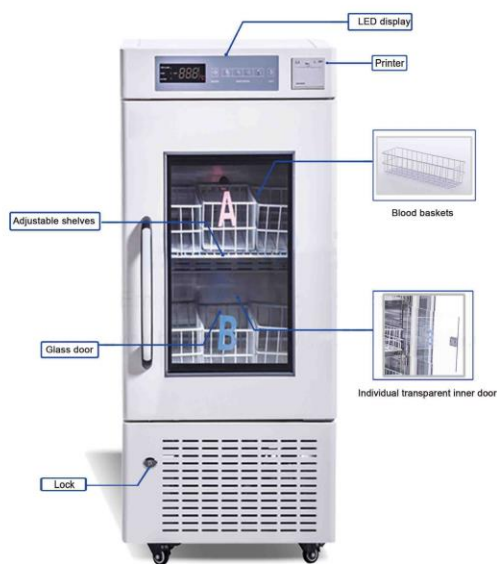


## Specialist in Lab Freezers and Refrigerators

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### Blood Bank Refrigerator(4±1°C)



## Blood Bank Refrigerator

### Advantage

1. Multiple sensors design: make sure the precise monitoring and programming.
2. Double layer transparent glass 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-4V120                                                                                                                                                                                                 | BBR-4V160    | BBR-4V210    | BBR-4V250    | BBR-4V310    |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|
| Capacity                | 120L                                                                                                                                                                                                      | 160L         | 210L         | 250L         | 310L         |
| Temp. Range             | 4±1℃                                                                                                                                                                                                      |              |              |              |              |
| Temp. Accuracy          | 0.1℃                                                                                                                                                                                                      |              |              |              |              |
| Control System          | Microprocessor control                                                                                                                                                                                    |              |              |              |              |
| Display                 | LED display                                                                                                                                                                                               |              |              |              |              |
| Alarm                   | Audio and visual alarm for: High or low temperature, Thermostat failure; Door ajar; Power outage alarm, Low battery alarm (only for BBR-4V120, 210). Battery switch alarm (only for BBR-4V160, 250, 310). |              |              |              |              |
| 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                 | Auto defrost                                                                                                                                                                                              |              |              |              |              |
| Construction            | Unibody Design, Mono-assembly foaming (Rigid polyurethane insulation material)                                                                                                                            |              |              |              |              |
| Material                | Internal Material: Stainless steel<br>External Material: Cold-rolled steel with anti-bacteria powder coating                                                                                              |              |              |              |              |
| Door                    | Double layer transparent glass door with lock, Heating film preventing frosting, Sealing joint strip with magnetic force.<br>Transparent plastic inner door                                               |              |              |              |              |
| Consumption             | 191W                                                                                                                                                                                                      | 257W         | 185W         | 380W         | 380W         |
| Power Supply            | AC110V/220V±10%, 50/60Hz                                                                                                                                                                                  |              |              |              |              |
| Casters                 | 4 casters                                                                                                                                                                                                 |              |              |              |              |
| Adjustable Shelves      | 2pcs                                                                                                                                                                                                      | 4pcs         | 4pcs         | 4pcs         | 5pcs         |
| Baskets                 | 6pcs                                                                                                                                                                                                      | 12pcs        | 12pcs        | 12pcs        | 15pcs        |
| Blood Bags (450ml)      | 66pcs                                                                                                                                                                                                     | 132pcs       | 132pcs       | 156pcs       | 195pcs       |
| Standard Accessory      | Temperature printer, LED lamp, probe access port, door key, temperature test box for BBR-4V120/210                                                                                                        |              |              |              |              |
| Optional Accessory      | Temperature recorder, Remote alarm for BBR-4V160/250/310                                                                                                                                                  |              |              |              |              |
| External Size(W*D*H) mm | 522*635*1030                                                                                                                                                                                              | 530*593*1287 | 522*635*1530 | 630*666*1657 | 630*666*1896 |
| Package Size(W*D*H)mm   | 700*585*1200                                                                                                                                                                                              | 672*732*1501 | 590*700*1700 | 762*812*1866 | 762*812*2091 |
| Gross Weight            | 95kg                                                                                                                                                                                                      | 104kg        | 120kg        | 145kg        | 167kg        |

02

03

## Blood Bank Refrigerator



### Technical Parameters

| Model                   | BBR-4V608                                                                                                                                                | BBR-4V1000                                                             |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Capacity                | 608L                                                                                                                                                     | 1000L                                                                  |
| Temp. Range             | 4±1℃                                                                                                                                                     |                                                                        |
| Temp. Accuracy          | 0.1℃                                                                                                                                                     |                                                                        |
| Control System          | Microprocessor control                                                                                                                                   |                                                                        |
| Display                 | LED display                                                                                                                                              |                                                                        |
| Alarm                   | Audio and visual alarm for High or low temperature; Door ajar; Power outage failure, Low battery alarm, Thermostat failure                               |                                                                        |
| Refrigeration Type      | Forced air refrigeration system                                                                                                                          |                                                                        |
| Refrigerant             | R134a, CFC-Free                                                                                                                                          |                                                                        |
| Defrost                 | Auto defrost                                                                                                                                             |                                                                        |
| Construction            | Unibody Design, Mono-assembly foaming (Rigid polyurethane insulation material)                                                                           |                                                                        |
| Material                | Internal Material: Stainless steel<br>External Material: Cold-rolled steel with anti-bacteria powder coating                                             |                                                                        |
| Door                    | Double layer transparent glass door with lock, Heating film preventing frosting, Sealing joint strip with magnetic force, Transparent plastic inner door |                                                                        |
| Drawers/Shelves         | Adjustable shelves                                                                                                                                       | SS drawers                                                             |
| Casters                 | 4 casters                                                                                                                                                | 4 casters                                                              |
| Consumption             | 383W                                                                                                                                                     | 510W                                                                   |
| Power Supply            | AC110V/220V±10%, 50/60Hz                                                                                                                                 |                                                                        |
| Blood Bags (450ml)      | 360 pcs                                                                                                                                                  | 576 pcs                                                                |
| Standard Accessory      | Temperature printer, 12 shelves, 36 baskets, LED lamp, probe access port, door key                                                                       | Temperature printer, 12 drawers, LED lamp, probe access port, door key |
| Optional Accessory      | Temperature recorder                                                                                                                                     |                                                                        |
| External Size(W*D*H) mm | 1220*648*1885                                                                                                                                            | 1220*878*1885                                                          |
| Package Size(W*D*H) mm  | 1330*740*2120                                                                                                                                            | 1330*970*2130                                                          |
| Gross Weight            | 257kg                                                                                                                                                    | 335kg                                                                  |

