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BIOBASE®

Specialist in Lab Freezers and Refrigerators



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INTRODUCTION

BIOBASE Group is a professional manufacturer of laboratory equipments since 1999. We are certified by CE, ISO13485, ISO9001, etc.

Our main cold chain system products are Blood bank refrigerator, Laboratory refrigerator, -25°C Freezer, -40°C Freezer, -60°C Freezer, -86°C Ultra-low temperature Freezer, Freezer racks and boxes, Car refrigerator, Portable refrigerator, Freeze Dryer, Portable refrigerator, Ice maker, etc.

We have more than 5000 employees and 14 factories, our output per year amounts to 20000 units. Pursuing the highest quality is the tenet of BIOBASE.

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CERTIFICATES



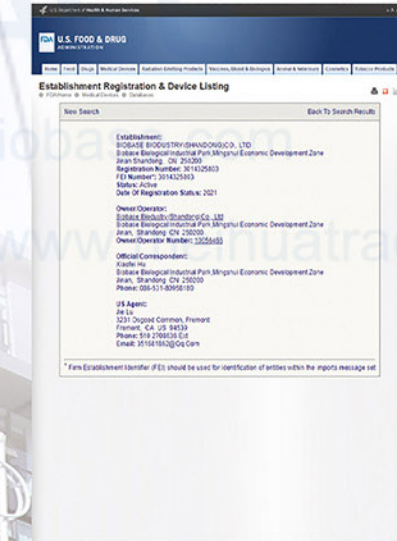
ISO9001



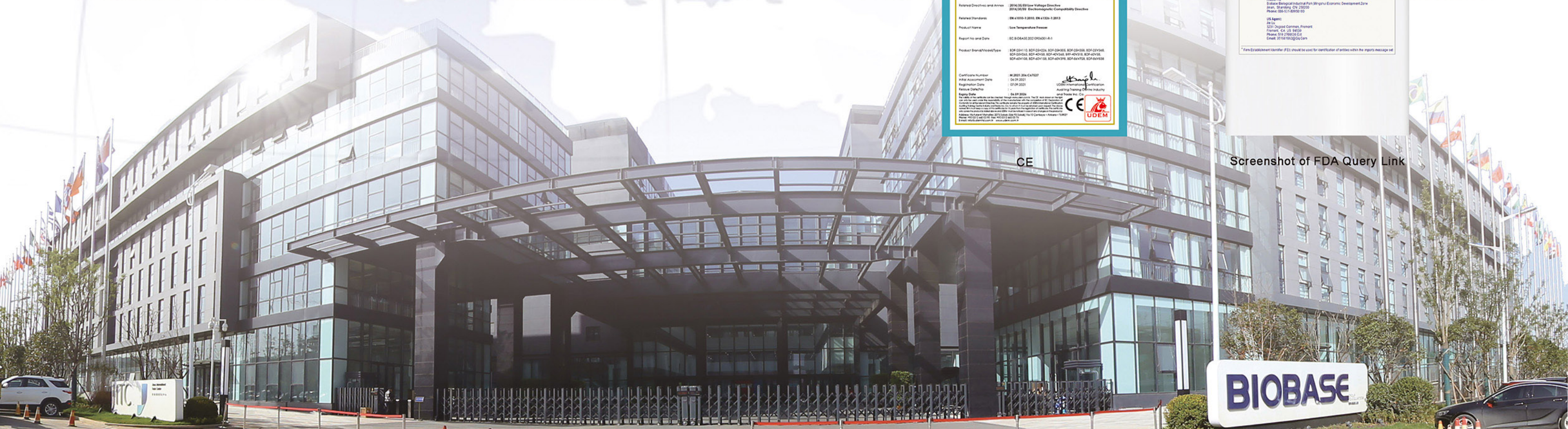
ISO13485



CE



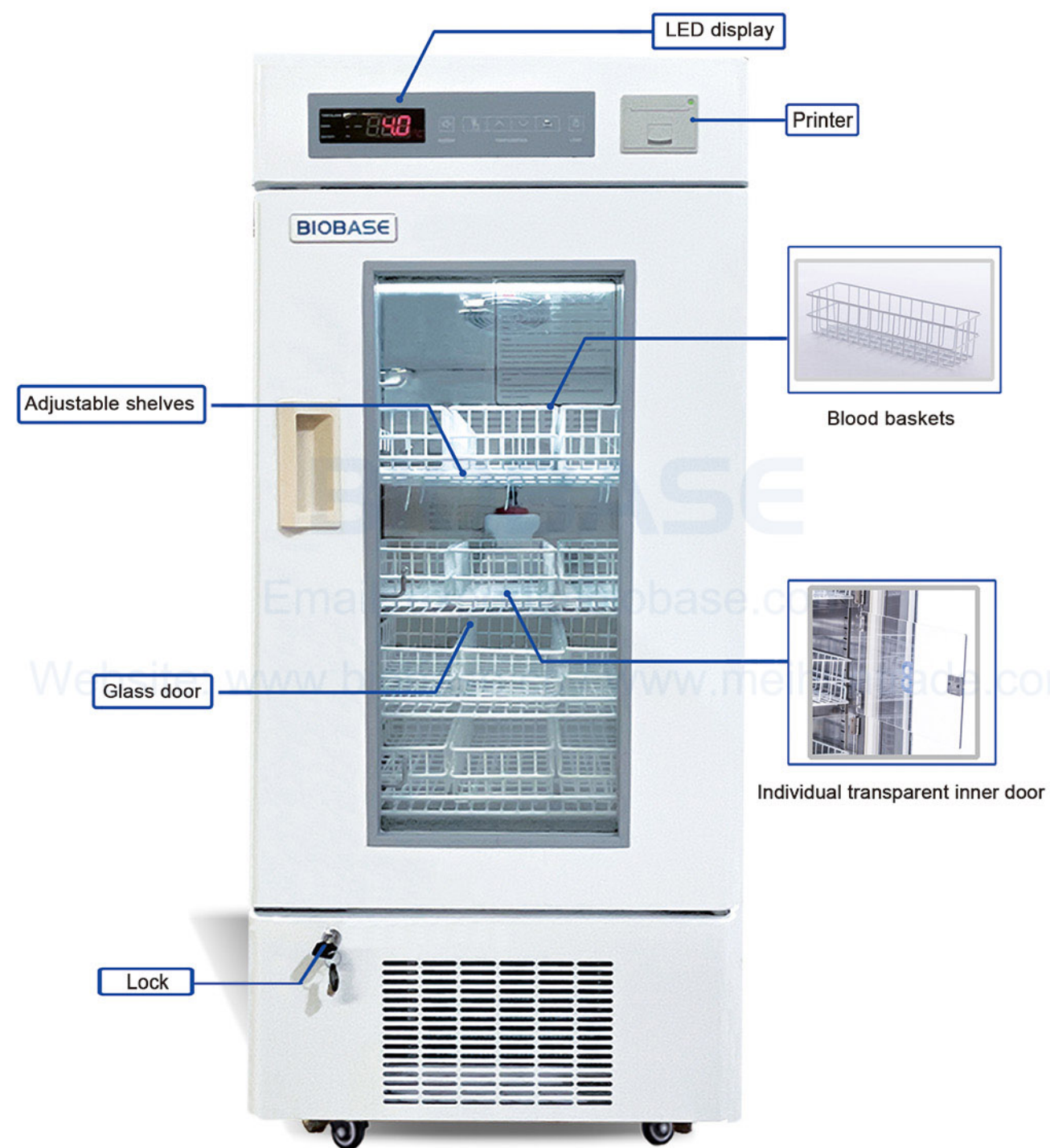
Screenshot of FDA Query Link



Content

	4°C Blood Bank Refrigerator-----	1
	2~8°C Laboratory Refrigerator-----	6
	-25°C Freezer-----	13
	-40°C Freezer-----	17
	-60°C Freezer-----	25
	-80°C Freezer-----	27
	-86°C Freezer-----	28
	-150°C Freezer-----	31
	Freezer Racks and Boxes-----	32
	Freeze Dryer-----	34
	Car Refrigerator-----	40
	Portable Refrigerator-----	41
	Biosafety Transport Box-----	42
	Flake Ice Maker & Cube Ice Machine-----	44

Blood Bank Refrigerator(4±1°C)



Blood Bank Refrigerator



Advantage

- 1. Multiple sensors design: make sure the precise monitoring and programming.
- 2. Unibody Design, Mono-assembly foaming (Rigid polyurethane insulation material).
- 3. Forced air refrigeration system, ensure inner temperature constant and uniform.
- 4. Adjustable shelves, improve space utilization; blood storage baskets can be classified.
- 5. Individual transparent inner door, effectively reduce cool air loss when opening the door.

Technical Parameters

Model	BBR-4V86	BBR-4V136	BBR-4V296	BBR-4V356
Capacity	86L	136L	296L	356L
Temp. Range	4±2℃			
Temp. Accuracy	0.1℃			
Control System	Microprocessor control			
Display	LED display			
Alarm	Audio and visual alarm for: High or low temperature, Sensor & system failure; Door ajar, Power failure			
Refrigeration Type	Forced air refrigeration system			
Refrigerant	R134a, CFC-Free			
Compressor	International famous compressor			
Condenser & Evaporator	High efficiency air-cooled condenser; Made of copper			
Defrost	Frostless design			
Construction	Unibody Design, Mono-assembly foaming (Rigid polyurethane insulation material)			
Material	Internal Material	Stainless steel		
	External Material	Sprayed steel plate		
Door	Electric heated glass semi-foamed door with lock, Acrylic inner door		Electric heating glass outer door; Acrylic inner door; Outer door with locking buckle	
Consumption	245W	252W	267W	352W
Power Supply	AC220V±10%, 50Hz (Standard); AC110/220V,60Hz (Optional)			
Casters	Two universal casters with brakes, two directional casters			
Adjustable Shelves	2pcs	4pcs	4pcs	5pcs
Baskets	6pcs	12pcs	12pcs	15pcs
Blood Bags (450ml)	66pcs (200ml)	99pcs (450ml)	156pcs (450ml)	195pcs (450ml)
Standard Accessory	Thermal printer, LED lamp, The temperature test box, probe access port, door key			
Optional Accessory	Temperature recorder			
External Size(W*D*H) mm	530*660*1037	530*660*1287	630*720*1658	630*720*1886
Package Size(W*D*H)mm	672*732*1251	672*732*1501	762*812*1866	762*812*2091
Gross Weight	105kg	104kg	145kg	167kg

Blood Bank Refrigerator (Double Door)



Introduction:

Blood bank refrigerator series products are applied to places needing storage at constant temperature, such as hospitals, epidemic prevention stations, blood banks, scientific research institutions, colleges and universities, biological pharmacies, genetic engineering, etc. The storing temperature in the body can be regulated by the temperature button on the control panel. The application is convenient and the performance is reliable.

