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Refrigerator

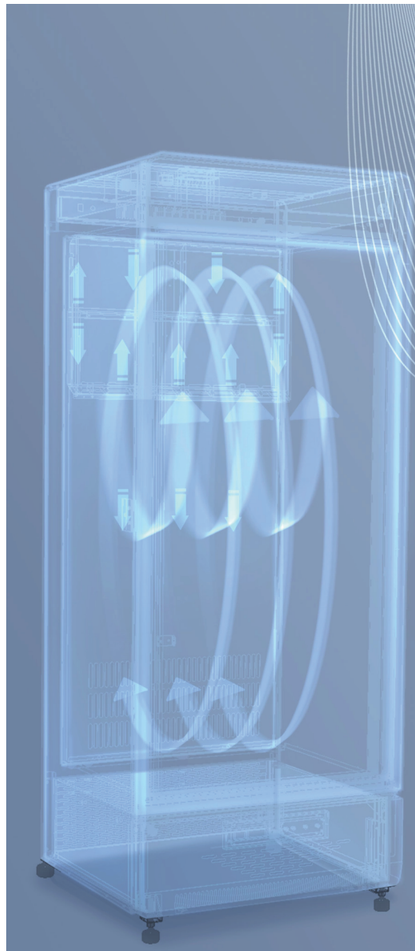


Range of application

- This product is suitable for cold storage of items in hospitals, pharmacies, epidemic prevention stations, research institutions, biopharmaceutical units, etc.; It also can be used for cold storage of drugs, vaccines, reagents and various items requiring cold storage.

Product details

- Centrifugal fan combined with three-dimensional circulating air duct design ensures excellent temperature uniformity inside the chamber;
- The door adopts an integrated floor-to-ceiling structure with a patented fully tempered glass door featuring rounded corners, which is aesthetically pleasing, safe, and collision-proof;
- Equipped with a high-precision computer temperature control system with digital temperature display (0.1°C accuracy), ensuring precise and stable operation;
- An overcurrent protection device is installed to prevent excessive input current in the circuit and guarantee safe equipment operation;
- A well-developed system audible and visual alarm system includes multiple functions such as high-temperature alarm, low-temperature alarm, sensor failure alarm, door-open alarm, and power failure alarm, ensuring safer sample storage;
- The exterior color scheme features a contrasting color combination, exuding an elegant and visually striking aesthetic;
- "Zero shared space" design maximizes the chamber's usable volume.Internally and externally made of stainless steel with insulation thickness of 60-75mm or better, stainless steel coated Door/Aluminum with safety insulation.



Clear Vision, Automatic Protection

High-transparency, anti-fog, panoramic glass integrated system door. Equipped with advanced Low-E coating technology, combined with a vacuum double-layer structure and filled with inert gas, it provides a clear and comfortable visual experience; precision metal frame for sturdy protection; automatic door control, with an alarm if the door is not closed properly.

Elegant Curves, Safe and Explosion-Proof

A one-piece door that extends all the way to the ceiling, featuring patented rounded corners and a fully tempered door body. It combines aesthetic appeal with safety, effectively preventing bumps and collisions.

High-Performance Cooling, 6-Sided Thermal Insulation

A multi-point, multi-dimensional, and multi-circulation air duct design system. With circulating airflow, rear air discharge, and unobstructed side air outlets, it creates a uniform 3D full-coverage circulating cold air effect.

Pioneering "Zero Shared Space" Inside the Cabinet

Larger storage capacity within the box, rejecting “false labeling.” Increased quantity without increased price

3D Air Outflow, Precise Temperature Control

A multi-faceted, three-dimensional air outlet structure enables precise temperature regulation within a margin of less than ±2°C.

Adjustable shelves for flexible storage.

Within the same floor area, the unit space is fully utilized to improve the actual usage rate and allow for more shelf configurations.

Product parameters

Model	Internal Temperature (℃)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Shelf
VITA RF-420	2~8	405	646*730*1970	510*555*1561	320	8
VITA RF-520	2~8	515	808*730*1970	672*555*1451	420	7
VITA RF-550	2~8	535	808*730*1970	672*555*1561	420	8
VITA RF-720	2~8	715	998*776*1988	858*565*1478	240	7
VITA RF-1030	2~8	1000	1296*776*1988	1200*565*1478	290	14

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RFID Refrigerator



Product details

- Centrifugal fan combined with three-dimensional circulating air duct design ensures excellent temperature uniformity inside the chamber;
- The door adopts an integrated floor-to-ceiling structure with a patented fully tempered glass door featuring rounded corners, which is aesthetically pleasing, safe, and collision-proof;
- Equipped with a high-precision computer temperature control system with digital temperature display (0.1°C accuracy), ensuring precise and stable operation;
- An overcurrent protection device is installed to prevent excessive input current in the circuit and guarantee safe equipment operation;
- A well-developed system audible and visual alarm system includes multiple functions such as high-temperature alarm, low-temperature alarm, sensor failure alarm, door-open alarm, and power failure alarm, ensuring safer sample storage;
- The exterior color scheme features a contrasting color combination, exuding an elegant and visually striking aesthetic;
- "Zero shared space" design maximizes the chamber's usable volume.

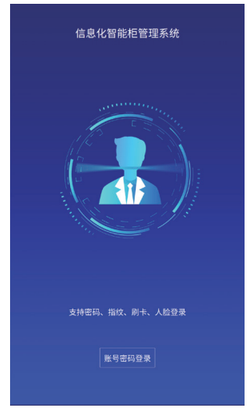
Range of application

- This product is designed to provide a storage environment within the temperature range of 2°C to 8°C. It is suitable for pharmacies, pharmaceutical factories, epidemic prevention stations, health clinics, hospitals, and other similar facilities for the storage of biological products and items that require storage at ambient temperatures between 2°C and 8°C.

Product functions

15.6-inch ultra-clear large screen + smart sample management software





Intelligent Control System

- Computer-controlled system with precise temperature regulation at 2-8°C (display resolution: 0.1°C);
- High-precision temperature sensors can monitor temperature changes in real-time, achieving automatic regulation within the set temperature range;
- Back exhaust with three-dimensional circulation maximize usable space for storage space and ensuring uniformity of the chamber temperature;
- Equipped with multiple alarm functions, including high/low temperature, sensor failure, door opening, power failure, high ambient temperature, refrigeration system, and communication failure.

