400ml, 500ml blood bags. Max. capacity of the fixed angle rotor: 6*500ml. Max. capacity of the swing-out rotor: 6*1000ml.

Technical Parameters

Product model	Maximum speed	Maximum relative centrifugal force	Maximum capacity	Temperature range	Noise	Speed accuracy
CL-D60R	6000rpm	6600xg	6*1000ml	-20°C~40°C	≤63dB	±10rpm
	Temperature accuracy	Setting time range	Power supply	Weight	Dimensions (W*D*H)	
	±1°C	1s~99h59min59s	220V/50Hz	323kg	740*920*900mm	



Excellent Performance

The maximum speed: 6000r/min The speed accuracy: ±1r/min

The speed, centrifugal force, time and temperature can be changed by user during the centrifugation process.

Various range of rotors for application flexibility

Compatible with both fixed-angle rotors and swing-out rotors, and equipped with a variety of hanging baskets and adapters, with capacities including 10ml, 15ml, 50ml, 100ml and various types of blood collection tube rotors.

Technical Parameters

Product model	Maximum speed	Maximum relative centrifugal force	Maximum capacity	Setting time range	Noise	Speed accuracy	Supply Power	Weight	Dimension (W*D*H)
CT-D60	6000rpm	5104xg	6*100ml	1s~99h59min59s	≤63dB	±1rpm	500W	37kg	380*535*318mm

Biosafety cabinet

The professional air purification equipment suitable for medical and health industries, scientific research laboratories of universities and colleges as well as other fields.



BSC900-IIA2-W

BSC1200-IIA2-W

BSC1500-IIA2-W

BSC1800-IIA2-W

Cutting-edge Control Technology

Enhancing self-regulation of speed is crucial for ensuring a stable flow rate of both downflow and inflow. This improvement not only boosts safety but also increases durability. Additionally, the design of a DC centrifugal fan can achieve both low noise levels and high efficiency.

Brand Fan

The high-configuration, maintenance-free EBM independent fan features independently controllable the downflow and inflow velocity, resulting in improved stability of air velocity. Additionally reduces the failure rate of the fan and enhances the overall maintainability of the product.

Touch Screen

The 7-inch LCD touch screen can dynamically display the parameters such as the downflow and inflow velocity, the remaining life of the UV light and filter, temperature and humidity, date/time, product usage status, etc.

High-precision Wind Speed Sensor

Equipped with high-precision dual wind speed sensors which can detect the downflow and inflow airflow velocity in real time and accurately, ensuring the stable regulation of the airflow speed by the control system.

Product model	BSC900-IIA2-W	BSC1200-IIA2-W	BSC1500-IIA2-W	BSC1800-IIA2-W
Cleanliness class	ISO class 3	ISO class 3	ISO class 3	ISO class 3
Filter efficiency	99.9995%@0.12 μ m	99.9995%@0.12 μ m	99.9995%@0.12 μ m	99.9995%@0.12 μ m
Downflow velocity	0.32m/s	0.32m/s	0.32m/s	0.32m/s
Inflow velocity	0.53m/s	0.53m/s	0.53m/s	0.53m/s
Noise	≤62dB(A)	≤62dB(A)	≤62dB(A)	≤62dB(A)
Average illumination	≥ 1000lx	≥1300lx	≥1500lx	≥1300lx
Weight	215kg	251kg	289kg	327kg
Fluorescent light specification and quantity	LED 9W*2	LED 18W*2	LED 23W*2	LED 23W*2
Uv light specification and quantity	40W*1	40W*1	40W*1	40W*1
External Dimensions (W*D*H)	1008*822*2088mm	1308*822*2088mm	1608*822*2088mm	1908*822*2088mm
Working area dimensions(W*D*H)	900*625*650mm	1200*625*650mm	1500*625*650mm	1800*625*650mm
Vibration/half peak value	≤5 μ m	≤5 μ m	≤5 μ m	≤5 μ m
Input power	1400VA	1600VA	1800VA	2000VA
Applicable number of persons	1	1~2	2	2~3

Biobank Liquid Nitrogen Tank

Biobank series provides users with a safe and reliable deep cryogenic LN2 storage system.The tank is made of high-quality stainless steel, with casters and brakes, a hinged lid for easy opening, and a large aperture opening facilitates sample storage. Samples can be stored in liquid and vapor phases, and the microcomputer touch control system provides greater convenience and safety.



