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Specialist in Medical & Lab Freezers and Refrigerators



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2016



**FOR A HEALTHY WORLD
FOR A HEALTHY FUTURE**

COMPANY PROFILE

Zhangjiagang Bestran Technology Co.,LTD is a high-tech enterprise who specializes in designing, manufacturing and marketing of Laboratory & Medical refrigerators and freezers , such as deep freezer, ultra low temperature freezer. ice cream cabinet. tuna freezer and other customized freezers.

We pursue the concept of "For a healthy world. for a healthy future" with the strong technical support from R&D team. We produce environmentally friendly products for research institutes, hospitals, university laboratories chemical and military industries, electronics, piscatorial pelagic industries and many others. We are dedicated to build a green bridge for health of the humanity and the world.

Operating honestly, focusing on quality and complying with the law is our basic principle. We aim to serve for the society and for a better environment. We produce green products, offer best customer service and are responsible for our environment.



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Medical Cryo preservation FreezerP02

ULT Freezer

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- BT-86V588 BT-86V88 BT-86V838 BT-86V936
- BT-86H58 BT-86H118 BT-86H258 BT-86H458
- BT-60V50 BT-60H105 BT-60H485

Deep Freezer

- BT-40V50 BT-40V268E BT-40V328E
- BT-40H105 BT-40H485
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Blood Bank Refrigerator

- BT-4V108 BT-4V158 BT-4V208
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- BT-5V130 BT-5V236 BT-5V300
- BT-5V306 BT-5V406 BT-5V656 BT-5V1006
- BT-5H100 BT-5H200 BT-5H300

Platelet Constant Temperature Oscillation FreezerP32

- BT-5
- BT-10

-86°C Ultra Low Temperature Freezer

BT-86V588



BT-86V588

Save energy by 50%

VIP II PLUS Technology

Optimized for maximum storage of bio samples.

Special narrow design for entering elevators

Working Temperature **-86°C** Effective capacity **588L**

- Floride-free hydrocarbon refrigerant with two cascade system, save energy up to 50%.
- Second generation of vacuum insulation panel VIP II PLUS , enable thinner insulation with perfect cooling function.
- Structure for maximum storage of samples, could store at largest 40 thousand samples.

Features

- Floride-free hydrocarbon refrigerant with two cascade system, save energy up to 50%
- Optimized two-cascade system, the device could work under 38 high temperature
- Removable heat exchanger, almost all the cooling components could be replaced.
- Second generation of vacuum insulation panel VIP II PLUS , enable thinner insulation with perfect cooling function.
- Structure for maximum storage of samples, could store at largest 40 thousand samples.
- Foam out and inside doors, Compaction inner door handle, 4 layers of seals made of special material.
- Special noise reduction design.

Humanized design

- Removable condensor cover,convinient for maintenance.
- Place for install chart temperature recorder
- Safety lock, to prevent abnormal door open and close.
- Removable inner door for customers to defrost
- Adjustable SUS panel
- Two test holes.
- Screwed feet for easy transport and installation
- Standard USD port

Security

- Audible and visible alarms include: high/low temperature alarm, controller error alarm, power failure alarm, door ajar,remote alarm,ambient temperature alarm,filter clean alarm, abnormal voltage alarm,low batter alarm.
- Keyboard lockable, password protection
- Power failure protect: the device will be attacked by the high current when all devices restart same time.The start relay function will start the device in safe time interval.

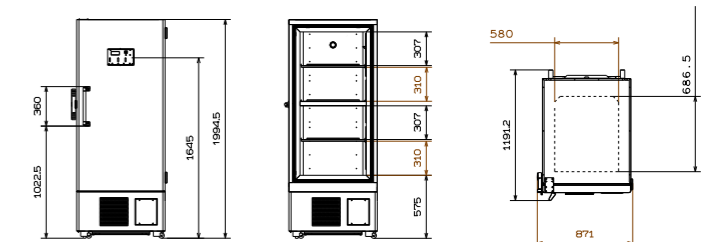
Optional parts

- Chart recorder
- GSM message alarm
- Racks
- Password locking, finger print lock.

Technical Data

Model	BT-86V588
Voltage	187~242V,50~60Hz
Cooling system	Direct Cooling
Rated Current	6.5A
Ambient Temperature	10°C ~ 38°C
Temperature range	-60°C ~ -86°C
System	Double cascade
Refrigerant	R290&R170
Flow control	Capillary
Noise	55dbs
Capacity	588L
External Size	871*1191*1994.5 (mm) (W*D*H)
Inner Size	606*1310*738 (mm) (W*D*H)
Packing Size	1158*974*2183 (mm) (W*D*H)
Insulation	100 (mm)
Inner doors	2(SUS and removable)
Testing Hole	2(Buttom and back)
Caster	4
Shelves	3 layers(load capacity 40kg)
	Height 307/325mm,and adjustable Size:580*686.5mm
Compressor	Secop,2
Condenser Fan	18WV silent fan
Power failure protection	The device will be attacked by the high current when all devices restart same time.The start relay function will start the device in safe time interval.

Drawing



-86°C ULT Freezer

BT-86V340 II

Cooling Performance **-86°C** Effective Capacity **340L**



Perfect refrigeration performance even under 43°C ambient temperature

Silent design, noise level 50db

Hermetical seal SUS foam inner door

4 level door seal design, minimize frost buildup on the door frame



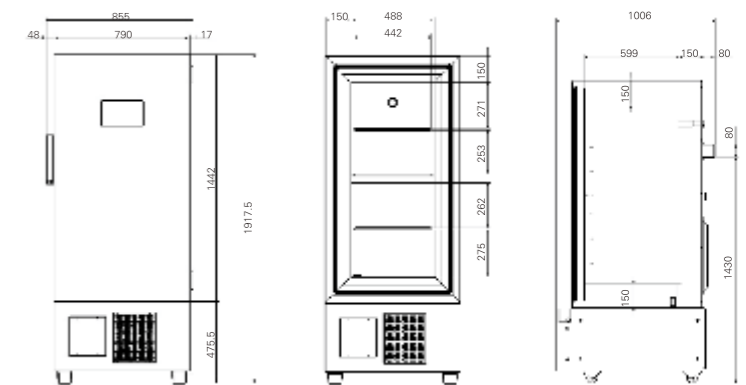
4X4 froszen rack, 3 units for each layer

Compaction inner door handle, easy to open

Size (mm)

Ideal for long term preservation of virus,germs,vaccines,biological tissues and organs,special food, medicines,reagents etc.