Smart Sample Management

- High-frequency RFID paired with a sample management system enables automated sample management through automatic identification;
- RFID tag information is stored with encryption, and the read-only attribute ensures that the information cannot be deleted or altered;
- Facial recognition via high-definition cameras combined with electromagnetic lock linkage for door opening realizes access control and sample security;
- Embedded 15.6-inch HD LCD touchscreen with visualized management interface, enabling real-time in/out storage tracking and instant inventory status visibility;
- One-click automatic inventory check, with expiration warning and real-time display of inventory status.

Product Details

- Unique large-radius box design, aesthetically pleasing and explosion-proof;
- Integrated top-to-bottom tempered glass door, filled with inert gas, combined with electric heating design, effectively prevents condensation;
- Equipped with over-current protection device, ensuring the safe operation of the equipment at all times.

Human-Centered Design

- Role-based permission allocation for orderly management;
- Remote monitoring via WEB interface with visualized operation status;
- Clear and understandable warehouse management with real-time status updates;
- One-click rapid report generation for precise accounting.

Model	Internal Temperature (℃)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Shelf
VITA RF-515R	2~8	515	775*766*1970	672*555*1451	420	8

Low-Temperature Workstation



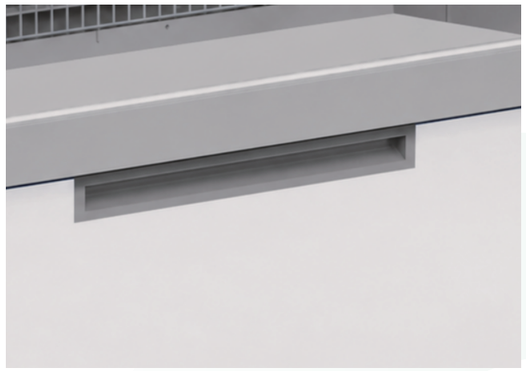
Range of application

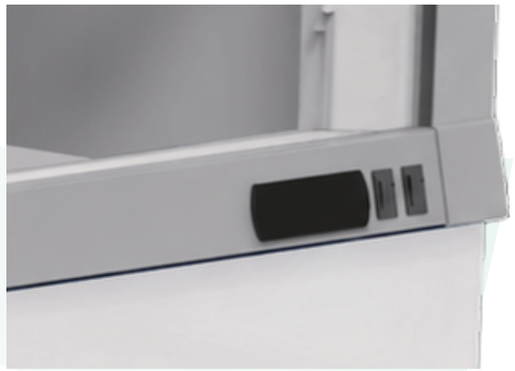
- It can be used for cell reactions, enzymatic reactions, vaccine preparation, low-temperature material performance testing, low-temperature synthesis, and short-term storage of biological samples such as tissues, vaccines, and reagents. It is also suitable for reagent preparation and low-temperature dispensing experiments. It is applicable to laboratories related to biology, chemistry, and materials science in pharmaceutical factories, disease control centers, universities, and research institutes.

Product parameters

Model	Internal Temperature (℃)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated power (W)	Noise (dB)	Weight (kg)
VITA WS-255	-15~-25	260	1254*816*1000	1090*633*643	270	＜45	105

Product details





- Bottom drawer-type design for storing experimental samples;
- Integrated visual lighting strip to facilitate sample access and retrieval.

High-Performance Cooling, 6-Sided Thermal Insulation

- Microcomputer temperature control, adjustable internal temperature from -15°C to -25°C;
- High-efficiency refrigeration system with non-fluorinated eco-friendly refrigerant for robust cooling;
- Fin-type direct cooling inside the box ensures uniform and stable temperature;
- Optimized evaporator design for rapid cooling;
- Wide voltage design ensures stable operation of the equipment.

Human-Centered Design

- Digital display of real-time temperature for easy monitoring and record-keeping;
- Bottom drawer design for temporary storage of experimental samples;
- High-transparency tempered glass in the operating area with lighting for easy observation of experimental reactions;
- Sliding glass operating door for space-saving;
- Top-mounted storage platform for experimental instruments and reagents.

Desktop Low-Temperature Temporary Storage Box



Range of application

- This product is suitable for the temporary low-temperature storage of viruses, bacteria, red blood cells, white blood cells, skin, bones, semen, biological products, reagents, etc. It can also be used for reagent preparation, low-temperature testing of electronic components and special materials. It is applicable to pharmaceutical factories, pharmacies, disease control centers, community health service centers, as well as laboratories of various universities and scientific research institutions.

Product parameters

Model	Internal Temperature (℃)	Effective volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated power (W)	Noise (dB)	Weight (kg)
VTX SB-8	-10~-25	8	364*570*273	250*260*160	75	＜40	12

Product details





- High-efficiency heat dissipation window ensuring rapid cooling and uniform temperature distribution across the chamber;
- Magnetic suction door provides good sealing and convenient opening and closing.

High-Performance Cooling, 6-Sided Thermal Insulation

- Microcomputer temperature control, adjustable internal temperature from -10°C to -25°C;
- High-efficiency refrigeration system with non-fluorinated eco-friendly refrigerant for robust cooling;
- Wide voltage design ensures stable operation of the equipment.

Human-Centered Design

- Compact and portable design, can be placed directly on the lab bench for easy mobility;
- Digital display of real-time temperate facilitates monitoring and record-keeping;
- Top-opening lid design facilitates convenient sample storage and retrieval;
- Highly transparent door with built-in lighting is easy for samples searching and observation of experimental reactions.

Low-Temperature Storage Freezer



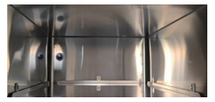
Range of Application

- It can be used to store various special medicines, vaccines and reagents, ensuring their activity and stability. It can also be used for material tests in low-temperature environments, preservation of food inspection samples, etc.

Appearance Details

304 Stainless Steel Liner:

Features high strength, corrosion resistance, easy cleaning, and enhanced aesthetics.



Control Panel

A high-efficiency control panel with comprehensive functions and simple operation.



Dual-Lock Design

Equipped with a built-in safety lock and supports padlock installation.



Multiple Alarm Functions

Complete audible and visual alarms, including sensor failure alarm.



