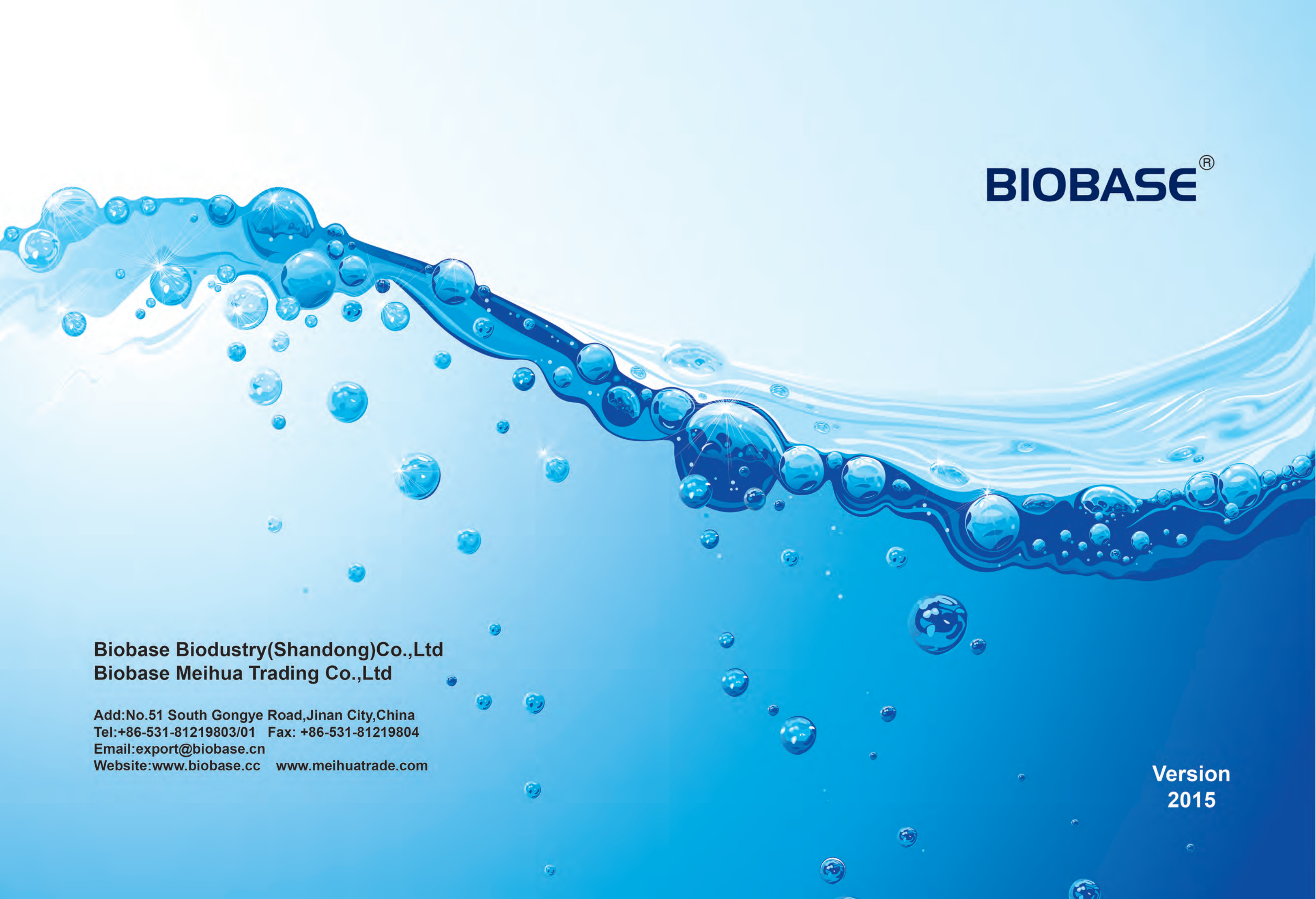




BIOBASE[®]

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Version
2015

Introduction

BIOBASE is professional manufacturer of laboratory and medical products since 1999. Our main products are:

Medical products:
Automated biochemistry analyzer, IVD Reagents, Automated ELISA processor, Microplate reader&Washer, Hematology analyzer, Electrolyte analyzer, Urine analyzer, Water purifier, etc.

Lab products:
Biological safety cabinet(Class I, II, III), Fume hood, Laminar flow cabinet, PCR cabinet, Autoclave, Incubator, Refrigerator&Freezer, Water bath, Drying oven, HEPA air purifier, etc.

We have more than 1000 employees, 20000 square meters production base. The wide experience on the research and manufacturing Lab and Medical products has managed BIOBASE to be able to offer a large and competitive range of products with the highest quality.



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Blood Bank Refrigerator

Blood Bank Refrigerator is a specialized refrigerating equipment for blood(whole blood) storage application, which has been used in medical industries as well as cold storage of pharmaceuticals, biological products, vaccine, and so forth. It is suitable for hospitals, blood banks and sanitation and antiepidemic stations.