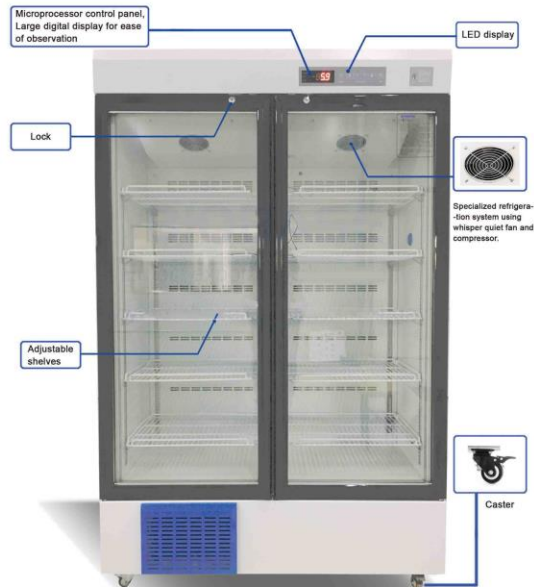
## Laboratory Refrigerator(2-8℃)



04

05

## Laboratory Refrigerator(2-8℃)



## Laboratory Refrigerator



## Technical Parameters

| Model                   | BPR-SV160                                                                                                  | BPR-SV250    | BPR-SV310    | BPR-SV588     | BPR-SV1000    |
|-------------------------|------------------------------------------------------------------------------------------------------------|--------------|--------------|---------------|---------------|
| External Size(W*D*H) mm | 500*550*1300                                                                                               | 580*575*1810 | 620*575*1980 | 1220*630*1885 | 1220*860*1885 |
| Capacity                | 130L                                                                                                       | 250L         | 310L         | 656L          | 1000L         |
| 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                                                                                            |              |              |               |               |
| Condenser & Evaporator  | Bundy tube condenser                                                                                       |              |              |               |               |
| Defrost                 | Auto defrost                                                                                               |              |              |               |               |
| Construction            | Structure: Unibody Design & Mono-assembly foaming (Rigid polyurethane insulation material)                 |              |              |               |               |
|                         | Internal Material: Embossed aluminum sheet                                                                 |              |              |               |               |
| Shelves                 | External Material: Cold-rolled steel coated with anti-bacteria powder                                      |              |              |               |               |
|                         | Cold-rolled steel coated with anti-bacteria powder                                                         |              |              |               |               |
| Shelves                 | 4 pcs                                                                                                      | 4pcs         | 5 pcs        | 10 pcs        |               |
| Door                    | Glass door with electric heating                                                                           |              |              |               |               |
| Consumption             | 136W                                                                                                       | 170W         | 180W         | 560W          |               |
| Power Supply            | AC220V±10%, 50/60Hz(only for BPR-SV160), AC110/220V±10%, 50/60Hz                                           |              |              |               |               |
| Standard Accessories    | LED Lamp, shelves, door keys, USB port, probe access port(BPR-SV588 & BPR-SV1000)                          |              |              |               |               |
| Optional Accessory      | Temperature recorder, Temperature printer(USB port can not be selected at the same time ), Remote alarm    |              |              |               |               |
| 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         | 248kg         | 280kg         |

06

07

## Laboratory Refrigerator



## Technical Parameters

| Model                  | BPR-SV550(G)                                                                                                              | BPR-SV100(G) |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------|
| 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               | 50L                                                                                                                       | 100L         |
| Temperature Range      | 2-8℃                                                                                                                      |              |
| Temperature Accuracy   | 0.1℃                                                                                                                      |              |
| Control System         | Microprocessor Control                                                                                                    |              |
| Alarm                  | Audible and visual alarm for: High and low temperature, Door Ajar                                                         |              |
| Refrigeration Type     | Forced air refrigeration system                                                                                           |              |
| Refrigerant            | R600a                                                                                                                     |              |
| Climate Type           | N, SN                                                                                                                     |              |
| Glass Door             | Toughened with electric heating function, no condensation                                                                 |              |
| Construction           | Structure: Unibody design, High Pressure and High Density Cyclopentane Foaming                                            |              |
|                        | Internal material: Cold-rolled steel coated with anti-bacteria powder                                                     |              |
| Shelves                | External material: Cold-rolled steel coated with anti-bacteria powder                                                     |              |
|                        | Cold-rolled steel coated with anti-bacteria powder                                                                        |              |
| Consumption            | 85W                                                                                                                       | 95W          |
| Power Supply           | AC220V±10%, 50/60Hz; AC110V±10%, 50/60Hz                                                                                  |              |
| Shelves                | 2pcs, cold drawn steel wire impregnated shelf                                                                             |              |
| Door Lock              | 1 pc                                                                                                                      |              |
| Accessory              | Standard: USB Port Optional: Remote Alarm, temperature recorder, printer (USB port can not be selected at the same time ) |              |
| Package Size(W*D*H)mm  | 560*568*658                                                                                                               | 560*568*1109 |
| Gross Weight(kg)       | 49                                                                                                                        | 61           |

## Laboratory Refrigerator



## Technical Parameters

| Model                   | BPR-SV260                                                                                                                                  | BPR-SV360    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| External Size(W*D*H) mm | 540*635*1900                                                                                                                               | 660*650*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 and low temperature, System & sensor failure, Door ajar, Power failure alarm, Low backup 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                                                                  |              |
| Shelves                 | External material: Cold-rolled steel coated with anti-bacteria powder                                                                      |              |
|                         | Adjustable shelves made of high quality steel wire                                                                                         |              |
| Shelves                 | 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)        | 67                                                                                                                                         | 124          |

08

09



## Laboratory Refrigerator



656L



1500L

## Technical Parameters

| Model                   | BPR-5V650                                                                                                                                                   | BPR-5V1500                                                                      |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| External Size(W*D*H) mm | 1220*642*1885                                                                                                                                               | 1880*775*1956                                                                   |
| 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 (only for BPR-5V650), sensor fault (only for BPR-5V1500) |                                                                                 |
| Refrigeration Type      | Forced air refrigeration system                                                                                                                             |                                                                                 |
| Refrigerant             | R600a, CFC Free                                                                                                                                             |                                                                                 |
| Condenser&Evaporator    | High efficiency air-cooled condenser, made of copper                                                                                                        |                                                                                 |
| Defrost                 | Auto defrost                                                                                                                                                |                                                                                 |
| Construction            | Structure                                                                                                                                                   | Unibody design & Mono-assembly foaming (rigid polyurethane insulation material) |
|                         | Internal Material                                                                                                                                           | Cold-rolled steel coated with anti-bacteria powder SS304                        |
|                         | External Material                                                                                                                                           | Cold-rolled steel coated with anti-bacteria powder SS304                        |
| Shelves                 | Adjustable shelves made of high quality steel wire                                                                                                          |                                                                                 |
|                         | 10 pcs                                                                                                                                                      | 12 pcs                                                                          |
| Consumption             | 385W                                                                                                                                                        | 1040W                                                                           |
| Power Supply            | AC110/220V±10%, 50/60Hz                                                                                                                                     |                                                                                 |
| Standard Accessory      | LED lamp, Shelves, Door keys, Testing hole, Battery                                                                                                         |                                                                                 |
| Package Size(W*D*H) mm  | 1330*715*2000                                                                                                                                               | 1940*880*2035                                                                   |
| Gross Weight            | 184kg                                                                                                                                                       | 280kg                                                                           |