Product Features

Product Design

- Intelligent computer temperature control system with a setting accuracy of 0.1°C;
- Three layers of stainless steel shelves, offering excellent corrosion resistance;
- Stainless steel liner, which is corrosion-resistant and easy to clean;
- Four insulated inner doors with double-layer insulation to prevent cold air leakage during item access, improving energy efficiency;
- The door adopts a thickened PU foam structure, ensuring good thermal insulation and effective condensation prevention;
- The cabinet body is made of PU foam material, with a unique large arc-corner exterior design (no sharp right angles), enhancing aesthetics, safety, and collision resistance;
- Built-in data storage module that can store temperature data for up to 10 years, with a USB port for data export;
- Inverter compressor design, Automatically adjusts operating frequency based on cooling load for more stable temperature and higher energy efficiency;
- Uses hydrocarbon refrigerant, achieving energy efficiency and environmental friendliness.

Human-Centered Design

- Removable door gasket for easy cleaning;
- Dual-lock design: Includes a built-in safety lock and supports padlock configuration to ensure the safety of stored items;
- Multiple alarm functions: Covers high/low temperature alarm, sensor failure alarm, power failure alarm, low battery alarm, door-open alarm, etc., with audible and visual alarm modes;
- Multiple Protection Functions: Compressor Shutdown Interval Protection, Power-off Memory Protection Function;
- Overcurrent protection and fault operation mode to ensure stable storage temperature in case of sensor module failure;
- Backup battery design: Continuously displays internal temperature and provides audible/visual alarms for over 48 hours after a power outage;
- The outer door can hover when opened at an angle greater than 90°, and closes automatically when the angle is less than 90°;
- Four universal casters and two stopper feet for easy movement and stabilization;
- Test holes: Standardly equipped with two test holes.

Product parameters

Model	Internal Temperature (°C)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Number of Shelves	Number of 2ml Cryovials
VITA F-30V300	-10~-30	300	700*660*1852	510*430*1355	3	18000
VITA F-30V500	-10~-30	500	700*945*1852	695*993*1880	3	30000

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Low-Temperature Storage Freezer



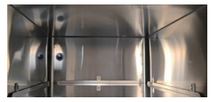
Range of Application

- Wide storage applications: Stores clinical samples, research samples, mid-low temp pharmaceuticals and lab reagents, meeting needs for sample backup, follow-up testing and stable reagent storage.

Appearance Details

304 Stainless Steel Liner:

Features high strength, corrosion resistance, easy cleaning, and enhanced aesthetics.



Control Panel

A high-efficiency control panel with comprehensive functions and simple operation.



Dual-Lock Design

Equipped with a built-in safety lock and supports padlock installation.



Multiple Alarm Functions

Complete audible and visual alarms, including sensor failure alarm.



Product Features

Product Design

- Microcomputer temperature control with digital temperature display;
- Three layers of stainless steel shelves with excellent corrosion resistance;
- Stainless steel inner liner with corrosion resistance and easy cleaning;
- Four insulated inner doors with double-layer insulation to prevent cold air leakage during item access, improving energy efficiency;
- Built-in data storage module that can store temperature data for up to 10 years, with a USB port for data export;
- Inverter compressor design that automatically adjusts operating frequency according to cooling load for more stable temperature and higher energy efficiency;
- Uses hydrocarbon refrigerant for energy saving and environmental protection.

Human-Centered Design

- Dual-lock design with a built-in safety lock and padlock compatibility to ensure the safety of stored items;
- The product is equipped with multiple alarm functions and modes: including sensor failure alarm, high and low temperature alarm, power failure alarm, door open alarm, etc., as well as two alarm modes of audible beep and flashing light, with a remote alarm interface configured;
- Multiple protection functions: Compressor start-up delay protection, compressor shutdown interval protection, power failure memory protection function;
- Equipped with a backup battery to ensure the display of internal temperature and alarm information in case of power outage;
- Equipped with four universal casters and two support feet for easy movement and fixation;
- Test holes: Two test holes as standard.

Product parameters

Model	Internal Temperature (°C)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Number of Shelves	Number of 2ml Cryovials	Weight (kg)	Rated Power (W)
VITA F-40V435	-10~-40	435	695*1013*1880	470*716*1310	3	30000	155	200
VITA F-40V590	-10~-40	590	845*1013*1880	620*716*1310	3	40000	180	200

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Low-Temperature Storage Freezer



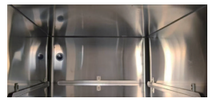
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Appearance Details

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Control Panel

A high-efficiency control panel with comprehensive functions and simple operation.



Dual-Lock Design

Equipped with a built-in safety lock and supports padlock installation.



Multiple Alarm Functions

Complete audible and visual alarms, including sensor failure alarm.



Product Features

Product Design

- Microcomputer temperature control with digital temperature display;
- Three layers of stainless steel shelves with excellent corrosion resistance;
- Stainless steel inner liner with corrosion resistance and easy cleaning;
- Four insulated inner doors with double-layer insulation to prevent cold air leakage during item access, improving energy efficiency;
- Built-in data storage module that can store temperature data for up to 10 years, with a USB port for data export;
- Inverter compressor design that automatically adjusts operating frequency according to cooling load for more stable temperature and higher energy efficiency;
- Uses hydrocarbon refrigerant for energy saving and environmental protection.

Human-Centered Design

- Dual-lock design with a built-in safety lock and padlock compatibility to ensure the safety of stored items;
- The product is equipped with multiple alarm functions and modes: including sensor failure alarm, high and low temperature alarm, power failure alarm, door open alarm, etc., as well as two alarm modes of audible beep and flashing light, with a remote alarm interface configured;
- Multiple protection functions: Compressor start-up delay protection, compressor shutdown interval protection, power failure memory protection function;
- Equipped with a backup battery to ensure the display of internal temperature and alarm information in case of power outage;
- Equipped with four universal casters and two support feet for easy movement and fixation;
- Test holes: Two test holes as standard.

Product parameters

Model	Internal Temperature (°C)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Number of Shelves	Number of 2ml Cryovials	Weight (kg)	Rated Power (W)
VITA F-40V575 (Dual doors &Dual compartments)	-10~-40	575	845*948*1987	Upper：620*716*633 Lower：620*716*633	2	40000	192	420

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Refrigerator-Freezer



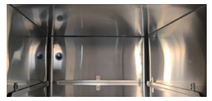
Range of Application

- Applications: Suitable for storing pharmaceuticals, vaccines and reagents to maintain their activity and stability; also ideal for low-temperature material testing and food test sample preservation.