Suitable for scientific research institutions, hospitals,sanitation and antiepidemic station,electronics, chemical industry,machining industry, pelagic fishery industry.



ULT Freezer



ULT Freezer

	Model	BT-86V50	BT-86V188E	BT-86V340II	BT-86V340E	BT-86V588(VIP)	BT-86V688	BT-86V838(VIP)	BT-86V936
Technical Data	Cabinet Type	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
	Inner door	1	3	2	2	2	2	2	4
	Cooling system	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
	Refrigerant	HFC	Mixed refrigerant	HFC	Mixed refrigerant	R190 & R170	HFC	R190 & R170	HFC
	Ambinet Temperature (°C)	10~32°C	10~32°C	10~43°C	10~32°C	10~32°C	10~43°C	10~32°C	10~32°C
	Temperature Range (°C)	-40~-86°C	-40~-86°C	-60~-86°C	-40~-86°C	-60~-86°C	-60~-86°C	-70~-86°C	-40~-86°C
Control	Controller	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess
	Display (LCD/LED)	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display
Electrical Data	Voltage (V/Hz)	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz
	Power (W)	450W	600W	1350W	650W	815W	1540W	/	1600W
Dimension	Capacity (L)	50	188	340	340	588	688	838	936
	Net/ Gross Weight (kg)	75/95	145/180	190/220	175/205	249/275kg	260/290	329/334	310/330
	Outer Size(W*D*H) (mm)	540*620*1115	830*810*1607.5	854*1072*1907	855*1006*1920	872*1192*1994.5	1354*1072*1907	1160*1172*1907	1240*1000*2000
	Inner Size(W*D*H) (mm)	361*429*406	465*465*830	488*607*1140	488*600*1140	606*738*1310	990*607*1140	894*718*1310	1000*700*1335
	Packing Size(W*D*H) (mm)	690*760*1170	915*928*1818	935*1070*2128	935*1070*2128	974*1118*2183	1445*1070*2128		1350*1080*2150
Alarms	High/Low temperature alarms	Y	Y	Y	Y	Y	Y	Y	Y
	Power Failure	N/A	N/A	Y	N/A	Y	Y	Y	Y
	Voltage abnormal	N/A	N/A	Y	N/A	Y	Y	Y	Y
	Sensor error	Y	Y	Y	Y	Y	Y	Y	Y
	Automatic clean -fliter alarm	N/A	N/A	Y	N/A	Y	Y	Y	Y
	Controller error	Y	Y	Y	Y	Y	Y	Y	Y
	Low battery alarm	N/A	N/A	Y	N/A	Y	Y	Y	Y
	High ambient temperature alarm	N/A	N/A	Y	N/A	Y	Y	Y	Y
Accessories	Door ajar	N/A	N/A	Y	N/A	Y	Y	Y	Y
	Foot	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A
	Caster	Y	Y	Y	Y	Y	Y	Y	Y
	Testing hole ,diameter	1/18MM	2/25MM	2/25MM	1/25MM	1/25MM	2/25MM	1/25MM	1/18MM
	USB port	N/A	N/A	Y	N/A	Y	Y	Y	Y
	Remort alarm port	N/A	N/A	Y	N/A	Y	Y	Y	Y
Others	Temperature recorder	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Certificate	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001, CE	9001, 13485, 14001, CE	9001, 13485, 14001, CE	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001

ULT Freezer



	Model	BT-86H58	BT-86H118	BT-86H258	BT-86H458	BT-60V500	BT-60H105	BT-60H485
Technical Data	Cabinet Type	Chest	Chest	Chest	Chest	Vertical	chest	Chest
	Inner door	N/A	N/A	N/A	N/A	1	N/A	N/A
	Cooling system	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost	Manual	Manual	Manual	Manual	Manual	Manual	Manual
	Refrigerant	HFC	HFC	HFC	HFC	HFC	HFC	HFC
	Ambinet Temperature (°C)	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C
	Temperature Range (°C)	-40~-86°C	-40~-86°C	-40~-86°C	-40~-86°C	-25~60°C	-25~60°C	-25~60°C
Control	Controller	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess
	Display (LCD/LED)	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display
Electrical Data	Voltage (V/Hz)	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz
	Power (W)	420W	520W	700W	780W	420W	280W	485W
Dimension	Capacity (L)	58	118	258	458	50	105	485
	Net/ Gross Weight (kg)	80/100	120/150	220/240	240/270	75/95	53/58	150/165
	Outer Size(W*D*H) (mm)	670*775*1016	1270*780*965	1510*885*1095	2110*885*1095	540*620*1115	680*580*935	1695*805*955
	Inner Size(W*D*H) (mm)	410*410*353	500*400*560	780*500*660	1380*500*660	361*429*406	480*380*665	1455*525*665
	Packing Size(W*D*H) (mm)	770*875*1090	1360*860*1060	1600*980*1155	2200*980*1155	690*760*1170	740*680*970	1750*925*1050
Alarms	High/Low temperature alarms	Y	Y	Y	Y	Y	Y	Y
	Power Failure	N/A	N/A	N/A	N/A	N/A	Y	N/A
	Voltage abnormal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Sensor error	Y	Y	Y	Y	Y	Y	Y
	Automatic clean -fliter alarm	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Controller error	Y	Y	Y	Y	Y	Y	Y
	Low battery alarm	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	High ambient temperature alarm	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Accessories	Door ajar	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Foot	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Caster	Y	Y	Y	Y	Y	Y	Y
	Testing hole ,diameter	1/18MM	1/18MM	1/18MM	1/18MM	1/18MM	1/25MM	1/25MM
	USB port	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Remort alarm port	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Others	Temperature recorder	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Certificate	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001