10

## -25℃ Freezer



BDF-25H305

## 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.

## 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             | R600a, CFC free                                                                            |                                                                             |
| Condenser&Evaporator    | Internal-mounted condenser and coil type evaporator                                        |                                                                             |
| Construction            | Structure                                                                                  | Whole foaming, freon cyclopentane/isopentane high density polyurethane foam |
|                         | Internal Material                                                                          | Cold-rolled steel coated with anti-bacteria powder                          |
|                         | External Material                                                                          | Cold-rolled steel coated with anti-bacteria powder                          |
| 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                                                                                       |                                                                             |

11

## -25℃ Freezer



400L

## Technical Parameters

|                         |                                                                                                                                  |                                                                             |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Model                   | BDF-25V400                                                                                                                       |                                                                             |
| External Size(W*D*H) mm | 775*720*1900                                                                                                                     |                                                                             |
| Capacity                | 400L                                                                                                                             |                                                                             |
| Type                    | Vertical                                                                                                                         |                                                                             |
| Temp. Range             | -10℃～-25℃                                                                                                                        |                                                                             |
| Temp. Accuracy          | 0.1℃                                                                                                                             |                                                                             |
| Control System          | Microprocessor control                                                                                                           |                                                                             |
| Alarm                   | Power failure alarm, low battery alarm, sensor failure alarm, high or low temperature alarm; Thermostat failure (for BDF-25V368) |                                                                             |
| Cooling Method          | Direct cooling                                                                                                                   |                                                                             |
| Refrigerant             | R134a, CFC free                                                                                                                  |                                                                             |
| Condenser               | Wire tube condenser                                                                                                              |                                                                             |
| Construction            | Structure                                                                                                                        | Unibody design and thickened environmental protection foam insulation layer |
|                         | Internal Material                                                                                                                | PS plate                                                                    |
|                         | External Material                                                                                                                | Pre-coated galvanized plate                                                 |
| Shelf / Drawer / Basket | 6 shelves                                                                                                                        |                                                                             |
| Consumption             | 330W                                                                                                                             |                                                                             |
| Power Supply            | AC220V±10%, 50HZ                                                                                                                 |                                                                             |
| Package Size(W*D*H) mm  | 760*840*2008                                                                                                                     |                                                                             |
| Gross Weight            | 105kg                                                                                                                            |                                                                             |

12



268L

328L

270L/350L

## 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, System & sensor failure, Door ajar, Power failure alarm, Thermostat alarm |                                                                                 | High or low temperature alarm, Sensor failure alarm, power failure alarm, door ajar |              |
| Refrigeration Type      | Direct Refrigeration                                                                                |                                                                                 |                                                                                     |              |
| Refrigerant             | R290, CFC free                                                                                      |                                                                                 |                                                                                     |              |
| Compressor              | International famous compressor                                                                     |                                                                                 |                                                                                     |              |
| Condenser & Evaporator  | High efficiency air-cooled condenser, made of copper                                                |                                                                                 | Bundy tube condenser and inner coil tube evaporator                                 |              |
| Construction            | Structure                                                                                           | Unibody Design & Mono-assembly foaming (Rigid polyurethane insulation material) |                                                                                     |              |
|                         | Internal Material                                                                                   | SUS304                                                                          |                                                                                     |              |
|                         | External Material                                                                                   | Cold-rolled steel coated with anti-bacteria powder                              |                                                                                     |              |
| Shelf                   | 4pcs                                                                                                | 5pcs                                                                            | 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        |

13

## -25°C Freezer (Separate Refrigerator)



265L



368L

## Technical Parameters

| Model                   | BDF-25V265                                                                                                                       | BDF-25V368                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| External Size(W*D*H) mm | 576*641*1687                                                                                                                     | 720*830*1670                                                                          |
| Capacity                | 265                                                                                                                              | 368                                                                                   |
| Type                    | Vertical                                                                                                                         |                                                                                       |
| Temp. Range             | Upper: 2°C~0°C<br>Lower: -10°C~-25°C                                                                                             | Upper: 2°C~-8°C<br>Lower: -10°C~-25°C                                                 |
| Temp. Accuracy          | 0.1°C                                                                                                                            |                                                                                       |
| Control System          | Microprocessor control                                                                                                           |                                                                                       |
| Alarm                   | Power failure alarm, low battery alarm, sensor failure alarm, high or low temperature alarm, Thermostat failure (for BDF-25V368) |                                                                                       |
| Cooling Method          | Direct cooling                                                                                                                   |                                                                                       |
| Refrigerant             | R134a, CFC free                                                                                                                  |                                                                                       |
| Condenser               | Wire tube condenser                                                                                                              |                                                                                       |
| Construction            | Structure                                                                                                                        | Unibody design and thickened environmental protection foam insulation layer           |
|                         | Internal Material                                                                                                                | PS plate                                                                              |
|                         | External Material                                                                                                                | Pre-coated galvanized plate                                                           |
| Shelf / Drawer / Basket | 3 shelves                                                                                                                        | Upper: 3 plastic dipping shelves<br>Lower: 2 plastic dipping shelves,<br>6 PS drawers |
| Consumption             | 125W                                                                                                                             | 300W                                                                                  |
| Power Supply            | AC220V±10%, 50/60Hz                                                                                                              | AC220V±10%, 50/60Hz; AC110V ±10%, 60Hz                                                |
| Package Size(W*D*H) mm  | 656*696*1739                                                                                                                     | 775*920*1990                                                                          |
| Gross Weight            | 65kg                                                                                                                             | 166kg                                                                                 |