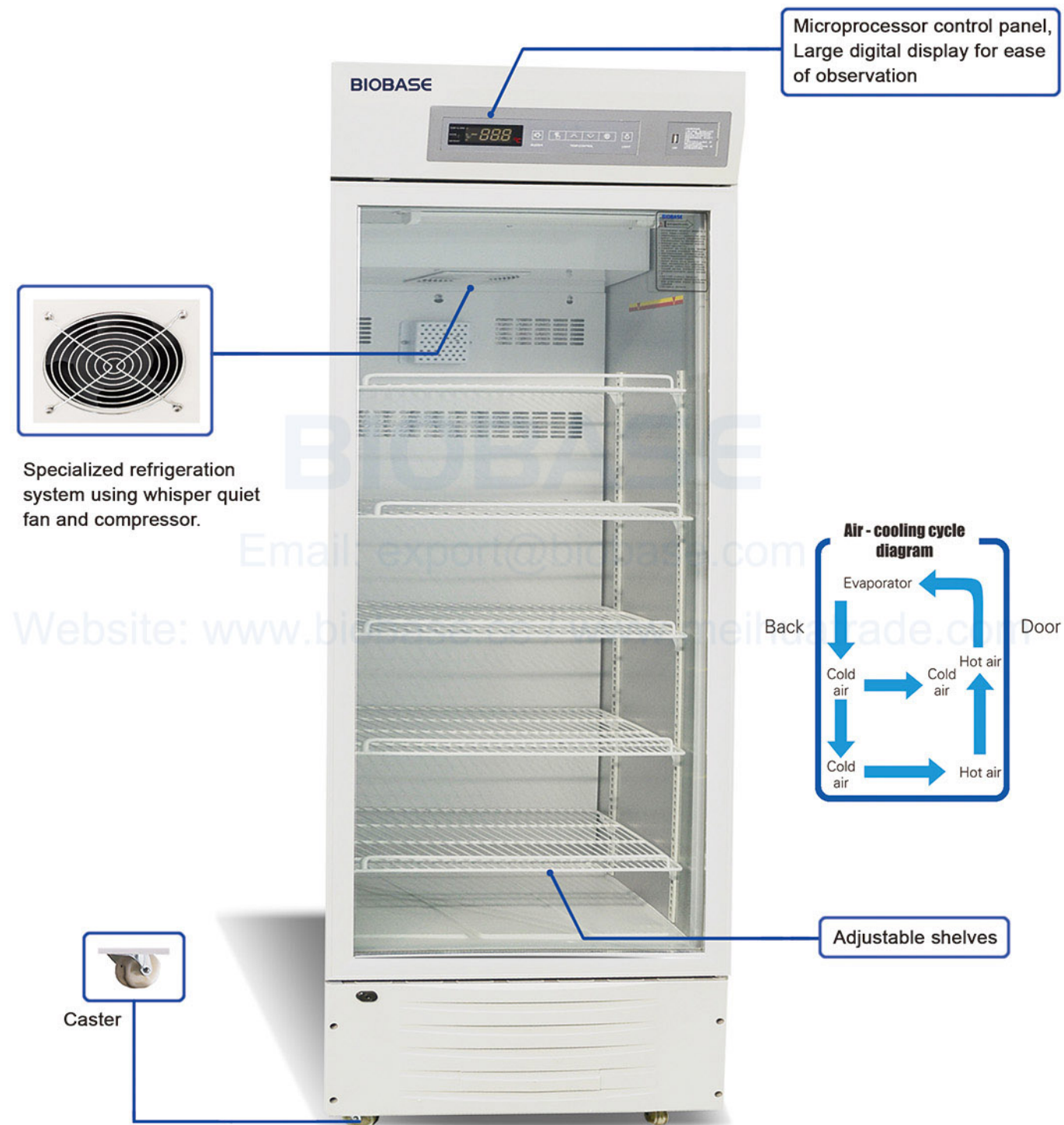
Advantage:

- 1. Multiple sensors design: make sure the precise monitoring and programming.
- 2. Electric heated glass semi-foamed door, easy to observe, also keep a better cooling temperature.
- 3. Forced air refrigeration system, ensure inner temperature constant and uniform.
- 4. Adjustable shelves, improve space utilization; blood storage baskets can be classified.
- 5. Individual transparent inner door, effectively reduce cool air loss when opening the door.

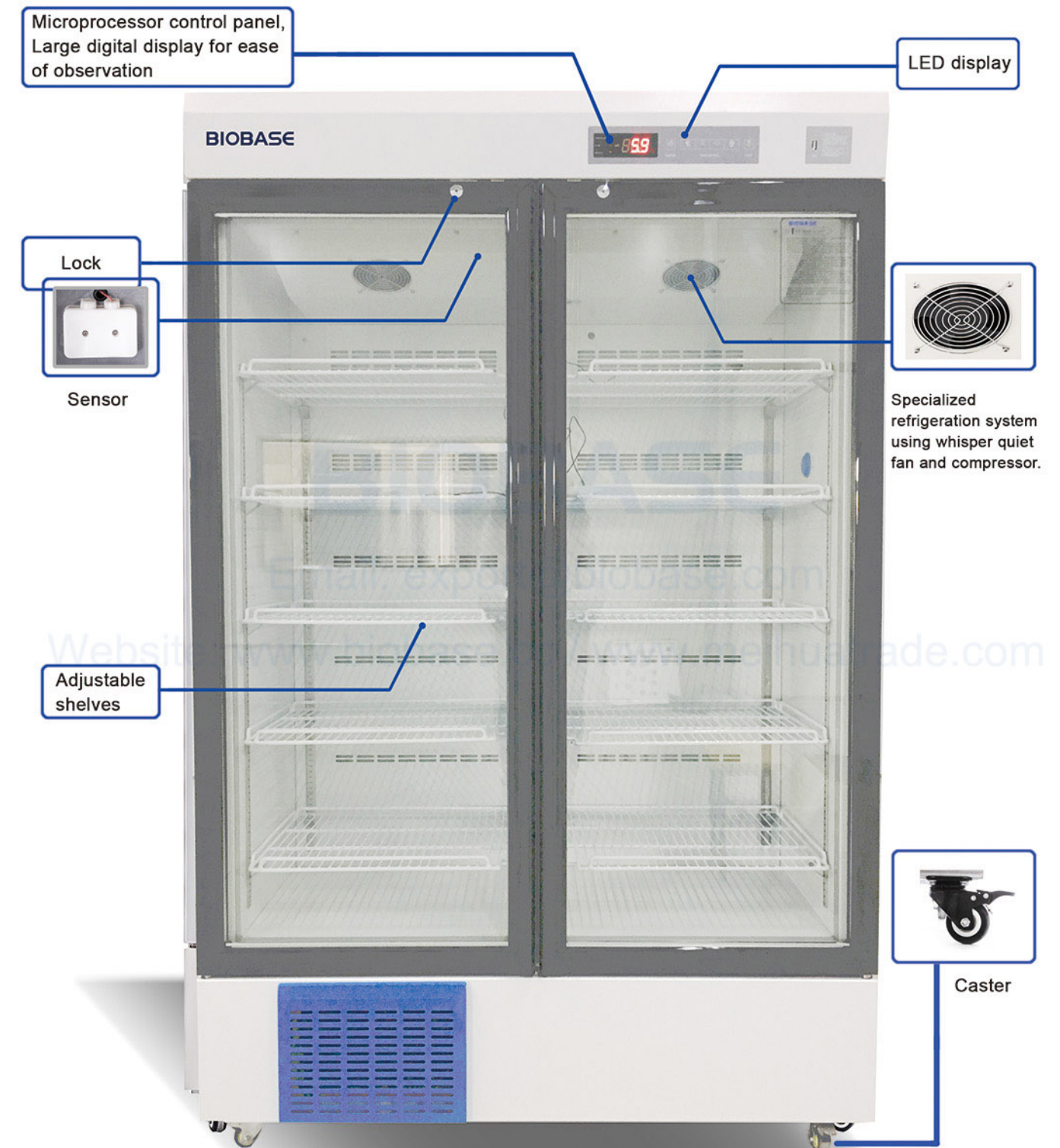
Technical Parameters

Model	BBR-4V626	BBR-4V966
Capacity	626L	966L
Temp. Range	4±2℃	
Temp. Accuracy	0.1℃	
Control System	Microprocessor control	
Display	LED display	
Alarm	Audio and visual alarm for: High or low temperature, Sensor & system failure; Door ajar, Power failure, Low battery	
Refrigeration Type	Forced air refrigeration system	
Refrigerant	R134a, CFC-Free	
Defrost	Frostless Design	
Construction	Unibody Design, Mono-assembly foaming (Rigid polyurethane insulation material)	
Material	Internal Material	Stainless steel
	External Material	Cold-rolled steel with anti-bacteria powder coating
Door	Electric heated glass semi-foamed door with lock, Heating film preventing frosting, Sealing joint strip with magnetic force. Transparent plastic inner door*6	
Shelves	6*2, Adjustable shelves	
Casters	4 casters	
Consumption	550W	560W
Power Supply	AC110V/220V±10%, 50/60Hz	
Blood Bags (450ml)	10*36=360 pcs	16*36=576 pcs
Standard Accessory	Temperature printer, 12 shelves, 36 baskets, LED lamp, probe access port, door key	
Optional Accessory	Temperature recorder	
External Size (W*D*H) mm	1220*665*1885	1220*895*1885
Package Size (W*D*H) mm	1345*770*2020	1345*975*2020
Gross Weight	255kg	330kg