Appearance Details

304 Stainless Steel Liner:

Features high strength, corrosion resistance, easy cleaning, and enhanced aesthetics.



Control Panel

A high-efficiency control panel with comprehensive functions and simple operation.



Dual-Lock Design

Equipped with a built-in safety lock and supports padlock installation.



Multiple Alarm Functions

Complete audible and visual alarms, including sensor failure alarm.



Product Features

Product Design

- Dual compartments & dual doors for refrigeration and freezing, with independent operation to avoid mutual interference;
- Surrounding air-cooled circulation system in the refrigerated compartment ensures excellent temperature uniformity;
- Stainless steel inner liner offers superior corrosion resistance and easy cleaning;
- Insulated inner door for the freezer compartment enables double-layer insulation, prevents cold air leakage during access, and boosts energy efficiency. (Note: No inner door for the 325 model.);
- Dual-lock design with a built-in safety lock and the option for a padlock, ensuring the security of stored items;
- Four universal casters and two adjustable feet for easy movement and stable placement;
- A backup battery is included to ensure the display of internal temperature and alarm information in case of power outage;
- Two standard test ports are provided to facilitate temperature monitoring.

Human-Centered Design

- Microcomputer temperature control: Digital display, 0.1°C temperature resolution;
- Multiple alarms & modes: Sensor failure, high/low temp, power failure, door open alarms, etc.; dual modes (buzzer & flashing light) with remote alarm interface;
- Built-in data module: Stores 10-year temperature records, USB port for data export. Dual independent compressors: One for refrigeration, one for freezing, higher stability & safety;
- Dual inverter compressors: Auto-adjust frequency based on cooling load, stable temp & energy-saving;
- Hydrocarbon refrigerant, eco-friendly & energy-efficient;
- Multiple protections: Compressor delayed start, stop interval protection, power failure memory.

Product parameters

Model	Internal Temperature (°C)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Number of Shelves
VITA FR-40V325	Refrigertor：2~8 Freezer：-10~-40	Refrigertor：195 Freezer：130	724*720*1818	Refrigertor：586*520*654 Freezer：500*485*535	Refrigerator : 3 shelves (optional) + 1 drawer Freezer : 1 shelf
VITA FR-40V465		Refrigertor：262 Freezer：203	845*750*1939	Refrigertor：706*566*654 Freezer：620*505*633	
VITA FR-40V645		Refrigertor：360 Freezer：285	845*960*1939	Refrigertor：706*776*654 Freezer：620*715*633	

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Refrigerator-Freezer



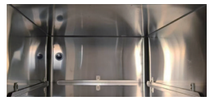
Range of Application

- Applications: Suitable for storing pharmaceuticals, vaccines and reagents to maintain their activity and stability; also ideal for low-temperature material testing and food test sample preservation.

Appearance Details

304 Stainless Steel Liner:

Features high strength, corrosion resistance, easy cleaning, and enhanced aesthetics.



Glass Window

Glass window structure of the refrigerator compartment makes the sample clear at a glance.



Dual-Lock Design

Equipped with a built-in safety lock and supports padlock installation.



Control Panel

A high-efficiency control panel with comprehensive functions and simple operation.



Product Features

Product Design

- Dual compartments & dual doors for refrigeration and freezing, with independent operation to avoid mutual interference;
- The glass window structure of the refrigeration compartment is convenient for observation;
- Surrounding air-cooled circulation system in the refrigerated compartment ensures excellent temperature uniformity;
- Stainless steel inner liner offers superior corrosion resistance and easy cleaning;
- Insulated inner door for the freezer compartment enables double-layer insulation, prevents cold air leakage during access, and boosts energy efficiency. (Note: No inner door for the 325 model.);
- Dual-lock design with a built-in safety lock and the option for a padlock, ensuring the security of stored items;
- Four universal casters and two adjustable feet for easy movement and stable placement;
- A backup battery is included to ensure the display of internal temperature and alarm information in case of power outage;
- Two standard test ports are provided to facilitate temperature monitoring.

Human-Centered Design

- Microcomputer temperature control: Digital display, 0.1°C temperature resolution;
- Multiple alarms & modes: Sensor failure, high/low temp, power failure, door open alarms, etc.; dual modes (buzzer & flashing light) with remote alarm interface;
- Built-in data module: Stores 10-year temperature records, USB port for data export. Dual independent compressors: One for refrigeration, one for freezing, higher stability & safety;
- Dual inverter compressors: Auto-adjust frequency based on cooling load, stable temp & energy-saving;
- Hydrocarbon refrigerant, eco-friendly & energy-efficient;
- Multiple protections: Compressor delayed start, stop interval protection, power failure memory.

Product parameters

Model	Internal Temperature (°C)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Number of Shelves
VITA FR-40V325G	Refrigertor: 2~8 Freezer: -10~-40	Refrigertor: 195 Freezer: 130	724*720*1818	Refrigertor: 586*520*654 Freezer: 500*485*535	Refrigerator : 3 shelves (optional) + 1 drawer Freezer : 1 shelf
VITA FR-40V465G		Refrigertor: 262 Freezer: 203	845*750*1939	Refrigertor: 706*566*654 Freezer: 620*505*633	
VITA FR-40V645G		Refrigertor: 360 Freezer: 285	845*960*1939	Refrigertor: 706*776*654 Freezer: 620*715*633	

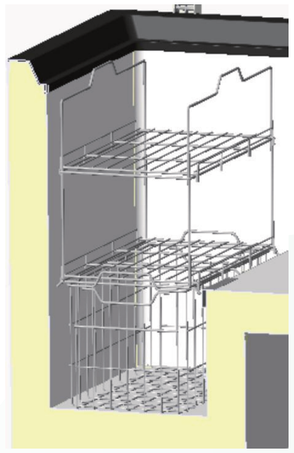
Horizontal Low-Temperature Storage Freezer

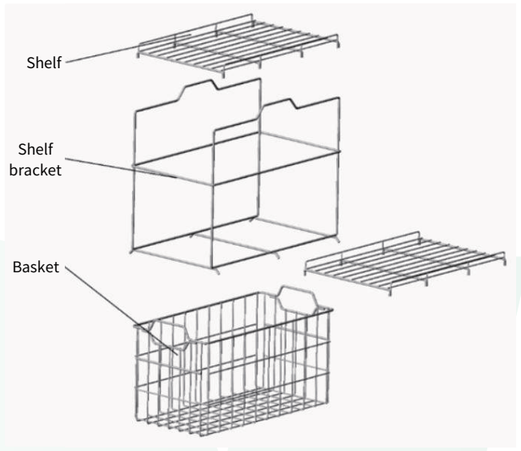


Range of application

- It is applicable in hospitals, blood banks, CDCs, research institutes, and life science labs to preserve blood, viruses, bacteria, cells, samples, vaccines, biological tissues, and organs.