MYDD-350(R)

MYDD-450(R)

MYDD-550(R)

MYDD-750(R)

MYDD-850(R)

MYDD-1000(R)

Large capacity/caliber

Multiple configuration options to meet storage needs ranging from 13,000 to 128,350 samples, optimizing space utilization while reducing storage costs. Extra-large caliber, including tank calibers of 317, 440, 465, and 635, convenient for sample storage and easy to use.

Optional vapor phase & liquid phase

The vapor phase or liquid phase storage method can be freely selected, and the storage area temperature is constant and close to the liquid nitrogen temperature when the vapor phase is used.

Low energy consumption, high cooling retention

High vacuum insulation,wrapped multi-layer insulation technology, uniform and stable insulation design, can achieve low energy consumption of the container, and keep the port temperature stable below -190°C.

Intelligent monitoring

The management system can be connected to the server via 4G IoT or WIFI, and users can view monitoring data on a computer or APP.

Intelligent fluid replenishment

Through precise monitoring of internal temperature and liquid level in LN2 tanks,complemented by an automated refill system, intelligent management of liquid nitrogen replenishment is achieved.

Intelligent management

10-inch LCD screen,user-friendly design,simple one-click operation make sample partitioning easily and sample storage and access more conveniently.

Automated auxiliary system

Optional detachable auxiliary lifting device, convenient operation, and free control of sample storage and access.

Intelligent management

The management system can be connected to the server via 4G IoT or WIFI, and users can view monitoring data on a computer or APP.

Model	MYDD-350(R)	MYDD-450(R)	MYDD-550(R)	MYDD-750(R)	MYDD-850(R)	MYDD-1000(R)
Liquid nitrogen at the bottom of the tray(L)	55	58	85	85	135	135
Caliber(mm)	350	445	605	802	857	1000
Internal effective height(mm)	317	317	440	440	465	465
Outer diameter(mm)	667	888	662	914	795	907
Total height(mm)	860	860	1160	1160	1190	1190
Lifting arm height(mm)	1420	1645	1535	1785	1665	1775
Empty tank weight(kg)	2465	2688	2580	2830	2668	2781
Tank operating height(mm)	262	320	440	475	462.5	482
Total weight at full load(mm)	1018	1050	1100	1165	1065	1175
Door width requirement≥mm	560	700	990	1185	1220	1320

Laboratory Liquid Nitrogen Tank

The laboratory series products are compact and lightweight, low liquid nitrogen consumption, moderate cryogenic storage capacity, small footprint, and convenient access, easily meet the needs of laboratory professionals,They are widely used by specialized users including laboratories, university research institutions, medical facilities, and other professional organizations.



Compact and lightweight

Special durable aluminum construction, compact and lightweight



low liquid nitrogen consumption

High-vacuum insulation technology & wrapped multilayer insulation can easily achieve low energy consumption. Some products can achieve a minimum static evaporation rate of 0.33L/D and a maximum static liquid nitrogen storage of 202D.



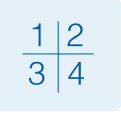
Multi-product options

The 125 and 216mm diameters can be combined with 100 to 7,000 2ml standard cryotubes to perfectly match laboratory needs. A variety of products are available, and there is a long-term storage design to easily take and place samples.



Optional smart stopper

High-precision level and temperature monitoring with real-time display. and free setting of SMS, phone, WeChat and other alarms.



Convenient access

The cryoracks and boxes are marked to help users find the samples quickly and efficiently.



Low heat transfer design

Special insulated connection between the inner and outer tanks, narrow-neck design, special fiberglass material to block the heat conduction inside and outside the liquid nitrogen tank, achieve cliff-like insulation of the inner and outer tanks, and ensure uniform temperature inside the tank.



Standard multi-layer square buckets

Specially designed for biological sample storage, especially for medical and biological research fields. Storage products have large capacity, occupy a small space.



Optional transport trolley

Optional transport carts in various specifications are available for easy tank mobility.