Laboratory Refrigerator(2-8°C)



Laboratory Refrigerator(2-8°C)



Laboratory Refrigerator



118L



238L



298L



628L/968L

Technical Parameters

Model		BPR-5V118	BPR-5V238	BPR-5V298	BPR-5V628	BPR-5V968
External Size(W*D*H) mm		500*550*1300	580*575*1810	620*575*1980	1220*630*1885	1220*860*1885
Capacity		118L	238L	298L	628L	968L
Temp. Range		2℃~8℃				
Temp. Accuracy		0.1℃				
Control System		Microprocessor Control, Large Screen LED Display				
Alarm		Audible and visual alarm for: High and low temperature, Power failure alarm, Door ajar,Thermostat failure				
Refrigeration Type		Forced air refrigeration system				
Refrigerant		R600a, CFC Free			R134a, CFC Free	
Condenser & Evaporator		Bundy tube condenser				
Defrost		Manual defrost Auto defrost				
Construction	Structure	Unibody Design & Mono-assembly foaming (Rigid polyurethane insulation material)			Unibody Design & Mono-assembly foaming (Polyurethane cyclopentane insulation material)	
	Internal Material	Embossed aluminum sheet			Spraying steel plate	
	External Material	Spraying steel plate				
Shelves		4 pcs	4pcs	5 pcs	10 pcs	
Door		Glass door with electric heating				
Consumption		162W	162W	189W	537W	
Power Supply		AC220V±10%, 50/60Hz(only for BPR-5V118) ,AC110/220V±10%, 50/60Hz				
Standard Accessories		LED Lamp,USB port, probe access port(BPR-5V628 & BPR-5V968)				
Optional Accessory		Temperature recorder,Temperature printer(USB port can not be selected at the same time), probe access port				
Package Size(W*D*H) mm		590*595*1380	670*650*1870	700*650*2030	1340*750*2100	1340*980*2100
Gross Weight		51kg	68kg	84kg	235kg	262kg

Laboratory Refrigerator



BPR-5V68



BPR-5V108

Technical Parameters

Model	BPR-5V68	BPR-5V108
External Size(W*D*H)mm	495*548*683	495*548*934
Internal Size(W*D*H)mm	415*405*455	415*405*706
Capacity	68L	108L
Temperature Range	2~8℃	
Temperature Accuracy	0.1℃	
Control System	Microprocessor Control	
Alarm	Audible and visual alarm for: High and low temperature,Door Ajar, Thermostat failure	
Refrigeration Type	Forced air refrigeration system	
Refrigerant	R600a	
Climate Type	N, SN	
Glass Door	Toughened with electric heating function,no condensation	
Construction	Constructure	Polyurethane cyclopentane foams
	Internal material	Spraying steel plate
	External material	Spraying steel plate
Consumption	92W	92W
Power Supply	AC220V±10%, 50/60Hz; AC110V±10%, 50/60Hz	
Shelves	2pcs, cold drawn steel wire impregnated shelf	3 pcs,cold drawn steel wire impregnated shelf
Door Lock	1 pcs	
Accessory	Standard: USB Port, LED Lamp	
	Optional: temperature recorder, printer(USBport can not be selected at the same time)	
Package Size(W*D*H)mm	560*668*858	560*668*1109
Gross Weight(kg)	49	61

Laboratory Refrigerator



260L



360L

Technical Parameters

Model	BPR-5V260	BPR-5V360
External Size(W*D*H) mm	540*635*1900	660*655*1980
Capacity	260L	360L
Temp. Range	2~8℃	
Temp. Accuracy	0.1℃	
Control System	Microprocessor Control, Large Screen LED Display	
Alarm	Audible and visual alarm for: High temperature & sensor failure,door ajar, Power failure alarm, Low battery alarm.	
Refrigeration Type	Forced air refrigeration system	
Refrigerant	R134a, CFC Free	
Condenser & Evaporator	Bundy tube condenser	
Defrost	Frostless design	
Construction	Structure	Unibody design & mono-assembly foaming (Rigid polyurethane insulation material)
	Internal material	HIPS engineering plastics, abrasion and acid resistant
	External material	Cold-rolled steel coated with anti-bacteria powder
Shelves	Adjustable shelves made of high quality steel wire	
	4 pcs	5 pcs
Consumption	200W	350W
Power Supply	AC220V±10%, 50/60Hz	
Standard Accessory	LED lamp & shelves, USB, probe access port, door keys	
Package Size(W*D*H) mm	600*670*2150	720*750*2150
Gross Weight(kg)	87	124

Laboratory Refrigerator



656L

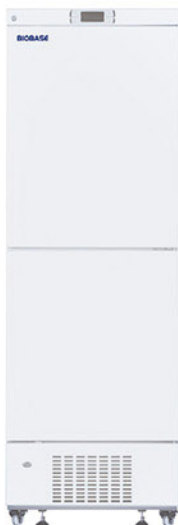


1500L

Technical Parameters

Model		BPR-5V650	BPR-5V1500
External Size(W*D*H) mm		1220*642*1885	1800*775*1965
Capacity		656L	1500L
Temp. Range		2~8℃	
Temp. Accuracy		0.1℃	
Control System		Microprocessor Control & Large Screen LED Display	
Alarm		Audible and visual alarm for: High and low temperature,Thermostat fault ,Door Ajar,Power Failure	Senor fault, door Ajar
Refrigeration Type		Forced air refrigeration system	
Refrigerant		R290	R134a, CFC Free
Condenser&Evaporator		High efficiency air-cooled condenser, made of copper	
Defrost		Frostless design	
Construction	Structure	Unibody design & Mono-assembly foaming (rigid polyurethane insulation material)	
	Internal Material	Spraying steel plate	Stainless steel
	External Material	Spraying steel plate	Stainless steel
Shelves		Adjustable shelves made of high quality steel wire	
		10 pcs	12 pcs
Consumption		385W	1040W
Power Supply		AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz
Standard Accessory		LED lamp, Shelves, Door keys, Testing hole (only for BPR-5V650), Battery	
Package Size(W*D*H) mm		1335*715*2000	1880*820*2150
Gross Weight		189kg	319kg

-25℃ Freezer (Separate Refrigerator)



300L



368L

Technical Parameters

Model		BDF-25V300RF	BDF-25V368
External Size(W*D*H) mm		650*620*1980	720*830*1870
Capacity	Refrigerator:198L, internal size 565*480*759mm		Upper:189L
	Freezer:102L, internal size 461*465*600mm		Lower:179L
Temp.Range	Refrigerator: 2℃~8℃;		Upper: 2℃~8℃
	Freezer: -10℃~-25℃		Lower: -10℃~-25℃
Temp. Accuracy		0.1℃	
Control System		Microprocessor control	
Alarm		Sensor failure alarm, high or low temperature alarm,open the door alarm; Thermostat failure	
Cooling Method		Direct cooling	Upper: Air refrigeration; Lower: Direct cooling
Refrigerant		R290, CFC free	CFC free
Condenser		Aluminum and iron pipes	Wire tube condenser
Construction	Structure	Unibody design and thickened environmental protection foam insulation layer	
	Internal Material	PS plate	Cold- rolled steel coated with
	External Material	Pre-coated galvanized plate	anti-bacteria powder
Shelf / Drawer		Refrigerator: 2 shelves Freezer: 3 drawers	Upper:3 plastic dipping shelves Lower:2 plastic dipping shelves, 6 PS drawers
Consumption		333W	300W
Power Supply		Standard:220V 50/60Hz,optional:110V 60Hz	
Package Size(W*D*H) mm		720*695*2015	775*920*1990
Gross Weight		120kg	166kg

-25°C Freezer



Technical Parameters

Model		BDF-25V268	BDF-25V328	BDF-25V270	BDF-25V350
External Size(W*D*H) mm		673*676*1630	673*676*1886	690*744*1631	690*744*1885
Capacity		268L	328L	270L	350L
Type		Vertical			
Temp. Range		-10℃~-25℃			
Temp. Accuracy		0.1℃			
Control System		Microprocessor Control & LED Display			
Alarm		High and low temperature;		High or low temperature alarm,	
		sensor failure; Door ajar alarm;		power outage alarm,Thermostat	
		Thermostat alarm		alarm,Door switch alarm	
Refrigeration Type		Direct Refrigeration			
Refrigerant		R290, CFC free			
Compressor		International famous compressor			
Condenser & Evaporator		Wire tube condenser; Coil type evaporator			
Construction	Structure	Unibody Design & Mono-assembly foaming (Rigid polyurethane insulation material)			
	Internal Material	Spraying steel plate		SUS304	
	External Material	Spraying steel plate		Cold-rolled steel coated with bacterial powder	
Shelve		3pcs	4pcs	3pcs	4pcs
Consumption		180W	180W	290W	305W
Power Supply		AC220V±10%, 50/60Hz; 110V±10%,60Hz		220V±10%, 50Hz	
Package Size(W*D*H) mm		760*760*1750	750*760*2030	810*860*1820	810*860*2100
Gross Weight		114kg	125kg	155kg	170kg

-25°C Freezer



Technical Parameters

Model		BDF-25V100	BDF-25V936
External Size(W*D*H) mm		540*540*880	1304*1000*2017
Internal Size(W*D*H) mm		410*410*670	1000*700*1335
Capacity		100L	936L
Type		Vertical	
Temp. Range		-10℃~-25℃	
Temp. Accuracy		0.1℃	
Control System		Microprocessor control, LED Digital Display	
Audible and Visual Alarm		High and low temperature alarm, sensor failure alarm, power failure alarm, door open alarm, etc.	High and low temperature alarm, sensor failure alarm, thermostat failure alarm, power failure alarm, door open alarm, ambient temperature alarm, condenser failure alarm, filter inspection alarm, abnormal voltage alarm, low battery alarm.
Alarm Method		Sound beeps and lights flash	
Refrigeration type		Direct refrigeration	
Refrigerant		R600a	R404A
Construction	Foam Layer Thickness	65mm	150mm
	Internal Material	HIPS	304 stainless steel
	External Material	Sprayed steel plate	
Consumption		150W	1000W
Power Supply		AC220V±10%, 50/60Hz	AC110V/220V±10%, 50/60Hz
Package Size (W*D*H) mm		610*625*950	1360*1135*2170
Gross Weight		43kg	421kg

-25°C Freezer

Features

- 1.Digital temperature display.
- 2.The safety lock can prevent random opening.
- 3.Baskets made of steel wire are convenient to store articles.
- 4.Round corner design of doors and the body provides luxury and elegance.
- 5.Delayed start and safe stop interval between restart and being terminated, ensure reliable running.