Technical Parameter:

Model	BXC-V120B	BXC-V250B	BXC-V300B	BXC-V450B	BXC-V1000B
Capacity	120L	250L	300L	450L	1000L
Temp Range	4±1 ℃				
Temp Precision	0.1℃				
Control System	Microprocessor control				
Display	Large screen LED display				
Alarm	Audio and visual alarm for:High or low temperature; Door ajar; System failure; Power failure.				
Refrigeration Type	Forced air refrigeration system				
Refrigerant	R134a, CFC-Free	R404a, CFC-Free	R134a, CFC-Free		
Compressor	International famous compressor				
Condenser&Evaporator	High efficiency air-cooled condenser, made of cupreous				
Defrost	Auto defrost				
Construction	Unibody Design Mono-assembly foaming(Rigid polyurethane insulation material)				
Internal	Stainless steel		ABS plate	Cold-rolled steel with anti-bacteria powder coating	Stainless steel
External Material	Cold-rolled steel with anti-bacteria powder coating				Stainless steel
Door	Three-ply transparent glass door with lock Heating film preventing frosting Sealing joint strip with magnetic force				
Drawers/Shelves	Shelves	SS drawers	Adjustable shelves made of PVC coated wire		
Casters	4 casters				
Consumption	160W	350W	500W	450W	600W
Power Supply	220V±10%, 50/60Hz				
External Size(L*W*H)mm	520*600*1050	570*530*1600	615*605*1780	660*700*1980	1260*700*1980
Standard Accessory	Temperature printer, 2 shelves, 6 baskets, fluorescent light	Digital temperature recorder, 6 drawers, fluorescent light	Temperature printer, 4 shelves, fluorescent light	5 shelves, fluorescent light	Temperature printer, 12 shelves, 36 baskets, fluorescent light

Medical Refrigerator

Medical Refrigerator is a specialized refrigerating equipment for cold storage of pharmaceuticals as well as biological products and so forth. It is suitable for hospitals, drugstore, pharmaceutical factories, sanitation and antiepidemic stations and clinics.



Technical Parameter:			650L&1000L							1500L		
Model			BXC-V50M	BXC-V120M		BXC-V250M	BXC-V300M	BXC-V450M	BXC-V650M	BXC-V1000M	BXC-V1500M	
External Size(L*W*H)mm			430*450*575	450*430*1460		580*560*1785	620*560*1970	660*700*1980	1220*642*1885	1200*872*1885	1800*750*1965	
Capacity			50L	120L		250L	300L	450L	650L	1000L	1500L	
Temperature Range			2℃ ~ 8℃									
Temperature Accuracy			0.1℃									
Control System			Microprocessor control									
Display			Large screen LED display									
Alarm			Audio and visual alarm for: High and low temperature; System & Sensor failure; Door ajar(except BXC-V50M) ; Power failure alarm									
Refrigeration Type			Forced air refrigeration system									
Refrigerant			R134a, CFC-Free						R135A, CFC-Free	R136A, CFC-Free		
Compressor			International famous compressor									
Condenser & Evaporator			High efficiency air-cooled condenser, made of copper									
Defrost			Auto defrost									
Structure			Unibody Design & Mono-assembly foaming (Rigidpolyurethane insulation material)									
Material	Internal	ABS plate	Cold-rolled steel with anti-bacteria powder coating								Stainless Steel	
	External	Cold-rolled steel with anti-bacteria powder coating								Stainless Steel		
Door			Foam	Three-ply transparent glass door with lock; Heating film preventing frosting; Sealing joint strip with magnetic force								
Shelves			Adjustable shelves made of quality steel wire									
			1	3	4	4	5	10	10	8		
Casters			No	4 universal casters with brake								
Consumption			50W	93W	176W	193W	450W	443W	472W	650W		
Power Supply			220V±10%, 50/60Hz									
Standard Accessory			Shelves	Fluorescent lamp, Shelves								

-25℃ Freezer

Main Characteristics:

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



BDF-25V270



BDF-25V350

Technical Parameter:

Model		BDF-25H110	BDF-25H166	BDF-25H196		BDF-25H226	BDF-25H358	BDF-25H508	BDF-25V270	BDF-25V450	BDF-25V350	BDF-25V220	
External Size(L*W*H, mm)		549*549*845	556*906*937	556*1056*937		556*1206*937	730*1204*968	730*1554*968	580*600*1750	655*780*1845	673*675*1883	605*516*1452	
Capacity		110L	166L	196L		226L	358L	508L	270L	450L	350L	220L	
Type		Horizontal							Vertical				
Temperature Range		-10℃ ~ -25℃										Refrigerator 2℃~10℃; Freezer-10℃~-20℃	
Temperature Accuracy		1℃										Temp. Fluctuation: Refri gerator±3℃;Freezer±2℃	
Control System		Microprocessor Control										Mechanical temperature control	
Display		Large Screen LED display										/	
Alarm												/	
Refrigeration Type		Direct refrigeration											
Refrigerant		R134a, CFC Free							R134a, CFC Free		R404a, CFC Free	R134a, CFC Free	
Compressor		International famous compressor											
Condenser & Evaporator		High efficiency air-cooled condenser,material is					cupreous						
Construction		Unibody design; Mono-assembly foaming (Rigid polyurethane insulation material)											
Material	Internal	Aluminum Panel							ABS Material		304 SS	ABS Material	
	External	Cold-rolled steel coated with anti-bacteria powder											
Door		Top Door with key lock							Front door with safety lock and handle		5 inner doors	Front door with safety lock and handle	
Basket/Drawer		One unit basket made of steel wire							7 plastic drawers	12 plastic drawers	4 shelves	3 shelves	
Casters		4 casters										2 casters	
Consumption		145W	140W	120W		166W	183W	275W	130W	400W	350W	100W	
Power Supply		220V±10%, 50/60Hz											