Model		MYDS-10-125-FS	MYDS-30-125-FS	MYDS-35-125-FS	MYDS-50-125-FS	MYDS-65-216-FS	MYDS-95-216-FS	MYDS-115-216-FS	MYDS-145-216-FS	MYDS-175-216-FS
Geometric volume(L)		10	32	36	50	65	95	115	145	175
Caliber(mm)		125	125	125	125	216	216	216	216	216
Square bucket	Quantity(ea)	1	6	6	6	6	6	6	6	6
	Size(mm)	81*85	81*85	81*85	81*85	139*141	139*141	139*141	139*141	139*141
	Box size(mm)	76*76	76*76	76*76	76*76	132*132	132*132	132*132	132*132	132*132
	Number of square bucket layers(ea)	4	4	5	6	4	5	6	8	10
	Quantity of 2ml external revolve tube	100	600	750	900	1944	2430	2916	3888	4860
	Quantity of 2ml internal revolve tube	100	600	750	900	2400	3000	3600	4800	6000

Laboratory Consumables



Freezer rack open



Drawer Type:6 Layers and 5 Columns
(ZKL304-652B-CT)



Drawer Type:5 Layers and 5 Columns
(ZKL304-552B-CT)

Model	Freezer Rack Model	Rack Description	Freezer Rack Quantity	Freezer Box Quantity	Cryo Tube Quantity (2ml)
DW-HL50	ZKL304-632B-CT	2 inches stainless steel sliding -drawer freezer rack 6*3 (2 inch freezer box*18)	2	36	3600
DW-HL100	ZKL304-432B-CT	2 inches stainless steel sliding -drawer freezer rack 4*3 (2 inch freezer box*12)	3	63	6300
	ZKL304-332B-CT	2 inches stainless steel sliding -drawer freezer rack 3*3 (2 inch freezer box*9)	3		
DW-HL218	ZKL304-542B-CT	2 inches stainless steel sliding -drawer freezer rack 5*4 (2 inch freezer box*20)	3	132	13200
	ZKL304-642B-CT	2 inches stainless steel sliding -drawer freezer rack 6*4 (2 inch freezer box*24)	3		
DW-HL340	ZKL304-542B-CT	2 inches stainless steel sliding -drawer freezer rack 5*4 (2 inch freezer box*20)	9	216	21600
	ZKL304-432B-CT	2 inches stainless steel sliding -drawer freezer rack 4*3 (2 inch freezer box*12)	3		
DW-HL398	ZKL304-552B-CT	2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	12	300	30000
DW-HL528/530	ZKL304-552B-CT	2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	16	400	40000
DW-HL678	ZKL304-552B-CT	2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	20	500	50000
DW-HL778/780	ZKL304-552B-CT	2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	24	600	60000
DW-HL858	ZKL304-552B-CT	2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	12	660	66000
	ZKL304-652B-CT	2 inches stainless steel sliding -drawer freezer rack 6*5 (2 inch freezer box*30)	12		
DW-HL1008	ZKL304-552B-CT	2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	14	770	77000
	ZKL304-652B-CT	2 inches stainless steel sliding -drawer freezer rack 6*5 (2 inch freezer box*30)	14		



CO2 backup system

- Small footprint and portable with convenient installation;
- Applicable to all the ULT freezers or refrigeration cabinet which has access port;
- 48 hours battery back-up in case of main power failure;
- Large capacity, maintenance-free battery;
- Visible and audible indicators of system status, perfect alarm system to protect your samples safety;
- Door safety interlock switch prevents coolant injection if freezer door is opened; Injection valve will back to the original state once the door is closed properly.



Chart Recorder

- The module measures temperature by means of a probe filled with a neutral gas linked to a capillary tube;
- This technology provides you with temperature recorders without electronics;
- No power supply is required;
- A spring maintains the fiber pen arm for a better reliability of the system;
- A locked door avoids any trouble during the monitoring process;
- European imported brand, durable and reliable.

*The model, parameters and performance specified in this brochure may be changed without prior notice because of product upgrading.
*There may be differences between the product images shown in this brochure and the actual products. When you are buying any product, please check the actual product.