Product accessories





- Users can place unfrozen items on one layer to avoid contact with frozen items that could affect sample quality;
- Ergonomically designed, users can easily access items at the bottom of the freezer with a slight bend.

Product details

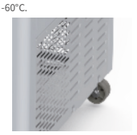
High-strength hinge

High-strength hinges provide robust support and ensure trouble-free operation for 100,000 cycles.



High-efficiency hydrocarbon compressor

Reliable quality, high efficiency and energy saving, with an interior temperature reachable down to -60°C.



Anti-freeze air balancer

Rapidly balances internal negative pressure, making door opening easier.



Frontal louver

High ventilation efficiency and good heat dissipation.



- Thickened thermal insulation layer ensures superior heat retention performance;
- High-strength casters for easy mobility, sturdy and durable;
- Large handle with lock for easy opening and enhanced safety.
- High-strength hinges support frequent use, ensuring smooth operation for 100,000 cycles without failure;
- Anti-freeze air balancers rapidly equalize internal pressure, making door opening effortless;
- Front-mounted louvers enhance ventilation and improve heat dissipation.

Product Parameters

Model	Internal Temperature (℃)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Basket quantity	Weight (kg)
VITA DF-60V215	-10~-60	215	944*786*852	780*530*571	1	65
VITA DF-60V315	-10~-60	315	1204*786*852	1040*530*571	1	80
VITA DF-60V415	-10~-60	415	1509*786*852	1345*530*571	1	92

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Ultra-low Temperature Storage Freezer



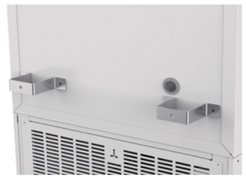
Range of application

- Used in hospitals, blood stations, disease prevention and control centers, scientific research institutions, and life science laboratories for storing blood, viruses, bacteria, cells, samples, vaccines, biological tissues, and organs, etc.

Product Parameters

Model	Internal Temperature (℃)	Volume (L)	Shelf quantity	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Number of 2ml cryovials
VITA F-86V585	-40~-86	585	3	900*988*1987	620*716*1310	650	40000
VITA F-86V860	-40~-86	860	3	1172*988*1987	892*716*1315	700	60000

Appearance detail





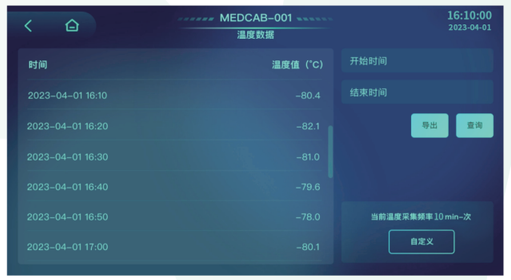




Full range equipped with function indicator lights

Precise temperature control with real-time recording





Product details

- Intelligent Computer Temperature Control System: Digital temperature display with a precision of 0.1°C;
- 15.6-inch Large Touchscreen: Clearly shows parameters such as operating status, set temperature, ambient temperature, alarm conditions, temperature data, data curves, management information, and time;
- Intelligent Sample Inventory Management System: Includes a message board function to provide comprehensive safety guarantees for sample storage;
- Multiple Security Safeguards: Face recognition + fingerprint recognition + NFC card recognition + password recognition, combined with an electric plug door lock;
- Multiple Alarm Systems: Alarms for high/low temperature, sensor failure, door opening, power outage, high ambient temperature, etc;
- Optimized Cascade Refrigeration Technology: Equipped with international brand compressors for better refrigeration performance;
- Constant Temperature & Energy Saving: Silent Design，Low-noise operation for energy-efficient and stable temperature control;
- Good Temperature Uniformity: Ensures safe and stable storage of samples;
- Full-range Function Indicator Lights: Clearly display the status of sample storage capacity and the operating status of the cabinet.

304 Stainless Steel Inner Liner

High strength, corrosion-resistant, easy to clean, and enhances aesthetics.



15.6 - inch Ultra - large Touchscreen

Independently developed biobank management software featuring multi-modal authentication including facial recognition, fingerprint scanning, and NFC card access.



Removable dust filter

Easy to clean the filter regularly.



Multiple alarm functions

Comprehensive audio-visual alarm system with multiple alert methods, including sensor failure alarms.



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Ultra-low Temperature Storage Freezer



Range of application

- It is applicable in hospitals, blood banks, CDCs, research institutes, and life science labs to preserve blood, viruses, bacteria, cells, samples, vaccines, biological tissues, and organs.

Product Parameters

Model	Internal Temperature (℃)	Volume (L)	Shelf quantity	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Number of 2ml cryovials
VITA F-86V425	-40~-86	425	3	750*988*1987	470*716*1310	700	30000
VITA F-86V425P	-40~-86	425	3	750*988*1987	470*716*1310	650	30000
VITA F-86V585	-40~-86	585	3	900*988*1987	620*716*1310	1180	40000
VITA F-86V585P	-40~-86	585	3	900*988*1987	620*716*1310	650	40000
VITA F-86V860	-40~-86	860	3	1172*988*1987	892*716*1315	1250	60000
VITA F-86V860P	-40~-86	860	3	1172*988*1987	892*716*1315	700	60000

Appearance detail





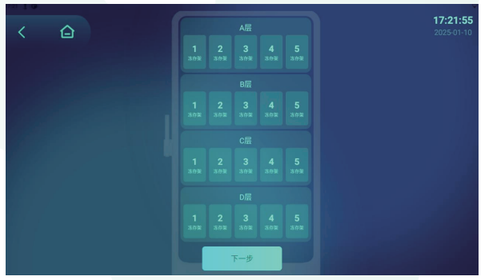






Foaming for internal and external cabinet doors; with four independent foamed internal door.

Sample management software optional, with precise location storage.