14

## -40°C Freezer (Separate Refrigerator)



368L

## Technical Parameters

|                      |                                                                                                                                                           |                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Model                | BDF-40V368                                                                                                                                                |                     |
| External Size(W*D*H) | 720*830*1870mm                                                                                                                                            |                     |
| Internal Size(W*D*H) | Upper: 580*626*625<br>Lower: 466*636*625                                                                                                                  |                     |
| Capacity             | 368L                                                                                                                                                      |                     |
| Type                 | Vertical                                                                                                                                                  |                     |
| Temp. Range          | Upper: 2℃-8℃<br>Down: -20℃-40℃                                                                                                                            |                     |
| Temp. Accuracy       | 0.1℃                                                                                                                                                      |                     |
| Control System       | Microprocessor Control<br>LED Display                                                                                                                     |                     |
| Alarm                | High or low temperature alarm, power failure alarm, door ajar alarm, thermostat failure alarm,<br>sensor failure alarm (of BDF-40V528 without this alarm) |                     |
| Refrigeration Type   | Direct Refrigeration                                                                                                                                      |                     |
| Refrigerant          | R600a                                                                                                                                                     |                     |
| Compressor           | Unicompressor, imported famous brand compressor                                                                                                           |                     |
| Material             | Structure                                                                                                                                                 | Unibody design      |
|                      | Internal                                                                                                                                                  | Sprayed steel plate |
|                      | External                                                                                                                                                  | Sprayed steel plate |
| Drawer/Shelf         | Upper: 3pcs plastic dipping shelves;<br>Lower: 2pcs plastic dipping shelves,<br>6pcs PS drawers                                                           |                     |
| Consumption          | 402W                                                                                                                                                      |                     |
| Power Supply         | AC220V±10%, 50/60Hz; AC110V ±10%, 60Hz                                                                                                                    |                     |
| Package Size         | 775*920*1990                                                                                                                                              |                     |
| Gross Weight         | 166kg                                                                                                                                                     |                     |

15

## -40°C Freezer



268L



328L



528L

## Technical Parameters

| Model                   | BDF-40V268                                                                                                                                             | BDF-40V328          | BDF-40V528                       |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------|
| External Size(W*D*H) mm | 673*676*1630mm                                                                                                                                         | 673*676*1686mm      | 900*819*1828mm                   |
| Internal Size(W*D*H) mm | 508*450*1137mm                                                                                                                                         | 508*455*1383mm      | 651*631*1635mm<br>651*631*1635mm |
| Capacity                | 268L                                                                                                                                                   | 328L                | 528L                             |
| Type                    | Vertical                                                                                                                                               |                     |                                  |
| Temp. Range             | -30°C~-40°C                                                                                                                                            |                     | -20~-40°C                        |
| Temp. Accuracy          | 0.1°C                                                                                                                                                  |                     |                                  |
| Control System          | Microprocessor Control<br>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                                                                                                                                                   |                     | Mixed Refrigerant                |
| Compressor              | Unicompressor, imported famous brand compressor                                                                                                        |                     |                                  |
| Material                | Structure                                                                                                                                              | Unibody design      |                                  |
|                         | Internal                                                                                                                                               | Sprayed steel plate |                                  |
|                         | External                                                                                                                                               | Sprayed steel plate |                                  |
| Drawer/Shelf            | 3pcs shelves                                                                                                                                           | 3pcs shelves        | 18 drawers                       |
| Consumption             | 300W                                                                                                                                                   |                     | 340W                             |
| Power Supply            | AC220V±10%, 50/60Hz; 110V±10%, 60Hz                                                                                                                    |                     |                                  |
| Package Size            | 760*760*1750mm                                                                                                                                         | 750*760*2030mm      | 930*970*2000mm                   |
| Gross Weight            | 118kg                                                                                                                                                  | 132kg               | 184kg                            |

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268L/362L



408L

## Technical Parameters

| Model                   | BDF-40V268L                                                                               | BDF-40V362                                         | BDF-40V398                                          |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|
| External Size(W*D*H) mm | 690*744*1631mm                                                                            | 690*744*1885mm                                     | 850*960*1860mm                                      |
| Internal Size(W*D*H) mm | 520*567*1013mm                                                                            | 520*567*1266mm                                     | 550*630*1140mm                                      |
| Capacity                | 268L                                                                                      | 362L                                               | 408L                                                |
| Type                    | Vertical                                                                                  |                                                    |                                                     |
| Temp. Range             | -30°C~-40°C                                                                               |                                                    | -10~-40°C                                           |
| Temp. Accuracy          | 0.1°C                                                                                     |                                                    |                                                     |
| Control System          | Microprocessor Control; Digital Display                                                   |                                                    |                                                     |
| Alarm                   | High or low temperature alarm, door ajar alarm, power failure alarm, sensor failure alarm |                                                    | High or low temperature alarm, sensor failure alarm |
| Refrigeration Type      | Direct Refrigeration                                                                      |                                                    |                                                     |
| Refrigerant             | R290                                                                                      |                                                    |                                                     |
| Compressor              | International well-known brand                                                            |                                                    |                                                     |
| Construction            | Structure                                                                                 | Unibody design                                     |                                                     |
|                         | Internal Material                                                                         | Stainless steel                                    |                                                     |
|                         | External Material                                                                         | Cold-rolled steel coated with anti-bacteria powder |                                                     |
| Drawer/Shelf            | 3pcs shelves, Stainless Steel                                                             | 4pcs shelves, Stainless Steel                      | 3pcs shelves, Stainless Steel                       |
| Consumption             | 335W                                                                                      | 360W                                               | 420W                                                |
| Power Supply            | AC220V±10%, 50Hz                                                                          |                                                    |                                                     |
| Package Size            | 810*860*1820mm                                                                            | 810*860*2100mm                                     | 935*1030*2030mm                                     |
| Gross Weight            | 165kg                                                                                     | 180kg                                              | 250kg                                               |