Deep Freezer (Vertical)

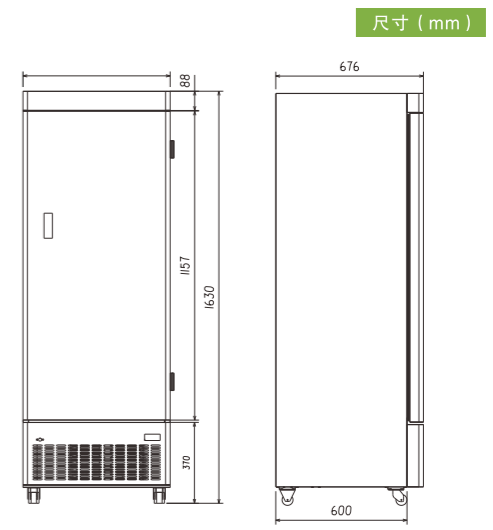
BT-40V268E

Cooling performance **-40°C** Effective Capacity **268L**



Ideal for long term preservation of virus, germs, vaccines, biological tissues and organs, special food, medicines, reagents etc.

Suitable for scientific research institutions, hospitals, sanitation and antiepidemic station, electronics, chemical industry, machining industry, pelagic fishery industry.



Deep Freezer (Chest)

BT-40H105

Cooling performance **-40°C** Effective Capacity **105L**

2 layer of cold bridge design ,provides maximum protection against thermal intrusion

Humanized big handle design, easy for one-man operation.

Large digital display for ease of observation

Lockable caster design



100mm insulation layer keep perfect performance



pressure equalization port, allows the freezer door to be opened shortly after adding samples



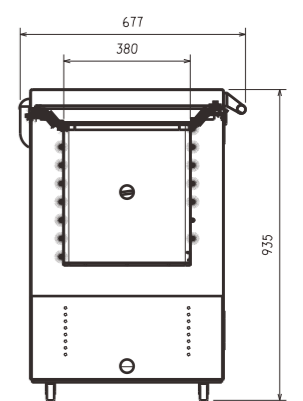
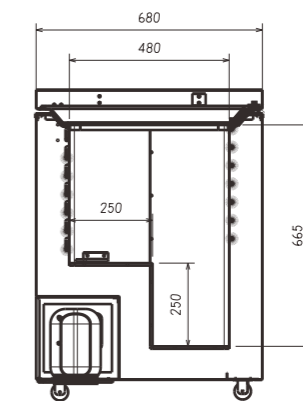
Stepped door panel, minimize loss of cold temperature, more energetic. Optional double door seal, enhanced the stability.

Mixed refrigerant keep fast cooling speed and energy saving



Ideal for long term preservation of virus, germs,vaccines,biological tissues and organs, special food, medicines,reagents etc.

Suitable for scientific research institutions, hospitals,sanitation and antiepidemic station, electronics,chemical industry,machining industry, pelagic fishery industry.



Size (mm)