Product details

- Smart computer temperature control system with digital temperature display and a temperature display accuracy of 0.1°C;
- Liquid crystal touch screen control system, which can real-time display parameters and information such as operation status, set temperature, ambient temperature, alarm status and management, time, etc;
- It has the functions of temperature data viewing, data curve setting and message board;
- Multiple safety protections: facial recognition + fingerprint recognition + NFC card recognition + password recognition, matched with electric bolt lock;
- It is equipped with multiple alarm systems for high and low temperature, sensor failure, door opening, power failure, high ambient temperature, refrigeration system failure, communication failure, etc.
- Optimized cascade refrigeration technology with internationally
- Renowned compressors for better cooling performance;
- Constant temperature with energy efficiency, silent design, and low-noise operation;
- Good temperature uniformity ensures safe and stable sample storage; Intelligent inverter compressor for energy efficiency.
  Note: Only the P series uses an inverter compressor.

304 Stainless Steel Inner Liner

High strength, corrosion-resistant, easy to clean, and enhances aesthetics.



Multiple user login methods

Self-developed sample library software, facial recognition + fingerprint recognition + NFC card recognition + password recognition.



Removable dust filter.

Easy to clean the filter regularly.



Multiple alarm functions.

Refined translation: Comprehensive audio-visual alarm system with multiple alert methods, including sensor failure alarms.



VITANIX
future for healthcare

Ultra-low Temperature Storage Freezer



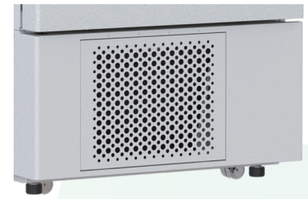
Range of application

- It can be used for ultra-low temperature storage of viruses, bacteria, red blood cells, white blood cells, skin, bones, semen, biological products, ocean products, as well as ultra-low temperature testing of electronic components and special materials.
- It is suitable for blood stations, hospitals, Centers for Disease Control and Prevention (CDCs), scientific research institutes, laboratories of electronic and chemical enterprises, biomedical engineering institutions, and pelagic fishery companies.

Appearance detail







Product feature

Performance Characteristics

- Microcomputer temperature control, with the temperature inside the box adjustable from -40°C to -86°C and a setting accuracy of 0.1°C;
- Adopts a hydrocarbon refrigeration system, absolutely fluorine-free;
- Equipped with a inverter compressor from an internationally renowned brand, featuring fast cooling, low energy consumption, and ultra-low noise;
- The cabinet incorporates a high-density polyurethane foam layer integrated with optimized V.I.P. insulation technology, delivering superior thermal retention performance;
- The cabinet interior features a 304 stainless steel design with antibacterial and anti-corrosion properties, ensuring easy cleaning and hygienic maintenance;
- The cabinet interior features a 304 stainless steel design with antibacterial and anti-corrosion properties, ensuring easy cleaning and hygienic maintenance;
- The inner door is designed with stainless steel + galvanized steel plate + foam layer, providing better thermal insulation effect and being strong and durable;
  Note: The P series uses a Inverter Compressor.

Safety Protection

- Equipped with a complete alarm system, which can trigger alarms for high/low temperature, door opening, low battery level, sensor failure, power outage, and high ambient temperature. Alarm methods include audible buzzer and flashing alerts;
- Designed with a wide voltage range to ensure stable operation of the equipment;
- Features power-off memory function;
- Comes with a fully enclosed rechargeable battery, which can continuously display the internal temperature and trigger audible-visual alarms after a power outage.

Human-Centered Design

- Unique ergonomic door handle design enabling effortless opening with minimal force;
- Standard with a hidden lock and equipped with a padlock position, enabling dual-person dual-lock management to guarantee sample security;
- The door panel features pressure-equalizing holes to support continuous short-term door opening;
- The box body has reserved test holes, facilitating independent testing by users;
- Universal casters combined with locking feet design allow for convenient and quick movement and fixation.

Product Parameters

Model	Internal Temperature (℃)	Volume (L)	Shelf quantity	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Number of 2ml cryovials
VITA F-86V420	-40~-86	420	3	750*955*1987	470*716*1310	650	30000
VITA F-86V570	-40~-86	570	3	900*955*1987	620*716*1310	1180	40000
VITA F-86V570T	-40~-86	570	3	900*955*1987	620*716*1310	650	40000
VITA F-86V850	-40~-86	850	3	1172*988*1987	892*716*1315	700	60000

VITANIX
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Ultra-Low Temperature Auto-Defrost Machine





Advantages and characteristics

- Minimizes internal/external air convection, reducing ambient temperature fluctuations;
- Rapid defrosting resolves frost-induced issues like inadequate cooling, higher energy use while ensuring sample hygiene;
- Boosts cooling efficiency, cutting compressor runtime to prevent overheating and extend service life;
- Saves costs/time by eliminating frost-related repairs and manual defrosting.

Product Parameters

Model	rated curren(A)	Rated Power (W)	Voltage (V/ Hz)	Compatible with refrigerator cabinet width(mm)	Weight (kg)
VTS-500	0.5A	35	220/50	760⩽W⩽980	13
VTS-900	0.6A	45	220/50	1010⩽W⩽1230	15

VITANIX
future for healthcare

Laboratory Refrigerator



VITA RF-150S　VITA RF-395S　VITA RF-455S

Range of application

- It can be used for cold storage of pharmaceuticals, biological products, vaccines, reagents, etc., and is suitable for hospitals, pharmaceutical factories, pharmacies, Centers for Disease Control and Prevention (CDCs), health service centers, as well as laboratories of various universities and research institutions.

Product feature

Performance Characteristics

- Microcomputer temperature control maintains the internal temperature steadily within the range of 2~8℃;
- Equipped with a high-efficiency refrigeration system, a compressor from an internationally renowned brand, and hydrocarbon refrigerant, it delivers strong and efficient cooling performance;
- Adopting an air-cooled design with a scientifically designed circulating air duct ensures uniform and stable temperature distribution;
- Optimized evaporator design accelerates the cooling speed;
- Wide voltage design ensures stable operation of the equipment under various power conditions;
- Features a power failure memory function to retain settings and resume operation automatically after power recovery.

Human-Centered Design

- Real-time digital temperature display for easy monitoring of internal conditions;
- Double-glazed tempered glass door panel ensures condensation-free performance in high-temperature environments, providing clear visibility of samples;
- Multi-layer adjustable shelves allow flexible spacing adjustments according to the size of stored items, optimizing space utilization;
- Internal lighting design in the cabinet facilitates quick sample retrieval;
- Universal casters with locking feet enable effortless movement and secure positioning, enhancing operational flexibility.