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**-40°C Freezer****Technical Parameters**

| Model                          | BDF-40H100                                                                                                                                                                                                   | BDF-40H200    | BDF-40H300    | BDF-40H485    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|---------------|
| External Size(L*W*H) mm        | 680*580*935                                                                                                                                                                                                  | 1150*765*885  | 1530*765*885  | 1655*755*915  |
| Capacity                       | 100L                                                                                                                                                                                                         | 200L          | 485L          | 300L          |
| Temperature Range              | -10°C~ -40°C                                                                                                                                                                                                 |               |               | -20°C~ -40°C  |
| Temperature Accuracy           | 0.1°C                                                                                                                                                                                                        |               |               |               |
| 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<br>BDF-40H200&BDF-40H300: High temperature alarm, sensor failure alarm |               |               |               |
| Refrigeration Type             | Direct Refrigeration                                                                                                                                                                                         |               |               |               |
| Refrigerant                    | R290 Mixture Refrigerant                                                                                                                                                                                     |               |               |               |
| Evaporator                     | Material of Copper                                                                                                                                                                                           |               |               |               |
| Structure                      | Unibody Design & Mono-assembly foaming (Rigid polyurethane insulation material)                                                                                                                              |               |               |               |
| Construction Internal material | 304 Stainless Steel                                                                                                                                                                                          |               |               |               |
| External material              | Cold-rolled steel coated with anti-bacteria powder                                                                                                                                                           |               |               |               |
| Baskets                        | 1                                                                                                                                                                                                            |               |               |               |
| Consumption                    | 160W                                                                                                                                                                                                         | 380W          | 480W          | 295W          |
| Power Supply                   | AC220V±10%, 50/60Hz; 110V±10%, 60Hz                                                                                                                                                                          |               |               |               |
| Package Size(L*W*H) mm         | 760*700*1040                                                                                                                                                                                                 | 1230*835*1055 | 1600*835*1055 | 1295X842X1070 |
| Gross Weight                   | 65kg                                                                                                                                                                                                         | 143kg         | 170kg         | 85kg          |

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**-60°C Freezer****Safety system**

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*750*945   | 1160*765*885  | 1530*760*885  | 2115*890*1095 |
| Internal Size(W*D*H) mm  | 470*470*300                                                                                                                                          | 696*470*385   | 960*470*595   | 1330*470*595  | 1380*500*860  |
| 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 temperature alarm & Temperature 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, 130mm only for BDF-60H58) ultra-thick foam layer, dual-sealing design of door, for effective temperature protection |               |               |               |               |
| Internal Material        | 304 stainless steel                                                                                                                                  |               |               |               |               |
| External Material        | Cold-rolled steel with anti-bacteria powder coating                                                                                                  |               |               |               |               |
| 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         |

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**-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                  | 550*630*1140               |
| Capacity                 | 58L                                                                                      | 118L                                                | 158L                         | 398L                       |
| Temp Range               | -45℃ ~ -86℃, 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       | Direct refrigeration                                                                     |                                                     |                              |                            |
| 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 | 1mm ultra-thick foam layer |
|                          | Internal Material                                                                        | 304 stainless steel                                 |                              |                            |
|                          | External Material                                                                        | Cold-rolled steel with anti-bacteria powder coating |                              |                            |
| Consumption              | 340W                                                                                     | 440W                                                | 470W                         | 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                                                                                    | 128kg                                               | 143kg                        | 170kg                      |

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**-86°C Freezer****Technical Parameters**

| Model                          | BDF-86V838                                                                                                                                       | BDF-86V728                                         |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| External Size(W*D*H) mm        | 1160*1172*1994.5                                                                                                                                 | 1248*975*1994                                      |
| Internal Size(W*D*H) mm        | 894*718*1310                                                                                                                                     | 963*558*1350                                       |
| Capacity                       | 838L                                                                                                                                             | 728L                                               |
| Type                           | Vertical                                                                                                                                         |                                                    |
| Temp. Range                    | -40~-86°C                                                                                                                                        |                                                    |
| Temp. Accuracy                 | 0.1°C                                                                                                                                            |                                                    |
| Control System                 | Microprocessor control, LED Digital Display                                                                                                      | Microprocessor control, LCD touch screen           |
| 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                    | Mixture refrigerant                                                                                                                              |                                                    |
| Compressor                     | 2 sets                                                                                                                                           |                                                    |
| Condenser&Evaporator           | Made of copper                                                                                                                                   |                                                    |
| Structure                      | Unibody design & Mono-assembly foaming (Rigid polyurethane insulation material)                                                                  |                                                    |
| Construction Internal Material | SS 304                                                                                                                                           |                                                    |
| External Material              | Cold-rolled steel with anti-bacteria powder coating                                                                                              |                                                    |
| Door                           | Lockable door                                                                                                                                    |                                                    |
| Caster                         | 4 casters                                                                                                                                        |                                                    |
| Chamber with Inner Door        | 4                                                                                                                                                | 4                                                  |
| Shelf                          | 3 pcs                                                                                                                                            | 3 pcs                                              |
| Temp. Test Port                | 1,φ25mm                                                                                                                                          | 1,φ25mm                                            |
| Consumption                    | 1700W                                                                                                                                            | 935W                                               |
| Power Supply                   | AC110V/220V±10%, 50/60Hz                                                                                                                         |                                                    |
| Standard Accessory             | 72 hours battery backup for power failure alarm; USB port                                                                                        |                                                    |
| Optional Storage Racks & Boxes | R255B 24 racks: 5*5, 600 Boxes                                                                                                                   | R254B 12 racks: 4*4, R264B 6 racks: 6*4, 504 Boxes |
| Package Size (W*D*H) mm        | 1270*1100*2185                                                                                                                                   | 1320*970*2190                                      |
| Gross Weight                   | 430kg                                                                                                                                            | 401.5kg                                            |