BDF-25H305

Technical Parameters

Model		BDF-25H305
External Size(W*D*H) mm		1148*740*872
Capacity		305L
Temp. Range		-10℃~-25℃
Temp. Accuracy		0.1℃
Control System		Microprocessor control&LED display
Alarm		High or low temperature alarm, sensor failure alarm, thermostat alarm, power failure alarm
Refrigeration Type		Direct refrigeration
Refrigerant		R134a
Condenser&Evaporator		Internal-mounted condenser and finned evaporator
Construction	Structure	Whole foaming, freon cyclopentane/isopentane high density polyurethane foam
	Internal Material	Spraying steel plate
	External Material	Spraying steel plate
Basket		none
Consumption		106W
Power Supply		AC220V±10%,50/60Hz; AC110V±10%,60Hz
Package Size(W*D*H)mm		1223*777*1005
Gross Weight		87kg

-40°C Freezer



90L



268L

Technical Parameters

Model		BDF-40V90	BDF-40V268II
External Size(W*D*H)		600*610*945mm	690*744*1631mm
Internal Size(W*D*H)		440*447*640mm	520*567*1013mm
Capacity		90L	268L
Type		Vertical	
Temp. Range		-15℃~-40℃	
Temp. Accuracy		0.1℃	
Control System		Microprocessor Control; LED Display	
Alarm		BDF-40V90: High or low temperature alarm,sensor failure alarm,power failure alarm,door open alarm.	High or low temperature alarm, door ajar alarm, power failure alarm, sensor failure alarm
Refrigeration Type		Direct Refrigeration	
Refrigerant		R290	CFC free
Compressor		Unicompressor,imported famous brand compressor	International well-known brand
Construction	Structure	Uniboday design	
	Internal Material	304 stainless steel	Stainless steel
	External Material	Sprayed steel plate	
Drawer/Shelf		2 pcs shelves	3pcs shelves,Stainless Steel
Consumption		252W	335W
Power Supply		AC220V±10%, 50/60HZ	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Package Size		725*735*1160mm	810*860*1820mm
Gross Weight		83kg	165kg

-40°C Freezer



Technical Parameters

Model	BDF-40V362	
External Size(W*D*H)	690*744*1885mm	
Internal Size(W*D*H)	520*567*1266mm	
Capacity	362L	
Type	Vertical	
Temp. Range	-15℃~-40℃	
Temp. Accuracy	0.1℃	
Control System	Microprocessor Control; LED Display	
Alarm	High or low temperature alarm, door ajar alarm, power failure alarm, sensor failure alarm	
Refrigeration Type	Direct cooling	
Refrigerant	CFC free	
Compressor	Well-known brand	
Construction	Structure	Uniboday design
	Internal Material External Material	Spraying steel plate
Shelf	4pcs	
Consumption	360W	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Package Size	810*860*2100mm	
Gross Weight	180kg	

-40°C Freezer



Technical Parameters

Model	BDF-40V58	BDF-40V368
External Size(W*D*H)	540*620*1115mm	720*830*1870mm
Internal Size(W*D*H)	361*405*406mm	Upper:580*626*625mm Down:466*636*625mm
Capacity	58L	Upper:189; Down:179L
Type	Vertical	
Temp. Range	-15℃~-40℃	Upper:2℃~8℃ Down:-20℃~-40℃
Temp. Accuracy	0.1℃	
Control System	Microprocessor Control LED Display	
Alarm	BDF-40V58&BDF-40V398: High or low temperature alarm,sensor failure alarm; BDF-40V368: High or low temperature alarm,sensor failure alarm,power failure alarm, door open alarm.	
Refrigeration Type	Direct Refrigeration	
Refrigerant	R404a and R23	R600a and R290
Compressor	Unicompressor,imported famous brand compressor	
Material	Structure	Uniboday design
	Internal	304 stainless steel
	External	Sprayed steel plate
Shelf	1 pc shelf	Upper:3 pcs shelves Down:2 pcs shelves and 6 drawers
Consumption	340W	402W
Power Supply	AC220V±10%, 50/60HZ	
Package Size	610*690*1275mm	775*920*1990mm
Gross Weight	98kg	166kg

-40℃ Freezer



Technical Parameters

Model		BDF-40V328	BDF-40V398
External Size(W*D*H)		673*676*1886mm	850*960*1860mm
Internal Size(W*D*H)		508*455*1393mm	610*660*1200mm
Capacity		328L	480L
Type		Vertical	Vertical
Temp. Range		-30℃~-40℃	-10℃~-40℃
Temp. Accuracy		0.1℃	0.1℃
Control System		Microprocessor Control LED Display	Microprocessor Control LED Display
Alarm		BDF-40V398: High or low temperature alarm,sensor failure alarm; BDF-40V328: High or low temperature alarm, power failure alarm, door ajar alarm, thermostat failure alarm, sensor failure alarm	
Refrigeration Type		Direct Refrigeration	Direct Refrigeration
Refrigerant		R600a and R290	CFC free
Compressor		Unicompressor,imported famous brand compressor	International well-known brand
Material	Structure	Uniboday design	Uniboday design
	Internal	Sprayed steel plate	Stainless steel
	External	Sprayed steel plate	Painted steel panel,150mm foaming insulation
Shelf		4pcs shelves	3pcs shelves,Stainless Steel
Consumption		300W	420W
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Package Size		750*760*2030mm	935*1030*2030mm
Gross Weight		132kg	250kg

-40℃ Freezer



Technical Parameters

Model		BDF-40V268	BDF-40V528
External Size(W*D*H)		673*676*1630mm	900*819*1828mm
Internal Size(W*D*H)		508*455*1137mm	651*631*635mm 651*631*635mm
Capacity		268L	528L
Type		Vertical	
Temp. Range		-30℃~-40℃	-20~-40℃
Temp. Accuracy		0.1℃	
Control System		Microprocessor Control LED Display	
Alarm		High or low temperature alarm, power failure alarm, door ajar alarm, thermostat failure alarm, sensor failure alarm (of BDF-40V528 without this alarm)	
Refrigeration Type		Direct Refrigeration	
Refrigerant		R290	R290
Compressor		Unicompressor,imported famous brand compressor	
Material	Structure	Uniboday design	
	Internal	Sprayed steel plate	
	External	Sprayed steel plate	
Drawer/Shelf		3pcs shelves	18 drawers
Consumption		300W	340W
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Package Size		760*760*1750mm	930*970*2000mm
Gross Weight		118kg	184kg

-40°C Freezer



BDF-40V608



BDF-40V708



BDF-40V808



BDF-40V936

Technical Parameters

Model		BDF-40V608	BDF-40V708	BDF-40V808	BDF-40V936
External Size(W*D*H) mm		940*980*1920	1090*1000*1920	1090*1010*2025	1304*1000*2017
Internal Size(W*D*H) mm		700*680*1255	850*680*1255	850*735*1335	1000*700*1335
Capacity		598L	708L	808L	936L
Type		Vertical			
Temp. Range		-15℃~-40℃			-25℃~-40℃
Temp. Accuracy		0.1℃			
Control System		Microprocessor control, LED Digital Display			
Audible and Visual Alarm		High and low temperature alarm, sensor failure alarm. (BDF-40V608, BDF-40V708, BDF-40V808)			
		High and low temperature alarm, sensor failure alarm, thermostat failure alarm, power failure alarm, door open alarm, ambient temperature alarm, condenser failure alarm, filter inspection alarm, abnormal voltage alarm, low battery alarm. (BDF-40V936)			
Alarm Method		Sound beeps and lights flash			
Refrigeration Type		Direct refrigeration			
Refrigerant		R404A and R23			R404A
Construction	Foam Layer Thickness	120mm			150mm
	Internal Material	304 stainless steel			
	External Material	Sprayed steel plate			
Consumption		1000W			
Power Supply		AC110V/220V±10%, 50/60Hz			
Package Size (W*D*H) mm		1025*1050*2090	1220*1080*2070	1175*1075*2180	1360*1135*2170
Gross Weight		315kg	350kg	365kg	416kg

-40°C Freezer



105L



220L



320L



485L

Technical Parameters

Model		BDF-40H105	BDF-40H205	BDF-40H305	BDF-40H485
External Size(L*W*H) mm		680*580*935	1160*765*885	1530*765*885	1655*755*915
Capacity		105L	220L	320L	485L
Temperature Range		-10℃~-40℃	-15℃~-40℃		-20℃~-40℃
Temperature Accuracy		0.1℃			
Control System		Microprocessor Control, LED Display			
Alarm		BDF-40H100&BDF-40H485: High or low temperature alarm, sensor failure alarm, Power failure alarm, Temperature controller failure alarm BDF-40H200&BDF-40H300: High temperature alarm, sensor failure alarm			
Refrigeration Type		Direct Refrigeration			
Refrigerant		R290	R404a and R23		R290
Evaporator		Material of Copper			
Construction	Structure	Unibody Design & Mono-assembly foaming (Rigid polyurethane insulation material)			
	Internal material	304 Stainless Steel			
	External material	Powder coated cold rolled steel plate			
Consumption		160W	380W	460W	295W
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Package Size(L*W*H) mm		750*700*1040	1230*835*1055	1600*835*1055	1775*900*1060
Gross Weight		65kg	143kg	170kg	138kg