Deep freezer



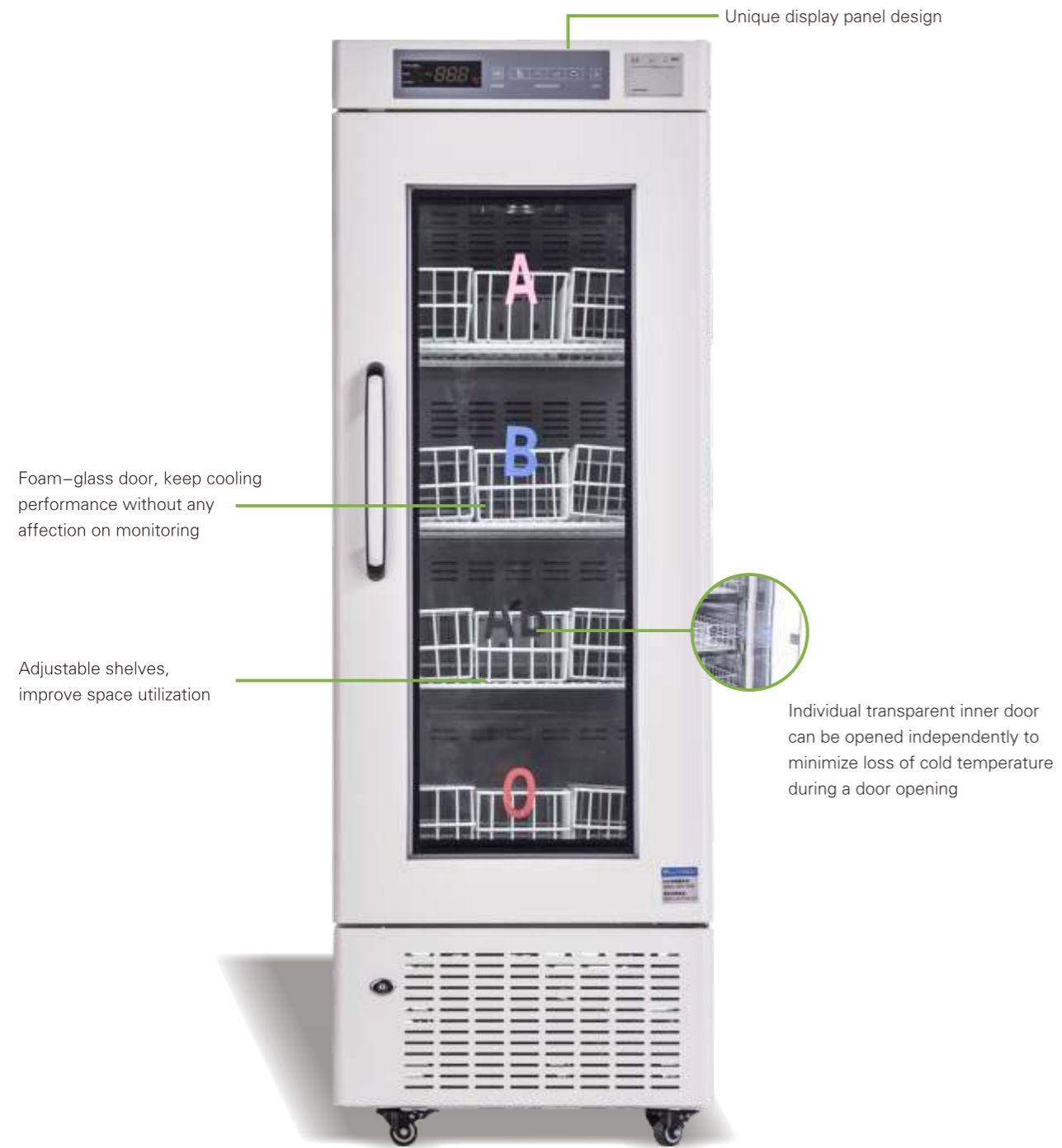
	Model	BT-40V50	BT-40V268E	BT-40V328E	BT-40H105	BT-40H485	BT-25V268E	BT-25V328E	BT-25H100	BT-25H200	BT-25H300
Technical Data	Inner Door	1	4	5	/	/	4	5	/	/	/
	Shelves	Shelves	Shelves	Shelves	/	/	Shelves	Shelves	Baskets	Baskets	Baskets
	Cooling system	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
	Refrigerant	HFC	R290	R290	R404A	R404A	R290	R290	R134a	R134a	R134a
	Ambinet Temperature (°C)	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C
	Temperature Range (°C)	-10~40°C	-30~-40°C	-30~-40°C	-10~40°C	-10~40°C	-10~25°C	-10~25°C	-10~25°C	-10~25°C	-10~25°C
Control	Controller	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess
	Display	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display
Electrical Data	Voltage (V/Hz)	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz
	Power (W)	250W	593W	300W	120W	295W	180	593	87W	100W	120W
Dimension	Capacity (L/cu.ft)	50	268	328	105	485	268	328	100	200	300
	Net/ Gross Weight (kg)	75/95	113/125	128/140	38/42	70/75	113/125	128/140	30/35	35/38	49/51
	Outer Size(W*D*H) (mm)	540*620*1115	673*676*1630	673*676*1886	680*580*935	1655*755*915	673*676*1630	673*676*1886	570*580*880	865*660*875	1120*745*875
	Inner Size(W*D*H) (mm)	361*429*406	508*455*1137	508*455*1393	480*380*665	1455*525*665	508*455*1137	508*455*1393	450*375*705	735*440*685	970*490*660
	Packing Size(W*D*H) (mm)	690*760*1170	735*755*1635	735*755*1900	740*680*970	1710*885*1020	735*755*1635	735*735*1900	665*615*920	955*700*935	1205*790*935
Alarms	High/Low temperature alarms	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Power Failure	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Sensor error	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Controller error	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Door ajar	N/A	Y	Y	N/A	N/A	Y	Y	N/A	N/A	N/A
Accessories	Caster	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Testing hole	Optional	Optional	Optional	1/25MM	Optional	Optional	Optional	Optional	Optional	Optional
	Temperature Recorder	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Others	Certificate	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001, 3C	9001, 13485, 14001, 3C	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001

Blood bank refrigerator(Single door)

BT-4V208

Cooling performance
4 ± 1°C

Effective Capacity
208L



Forced air cooling system keep inside temperature stable and uniform

4 temperature probes, 2 for display, 2 for programming and alarm. provide precisely monitoring and programming

Self-closed and stop structure design, prevent door shut, easy to use.

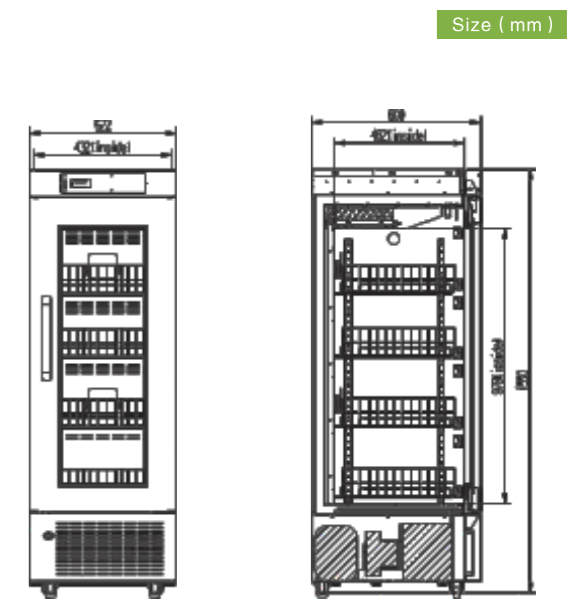


Exclusive patented temperature box design, reveal the real temperature of the blood in storage.

Blood baskets for blood bags storage

To store blood, vaccine, reagent and special test materials.

Suitable for hospital, blood stations, CDC, research institute, chemical, military, electronics industry.