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## -86°C Freezer



158L



338L



408L

## Technical Parameters

| Model                            | BDF-86V158                                                                      | BDF-86V338                                                                                                                                       | BDF-86V408                                             |
|----------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| External Size(W*D*H) mm          | 700*700*1580                                                                    | 854*1072*1907                                                                                                                                    | 872*1028*1945.5                                        |
| Internal Size(W*D*H) mm          | 460*455*900                                                                     | 488*607*1140                                                                                                                                     | 606*575*1180                                           |
| Capacity                         | 158L                                                                            | 338L                                                                                                                                             | 408L                                                   |
| Type                             | Vertical                                                                        |                                                                                                                                                  |                                                        |
| Temp. Range                      | -40~-86°C                                                                       | -40~-86°C                                                                                                                                        | -40~-86°C                                              |
| Temp. Accuracy                   | 0.1°C                                                                           | 0.1°C                                                                                                                                            | 0.1°C                                                  |
| Control System                   | Microprocessor control, LED Display                                             | Microprocessor control, LCD touch screen                                                                                                         | Microprocessor control, LED Display                    |
| Audible and Visual Alarm         | High temperature, Sensor failure                                                | High and low temperature, Sensor failure, Door ajar, Power failure, Voltage abnormal, Ambient temperature abnormal, Low voltage, Filter blocking |                                                        |
| Refrigeration type               | Direct refrigeration                                                            |                                                                                                                                                  |                                                        |
| Refrigerant                      | Mixture refrigerant                                                             | Mixture refrigerant                                                                                                                              | Mixture refrigeration                                  |
| Compressor                       | 1 set                                                                           | 2 sets                                                                                                                                           | 1 set                                                  |
| Condenser/Evaporator             |                                                                                 |                                                                                                                                                  |                                                        |
| Structure                        | Unibody design & Mono-assembly foaming (Rigid polyurethane insulation material) |                                                                                                                                                  |                                                        |
| Construction                     | SS 304                                                                          |                                                                                                                                                  |                                                        |
| Internal Material                | Cold-rolled steel with anti-bacteria powder coating                             |                                                                                                                                                  |                                                        |
| External Material                | Lockable door                                                                   |                                                                                                                                                  |                                                        |
| Door                             | 4 casters                                                                       |                                                                                                                                                  |                                                        |
| Chamber with Inner Door          | 3                                                                               | 2                                                                                                                                                | 2                                                      |
| Shelf                            | 2 pcs                                                                           | 3 pcs                                                                                                                                            | 3 pcs                                                  |
| Temp. Test Port                  | 1, φ30mm                                                                        | 2, φ25mm                                                                                                                                         | 2, φ25mm                                               |
| Consumption                      | 480W                                                                            | 870W                                                                                                                                             | 890W                                                   |
| Power Supply                     | AC110V/220V±10%, 50/60Hz                                                        |                                                                                                                                                  |                                                        |
| Standard Accessory               | 72 hours battery backup for power failure alarm, USB port                       |                                                                                                                                                  |                                                        |
| Optional Storage Racks and Boxes |                                                                                 | R244B 12 racks: 4*4<br>192 boxes                                                                                                                 | R254B 16 racks: 5*4<br>R244B 8 racks: 4*4<br>288 boxes |
| Package Size (W*D*H) mm          | 800*780*1720                                                                    | 940*1070*2130                                                                                                                                    | 950*955*2100                                           |
| Gross Weight                     | 155kg                                                                           | 305kg                                                                                                                                            | 291kg                                                  |

22



108L



340L



588L

## Technical Parameters

| Model                   | BDF-86V108                                                                      | BDF-86V340                                                                                                                                       | BDF-86V588                               |
|-------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| External Size(W*D*H)mm  | 700*730*1260                                                                    | 854*1006*1907                                                                                                                                    | 891*1150*1964.5                          |
| Internal Size(W*D*H)mm  | 460*460*510                                                                     | 488*607*1140                                                                                                                                     | 606*738*1310                             |
| Capacity                | 108L                                                                            | 340L                                                                                                                                             | 588L                                     |
| Type                    | Vertical                                                                        |                                                                                                                                                  |                                          |
| Temp. Range             | -40°C~-86°C                                                                     | -40°C~-86°C                                                                                                                                      | -40°C~-86°C                              |
| Temp. Accuracy          | 0.1°C                                                                           |                                                                                                                                                  |                                          |
| Control System          | Microprocessor control, LED display                                             | Microprocessor control, LED display                                                                                                              | Microprocessor control, LCD touch screen |
| Audio and Visual Alarm  | High and low temperature, Sensor failure                                        | High and low temperature, Sensor failure, Door ajar, Power failure, Voltage abnormal, Ambient temperature abnormal, Low voltage, Filter blocking |                                          |
| Refrigeration Type      | Direct refrigeration                                                            |                                                                                                                                                  |                                          |
| Refrigerant             | Mixture refrigerant                                                             |                                                                                                                                                  |                                          |
| Compressor              | 1 set                                                                           | 1 set                                                                                                                                            | 2 sets                                   |
| Condenser/Evaporator    |                                                                                 |                                                                                                                                                  |                                          |
| Structure               | Unibody design & Mono-assembly foaming (Rigid polyurethane insulation material) |                                                                                                                                                  |                                          |
| Construction            | SS 304                                                                          |                                                                                                                                                  |                                          |
| Internal Material       | Cold-rolled steel with anti-bacteria powder coating                             |                                                                                                                                                  |                                          |
| External Material       | Lockable door                                                                   |                                                                                                                                                  |                                          |
| Door                    | 4 casters                                                                       |                                                                                                                                                  |                                          |
| Chamber with Inner Door | 2                                                                               | 2                                                                                                                                                | 2                                        |
| Shelf                   | 1 pcs                                                                           | 3 pcs                                                                                                                                            | 3 pcs                                    |
| Temp. Test Port         | 1, φ20mm                                                                        | 2, φ25mm                                                                                                                                         | 2, φ25mm                                 |
| Consumption             | 450W                                                                            | 810W                                                                                                                                             | 815W                                     |
| Power Supply            | AC110V/220V±10%, 50/60Hz                                                        |                                                                                                                                                  |                                          |
| Standard Accessory      | 72 hours battery backup for power failure alarm, USB port                       |                                                                                                                                                  |                                          |
| Optional Accessory      | Storage Racks and Boxes                                                         | R244B 12 racks: 4*4<br>192 boxes                                                                                                                 | R254B 16 racks: 5*4<br>400 boxes         |
| Package Size (W*D*H)mm  | 785*800*1430                                                                    | 935*1070*2130                                                                                                                                    | 975*1140*2200                            |
| Gross Weight            | 133kg                                                                           | 283.5kg                                                                                                                                          | 368kg                                    |

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## Freezer Racks and Boxes



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## Technical Parameters

| 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" | SS 304   |
| Racks | R255B | For 2 inch box, drawer type; 5 layer*5 row | 142*693*290        | 25 units boxes 2" | SS 304   |
| Racks | R335A | For 3 inch box, side type; 3 layer*5 row   | 137*692*280        | 15 units boxes 3" | SS 304   |
| Racks | R335B | For 3 inch box, drawer type; 3 layer*5 row | 142*693*282        | 15 units boxes 3" | SS 304   |
| Racks | R254A | For 2 inch box, side type; 5 layer*4row    | 137*555*292        | 20 units boxes 2" | SS 304   |
| Racks | R254B | For 2 inch box, drawer type; 5 layer*4 row | 142*556*290        | 20 units boxes 2" | SS 304   |
| Racks | R244A | For 2 inch box, side type; 4 layer*4 row   | 137*555*234        | 16 units boxes 2" | SS 304   |
| Racks | R244B | For 2 inch box, drawer type; 4 layer*4 row | 142*556*233        | 16 units boxes 2" | SS 304   |
| Racks | R334A | For 3 inch box, side type; 3 layer*4row    | 137*555*260        | 12 units boxes 3" | SS 304   |
| Racks | R334B | For 3 inch box, drawer type; 3 layer*4 row | 142*556*262        | 12 units boxes 3" | SS 304   |
| Racks | R253A | For 2 inch box, side type; 5 layer*3row    | 137*418*292        | 15 units boxes 2" | SS 304   |
| Racks | R253B | For 2 inch box, drawer type; 5 layer*3 row | 142*419*290        | 15 units boxes 2" | SS 304   |
| Racks | R11   | For 2 inch box, hike type; 11 layer        | 140*147*630        | 11 units boxes 2" | SS 304   |
| Racks | R8    | For 2 inch box, hike type; 8 layer         | 140*147*462        | 8 units boxes 2"  | SS 304   |
| Racks | R10   | For 2 inch box, hike type; 10 layer        | 140*147*574        | 10units boxes 2"  | SS 304   |