-60°C Freezer



Technical Parameters

Model		BDF-60V30	BDF-60V608	BDF-60V708	BDF-60V808	BDF-60V938
External Size(W*D*H) mm		470*490*1120	940*980*1920	1090*1000*1920	1090*1010*2025	1240*1000*2000
Internal Size(W*D*H) mm		270*265*400	700*680*1255	850*680*1255	850*735*1335	1000*700*1335
Capacity		30L	598L	708L	808L	938L
Type		Vertical				
Temp. Range		-25℃~-60℃				
Temp. Accuracy		0.1℃				
Control System		Microprocessor control, LED Digital Display				
Audible and Visual Alarm		High and low temperature alarm, sensor failure alarm.				
Alarm Method		Sound beeps and lights flash				
Refrigeration Type		Direct refrigeration				
Refrigerant		R404A and R23				
Construction	Foam Layer Thickness	100mm	120mm			
	Internal Material	304 stainless steel				
	External Material	Sprayed steel plate				
Consumption		400W	1100W	1100W	1150W	1150W
Power Supply		AC110V/220V±10%, 50/60Hz				
Package Size(W*D*H) mm		540*560*1285	1025*1050*2090	1220*1080*2070	1175*1075*2180	1325*1070*2170
Gross Weight		85kg	315kg	350kg	365kg	405kg

-60°C Freezer



Technical Parameters

Model	BDF-60V58	BDF-60V108	BDF-60V158	BDF-60V398
External Size(W*D*H)mm	540*620*1115	700*730*1260	700*700*1580	850*960*1860
Internal Size(W*D*H)mm	361*405*406	460*460*510	460*455*800	610*660*1200
Capacity	58L	108L	158L	408L
Temp.Range	-25℃ ~ -60℃, adjustable			
Temp.Accuracy	0.1℃			
Control System & Display	Microprocessor control, LED display			
Audio & Visual Alarm	High or low temperature alarm ;Sensor failure alarm			
Refrigeration Type	Optimized auto-cascade refrigerating system			
Refrigerant	Unique fluoride-free mixed refrigerant, CFC-Free			
Condenser & Evaporator	Optimized evaporation and condensation system, strong cooling and low energy consumption			
Construction	Structure	90mm ultra-thick foam layer	120mm ultra-thick foam layer	150mm ultra-thick foam layer
	Internal Material	304 stainless steel		
	External Material	Sprayed steel plate		
Consumption	450W	480W	500W	550W
Power Supply	AC110V/220V±10%,50/60Hz			
Package Size(W*D*H)mm	610*690*1275	785*800*1430	785*770*1750	935*1030*2030
Gross Weight	101kg	133kg	150kg	250kg

-60°C Freezer



Safety sysem

1. Perfect alarm system with buzzer sound and lamp flashing alarm functions
2. High temperature alarm & Temperature sensor failure alarm
3. Multiple-protection function (Password protection, power-on delay, time between stops, refrigeration system operation protection during sensor failure)

Technical Parameters

Model	BDF-60H58	BDF-60H118A	BDF-60H218	BDF-60H318	BDF-60H458
External Size(W*D*H) mm	670*765*905	900*765*945	1160*765*885	1530*765*885	2115*895*1095
Internal Size(W*D*H) mm	470*470*300	696*470*385	960*470*595	1330*470*595	1380*500*660
Capacity	60L	118L	220L	320L	458L
Temp. Range	-25°C~-60°C, adjustable				
Temp. Accuracy	0.1°C				
Control System & Display	Microprocessor control, LED display				
Audio & Visual Alarm	High or low temperature alarm;Sensor failure alarm				
Refrigeration Type	Optimized auto-cascade refrigerating system				
Refrigerant	Unique fluoride-free mixed refrigerant, CFC-Free				
Condenser & Evaporator	Optimized evaporation and condensation system, strong cooling and low energy consumption				
Construction	structure	100mm(150mm only for BDF-60H458) ultra-thick foam layer, dual-sealing design of door, for effective temperature protection			
	Internal Material	304 stainless steel			
	External Material	Sprayed steel plate			
Consumption	330W	340W	400W	480W	520W
Power Supply	AC110V/220V±10%,50/60Hz				
Package Size(W*D*H) mm	740*835*1075	1020*830*1075	1230*835*1055	1600*835*1055	2215*935*1245
Gross Weight	101kg	128kg	143kg	170kg	255kg

-80°C Freezer



Technical Parameters

Model	BDF-80V30	
External Size(W*D*H) mm	470*490*1120	
Internal Size(W*D*H) mm	266*261*400	
Capacity	30L	
Type	Vertical	
Temp. Range	-40°C~80°C	
Temp. Accuracy	0.1°C	
Control System	Microprocessor control, LED Digital Display	
Audible and Visual Alarm	High and low temperature alarm, sensor failure alarm.(BDF-80V30)	
Alarm Method	Sound beeps and lights flash	
Refrigeration Type	Direct refrigeration	
Refrigerant	R404A and R23	
	Foam Layer Thickness	100mm
Construction	Internal Material	304 stainless steel
	External Material	Sprayed steel plate
Consumption	500W	
Power Supply	AC110V/220V±10%, 50/60Hz	
Package Size (W*D*H) mm	540*560*1285	
Gross Weight	85kg	

-86°C Freezer



BDF-86V58



BDF-86V108



BDF-86V160

Technical Parameters

Model		BDF-86V58	BDF-86V108	BDF-86V160
External Size(W*D*H) mm		635*757*1212	700*730*1260	700*700*1580
Internal Size(W*D*H) mm		330*453*410	460*460*510	460*455*800
Capacity		58L	108L	158L
Type		Vertical		
Temp. Range		-40℃~-86℃		
Temp. Accuracy		0.1℃		
Control System		Microprocessor control, LED Digital Display		
Audible and Visual Alarm		High and low temperature alarm, sensor failure alarm, thermostat failure alarm, power failure alarm, door open alarm, ambient temperature alarm, condenser failure alarm, filter inspection alarm, abnormal voltage alarm, low battery alarm. (BDF-86V58)		
		High and low temperature,sensor failure.(BDF-86V108 BDF-86V160)		
Alarm Method		Sound beeps and lights flash		
Refrigeration Type		Direct refrigeration	Optimized auto-cascade refrigerating system	
Refrigerant		R290 and R170	R404a and R23	
Compressor		1 set		
Condenser& Evaporator		Made of copper		
	Foam Layer Thickness	150mm	120mm	
Construction	Internal Material	304 stainless steel		
	External Material	Sprayed steel plate		
Door		Lockable door		
Caster		4 casters		
Chamber with Inner Door		1	2	3
Shelf		1pcs	1pcs	2pcs
Temp. Test Port		1, Φ25mm	1, Φ18mm	1, Φ18mm
Consumption		442W	520W	650W
Power Supply		AC110V/220V±10%, 50/60Hz		
Package Size (W*D*H) mm		730*845*1400	785*800*1430	800*780*1750
Gross Weight		155kg	133kg	155kg



338L



340L



408L

Technical Parameters

Model	BDF-86V338		BDF-86V340	BDF-86V408
External Size(W*D*H) mm	880*980*1940		875*980*1900	891*930*1945
Internal Size(W*D*H) mm	488*607*1140		488*607*1140	606*575*1180
Capacity	338L		340L	408L
Type	Vertical			
Temp. Range	-40~-86℃			
Temp. Accuracy	0.1℃			
Control System	Microprocessor control, LCD touch screen		Microprocessor control, LED display	
Audible and Visual Alarm	High and low temperature, Sensor failure, Door ajar, Power failure, Voltage abnormal, Ambient temperature abnormal, Low voltage, Filter blocking			
Refrigeration type	Optimized auto-cascade refrigerating system		Direct refrigeration	Optimized auto-cascade refrigerating system
Refrigerant	R290 and R170		R290 and R170	
Compressor	2 sets		1 set	
Condenser&Evaporator	Made of copper			
Construction	Structure	100mm ultra-thick foam layer	150mm ultra-thick foam layer	
	Internal Material	SS 304		
	External Material	Sprayed steel plate		
Door	Lockable door			
Caster	4 casters			
Chamber with Inner Door	2			
Shelf	3 pcs			
Temp. Test Port	1, φ25mm			
Consumption	870W		810W	890W
Power Supply	AC110V/220V±10%, 50/60Hz			
Standard Accessory	72 hours battery backup for power failure alarm, USB port			
Max. Optional Storage Racks	12*LD4×4		12*LD4×4	16*LD4×4
Max. Optional Boxes	192		192	256
Package Size (W*D*H) mm	940*1070*2130		935*1070*2130	955*955*2100
Gross Weight	305kg		283.5kg	291kg

-86°C Freezer



Technical Parameters

Model		BDF-86V588	BDF-86V728	BDF-86V838
External Size(W*D*H) mm		880*1080*2000	1260*890*2010	1175*1075*1990
Internal Size(W*D*H) mm		606*738*1310	963*558*1350	894*718*1310
Capacity		588L	728L	838L
Type		Vertical		
Temp. Range		-40℃~-86℃		
Temp. Accuracy		0.1℃		
Control System		Microprocessor control, LCD touch screen		Microprocessor control, LED Digital Display
Audible and Visual Alarm		High and low temperature, Sensor failure, Door ajar, Power failure, Voltage abnormal, Ambient temperature abnormal,Low voltage, Filter blocking		
Refrigeration type		Direct refrigeration		
Refrigerant		R290 and R170		
Compressor		2 sets		
Condenser&Evaporator		Made of copper		
Construction	Structure	150mm ultra-thick foam layer	100mm ultra-thick foam layer	150mm ultra-thick foam layer
	Internal Material	SS 304		
	External Material	Sprayed steel plate		
Door		Lockable door		
Caster		4 casters		
Chamber with Inner Door		2		
Shelf		3 pcs		
Temp. Test Port		1, φ25mm	1,φ25mm	1,φ25mm
Consumption		815W	935W	1700W
Power Supply		AC110V/220V±10%, 50/60Hz		
Standard Accessory		72 hours battery backup for power failure alarm, USB port		
Max. Optional Storage Racks		16*LD5×5	24*LD5×4	18*LD7×5
Max. Optional Boxes		400	480	630
Package Size (W*D*H) mm		975*1140*2200	1320*970*2190	1270*1100*2185
Gross Weight		368kg	401.5kg	430kg