Blood bank refrigerator(Double door)

BT-4V1008

Cooling performance
4 ± 1 °C

Effective Capacity
1008L



Unique display panel design

SUS blood drawer,easy to store blood bags.High quality SUS slide, height adjustable

Individual transparent inner door can be opened independently to minimize loss of cold temperature during a door opening

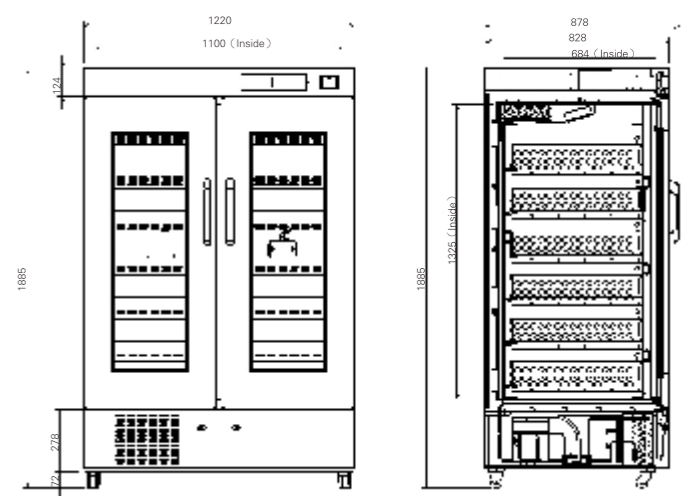
Foam-glass door, keep cooling performance without any affection on monitoring



To store blood, vaccine, reagent and special test materials.

Suitable for hospital ,blood stations, CDC,research institute,chemical,military, electronics industry.

Size (mm)



Blood bank refrigerator



	Model	BT-4V108	BT-4V158	BT-4V208	BT-4V658	BT-4V1008
Technical Data	Shelves	2,plastic coated	3,plastic coated	4,plastic coated	12,plastic coated	12, SUS Drawer
	Cooling type	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling
	Defrost Mode	Auto	Auto	Auto	Auto	Auto
	Refrigerant	R134a	R134a	R134a	R134a	R134a
	Ambinet Temperature (°C)	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C
	Temperature range (°C)	4 ± 1°C	4 ± 1°C	4 ± 1°C	4 ± 1°C	4 ± 1°C
Control	Controller	Microprocess	Microprocess	Microprocess	Microprocess	Microprocess
	Display (LCD/LED)	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display
Electrical Data	Voltage (V/Hz)	187~242V,50~60Hz	187~242V,50~60Hz	187~242V,50~60Hz	187~242V,50~60Hz	187~242V,50~60Hz
	Power (W)	160W	180W	200W	364W	513W
Material	Inner Material	SUS	SUS	SUS	SUS	SUS
	Outer material	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel
	Insulation	PU whole foam	PU whole foam	PU whole foam	PU whole foam	PU whole foam
Dimension	Capacity (L)	108	158	208	658	1008
	450ml Blood bags	66	99	132	360	576
	Net/ Gross Weight (kg)	50/55	56/62	67/75	165/195	256/286
	Outer Size (W*D*H) (mm)	522*600*1050	522*600*1250	522*600*1550	1220*648*1885	1220*878*1885
	Inner Size (W*D*H) (mm)	432*462*478	432*462*728	432*462*978	1100*454*1325	1100*684*1325
	Packing Size(W*D*H) (mm)	572*685*1070	572*685*1320	572*685*1570	1300*730*2080	1300*960*2080
Alarm	High/Low temperature alarms	Y	Y	Y	Y	Y
	Power Failure for 72h	Y	Y	Y	Y	Y
	Controller error	Y	Y	Y	Y	Y
	Low battery alarm	Y	Y	Y	Y	Y
	Door ajar	Y	Y	Y	Y	Y
Accessories	Caster	Y	Y	Y	Y	Y
	Outer door	1/Foam glass door	1/Foam glass door	1/Foam glass door	2/Foam glass door	2/Foam glass door
	Inner door	2	3	4	6	6
	Lock	1	1	1	2	2
	Testing hole	1	1	1	1	1
	Light	LED	LED	LED	LED	LED
	Temperature Recorder	Optional	Optional	Optional	Optional	Optional
Others	Ceertificate	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001

2~8°C Pharmacy refrigerator

BT-5V306/5V406

German quality

European style

Uniform temperature
no fluctuation and dead angle

SmartX universal controller

Intelligent energy saving

Working Temperature Effective capacity
2~8°C 306/406L

- Selection of rational distribution of air duct system, equipped with high efficiency compressor and rational layout of condenser, provide more stable cooling protection; temperature fluctuation between $\pm 1.5^{\circ}\text{C}$.
- Multifunctional integration panel, set the master power switch, light switches, glass membrane switches, printed press, electronic lock unlock button, reset button, USB interface and keys required for normal thermostat in one appearance, atmosphere, convenient operation.
- Intelligent power saving mode, depending on the ambient temperature and the condensation temperature to control condenser fan starts and stops, according to time adjust the temperature inside and control glass film automatically, for the purpose of energy saving.

Features

- Selection of rational distribution of air duct system, equipped with high efficiency compressor and rational layout of condenser, provide more stable cooling protection; temperature fluctuation between $\pm 1.5^{\circ}\text{C}$.
- Temperature synchronizing technology, the precision could achieve 0.1°C
- ATX soft-shutdown technology, protect hardware from shutdown damage
- Multifunctional control panel, integrating the master power switch, light switches, glass membrane switches, printed press, electronic lock unlock button, reset button, USB interface and keys required for normal thermostat together, elegant, simple operating.
- Up to 90,000 group temperature data (including time), recording period more than 13 months, alarm recording (with lift) 1000 groups: door records (including time) 100 sets via USB data by PC-Side reading or long-term preservation.
- Intelligent power saving mode, The fan will automatically start and stop according to ambient temperature and condensation temperature. The inside temperature will adjust according to different time period of the day.
- Connect to PC through 232/485 interface.
- External with high quality cold pressed steel plate and the surface has been advanced anti-corrosion phosphating, spray treatment, safe and reliable
- LED light from top to bottom ensure lighting throughout the cabinet.