-40℃ Low Temperature Freezer

Features:

- 1.Advanced cooling system.
 - 2.Precise microcomputer temperature control.
 - 3.Special PU foam insulation materials.
 - 4.Operating security.
- For safety and reliability, alarm module keep monitoring surroundings and system status.
Alarms: high and low temperature alarms, sensor failure alarm, power failure alarm.
- 5.Avoid falsification and wrong operation.
 - 6.Power failure protection.



BDF-40V90



BDF-40V268/362

-40℃ Low temperature freezer is suitable for research institutes, electronic industries, chemical engineering industries, hospitals, university laboratories, military industries.

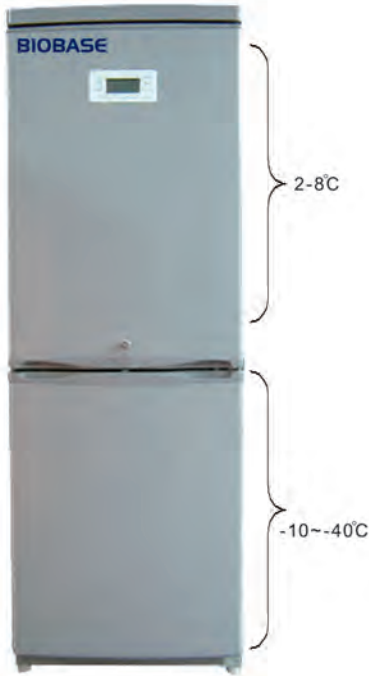
Technical Parameter:

Model		BDF-40V90	BDF-40V268	BDF-40V362	BDF-40H100	BDF-40H200	BDF-40H300
External Size(L*W*H)mm		623*544*842	673*675*1617	673*675*1883	580*575*850	855*650*860	1115*720*855
Capacity		90L	268L	362L	100L	200L	300L
Type		Vertical			Horizontal		
Temperature Range		-10℃ ~ -40 ℃					
Temperature Accuracy		2℃					
Control System		Microprocessor control					
Display		LCD display					
Alarm		Audible and visual alarm High and low temp erature alarm (all models) & System failure alarm					
Refrigeration Type		Direct Refrigeration					
Refrigerant		R507a,CFC free					
Compressor		Danfoss compressor with Germany EBM fan motor			International famous compressor		
Condenser & Evaporator		Material is cupreous					
Structure		Unibody Design &Mono-assembly foaming (Rigid polyurethane insulation material)					
Material	Internal	ABS plate	Stainless steel		Aluminum		
	External	Cold-rolled steel with anti-bacteria powder coating					
Door		With safety lock	Door with safety lock and rotatable sure-grip handle		Top door with key lock		
Drawers/Shelves		4 plastic drawers	Stainless steel with wire steel basket		Wire steel basket		
Casters		4 casters					
Consumption		280W	400W	500W	120W	200W	230W
Power Supply		220V±10%, 50Hz					
Net Weight (Kg)		41	113	128	38	53	66
Gross Weight (Kg)		48	125	140	41	55	68
Package Size(L*W*H)		730*650*960	745*745*1750	755*745*2000	670*620*930	970*700*935	1210*790*950

-40°C Low Temperature Freezer

Features:

- 1. Microprocessor-based temperature controller allows independent control of temperature in two rooms, all can be set freely.
- 2. LCD display, to make the temperature information clear.
- 3. Upright type, outer is painted steel board, inner is ABS material.
- 4. Double sealing design with lock, rotatable sure-grip door handle 4 caster provided for easy handing.
- 5. 2 units compressor for separate room and EBM fan motor.

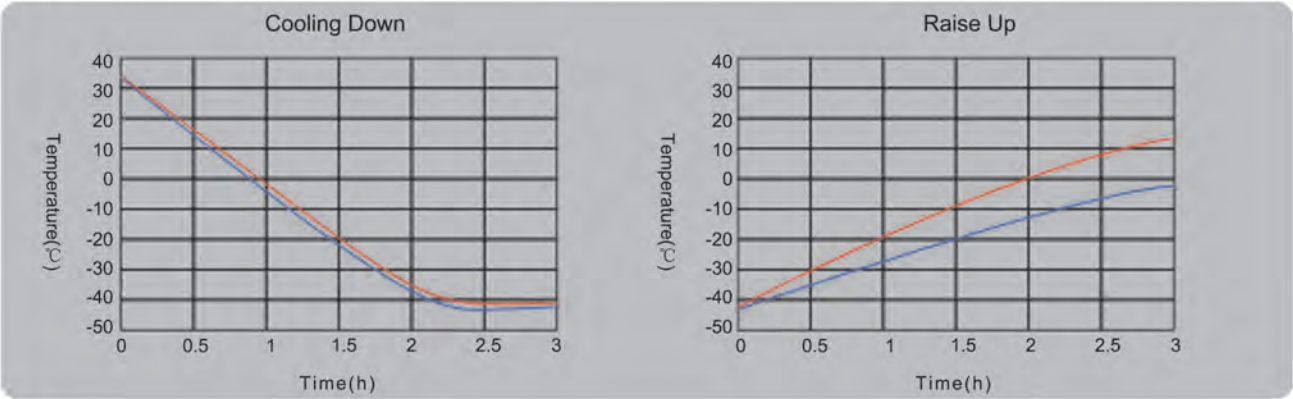


BDF-40V253



BDF-40V450

Temperature:



Technical Parameter:

Model		BDF-40V253		BDF-40V450	
External Size(L*W*H)mm		623*604*1775		660*780*1850	
Internal Size(L*W*H)mm		Upper: 470*466*800		Upper:530*636*668	
		Down: 397*368*414		Down:530*636*668	
Capacity		253L	Upper:154L	450L	Upper:225L
			Down:99L		Down:225L
Temperature Range		Upper: 2℃~8℃		-10℃~-40℃ can be set freely	
		Down: -10℃~-40℃			
Temperature Accuracy		1℃			
Control System		Microprocessor control; Password protected configuration page			
Alarm		Audio and Visual alarm: High or low temperature; system failure			
Display		LCD display			
Refrigeration Type		Independent room refrigerated			
Refrigerant		R507a, CFC-Free			
Compressor		Danfoss compressor used for independent room			
Condenser & Evaporator		Highly effective air-cooled condenser,cupreous			
Defrost		Manual			
Construction		Two rooms, Mono-assembly foaming; Double seal design, Upright type			
Material	Internal	ABS plate			
	External	Cold-rolled steel coated with anti-bacteria powder			
Door		Safety door with lock			
Drawers/Shelves		Upper:3 adjustable shelves		Upper: 6 drawers	
		Down:3 drawers		Down:6 drawers	
Casters		4 Casters			
Consumption		400W		650W	
Power Supply		220V±10%, 50/60Hz			
package Size(L*W*H)		820*805*1990mm		860*980*2050mm	
Gross Weight (Kg)		75		140	

-86°C Ultra-low Temperature Freezer Vertical Type

Application:

Ultra-low Temperature Freezer offers a wide variety of research and storage application, such as low temperature scientific experiments, preservation of red blood cell, white blood cell, skin, bone, bacteria, semen, bio-medical products, ocean products, electronic devices, and low-temperature testing of special materials.

It is suitable for blood banks, hospitals, sanitation and anti-epidemic stations, electronic industries, university laboratories.

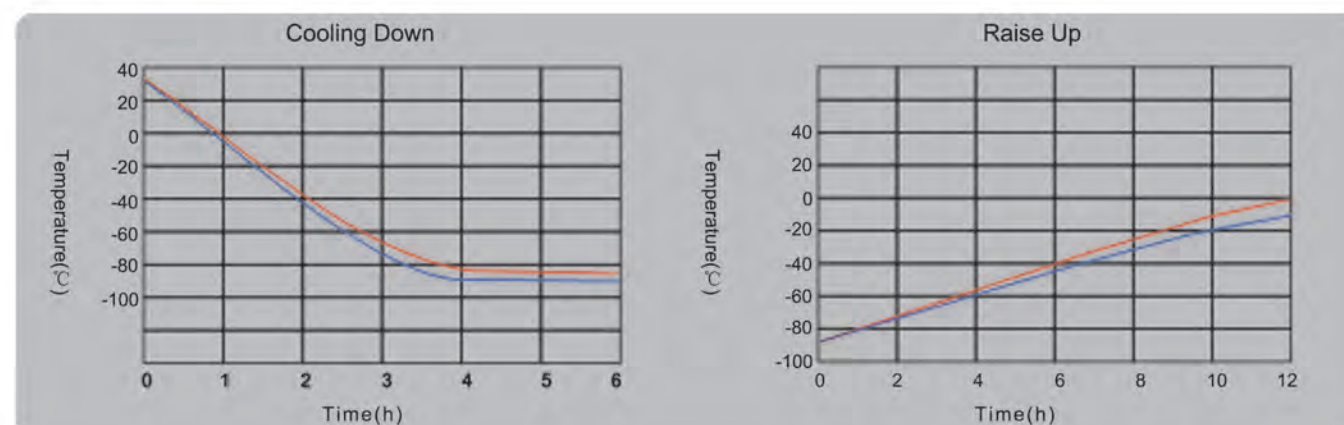


Other models



BDF-86V100

Temperature:



Technical Parameter:

Model		BDF-86V100	BDF-86V218	BDF-86V328	BDF-86V388	BDF-86V538
External Size(W*D*H)mm		1000*720*793	840*940*1552	840*940*1999	840*940*1999	840*940*1999
Internal Size(W*D*H)mm		450*450*500	470*582*753	450*580*1200	500*560*1200	600*662*1330
Capacity		100L	218L	328L	388L	538L
Type		Vertical				
Temp. Range		-10℃ ~ -86℃				
Controlling Precision		0.1℃				
Control System		Microprocessor control,keyboard lock function				
Display		LED display				
Alarm		Audio and visual alarm for: High or low temperature alarm, power failure alarm; Low battery alarm, door open alarm, filter blocking alarm, system failure alarm				
Refrigeration Type		Direct refrigeration				
Refrigerant		Mixture refrigerant, composed of R134a, R404a, R23, R410A, N2,CFC free				
Compressor		Danfoss compressor with Germany EBM fan motor				
Condenser & Evaporator		Material is cupreous				
Construction		Unibody design, two-time foaming technology, 100-155mm foaming insulation, with VIP+				
Material	Internal	Stainless steel				
	External	Cold-rolled steel coated with anti-bacteria powder				
Door		Front opening lockable door with full height handle, with vacuum release port				
Chamber with inner door		2	2	3	4	4
Caster		4 casters				
Consumption		800W	1000W	1500W	1800W	2000W
Power Supply		220V±10%, 50/60Hz				
Standard Accessory		Temperature printer, record 7 days data; 72 hour battery back up for printer and controller display.				
Package Size(W*D*H)mm		1220*890*1010	942*1038*1700	990*1120*2215	990*1100*2230	990*1100*2230
Gross Weight		140kg	245kg	350kg	350kg	350kg

-86℃ Ultra-low Temperature Freezer
Vertical Type

Features:

- 1.Audio and visual alarm.
- 2.Double Danfoss compressors with Germany EBM fan motor (only for BDF-86V348 & BDF-86V950)
- 3.SS inner chamber with round angel structure, easy for cleaning.
- 4. Double-layer door design, protecting air leakage.
- 5. Front door with safety lock.



BDF-86V50/158

BDF-86V398/598



BDF-86V348/950

Model
External Size (W*D*H)mm
Internal Size (W*D*H)mm
Capacity
Type
Temp. Range
Controlling Precision
Control System
Display
Alarm
Refrigeration Type
Refrigerant
Compressor
Condenser & Evaporator
Construction
Material
Internal
External
Door
Chamber with Inner Door
Shelves
Test Port
Remote Alarm Port
Caster
Consumption
Power Supply
Optional Accessory
Package Size (W*D*H)mm
Gross Weight

Technical Parameter:

BDF-86V50	BDF-86V158	BDF-86V348	BDF-86V398	BDF-86V598	BDF-86V950
540*620*1115	700*700*1580	855*1006*1917.5	850*930*1950	940*950*1920	1500*1000*2000
361*429*406	460*455*800	490*607*1140	550*630*1140	700*680*1255	1000*700*1336
50L	158L	348L	398L	598L	950L
Vertical					
-40℃~-86℃		-70℃~-86℃	-40℃~-86℃		
0.1℃					
Microprocessor control, keyboard lock function					
LED display					
Temperature higher/lower alarm, ambient temperature alarm. Filter inspection alarm, sensor failure alarm, condense dirty& plug alarm, power failure alarm, voltage abnormal alarm and abnormal door open alarm are just for model BDF-86V348					
Direct refrigeration					
Mixture refrigerant, composed of R134a, R404a, R23, R410A, N2, CFC free					
Danfoss compressor with Germany EBM fan motor					
1set	1set	2sets	1set	1set	2sets
Material is cupreous					
Unibody design, two-times foaming technology, 100-155 mm foaming insulation, with VIP+					
304 Stainless steel					
Cold-rolled steel coated with anti-bacteria powder					
Front opening lockable door with full height handle, with vacuum release port					
1	3	2	4	4	3
1 adjustable SS304	2 adjustable SS304	3 adjustable SS304			
1, Φ18mm		2,Φ18mm	1, Φ18mm		
Optional		Alarm relay parameters:DC30V, 2A	Optional		
4 universal casters with brake and leveling feet					
450W	630W	1200W	720W	990W	1600W
220V±10%; 50Hz/60Hz					
Optional Accessory Chart recorder, storage racks, storage boxes.					
760*685*1170	870*860*1800	935*1070*2127	1025*1080*2170	1070*1030*2150	1350*1080*2150
95kg	150kg	280kg	248kg	318kg	330kg

-86℃ Ultra-low Temperature Freezer
Horizontal Type



BDF-86H50



BDF-86H138/328/438



BDF-86H118/258/458

Technical Parameter:

Model		BDF-86H50	BDF-86H138		BDF-86H328	BDF-86H438	BDF-86H118	BDF-86H258	BDF-86H458
External Size (W*D*H)mm		560*600*910	1320*890*1009		2005*890*1009	2005*890*1009	1270*780*965	510*885*1095	2110*885*1095
Internal Size (W*D*H)mm		343*343*474	490*470*582		1200*450*580	1230*540*590	500*400*560	780*500*660	1380*500*660
Capacity		50L	138L		328L	438L	118L	258L	458L
Type		Horizontal							
Temp. Range		-10℃ ~ -86℃					-40℃~-86℃		
Controlling Precision		1℃	0.1℃						
Control System		Microprocessor control,keyboard lock function							
Display		LED display							
Alarm		Audio and visual alarm for: High or low temperature alarm,tempera Power failure alarm, low battery alarm, system failure alarm.(except BDF					ture sensor failure alarm(all models), door open alarm, filter blocking alarm, Audio and visual alarm for:High or low temperature alarm, power failure alarm, system failure alarm, temperature sensor failure alarm, low battery alarm.		
Refrigeration Type		Direct refrigeration							
Refrigerant		Mixture refrigerant, composed of R134a,			R404a, R23, R410A, N2,CFC free				
Compressor		Danfoss compressor with Germany			EBM fan motor				
Condenser & Evaporator		Material is cupreous							
Construction		Unibody design, two-time foaming			technology, 100-155 mm foaming insulation, with VIP+				
Material	Internal	304 Stainless steel							
	External	Cold-rolled steel coated with anti-bacteria powder							
Door		Balanced hinge opening, top door with			key lock				
Caster		4 casters							
Consumption		300W	800W		1500W	1500W	520W	700W	780W
Power Supply		220V±10%; 50Hz/60Hz							
Optional Accessory		304 Stainless steel freezer shelf, Freezer			storage box				
Standard Accessory		Temperature printer, record 7 days data			(except BDF-86H118, BDF-86H258, BDF-86H458);72 hour battery back up for printer and controller display(except BDF-86H50)				
Package Size (W*D*H)mm		635*675*1095	1404*914*1215		2114*914*1215	2114*914*1215	1370*865*1190	1630*1050*1305	2320*990*1190
Gross Weight		66kg	235kg		280kg	280kg	150kg	240kg	270kg

Freezer racks and boxes

Name	Model	Specification	Dimension (W*D*H)mm	Capacity	Material
Racks	R255A	For 2 inch box, side type;5 layer*5 row	137*692*292	25 units boxes 2''	SUS 304
Racks	R255B	For 2 inch box, drawer type;5 layer*5 row	142*693*290	25 units boxes 2''	
Racks	R335A	For 3 inch box, side type;3 layer*5 row	137*692*260	15 units boxes 3''	
Racks	R335B	For 3 inch box, drawer type;3 layer*5 row	142*693*262	15 units boxes 3''	
Racks	R254A	For 2 inch box, side type;5 layer*4row	137*555*292	20 units boxes 2''	
Racks	R254B	For 2 inch box, drawer type;5 layer*4 row	142*556*290	20 units boxes 2''	
Racks	R244A	For 2 inch box, side type;4 layer*4 row	137*555*234	16 units boxes 2''	
Racks	R244B	For 2 inch box, drawer type;4 layer*4 row	142*556*233	16 units boxes 2''	
Racks	R334A	For 3 inch box, side type;3 layer*4row	137*555*260	12 units boxes 3''	
Racks	R334B	For 3 inch box, drawer type;3 layer*4 row	142*556*262	12 units boxes 3''	
Racks	R253A	For 2 inch box, side type;5 layer*3row	137*418*292	15 units boxes 2''	
Racks	R253B	For 2 inch box, drawer type;5 layer*3 row	142*419*290	15 units boxes 2''	
Racks	R11	For 2 inch box, hike type;11 layer	140*147*630	11 units boxes 2''	
Racks	R8	For 2 inch box, hike type;8 layer	140*147*462	8 units boxes 2''	
Racks	R10	For 2 inch box, hike type;10 layer	140*147*574	10units boxes 2''	



Material of Box:ABS
Size:2''



Material of Box:Paper Characteristics
Size:3''



Note:

“A” means side type rack: “B” means drawer type rack;

Freeze Dryer

Introduction:

The table top type and vertical type Freeze Dryer is suitable for freeze drying test of laboratory biomedical samples.

Widely used 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.



Top-press type



Standard Type



BK-FD10S



BK-FD18PT



Multi-pipeline Type



Multi-pipeline and Top-press Type

Features:

1. The 7 inch LCD display panel.
2. With historical data inquiry function.
3. The machine is equipped with USB interface on control panel.
4. Large capacity Ice condenser trap and without coil inside.
5. Cascade refrigeration technology.
6. The pre-freeze 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 cabinet is transparent which is visual and safe.
9. The shelves are stainless steel, which can be adjustable per the requirements.

Optional Accessory:

1. Electrical defrost function for ice condenser;
2. Electrical heating function for trays;
3. Drying bottles (1000ml, 500ml, 250ml, 100ml) and rubber valve for bottles.



Vacuum Pump

Layer	Sample Temp °C	Shelf Temp °C		
1			☐	Cooling
2			☐	Vacuum Pump
			☐	Vacuum Meter
			☐	Shelf Temp Control
Cold trap °C				
Vacuum Degree Pa				
Current Time:				Temp Control Data
Running Time	Temp Control/Section	Target Temp	Time Remaining	Curve Display
:	:	:	:	