-150°C Freezer



Technical Parameters:

Model	BDF-150H58	BDF-150H128
External Size(W*D*H) mm	670*765*1040	1560*957*1178
Internal Size(W*D*H) mm	410*410*385	500*450*578
Capacity	58L	128L
Type	Horizontal	
Temp. Range	-100~-145°C	-40~-150°C
Temp. Accuracy	0.1°C	0.1°C
Control System	Microprocessor control, LED Digital Display	Microprocessor control, LCD touch screen
Audible and Visual Alarm	Over temperature alarm	High temperature alarm, low temperature alarm, abnormal power supply alarm, sensor failure alarm, thermostat failure alarm, filter screen inspection alarm, ambient temperature alarm, condenser failure alarm.
Alarm Method	Sound beeps and lights flash	
Refrigeration type	Direct refrigeration	
Refrigerant	Mixed refrigerants	
Compressor	1 set	1 set
Construction	Foam Layer Thickness	130mm
	Internal Material	304 stainless steel
	External Material	Sprayed steel plate
Consumption	1800W	2550W
Power Supply	AC110V/220V±10%, 50/60Hz	380V, 50Hz
Package Size (W*D*H) mm	710*810*1080	1637*970*1383
Gross Weight	115kg	340kg

Freezer Racks



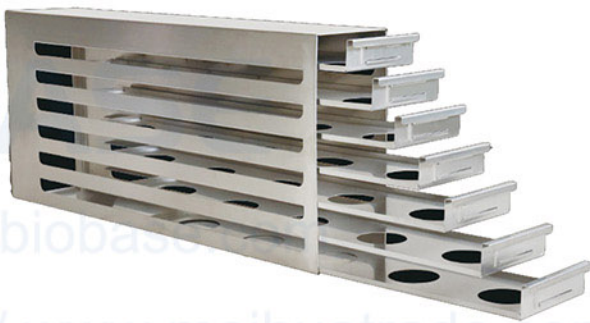
LD4X4



LD5X4



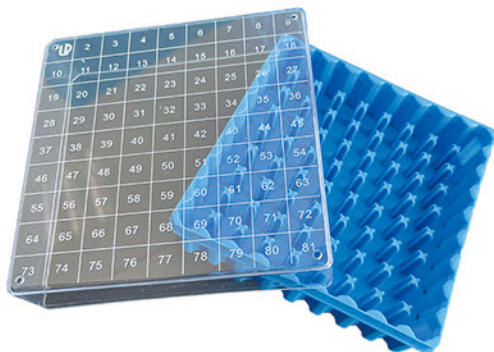
LD5X5



LD7X5



PC Freezer Box



PP Freezer Box

Features

- * Made of corrosion-resistant 304 stainless steel, it can be frozen and thawed repeatedly and stored for a long time.
- * Products can be used for sample storage in ultra-low temperature upright refrigerators.
- * The product can withstand temperature range: -196℃ to 121℃.

Freezer Racks Parameters

Model	Specification	Material	Size(L*W*H)	Thickness
LD4X4	4 layers and 4 columns	304 stainless steel	560*140*242mm	1.2mm
LD5X4	5 layers and 4 columns	304 stainless steel	560*140*295mm	1.2mm
LD5X5	5 layers and 5 columns	304 stainless steel	685*140*295mm	1.2mm
LD7X5	7 layers and 5 columns	304 stainless steel	685*140*406mm	1.2mm

Freezer Box Parameters

Material	Specification	Size
PC	81 squares	133*133*52mm
	100 squares	
PP	81 squares	
	100 squares	

Freeze Dryer

Laboratory Freeze Dryer

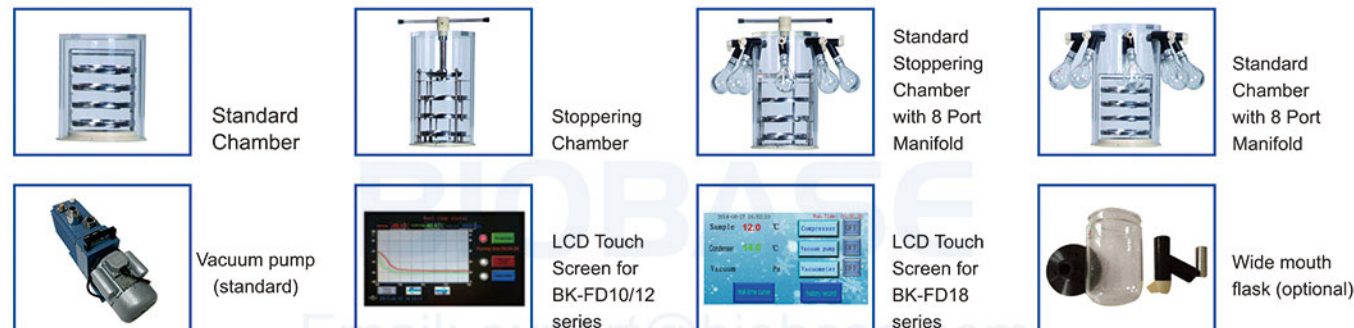
Introduction

The lab series freeze dryer is suitable for freeze drying test of laboratory biomedical samples. Widely used in drugs, biological products, chemical and food industries. On the heat-sensitive substances such as antibiotics, vaccines, blood products, hormones and other biological tissue enzymes, freeze-drying technology is applied.

Features

1. LCD touch screen.
2. With historical data inquiry function.
3. With USB interface to export the data.
4. Large capacity ice condenser trap and without coil inside.
5. With cascade refrigeration technology.
6. Pre-freezing shelf can be used as guide barrel to speed up the drying rate.
7. Ice condenser trap and operation panel are made by stainless steel.
8. Drying chamber is transparent which is visual and safe.
9. Shelves are stainless steel, which can be adjustable per the requirements.

Accessories



Pilot Freeze Dryer

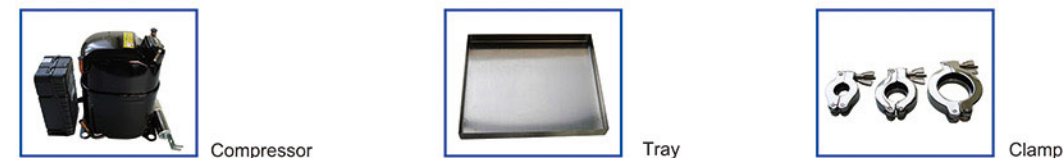
Introduction

Biobase vacuum freeze dryer (square cabinet) is suitable for laboratory samples of freeze drying test, and a small amount of production.

Features

1. Pre-freezing, drying in-situ, easy to operate, good drying effect.
2. Inflatable (discharge) valve adopts safety diaphragm valve, which can be connected to inert gas source, and is filled with inert gas after drying to extend the shelf life of the material.
3. Freeze-drying curve optimization control technology, which can control the cooling rate during the pre-freezing stage, and control the heating rate of the sample and the vacuum value of the current stage in the sublimation and analytical drying stages.
4. 7-inch true color touch screen.
5. Can save hundreds of process recipes, each group contains 50 temperature control sections to improve process optimization rate.
6. Intelligent data recording system, real-time recording and display of cold trap temperature curve, sample temperature curve, vacuum degree curve, export data can be browsed and printed by computer and various operations to facilitate process optimization and drying effect verification.
7. Flexible manual + automatic control mode, manual mode used for groping process, automatic mode used for batch production.
8. Real-time alarm display and historical alarm query function for fault diagnosis and equipment maintenance.
9. User level and password can be set and decentralized for operation management.

Accessories



Tabletop Freeze Dryer



Technical Parameters

Model	BK-FD10S	BK-FD10P	BK-FD10T	BK-FD10PT
Type	Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	0.12m²		0.09m²	
Tray	4/6(Option)pcs		3pcs	
Height Between Trays	76/50mm		70mm	
Cold Trap Temperature	-60℃			
Cold Trap Capacity	6.9L			
Cold Trap Size (Diameter*H)	Φ215*190mm			
Vacuum Degree	<10Pa			
Water Capture Capacity	3kg/24h			
Tray Size (D*H)	Φ200*20mm		Φ200*20mm	
Freeze Drying Time	24h			
Loading Capacity/Shelf (Liquid)	0.3L			
Total Loading Capacity (Liquid)	1.2L		0.9L	
Drying Chamber Size (Diameter*H)	Lower circle φ260mm Upper circle φ240mm Height 450mm			
Total Qty. Of Vial Φ22	260		195	
Total Qty. Of Vial Φ16	480		360	
Total Qty. Of Vial Φ12	920		690	
Refrigerant	R600a+R290+R23			
Cooling System	Air cooling			
Power Consumption	0.9KW			
Power Supply	AC220V, 50/60Hz(single phase); 110V, 60Hz(single phase)			
Standard Accessory	Vacuum pump 2L/S, 8m3/h, Material tray, Material rack, PC cover (for all models) Conical-mouth flask 500ml*8 pcs, Switch valve*8 pcs (only for model BK-FD10P/PT)			
Optional Function & Accessory	Electric defrost function, Nitrogen gas filling valve, Oil mist filter (for all models) 800ml Wide-mouth flask (for BK-FD10P/PT)			
External Size (W*D*H)	600*560*374/820mm		600*560*374/880mm	
Package Size	Main Body	670*700*560 (80kg)		
(W*D*H) mm/	Drying Chamber	400*400*620 (15kg)		
Gross Weight	Vacuum Pump	570*240*360 (22kg)		