Humanized Design

- Reset function: customer could restore by click reset button once parameter disturbance occurs due to customer misuse.
- High/Low temperature query, could query the highest/lowest temperature in the last 24 hours and time of occurrence.
- Optional message alarm function, convenient for temperature monitoring when unattended processes.
- Intelligent lighting control, light will be on when door open; light will be off in 1 minute after door close.
- Automatic springback in the hinge to avoid forgot to close the door
- Adjustable shelves, bottom with baskets, easy for use

Security

- Two alarm styles buzzing and flashing; Alarms: High/Low temperature alarms, controller error alarm, power failure alarm, door ajar alarm, remote alarm, ambient temperature alarm, condenser clean-filter alarm, abnormal voltage alarm, low battery alarm; message alarm module optional.
- Keyboard lock, password protection function, prevent set parameter randomly.
- When power is restored after a power failure, the device will delay start so that all devices can run smooth again;
- Voltage protection: when the voltage exceeds a certain level can cause damage to equipment, equipment forced power off.

Optional

- Thermal printer, GSM SMS alarm module, low temperature protection module, voltage compensation module, electronic code lock and fingerprint lock.

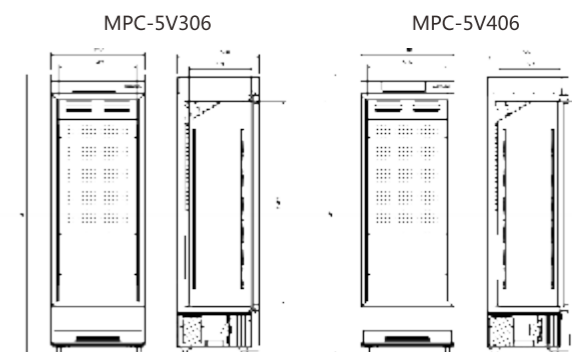
Technical Data

	Model	BT-5V306	BT-5V406
Electrical Data	Voltage (V/Hz)	187~242V, 50~60Hz	
	Rated current(A)	0.98	1.07
	Power(W)	185	215
Dimension	Capacity(L)	306	406
	N./G.W(kg)	80/95	95/100
	External Size(W*D*H)(mm)	640*560*1910	785*560*1910
	Inner Size(W*D*H)(mm)	540*425*1380	685*425*1380
Technical Data	Shelves	4 / 1	
	Cooling system	Forced air cooling	
	Defrost	Automatic	
	Refrigerant	R134a	
	Ambient Temperature (°C)	10~32	
	Temperature Range (°C)	2~8	
	Accuracy (°C)	0.1	
	Temperature fluctuation range(°C)	± 1.5	
	Sensor Type	NTC	
	Controller	Electronic thermostat	

Alarms High/Low temperature alarms, controller error alarm, power failure alarm, door ajar alarm, remote alarm output, ambient temperature alarm, condenser clean-filter alarm, abnormal voltage alarm, low battery alarm

Others USB data record and query, High/low temperature query, message alarm (Optional), Time display and query, energy smart mode, voltage protection, Lights control, external alarm input, 232/485 interface, reset function, alarm records, door open records

Drawing



Pharmacy refrigerator (Single Door)
Laboratory Chromatography cabinet

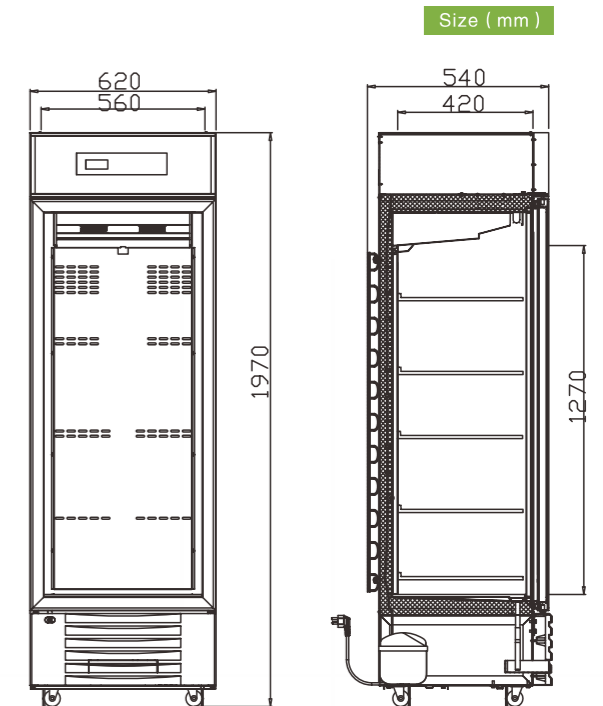
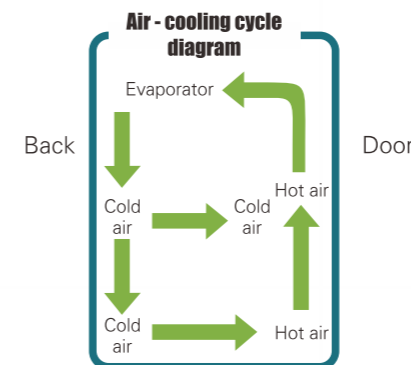
BT-5V300

Cooling performance
2-8°C
Effective Capacity
300L



To store pharmacy, vaccines, reagents and special test materials. Used as laboratory chromatography cabinet with optional plug and plug base.

Suitable for pharmacy, pharmaceutical factories, hospitals, CDC, research institutes, chemical, military, electronics Industries.