LCD Touch Screen



Vacuum Pump Interface

Technical Parameter

Model		BK-FD10S (Standard)	BK-FD10P (Multi-pipeline)	BK-FD10T (Top-press)		BK-FD10PT(Multi-pipe line and Top-press)	BK-FD18S (Standard)	BK-FD18P (Multi-pipeline)	BK-FD18T (Top-press)	BK-FD18PT(Multi-pipeline and Top-press)	
Type		Table top type					Vertical type				
Ice Condenser Temp.		-55℃					-55℃ or -80℃				
Vacuum Degree		<10Pa									
Water Capture Capacity		3kg/24h					6Kg/24h				
Freeze Drying Time		24h									
Freeze Drying Area		0.12~0.18m²	0.12~0.18m²	0.09m²		0.09m²	0.18~0.27m²		0.14m²		
Material Loading Capacity		1200ml			900ml			1800~2700ml		1400ml	
Material Loading Capacity/Shelf		300ml					450ml				
Tray Specification (φ*h)		φ200*15mm					φ240*15mm				
Quantity Of Tray		4~6pcs			3pcs			4~6pcs		3pcs	
Multi-Pipeline And Bottles		/	8pcs	/		8pcs	/	8pcs	/	8pcs	
Capacity For Penicillin Bottle (φ22)		260			195			360		270	
Capacity For Penicillin Bottle (φ16)		480			360			740		550	
Capacity For Penicillin Bottle (φ12)		920			690			1320		990	
Consumption		1000W					1500W (-55 degree) or 2000W (-80 degree)				
Power Supply		110V/220V, 50Hz/60Hz									
External Size (W*D*H)		582*625*530/960mm					560*710*945/1390mm				
Package Size	Main Body	740*730*770mm					700*850*1240mm				
	Drying Cabinet	330*330*510mm					350*350*510mm				
	Vacuum Pump	570*225*330mm					570*225*330mm				
Gross Weight		100~110Kg					140~150Kg				
Standard Accessory		Main body x1 pc, Vacuum Pump x1pc, Standard drying cabinet x1pc,	Main body x1 pc, Vacuum Pump x1 pc, Manifold drying cabinet x1 pc, Drying bottles x8 pcs	Main body x1 pc, Vacuum Pump x1 pc, Top-press drying cabinet x1 pc,		Main body x1 pc, Vacuum Pump x1 pc, Manifold and top-press drying cabinet x1 pc, Drying bottles x8 pcs	Main body x1 pc, Vacuum Pump x1 pc, Standard drying cabinet x1 pc	Main body x1 pc, Vacuum Pump x1 pc, Manifold drying cabinet x1 pc, Drying bottles x8 pcs	Main body x1 pc, Vacuum Pump x1 pc, Top-press drying cabinet x1 pc	Main body x1 pc, Vacuum Pump x1 pc, Manifold and top-press drying cabinet x1 pc, Drying bottles x8 pcs	

Freeze Dryer

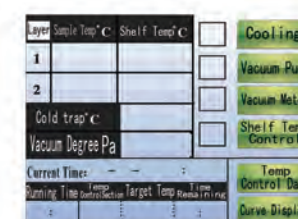
Introduction:

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



Features:

1. Pre-freezing and drying are in same place.
2. The machine is cascade refrigeration technology.
3. Silicon oil is intermediate medium in the shelves for heating to ensure drying material uniformity.
4. The shelf temperature is adjustable and easy to control.
5. The square shelf is easy to operate and clean.
6. 7 inch LCD display and touch screen control system, it adopt PID intelligent control system.
7. With historical data inquiry function, can store history data for one month.
8. The machine is equipped with USB interface on control panel. Can copy the data and history data directly without additional software.
9. Ice condenser and operation panel are made by stainless steel, corrosion-resistant and easy to clean.
10. The cabinet door is with high transparent colorless organic glass, the test process can be easily observed.



LCD Touch Screen



High-effective Heat Exchanger



Imported Compressor



Filter

Technical Parameter

Model	BK-FD20S (Standard)	BK-FD30T (Top-press)	BK-FD50S (Standard)	BK-FD50T (Top-press)	BK-FD100S (Standard)	BK-FD100T (Top-press)
Type	Square type					
Material Temp	-50℃~+70℃					
Ice Condenser Temp.	-80℃					
Vacuum Degree	<10Pa					
Freeze Drying Area	0.24m ²	0.3m ²	0.7m ²	0.5m ²	1m ²	
Water Capture Capacity	6.5Kg/24h		10Kg/24h		15Kg/24h	
Tray Specification (Φ*H)(mm)	300*400*15	295*335*15	360*500*15		360*480*15	600*480*15
Quantity Of Tray	2pcs	3pcs	4pcs	3pcs	6pcs	4pcs
Material Loading Capacity	4.5L	4L	10L	8L	15L	
Temperature Uniformity	±1℃					
Defrost Function	Yes					
Capacity For Penicillin Bottle (Φ22)	760	805	1408	1056	2016	
Capacity For Penicillin Bottle (Φ16)	940	1550	2728	2046	3960	
Capacity For Penicillin Bottle (Φ12)	2120	2800	4920	3690	7200	
Power Supply	220/380V, 50/60Hz			380V, 50Hz/60Hz		
External Size (W*D*H)mm	1100*750*1200	1100*800*1400	1200*850*1430	1220*850*1500	850*1450*1550	
Package Size	Main Body (mm) 1300*950*1400	1300*1000*1600	1400*1050*1650	1450*1050*1750	1100*1700*1800	
	Vacuum Pump(mm) 610*225*330		740*330*520		740*330*520	
Gross Weight	300kg	400kg	550kg	750kg	950kg	1000kg
Standard Accessory	Main body x 1 pc, Vacuum pump x 1 pc					