Product parameters

Model	Internal Temperature (℃)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Number of Shelves	Weight (kg)
VITA RF-150S	2~8	150	502*521*1255	424*409*836	219	3	50
VITA RF-395S	2~8	395	600*658*1788	505*590*1452	330	4	90
VITA RF-455S	2~8	455	660*695*1990	570*525*1522	330	5/6	97

Laboratory Refrigerator



VITA RF-635S　VITA RF-795S　VITA RF-1150S

Range of application

- It can be used for cold storage of pharmaceuticals, biological products, vaccines, reagents, etc., and is suitable for hospitals, pharmaceutical factories, pharmacies, Centers for Disease Control and Prevention (CDCs), health service centers, as well as laboratories of various universities and research institutions.

Product feature

Performance Characteristics

- Microcomputer temperature control maintains the internal temperature steadily within the range of 2~8℃;
- Equipped with a high-efficiency refrigeration system, a compressor from an internationally renowned brand, and hydrocarbon refrigerant, it delivers strong and efficient cooling performance;
- Adopting an air-cooled design with a scientifically designed circulating air duct ensures uniform and stable temperature distribution;
- Optimized evaporator design accelerates the cooling speed;
- Wide voltage design ensures stable operation of the equipment under various power conditions;
- Features a power failure memory function to retain settings and resume operation automatically after power recovery.

Human-Centered Design

- Real-time digital temperature display for easy monitoring of internal conditions;
- Double-glazed tempered glass door panel ensures condensation-free performance in high-temperature environments, providing clear visibility of samples;
- Multi-layer adjustable shelves allow flexible spacing adjustments according to the size of stored items, optimizing space utilization;
- Internal lighting design in the cabinet facilitates quick sample retrieval;
- Universal casters with locking feet enable effortless movement and secure positioning, enhancing operational flexibility.

Product parameters

Model	Internal Temperature (℃)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Number of Shelves	Weight (kg)
VITA RF-635S	2~8	635	895*715*1990	805*545*1455	450	5/6	120
VITA RF-795S	2~8	795	895*737*2143	805*545*1803	550	5/6	137
VITA RF-1150S	2~8	1150	1290*712*2000	1194*585*1723	830	12	200

VITANIX
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Low Temperature Storage Freezer



VTF-90

Range of application

- It can be used for low-temperature storage of biological products such as bacteria, viruses, plasma, vaccines, red blood cells and white blood cells. It is suitable for pharmaceutical factories, pharmacies, Centers for Disease Control and Prevention (CDCs), health service centers, and laboratories of various universities and research institutions.

Product feature

Performance Characteristics

- Air-cooling design inside the refrigerator ensures extreme uniformity, fast cooling and minimal frosting;
- Controlled by a microcomputer, the internal temperature can be adjusted from -10°C to -25°C with a setting accuracy of 1°C;
- High-efficiency refrigeration system featuring an internationally renowned brand compressor, utilizing hydrocarbon refrigerant for powerful and energy-saving cooling performance;
- Optimized evaporator pipeline design accelerates the cooling rate;
- Wide voltage design ensures stable operation of the equipment;
- Features a power-off memory function.

Human-Centered Design

- Optimized for precise fit and space efficiency, allowing flexible installation as a countertop or under-counter unit;
- Double-layer tempered glass electric heating door prevents condensation in high-humidity environments, keeping samples clearly visible at all times;
- Multi-tier adjustable shelving design allows for rational gap adjustment based on stored item dimensions, enabling optimal space utilization;
- Internal lighting design of the refrigerator facilitates easy location of samples;
- Adjustable fixed feet design ensures stable placement.

Product parameters

Model	Internal Temperature (℃)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Number of Shelves	Weight (kg)
VTF-90	-10~-25	90	595*584*950	479*340*562	260	3	63

Low Temperature Storage Freezer



VTF-116

Range of application

- It can be used for low-temperature storage of biological products such as bacteria, viruses, plasma, vaccines, red blood cells and white blood cells. It is suitable for pharmaceutical factories, pharmacies, Centers for Disease Control and Prevention (CDCs), health service centers, and laboratories of various universities and research institutions.

Product feature

Performance Characteristics

- Air-cooling design inside the refrigerator ensures extreme uniformity, fast cooling and minimal frosting;
- Controlled by a microcomputer, the internal temperature can be adjusted from -10°C to -25°C with a setting accuracy of 1°C;
- High-efficiency refrigeration system featuring an internationally renowned brand compressor, utilizing hydrocarbon refrigerant for powerful and energy-saving cooling performance;
- Optimized evaporator pipeline design accelerates the cooling rate;
- Wide voltage design ensures stable operation of the equipment;
- Features a power-off memory function.

Human-Centered Design

- Optimized for precise fit and space efficiency, allowing flexible installation as a countertop or under-counter unit;
- Double-layer tempered glass electric heating door prevents condensation in high-humidity environments, keeping samples clearly visible at all times;
- Multi-tier adjustable shelving design allows for rational gap adjustment based on stored item dimensions, enabling optimal space utilization;
- Internal lighting design of the refrigerator facilitates easy location of samples;
- Adjustable fixed feet design ensures stable placement.

Product parameters

Model	Internal Temperature (℃)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Number of Shelves	Weight (kg)
VTF-116	-10 ~-25	116	720*584*970	620*340*586	260	3	72

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Low Temperature Storage Freezer



VTF-168 VTF-228 VTF-300 VTF-368 VTF-568

Range of application

- It can be used for low-temperature storage of biological products such as bacteria, viruses, plasma, vaccines, red blood cells, and white blood cells. It is suitable for hospitals, pharmaceutical factories, pharmacies, Centers for Disease Control and Prevention (CDCs), health service centers, as well as laboratories of various universities and research institutions.

Product feature

Performance Characteristics

- Air-cooling design inside the refrigerator ensures extreme uniformity, fast cooling and minimal frosting;
- Controlled by a microcomputer, the internal temperature can be adjusted from -10°C to -25°C with a setting accuracy of 1°C;
- High-efficiency refrigeration system featuring an internationally renowned brand compressor, utilizing hydrocarbon refrigerant for powerful and energy-saving cooling performance;
- Optimized evaporator pipeline design accelerates the cooling rate;
- Wide voltage design ensures stable operation of the equipment;
- Features a power-off memory function.