Vertical Freeze Dryer



BK-FD12S



BK-FD12P



BK-FD12T



BK-FD12PT

Technical Parameters

Model	BK-FD12S(-60/-80)	BK-FD12P(-60/-80)	BK-FD12T(-60/-80)	BK-FD12PT(-60/-80)
Type	Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	0.12m ²	0.18m ²	0.09m ²	
Tray	4/6(Optional)pcs		3pcs	
Height Between Trays	76/50mm		70mm	
Cold Trap Temperature	≤-60℃/-80℃(Option)			
Cold Trap Capacity	9.3L			
Cold Trap Size(D*H)	Φ217*250mm			
Vacuum Degree	<10Pa			
Water Capture Capacity	4kg/24h			
Tray Size (D*H)	Φ200*20mm			
Freeze Drying Time	24h			
Loading Capacity/Shelf(Liquid)	0.3L			
Total Loading Capacity(Liquid)	1.2L	1.8L	0.9L	
Drying Chamber Size(D*H)	Lower circle Φ260mm Upper circle Φ240mm Height 450mm			
Can Load Vials Qty	Φ22mm	260	195	
	Φ16mm	480	360	
	Φ12mm	920	690	
Refrigerant	R600a+R290+R23			
Cooling System	Air cooling			
Consumption	-60℃: 0.9kW -80℃: 1.5Kw (Option)			
Power Supply	220V/50Hz,60Hz (single phase);110V/60Hz (single phase, only for -60℃)			
Standard Accessory	-60℃ Cold trap, Vacuum pump 2L/S, 8m3/h, Material tray, Material rack, PC cover (for all models) Conical-mouth flask 500ml*8 pcs, Switch valve*8 pcs (only for model BK-FD12P/PT)			
Optional Function & Accessory	-80℃ Cold trap, Electric defrost function, Nitrogen gas filling valve, Oil mist filter (for all models) 800ml Wide-mouth flask (for BK-FD12P/PT)			
External Size(W*D*H)	480*620*920/1370mm			
Package Size	Main Body	730*600*1180 (80kg)		
(W*D*H)mm /	Drying Chamber	400*400*620 (15kg)		
Gross Weight	Vacuum Pump	570*240*360 (22kg)		



BK-FD18S



BK-FD18P



BK-FD18T



BK-FD18PT

Technical Parameters

BK-FD18S(-56/-80)	BK-FD18P(-56/-80)	BK-FD18T(-56/-80)	BK-FD18PT(-56/-80)
Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
0.18m ²		0.09m ²	
4 pcs		3 pcs	
70mm			
≤-56℃/-80℃(Option)			
23L			
Φ270*400mm			
<5 Pa			
6kg/24h			
Φ240*18mm		Φ200*18mm	
18-36h			
0.45L		0.3L	
1.8L		0.9L	
Φ300*445mm	Φ300*465mm	Φ300*540mm	Φ300*570mm
-		183	
-		345	
-		615	
R600a+R23			
Air cooling			
-56℃: 1.4kW, -80℃: 2.1.kW		-56℃: 1.4kW, -80℃: 2.1.kW	
AC220V, 50/60Hz(single phase), 110V, 60Hz(single phase)			
-56℃ Cold trap ,Vacuum pump 4L/S, 14.4m3/h, Material rack, Material tray (for all models) Flasks 100ml*2, 250ml*2, 500ml*2, 1000ml*2 (only for model BK-FD18P/PT)			
-80℃, -110℃ Cold trap, Anti-reverse oil stop valve, Oil mist filter, Import vacuum pump (for all models) Conical-mouth flask and wide-mouth flask (for BK-FD18P/PT)			
630*580*970/1415mm	630*580*970/1435mm	630*580*970/1510mm	630*580*970/1810mm
790*690*1200mm (148kg)			
420*420*560/mm (14kg)	430*430*660mm (26kg)		
620*370*450 (32kg)			

Pilot Freeze Dryer



BK-FD20S



BK-FD20T



BK-FD30S



BK-FD30T

Technical Parameters

Model	BK-FD20S(Standard)	BK-FD20T(Stoppering)	BK-FD30S(Standard)	BK-FD30T(Stoppering)
Freeze Drying Area	0.3m ²	0.2m ²	0.4m ²	0.3m ²
Shelf Temperature	-50℃~+70℃(no-loading)			
Cold Trap Temperature	<-75℃(no-loading)			
Vacuum Degree	≤5 Pa(no-loading)			
Water Capture Capacity	≥6		≥8	
Cold Trap Volume	14L	/		26L
Cold Trap Size (Diameter*H)	Φ200*460mm	/		Φ320*520mm
Drying Chamber Size (W*D*H)	330*325*470mm		340*500*420mm	480*380*540mm
Shelf & Tray Size(W*D*H)	Shelf: 400*270*18mm		Shelf: 300*340*18mm	
	Tray: 395*265*25mm		Tray: 295*335*25mm	
Qty. Of Shelf & Tray	Shelf: 3+1, Tray: 3		Shelf: 4+1, Tray: 4	
Sample Loading Capacity (Liquid)	3L	2L	4L	3L
Height Between Trays	70mm	70mm	50mm	70mm
Tray Temperature Difference	±1℃			
Refrigerant	R404A + R23			
Condenser Cooling Mode	Air cooling			
Defrost Mode	Electric defrosting		Natural defrosting (option electric defrosting)	Electric defrosting
Stoppering Mode	/	manual	/	automatic
Total Qty. Of Vial	Φ22mm	/	440	/
	Φ16mm	/	868	/
	Φ12mm	/	1554	/
Vacuum Pump	4L/S(14.4m ³ /h)		6L/S(22m ³ /h)	
Electric Defrosting Consumption	800W	800W	/	1000W
Silicone Oil Heating Rods Consumption	800W	800W	1000W	1000W
Hydraulic Pressure Station Consumption	/	500W	/	1000W
Total Consumption	3KW	3KW	4.5KW	5.5KW
Power Supply	AC220V, 50Hz/60Hz (single phase)			
Main Body Weight	300kg		400kg	
External Size(W*D*H) mm	840*750*1580mm	840*750*1580mm	920*780*1350mm	1260*850*1420mm
Package Size(W*D*H)mm	Main Body	980*860*1720mm/400kg	980*860*1720mm/470kg	1100*980*1570mm/450kg
Gross Weight	Vacuum Pump	950*420*500mm (37kg)	790*340*460mm (57kg)	790*300*470mm (52kg)

Optional: Import vacuum pump, Vacuum pump anti-return valve, Eutectic point tester, Oil mist filtration system, Vacuum adjustment device



BK-FD50S



BK-FD50T



BK-FD100S



BK-FD100T

Technical Parameters

BK-FD50S(Standard)	BK-FD50T(Stoppering)	BK-FD100S(Standard)	BK-FD100T(Stoppering)
0.7m²	0.5m²	1.04m²	1.15m²
-50℃~+70℃(no-loading)			
<-75℃(no-loading)			
≤5 Pa(no-loading)			
≥10kg		≥15kg	
/	70L		
/	Φ400*560mm		
410*510*590 mm	620*510*580mm	410*580*520mm	700*590*760mm
Shelf: 480*360*18mm	Shelf: 410*410*18mm	Shelf: 480*360*18mm	Shelf: 480*600*18mm
Tray: 475*355*25mm	Tray: 405*405*25mm	Tray: 475*355*25mm	Tray: 475*595*25mm
Shelf: 4+1, Tray: 4	Shelf: 3+1, Tray: 3	Shelf: 6+1, Tray: 6	Shelf: 4+1, Tray: 4
7L	5L	10L	11L
70mm			100mm
±1℃			
R404A + R23			
Air cooling			
Natural defrosting (option electric defrosting)	Electric defrosting	Electric defrosting	Electric defrosting
/	automatic	/	automatic
/	1050	/	2460
/	2058	/	4788
/	3075	/	8624
8L/S(29m³/h)		15L/S(54m³/h)	
/		1000W	
1000W		1600W	
/	1000W	/	1500W
5.5KW	6.5KW	6.5KW	7.5KW
AC380V, 50Hz/60Hz (three phase) BK-FD50S:AC220V, 50Hz/60Hz (single phase)			
600kg	800kg	700kg	1000kg
1000*850*1420mm	1490*850*1620mm	1170*830*1665mm	1640*1100*1630mm
1130*980*1620mm/565kg	1600*1040*2040mm/800kg	1320*990*1855mm/900kg	1800*1250*2100mm/1200kg
790*330*445mm (73kg)	830*370*600mm (88kg)	785*455*300mm (95kg)	800*500*500mm (70kg)

Optional: Import vacuum pump, Vacuum pump anti-return valve, Eutectic point tester, Oil mist filtration system, Vacuum adjustment device

Car Refrigerator



Features

1. Removable tray for extra storage.
2. Environment-friendly semiconductor cooling, low noise.

Technical Parameters

Model	CR-19
Display	LED
Capacity	19L
Temp. Range	Cooling:22~25℃ lower than the ambient temperature; Heating:60±5℃
Consumption	Cooling:70W; Heating:60W
Power Supply	DC12V/24V, AC220V, 50Hz; 110V, 50Hz
External Size(W*D*H) mm	465*315*340
Internal Size(W*D*H) mm	380*180*250
Package Size(W*D*H) mm	510*360*390
Gross Weight	7.5kg

Portable Refrigerator



BJPX-L6



BJPX-L8



BJPX-L12/15



BJPX-L20



BJPX-L33/55



BJPX-L65/85

Technical Parameters

Model	BJPX-L6	BJPX-L8	BJPX-L12	BJPX-L15
External Size(mm)	330*235*275	335*225*205	425*262*305	425*262*305
Internal Size(mm)	240*145*180	295*167*168	325*170*225	363*203*244
Inner Capacity	6L	8L	12L	15L
Configuration	1pc refrigerator 4pcs Crystal Ice 400ml 1pc digital thermometer	1pc refrigerator 4pcs Crystal Ice 400ml 1pc digital thermometer	1pc refrigerator 1pc tray 1pc partition 6 pcs Crystal storage ice box 400ml 1pc digital thermometer	1pc refrigerator 1pc strap 1pc digital thermometer 6 pcs Crystal storage ice box 400ml 1pc tray
Insulation Material	PU	EPS	PU	PU
External& Internal Material	External: PE Internal: PP			
Packing Size	380*260*290mm	380*260*290mm	450*330*330mm	450*330*330mm
Gross Weight	2.8kg	1.8kg	4kg	4.5kg