Flake Ice Maker



Small particals of irregular snow ice

Item No.	FIM 20	FIM 30	FIM 40	FIM 50	FIM 60	FIM 70	FIM 85	FIM 100	FIM 120	FIM 150	FIM 200	FIM 250
Ice making capacity(kg/24h)	20	30	40	50	60	70	85	100	120	150	200	250
Ice storage capacity(kg)	10	10	15	15	25	25	25	40	40	40	60	60
Ice shape	Small particals of irregular snow ice											
Input current(w)	280	300	360	380	420	460	480	520	550	680	1040	1100
Way of condensation	Air cooling											
Way of influent	Automatic water tap											
Tank shell	Stainless steel											
Compressor / refrigerant	Imports of CFC-free/134a											
Net weight(kg)	32	38	40	40	45	57	57	62	62	62	92	92
Overall dimension(L*W*H)mm	330*470*605	400*543*720			400*510*875			500*611*940			680*611*1100	
Applicable area	Various types of experiments, supermarkets, hotels and other seafood products stores etc.											

Luxury Ice Maker



Cylindrical bullet ice



Square ice

Item No.
Ice making capacity(kg/24h)
Ice storage capacity(kg)
Ice shape
Input current(w)
Way of condensation
Way of influent
Tank shell
Compressor / refrigerant
Net weight(kg)
Overall dimension(L*W*H)mm
Applicable area

Dual System Flake Ice Maker



Small particals of irregular snow ice

Item No.	FIM300	FIM380	FIM500
Ice making capacity(kg/24h)	300	380	500
Ice storage capacity(kg)	100	100	200
Ice shape	Small particals of irregular snow ice		
Input current(w)	1360	1520	1650
Way of condensation	Air cooling		
Way of influent	Automatic water tap		
Tank shell	Stainless steel		
Compressor / refrigerant	Imports of CFC-free/134a		
Net weight(kg)	92	92	180
Overall dimension(L*W*H)mm	560*870*1580	560*870*1580	760*860*2050
Applicable area	Various types of experiments, supermarkets, hotels and other seafood products stores etc.		

LIM25	LIM50	LIM80	LIM120	FIM150	LIM200	LIM300	LIM500	LIM1000
25	50	80	120	150	200	300	500	1000
7	14	25	50	105	145	210	280	470
Cylindrical bullet ice				Square ice				
240	380	580	760	800	860	1150	1650	3800
Air cooling								
Automatic water tap								
Stainless steel								
Imports of CFC-free/134a								
31	47	51	70	103	110	110	160	200
380*543*662	400*510*825	500*612*900	680*610*1050	560*870*1580	560*870*1780	760*860*1530	760*860*2050	1220*950*2030
Pubs, dance halls, gyms, cold drinks shops, cafes and convenience stores.								

Low Temperature Thermostatic Water Bath

Features

- 1、Temperature is raised or lowered indirectly by passing preheated or precooled water through the tank.
- 2、High insulation is achieved with polyurethane foam stuffing between the inner and outer casing.
- 3、Micro-processor controller with self-adjustment of tank temperature and display temperature of meter to ensure temperature accuracy.



Technical Parameters

Model	TB-L1	TB-L2
Temperature Range	-10~99℃	-20~99℃
Temperature Uniformity	±0.5℃	
Temperature Fluctuation	±0.5℃	
Heating Power	1000W	
Cooling Power	260W	400W
Internal Size	300*260*220mm	
External Size	480*420*810mm	
Package Size	580*520*910mm	

Portable Refrigerator

Features

1. Made of environmental PP material, food grade, non-toxic, SUV resistant.
2. Insulation material is PU CFC-free polyurethane. WHO certified.
3. The storage container can keep content cooling up to 38 hours.
4. Plastic or Molded-in handle (depends on customer's demands) and optional dolly ensure convenient carry and transit.
5. Storage container is durable for vaccine storage, blood products storage, dry ice storage, frozen specimen storage, etc



Technical Parameters

Model	LCX-6L	LCX-10L	LCX-12L	LCX-18L	LCX-25L	LCX-30L	LCX-44L	LCX-54L
External Size, mm	340*234*275	395*220*272	440*262*308	440*262*308	640*500*450	570*305*365	670*460*440	615*415*450
Capacity	6L	10L	12L	18L	25L	30L	44L	54L
Temp. Range	2℃~8℃							
Valid storage time (at 43℃)	>48h	>20h	>38h	>24h	>119h	>38h	>76h	>48h
Material	High strength engineering plastic							
Insulation Material	PU CFC-free							
Max. Loading	4.7kg	3.9kg	6.3kg	6kg	31kg	11.8kg	19.5kg	18kg
Net Weight	2.4kg	2.5kg	3kg	2.8kg	20kg	5.4kg	10.5kg	11.7kg
Arrangement of ice vessels	6(0.4L)	4(0.4L)	8(0.4L)	8(0.4L)	22(0.4L)	6(1.6L)	6(1.6L)	3(2.3L)