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## 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

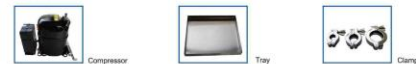
#### Introduction

Bobase 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 | Stopping chamber                                     | Stopping chamber with 8 port manifold |
| Freeze Drying Area               | 0.12m <sup>2</sup>                                                                      |                                       | 0.09m <sup>2</sup>                                   |                                       |
| Tray                             | 4/8(Optional)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                                                                                     |                                       |                                                      |                                       |
| 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) |                                       |                                                      |                                       |
| External Size (W*D*H)            | 600*560*374/820mm                                                                       |                                       | 600*560*374/820mm                                    |                                       |
| Package Size Main Body           | 670*700*560 (80kg)                                                                      |                                       |                                                      |                                       |
| (W*D*H) mm / Drying Chamber      | 620*400*400 (15kg)                                                                      |                                       |                                                      |                                       |
| Gross Weight Vacuum Pump         | 570*360*240 (22kg)                                                                      |                                       |                                                      |                                       |

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### Vertical Freeze Dryer



#### 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 | Stopping chamber   | Stopping chamber with 8 port manifold |
| Freeze Drying Area              | 0.12/0.18m <sup>2</sup>                                                                                 |                                       | 0.09m <sup>2</sup> |                                       |
| Tray                            | 4/8(Optional)pcs                                                                                        |                                       | 3pcs               |                                       |
| Height Between Trays            | 76/50mm                                                                                                 |                                       | 70mm               |                                       |
| Cold Trap Temperature           | s-60℃/-80℃(Option)                                                                                      |                                       |                    |                                       |
| Cold Trap Capacity              | 9.3L                                                                                                    |                                       |                    |                                       |
| Cold Trap Size(D*H)             | Φ217*230mm                                                                                              |                                       |                    |                                       |
| 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)  | 1.2/1.8L                                                                                                |                                       | 0.9L               |                                       |
| Drying Chamber Size(D*H)        | Lower circle Φ260mm Upper circle Φ240mm Height 450mm                                                    |                                       |                    |                                       |
| Can Load Vials Qty              | Φ22mm: 260<br>Φ16mm: 480<br>Φ12mm: 920                                                                  |                                       | 195<br>360<br>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*1180mm (80kg)                                                                                   |                                       |                    |                                       |
| (W*D*H)mm / Drying Chamber      | 620*400*400mm (15kg)                                                                                    |                                       |                    |                                       |
| Gross Weight Vacuum Pump        | 570*360*240 (22kg)                                                                                      |                                       |                    |                                       |

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#### Technical Parameters

| Model                                                                                                    | BK-FD18S(-55/-80)    | BK-FD18P(-55/-80)                     | BK-FD18T(-55/-80)         | BK-FD18PT(-55/-80)                    |
|----------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------|---------------------------|---------------------------------------|
| Standard chamber                                                                                         |                      | Standard chamber with 8 port manifold | Stopping chamber          | Stopping chamber with 8 port manifold |
| 0.18m <sup>2</sup>                                                                                       |                      |                                       | 0.09m <sup>2</sup>        |                                       |
| 4 pcs                                                                                                    |                      |                                       | 3 pcs                     |                                       |
| 70mm                                                                                                     |                      |                                       |                           |                                       |
| s-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 100mLx2, 250mLx2, 500mLx2, 1000mLx2 (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*560mm (14kg)                                                                                     | 430*430*660mm (28kg) |                                       |                           |                                       |
| 620*370*450 (32kg)                                                                                       |                      |                                       |                           |                                       |

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## Pilot Freeze Dryer



BK-FD20S



BK-FD20T



BK-FD30S



BK-FD30T

## Technical Parameters

| Model                                  | BK-FD20S(Standard)                         | BK-FD20T(Stoppers)          | BK-FD30S(Standard)                                 | BK-FD30T(Stoppers)        |
|----------------------------------------|--------------------------------------------|-----------------------------|----------------------------------------------------|---------------------------|
| Freeze Drying Area                     | 0.3m <sup>2</sup>                          | 0.2m <sup>2</sup>           | 0.4m <sup>2</sup>                                  | 0.3m <sup>2</sup>         |
| Shelf Temperature                      | -50°C→+70°C(no-loading)                    |                             |                                                    |                           |
| Cold Trap Temperature                  | <75°C(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<br>Tray: 305*265*25mm  |                             | Shelf: 300*340*18mm<br>Tray: 295*330*25mm          |                           |
| Qty. Of Shelf & Tray                   | Shelf: 3+1, Tray: 3                        | Shelf: 2+1, Tray: 2         | Shelf: 4+1, Tray: 4                                | Shelf: 3+1, Tray: 3       |
| Sample Loading Capacity (Liquid)       | 3L                                         | 2L                          | 4L                                                 | 3L                        |
| Height Between Trays                   | 70mm                                       |                             | 50mm                                               | 70mm                      |
| Tray Temperature Difference            | ±1°C                                       |                             |                                                    |                           |
| Refrigerant                            | R404A + R23                                |                             |                                                    |                           |
| Condenser Cooling Mode                 | Air cooling                                |                             |                                                    |                           |
| Defrost Mode                           | Electric defrosting                        |                             | Natural defrosting<br>(option electric defrosting) | Electric defrosting       |
| Stoppers Mode                          | /                                          | manual                      | /                                                  | automatic                 |
| Total Qty. Of Vial                     | Φ22mm / 440<br>Φ16mm / 868<br>Φ12mm / 1554 |                             | /                                                  | 654<br>1200<br>2187       |
| Vacuum Pump                            | 4L/S(14.4m <sup>3</sup> /h)                | 4L/S(14.4m <sup>3</sup> /h) | 6L/S(22m <sup>3</sup> /h)                          | 6L/S(22m <sup>3</sup> /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                | 847*767*580mm                              | 847*757*590mm               | 927*787*1300mm                                     | 1260*957*1420mm           |
| Package Size(W*D*H)mm Main Body        | 987*867*126mm/40kg                         | 987*867*126mm/47kg          | 1100*987*150mm/49kg                                | 1442*1037*1720mm/65kg     |
| Gross Weight Vacuum Pump               | 957*827*900mm (57kg)                       |                             | 790*307*470mm (52kg)                               |                           |