Pharmacy refrigerator (Double Door) Laboratory Chromatography cabinet

BT-5V1006

Cooling performance
2-8°C

Effective Capacity
1006L



Forced air cooling system keep inside temperature stable and uniform

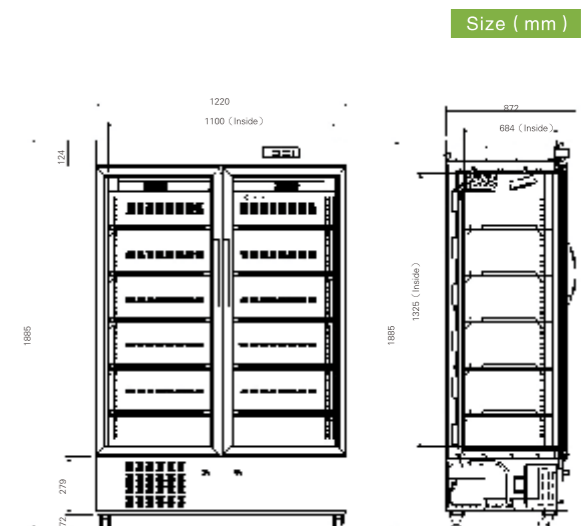
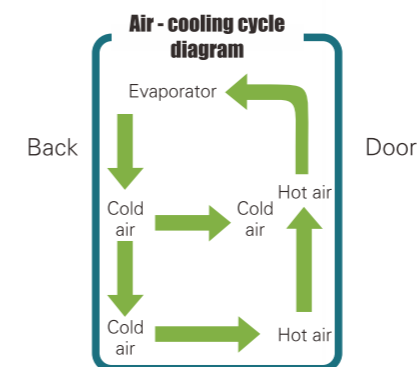
Drainage system ensure no water in the cabinet

Optimized air distribution system, finned evaporator

Heated double-pane glass door allows a clear display of stored products without condensation

To store pharmacy ,vaccines ,reagents and special test materials.Used as laboratory chromatography cabinet with optional plug and plug base.

Suitable for pharmacy,pharmaceutical factories, hospitals CDC ,research institutes ,chemical, military,electronics Industries.



Pharmacy refrigerator Laboratory Chromatography cabinet



	Model	BT-5V62	BT-5V62G	BT-5V150	BT-5V130	BT-5V236	BT-5V300
Technical Data	Cabinet Type	upright,foam door	upright,glass door	upright,glass door	upright,glass door	upright,glass door	upright,glass door
	Type (Shelves/drawers) /Material	Shelves,plastic coated	Shelves,plastic coated	Shelves,plastic coated	Shelves,plastic coated	Shelves,plastic coated	Shelves,plastic coated
	Cooling Type	Direct cooling	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling
	Defrost Mode	Auto	Auto	Auto	Auto	Auto	Auto
	Refrigerant	R600a	R600a	R600a	R600a	R134a	R134a
	Ambient temperature (°C)	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C
	Temperature Range (°C)	2~8°C	2~8°C	2~8°C	2~8°C	2~8°C	2~8°C
Control	Controller	microprocess	microprocess	microprocess	microprocess	microprocess	microprocess
	Display (LCD/LED)	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display	Digital Display
Electrical Data	Power Supply (V/Hz)	187~242V,50~60Hz	187~242V,50~60Hz	187~242V,50~60Hz	187~242V,50~60Hz	187~242V,50~60Hz	187~242V,50~60Hz
	Power (W)	70W	70W	65W	150W	254W	260W
Material	Internal material	HIPS	HIPS	Color sprayed steel	Embossed Alumina board	Color sprayed steel	Color sprayed steel
	External Material	Color Sprayed Steel	Color Sprayed Steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel
	Insulation	PU Whole Foam	PU Whole Foam	PU Whole Foam	PU Whole Foam	PU Whole Foam	PU Whole Foam
Dimewnsions	Capacity (L/cu.ft)	62	62	150L	130	236	300
	Net/Gross Weight (kg)	21/22	21/22	50/55	53/57	63/65	72/75
	External Size (W*D*H) (mm)	470*450*670	470*450*670	595 × 582 × 837	500*503*1292	580*560*1785	620*560*1970
	Internal Size (W*D*H) (mm)	382*347*528	400*347*528	525 × 426 × 730	418*390*668	500*420*1090	540*420*1270
	Packing Size (W*D*H) (mm)	540*540*750	540*540*750	660 × 660 × 970	600*610*1400	710*665*1900	735*685*2075
Alarms	High/Low temperature	Y	Y	Y	Y	Y	Y
	Power Failure	NA	NA	Y	Y	Y	Y
	Abnormal Voltage Alarms	N/A	N/A	N/A	N/A	N/A	N/A
	Controller Error Alarm	Y	Y	Y	Y	Y	Y
	Door Ajar	N/A	N/A	Y	Y	Y	Y
Accessories	Caster	N/A	N/A	N/A	N/A	Y	Y
	Foot	Y	Y	Y	Y	Y	Y
	Outer door/Type	1/foam door	1 glass door	1 glass door	1 glass door	1 glass door	1 glass door
	Outer lock	N/A	N/A	1	1	1	1
	Testing hole	N/A	N/A	N/A	Optional	Optional	Optional
	Light	N/A	N/A	Y	LED	LED	LED
Others	Certificate	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001	9001, 13485, 14001, CE