Human-Centered Design

- Real-time digital temperature display for easy observation of internal conditions;
- Double-glazed tempered glass door assembly ensures condensation-free performance in high-temperature environments, providing clear visibility of samples;
- Multi-layer adjustable shelf design allows for flexible gap adjustment according to item storage specifications, maximizing space utilization;
- Internal LED lighting provides bright and even illumination for quick and easy sample retrieval;
- Universal casters with locking feet enable smooth movement and secure positioning, enhancing mobility and stability;
- Self-closing design for effortless sample access and placement.

Product parameters

Model	Internal Temperature (°C)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Number of Shelves	Weight (kg)
VTF-168	-10~-25	168	406*579*1931	310*420*1497	520	6	86
VTF-228	-10~-25	228	635*624*1449	539*455*980	550	4	87
VTF-300	-10~-25	300	595*668*1859	495*490*1393	580	5	100
VTF-368	-10~-25	368	660*714*1985	560*540*1301	550	6	126
VTF-568	-10~-25	568	895*714*2166	795*540*1402	695	6	156

Bench-top Low Temperature Storage Freezer



VTFX-300 VTFX-365 VTFX-458

Range of application

- It is suitable for low-temperature storage of biological products such as bacteria, viruses, plasma, vaccines, red blood cells and white blood cells. It is applicable to hospitals, pharmaceutical factories, pharmacies, Centers for Disease Control and Prevention (CDCs), health service centers, as well as laboratories of various universities and research institutions.

Product feature

Performance Characteristics

- The air-cooling design inside the box ensures extreme temperature uniformity, fast cooling, and minimal frost formation;
- Controlled by a microcomputer, the internal temperature can be adjusted from -10°C to -25°C with a setting accuracy of 1°C;
- Equipped with a high-efficiency refrigeration system, a compressor from an internationally renowned brand, and hydrocarbon refrigerant, it delivers strong and efficient cooling performance;
- The optimized evaporator pipeline design further accelerates the cooling rate;
- The wide voltage design ensures stable operation of the equipment under various power conditions;
- Features a power-off memory function to retain settings and resume operation automatically after power recovery.

Human-Centered Design

- Real-time digital temperature display for easy observation of the internal temperature;
- Double-layer tempered electric heating glass door prevents condensation in high-humidity environments, ensuring samples remain clearly visible at all times;
- Multi-layer adjustable shelves allow flexible adjustment of spacing according to the specifications of stored items, maximizing space utilization;
- Internal LED lighting in the cabinet facilitates quick and easy location of samples, even in low-light conditions;
- Adjustable fixed feet design ensures stable placement on various surfaces, adapting to different installation environments.

Product parameters

Model	Internal Temperature (°C)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Number of Shelves	Weight (kg)
VTFX-300	-10~-25	300	1250*605*1110	1134*410*712	550	6	100
VTFX-365	-10~-25	365	1500*605*1110	1384*411*712	650	6	105
VTFX-458	-10~-25	458	1860*605*1110	1744*411*712	695	9	154

Horizontal Low-Temperature Storage Freezer



VDF-125

Range of application

- It is suitable for low-temperature storage of biological products such as bacteria, viruses, plasma, vaccines, red blood cells and white blood cells. It can be applied to hospitals, pharmaceutical factories, pharmacies, Centers for Disease Control and Prevention (CDCs), health service centers, as well as laboratories of various universities and research institutions.

Product feature

Performance Characteristics

- Computer-controlled system with precise temperature regulation at -20°C ~-40°C(display resolution: 1°C);
- Equipped with a high-efficiency refrigeration system, a compressor from an internationally renowned brand, and hydrocarbon refrigerant, it delivers strong and efficient cooling performance;
- The optimized evaporator pipeline design accelerates the cooling rate;
- High-density foaming technology and ultra-thick insulation layer ensure excellent thermal insulation performance.

Safety Protection

- Equipped with a comprehensive alarm system can realize high/low temperature alarms, sensor fault alarms, etc., with audible buzzer alarms as the alarm mode;
- Features a fault operation mode to ensure the refrigeration system runs stably when the sensor module fails;
- Designed with a wide voltage range (187V–253V AC), ensuring stable equipment operation under fluctuating power conditions.

Human-Centered Design

- Real-time digital temperature display for intuitive monitoring of internal temperature;
- Universal casters with locking mechanisms enable easy mobility and secure positioning, ensuring stable placement after relocation.

Product parameters

Model	Internal Temperature (℃)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Number of Shelves	Weight (kg)
VDF-125	-20~-40	125	584*743*870	440*550*523	165	2	42

Horizontal Low-Temperature Storage Freezer



VDF-255

Range of application

- It is suitable for low-temperature storage of biological products such as bacteria, viruses, plasma, vaccines, red blood cells and white blood cells. It can be applied to hospitals, pharmaceutical factories, pharmacies, Centers for Disease Control and Prevention (CDCs), health service centers, as well as laboratories of various universities and research institutions.

Product feature

Performance Characteristics

- Computer-controlled system with precise temperature regulation at -20°C ~-40°C(display resolution: 1°C);
- Equipped with a high-efficiency refrigeration system, a compressor from an internationally renowned brand, and hydrocarbon refrigerant, it delivers strong and efficient cooling performance;
- The optimized evaporator pipeline design accelerates the cooling rate;
- High-density foaming technology and ultra-thick insulation layer ensure excellent thermal insulation performance.

Safety Protection

- Equipped with a comprehensive alarm system can realize high/low temperature alarms, sensor fault alarms, etc., with audible buzzer alarms as the alarm mode;
- Features a fault operation mode to ensure the refrigeration system runs stably when the sensor module fails;
- Designed with a wide voltage range (187V–253V AC), ensuring stable equipment operation under fluctuating power conditions.

Human-Centered Design

- Real-time digital temperature display for intuitive monitoring of internal temperature;
- Universal casters with locking mechanisms enable easy mobility and secure positioning, ensuring stable placement after relocation.

Product parameters

Model	Internal Temperature (℃)	Volume (L)	Overall Dimensions W*D*H (mm)	Internal Dimensions W*D*H (mm)	Rated Power (W)	Number of Shelves	Weight (kg)
VDF-255	-20~-40	255	944*743*870	780*530*618	165	3	58