Model	BJPX-L20	BJPX-L33	BJPX-L55	BJPX-L65	BJPX-L85
External Size(mm)	450*330*300	530*325*340	640*395*395	620*485*375	640*520*375
Internal Size(mm)	370*235*240	480*270*265	590*335*320	540*425*315	580*465*320
Inner Capacity	20L	33L	55L	65L	85L
Configuration	1pc refrigerator 1pc strap 9pcs Crystal storage ice box 400ml 1pc partition 1pc tray 1pc digital thermometer	1pc refrigerator 12pcs Crystal ice box 400ml 1pc digital thermometer	1pc refrigerator 12pcs Crystal ice box 400ml 1pc digital thermometer	1pc refrigerator 15pcs Crystal ice box 400ml 1pc digital thermometer	1pc refrigerator 15pcs Crystal ice box 400ml 1pc digital thermometer
Insulation Material	PU	PU	PU	PU	PU
External& Internal Material	External: PE; Internal: PP				
Packing Size	490*350*330mm	550*340*360mm	650*410*410mm	640*505*390mm	660*540*395mm
Gross Weight	5kg	5.5kg	6.5kg	8.2kg	8.7kg

Biosafety Transport Box



Technical Parameters:

Model	BTB-L6	BTB-L8	BTB-L12	BTB-L15
Outer Size(mm)	330*235*275	335*225*205	425*262*305	425*262*305
Inner Capacity	6L	8L	12L	15L
Product Configuration	1 box 1 strap 1 digital thermometer 1 95KPa biosafety transport tank 1 sponge reagent tube holder 1 piece of absorbent cotton 4 crystal ice boxes	1 box 1 digital thermometer 2 95KPa biosafety transport tanks 2 sponge reagent tubes 2 pieces of absorbent cotton 4 crystal ice boxes	1 box 1 strap 1 digital thermometer 2 95KPa biosafety transport tanks 2 sponge reagent tubes 2 pieces of absorbent cotton 6 crystal ice boxes 1 tray	1 box 1 strap 1 digital thermometer 3 95KPa biosafety transport tanks 3 sponge reagent tubes 3 pieces of absorbent cotton 6 crystal ice boxes 1 tray
Material	PP+PE	PP	PP	PP
Insulation Material	PU	EPS	PU	PU
Gross Weight(kg)	2.8	2.5	4.5	5
Packing Size(mm)	380*260*290	380*260*290	450*330*330	450*330*330

Application

It can be used for the transportation of biological products requiring physical insulation, such as un2814, un2900, un3373 biological samples, pathogenic microorganism (virus) species, blood, etc

Features

- * Real time temperature value display
- * Refrigeration and temperature control to ensure the consistency of samples
- * Easy to operate and could be used repeatedly
- * Meet the basic requirements of cold chain transportation and storage of vaccines

Technical Parameters:

Model	BTB-L20	BTB-L33	BTB-L55	BTB-L65	BTB-L85
Outer Size(mm)	450*330*300	600*390*320	640*395*395	620*485*375	640*520*375
Inner Capacity	20L	33L	55L	65L	85L
Product Configuration	1 box 1 strap 1 digital thermometer 4 95KPa biosafety transport tanks 4 sponge reagent tubes 4 pieces of absorbent cotton 9 crystal ice boxes 1 partition 1 tray	1 box 1 digital thermometer 5 95KPa biosafety transport tanks (6 cans are optional) 5 sponge reagent tubes 5 pieces of absorbent cotton 11 crystal ice boxes	1 box 1 digital thermometer 8 95KPa biosafety transport tanks (optional 12 tanks) 8 sponge reagent tubes 8 pieces of absorbent cotton 11 crystal ice boxes	1 box 1 digital thermometer 12 95KPa biosafety transport tanks 12 sponge reagent tubes 12 pieces of absorbent cotton 15 crystal ice boxes	1 box 1 digital thermometer 20 95KPa biosafety transport tanks 20 sponge reagent tubes 20 pieces of absorbent cotton 15 crystal ice boxes
Material	PP	PP	PP+PE	PP+PE	PP+PE
Insulation Material	EPS/PU	PU	PU	PU	PU
Gross Weight(kg)	6	7	10	11.2	15
Packing Size(mm)	490*350*330	600*400*330	650*410*410	640*505*390	660*540*395

Flake Ice Maker



Technical Parameters

Model	FIM20	FIM30	FIM40	FIM50	FIM60	FIM70	FIM85
Ice Making Capacity(kg/24h)	20	30	40	50	60	70	85
Ice Storage Capacity(kg)	10	10	15	15	25	25	25
Ice Shape	Small particle of irregular snow ice						
Input Current(W)	280	300	360	380	420	460	480
Way of Condensation	Air cooling						
Ambient Temperature	10~35℃						
Water Temperature	2~15℃						
Tank Shell	Stainless steel						
Compressor	Donper		Panasonic Wanbao (for FIM40-100)				
Refrigerant	R290		R290				
Standard Accessories	Water inlet pipe*1, Drainage pipe*1, Ice spoon*1						
Optional Accessories	Filter						
Power Supply	AC 220V±10%, 50/60HZ; 110V±10%, 60HZ						
Net Weight(kg)	26		36		42		
Gross Weight(kg)	42		56		62		
External Size(W*D*H)mm	330*470*605		400*543*720		400*510*875		
Package Size(W*D*H)mm	460*590*740		520*660*840		520*640*960		

Flake Ice Maker



Technical Parameters

Model	FIM100	FIM120	FIM150	FIM200	FIM250
Ice Making Capacity(kg/24h)	100	120	150	200	250
Ice Storage Capacity(kg)	40	40	40	60	60
Ice Shape	Small particle of irregular snow ice				
Input Current(w)	520	550	680	1040	1100
Way of Condensation	Air cooling				
Ambient Temperature	10~35℃				
Water Temperature	2~15℃				
Tank Shell	Stainless steel				
Compressor	Panasonic Wanbao	Donper		Panasonic Wanbao	
Refrigerant	R290				
Standard Accessories	Water inlet pipe*1, Drainage pipe*1, Ice spoon*1				
Optional Accessories	Filter				
Power Supply	AC 220V±10%,50/60HZ ; 110V±10%, 60HZ				
Net Weight(kg)	58		60	80	
Gross Weight(kg)	82		84	105	
External Size(W*D*H)mm	500*611*940			680*611*1100	
Package Size(W*D*H)mm	720*620*1160			730*790*1320	

Various types of experiments, hospitals, schools, laboratories,medical, chemical applications, supermarkets, hotels and other seafood products stores etc.

Split-Type Flake Ice Maker



FIM300

FIM500

Applicable area

Various types of experiments, hospitals, schools, laboratories, medical, chemical applications, supermarkets, hotels and other seafood products stores etc.

Technical Parameters

Model	FIM300	FIM500
Ice Making Capacity(kg/24h)	300	500
Ice Storage Capacity(kg)	150	200
Ice Shape	Small particle of irregular snow ice	
Input Current(w)	1360	2100
Way of Condensation	Air cooling	
Ambient Temperature	10~35℃	
Water Temperature	2~15℃	
Tank Shell	Stainless steel	
Refrigerant	SECOP /R404a	Embraco/R404a
Standard Accessories	Water inlet pipe*1, Drainage pipe*1, Ice spoon*1	
Optional Accessories	Filter	
Power Supply	AC 220V±10%,50/60HZ ; 110V±10%, 60HZ	
Net Weight(kg)	95	125
Gross Weight(kg)	125	155
External Size	Head Size	560*550*570
(W*D*H)mm	Ice Tank Size	570*830*1020
Package Size	Head Size	640*660*890
(W*D*H)mm	Ice Tank Size	640*860*990

Cube Ice Machine



CIM-65/80/120

CIM-180/210/260

Application

- * Cube ice, large contact area, adjustable ice thickness.
- * Stainless steel and ABS engineering plastic shell, beautiful shape, strong, practical.
- * Nickel-plated copper ice plate, flowing vertical ice making, high ice making efficiency, energy saving.
- * "Intelligent core" control system, automatic ice making, automatic ice falling, ice full detection.
- * One-button cleaning function, convenient daily maintenance.
- * LED screen, clear operation, accurate understanding of the machine's working conditions.
- * The tank, sink, and water distribution pipe all meet the food grade standards, safe and hygienic.
- * Built-in refrigerator.
- * The three basic parts(computer board, fan, condenser) are guaranteed for five years.

Technical Parameters

Model	CIM-65	CIM-80	CIM-120	CIM-180	CIM-210	CIM-260
Ice Making Capacity(kg/24h)	30	40	60	80	100	120
Ice Storage Capacity(kg)	15			45		
Ice Shape	Standard: Cube Ice 22*22*22mm 10g Optional: Cube Ice 28*13*23mm 7g, Cube Ice 28*28*23mm 15g Choose one of the three Types.					
Ice Grid	4*9	4*10	5*12	5*16	5*18	6*18
Way of Condensation	Standard: Air cooling Optional: Water cooling					
Ambient Temperature	1℃~40℃					
Water Temperature	5℃~35℃					
Compressor	Wanbao					
Refrigerant	R404A/R290					
Optional Accessories	UV lamp					
Power Supply	Standard: AC220V±10%, 50Hz Optional: AC220V±10%, 60Hz AC110V±10%, 60Hz					
Input Current(W)	280	300	360	580	600	650
Net Weight(kg)	34	34	35	54	55	56
Gross Weight(kg)	38	38	39	59	60	61
External Size(W*D*H)mm	500*450*800	500*450*800	500*450*800	660*680*930	660*680*930	660*680*930
Package Size(W*D*H)mm	580*510*850	580*510*850	580*510*850	740*750*920	740*750*920	740*750*920