Pharmacy refrigerator / Laboratory Chromatography cabinet



	Model	BT-5V306	BT-5V406	BT-5V656	BT-5V1006	BT-5H200	BT-5H300
Technical Data	Cabinet Type	upright,glass door	upright,glass door	upright,glass door	upright,glass door	Chest,foam door	Chest,foam door
	Type (Shelves/drawers) /Material	Shelves+Baskets,plastic coated	Shelves+Baskets,plastic coated	Shelves,plastic coated	Shelves,plastic coated	Basket	Basket
	Cooling Type	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling	Direct cooling	Direct cooling
	Defrost Mode	Auto	Auto	Auto	Auto	Manual	Manual
	Refrigerant	R134a	R134a	R134a	R134a	R134a	R134a
	Ambient temperature (°C)	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C
	Temperature Range (°C)	2~8°C	2~8°C	2~8°C	2~8°C	2~8°C	2~8°C
Control	Controller	microprocess	microprocess	microprocess	microprocess	microprocess	microprocess
	Display (LCD/LED)	Digital Display	Digital Display	Digital Display	Digital Display	Digital display	Digital display
Electrical Data	Power Supply (V/Hz)	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz	187-242V,50-60Hz
	Power (W)	185	215	443W	472W	71W	89W
Material	Internal material	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color Sprayed Steel	Embossd AL board	Embossd AL board
	External Material	Color sprayed steel	Color sprayed steel	Color Sprayed Steel	Color Sprayed Steel	Color Sprayed Steel	Color Sprayed Steel
	Insulation	PU Whole Foam	PU Whole Foam	PU Whole Foam	PU Whole Foam	PU Whole Foam	PU Whole Foam
Dimewnsions	Capacity (L/cu.ft)	306	406	656	1006	100	200
	Net/Gross Weight (kg)	80/95	95/100	158/188	207/237	30/32	35/38
	External Size (W*D*H) (mm)	640*560*1910	785*560*1910	1220*642*1885	1220*872*1885	570*580*880	865*660*875
	Internal Size (W*D*H) (mm)	540*425*1380	685*425*1380	1100*454*1325	1100*684*1325	450*375*705	735*440*685
	Packing Size (W*D*H) (mm)	739*655*1945	/	1290*695*1940	1290*925*1940	665*615*920	955*700*935
Alarms	High/Low temperature	Y	Y	Y	Y	Y	Y
	Power Failure	Y	Y	Y	Y	Y	Y
	Abnormal Voltage Alarms	Y	Y	N/A	N/A	N/A	N/A
	Controller Error Alarm	Y	Y	Y	Y	Y	Y
	Door Ajar	Y	Y	Y	Y	N/A	N/A
Accessories	Caster	Y	Y	Y	Y	Y	Y
	Foot	N/A	N/A	N/A	N/A	N/A	N/A
	Outer door/Type	1 glass door	1 glass door	2/glass door	2/glass door	1/Foam Door	1/Foam Door
	Outer lock	1	1	2	2	1	1
	Testing hole	N/M	N/M	Optional	Optional	Optional	Optional
	Light	LED	LED	LED	LED	N/A	N/A
Others	Certificate	9001, 13485, 14001, CE	9001, 13485, 14001, CE	9001, 13485, 14001, CE	9001, 13485, 14001, CE	9001, 13485, 14001	9001, 13485, 14001

Platelet Oscillating Incubator Laboratory Oscillating Incubator

BT-5/BT-10

To store blood platelet(20-24℃)、biological reagent(2-40℃)、chemical products stored at 2-40℃.

Suitable for Hospitals,blood stations,research institutes and university labs.



Temperature control :

- 1.high accuracy sensor.
- 2.Microprocessor temperature control ,temperature adjustment with an variety of 1℃.
- 3.Intelligent control refrigerating and heating according to ambient and inner temperature.



Safety :

- 1.Japan imported oscillation slide rail for longevity and low sound.
- 2.High/Low temperature alarm ,sensor error alarm ,power failure alarm.
- 3.Two alarm styles:audible buzzing and visual flashing light.
- 4.Power cord with earth leakage protection.
- 5.Door ajar alarm.



Refrigeration System :

- 1.Branded condenser fan.
- 2.Imported compressor ,CFC –free refrigerant.
- 3.High efficiency refrigeration system ,fast cooling speed and uniformity temperature inside.
- 4.Imported evaporator for safety and longevity.
- 5.Finned evaporator for more effective cooling and speedy recovery without condensation and accumulated water.
- 6.Double transperant insulation glass door ,filled with inert gas ensure the cooling performance.



Humaznized design :

- 1.Disinfection with UV ,set disinfection time freely ;UV light would off while door open to protect human body.
- 2.Temperature printer can be set as needed.
- 3.Wide voltage from 187V–242V.
- 4.Power on/off switch .more convenient for operation.
- 5.Large digital display for ease of observation.

Platelet Oscillating Incubator Laboratory Oscillating Incubator



	Model	BT-5	BT-10
Technical Data	Cooling type	Forced air cooling	Forced air cooling
	Defrost Mode	No frost	No frost
	Refrigerant	R134a	R134a
	Ambinet Temperature (℃)	10~32℃	10~32℃
	Temperature range (℃)	20~24℃	20~24℃
Control	Controller	Microprocess	Microprocess
	Display	LCD	LCD
Electrical Data	Voltage (V/Hz)	187~242V,50~60Hz	187~242V,50~60Hz
	Power (W)	197W	280W
Material	Inner Material	SUS	SUS
	Outer material	Color sprayed steel	Color sprayed steel
	Insulation	PU whole foam	PU whole foam
Dimension	Layer	5	10
	450ml bags	10	20
	Net/ Gross Weight (kg)	60/65	80/86
	Outer Size(W*D*H) (mm)	522*600*1050	522*600*1300
	Inner Size(W*D*H) (mm)	427*360*467	432*462*728
	Packing Size(W*D*H) (mm)	572*685*1070	572*685*1320
Alarm	High/Low temperature alarms	Y	Y
	Power Failure	Y	Y
	Controller error	Y	Y
	Low battery alarm	Y	Y
	Door ajar	Y	Y
Accessories	Caster	Y	Y
	Outer door	1/Foam glass door	1/Foam glass door
	Testing hole	Optional	Optional
	Light	UV light	UV light
	Temperature Recorder	Optional	Optional
Others	Ceertificate	9001, 13485, 14001	9001, 13485, 14001