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

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BK-FD50S



BK-FD50T



BK-FD100S



BK-FD100T

## Technical Parameters

| Model                                  | BK-FD50S(Standard)                                 | BK-FD50T(Stoppers)                         | BK-FD100S(Standard)                       | BK-FD100T(Stoppers)                       |
|----------------------------------------|----------------------------------------------------|--------------------------------------------|-------------------------------------------|-------------------------------------------|
| Freeze Drying Area                     | 0.7m <sup>2</sup>                                  | 0.5m <sup>2</sup>                          | 1.04m <sup>2</sup>                        | 1.15m <sup>2</sup>                        |
| Shelf Temperature                      | -50°C→+70°C(no-loading)                            |                                            |                                           |                                           |
| Cold Trap Temperature                  | <75°C(no-loading)                                  |                                            |                                           |                                           |
| Vacuum Degree                          | ≤5 Pa(no-loading)                                  |                                            |                                           |                                           |
| Water Capture Capacity                 | ≥10kg                                              |                                            | ≥15kg                                     |                                           |
| Cold Trap Volume                       | /                                                  | 70L                                        |                                           |                                           |
| Cold Trap Size (Diameter*H)            | /                                                  | Φ400*560mm                                 |                                           |                                           |
| Drying Chamber Size (W*D*H)            | 410*510*590 mm                                     | 620*510*580mm                              | 410*580*520mm                             | 700*590*760mm                             |
| Shelf & Tray Size(W*D*H)               | Shelf: 480*360*18mm<br>Tray: 475*355*25mm          | Shelf: 410*410*18mm<br>Tray: 405*405*25mm  | Shelf: 480*360*18mm<br>Tray: 475*355*25mm | Shelf: 480*600*18mm<br>Tray: 475*595*25mm |
| Qty. Of Shelf & Tray                   | Shelf: 4+1, Tray: 4                                | Shelf: 3+1, Tray: 3                        | Shelf: 6+1, Tray: 6                       | Shelf: 4+1, Tray: 4                       |
| Sample Loading Capacity (Liquid)       | 7L                                                 | 5L                                         | 10L                                       | 11L                                       |
| Height Between Trays                   | 70mm                                               |                                            |                                           | 100mm                                     |
| Tray Temperature Difference            | ±1°C                                               |                                            |                                           |                                           |
| Refrigerant                            | R404A + R23                                        |                                            |                                           |                                           |
| Condenser Cooling Mode                 | Air cooling                                        |                                            |                                           |                                           |
| Defrost Mode                           | Natural defrosting<br>(option electric defrosting) | Electric defrosting                        | Electric defrosting                       | Electric defrosting                       |
| Stoppers Mode                          | /                                                  | automatic                                  | /                                         | automatic                                 |
| Total Qty. Of Vial                     | /                                                  | 1050<br>2058<br>3075                       | /                                         | 2460<br>4788<br>8624                      |
| Vacuum Pump                            | 8L/S(28m <sup>3</sup> /h)                          |                                            | 15L/S(54m <sup>3</sup> /h)                |                                           |
| Electric Defrosting Consumption        | /                                                  | 1000W                                      | 1600W                                     | 1500W                                     |
| Silicone Oil Heating Rods Consumption  | 1000W                                              | 1000W                                      | 1600W                                     | 1500W                                     |
| Hydraulic Pressure Station Consumption | 5.5KW                                              | 6.5KW                                      | 6.5KW                                     | 7.5KW                                     |
| Power Supply                           | AC380V, 50Hz/60Hz (three phase)                    | BK-FD50S: AC220V, 50Hz/60Hz (single phase) |                                           |                                           |
| Main Body Weight                       | 600kg                                              | 800kg                                      | 700kg                                     | 1000kg                                    |
| External Size(W*D*H) mm                | 1000*850*1420mm                                    | 1480*850*1620mm                            | 1170*830*1665mm                           | 1640*1100*1630mm                          |
| Package Size(W*D*H)mm Main Body        | 1130*940*1620mm /565kg                             | 1600*1040*2040mm /800kg                    | 1320*990*1855mm /900kg                    | 1800*1250*2100mm /1200kg                  |
| Gross Weight Vacuum Pump               | 790*330*445mm (73kg)                               | 830*370*600mm (88kg)                       | 785*455*300mm (65kg)                      | 800*500*500mm (70kg)                      |

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

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## Car Refrigerator



CR-18

## Features

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

## Technical Parameters

| Model                   | CR-18                     |
|-------------------------|---------------------------|
| Display                 | LED                       |
| Capacity                | 18L                       |
| Temp. Range             | 0°C~65°C(ambient 25°C)    |
| Material                | ABS                       |
| Casters                 | No                        |
| Consumption             | 70W                       |
| Power Supply            | DC12V/24V, AC110/220V±10% |
| External Size(W*D*H) mm | 250*270*320               |
| Internal Size(W*D*H) mm | 230*245*300               |
| Package Size(W*D*H) mm  | 690*540*380               |
| Gross Weight            | 8kg                       |

## Portable Refrigerator

## Features

1. The storage container can keep content cooling up to 24 hours.
2. Insulation material is PU CFC-free polyurethane.
3. Made of environmental PP material, food grade, non-toxic.
4. Storage container is durable for vaccine storage, dry ice storage, frozen specimen storage etc.



LCX-6L



LCX-12L



LCX-17L



LCX-20L



LCX-33L



LCX-64L



Ice vessels

## Technical Parameters

| Model                      | LCX-6L                                                  | LCX-12L     | LCX-17L     | LCX-20L     | LCX-33L      | LCX-64L                                                                               |
|----------------------------|---------------------------------------------------------|-------------|-------------|-------------|--------------|---------------------------------------------------------------------------------------|
| External Size(W*D*H)mm     | 340*230*280                                             | 420*240*300 | 440*300*340 | 440*270*310 | 570*310*370  | 615*395*450                                                                           |
| Internal Size(W*D*H)mm     | 226*140*210                                             | 330*170*225 | 350*220*250 | 375*215*250 | 450*225*300  | 525*300*355                                                                           |
| Capacity                   | 6L                                                      | 12L         | 17L         | 20L         | 33L          | 64L                                                                                   |
| Temp. Range                | 2°C~8°C                                                 |             |             |             |              |                                                                                       |
| Storage Time(Ambient 30°C) | 24h                                                     |             |             | 18h         | 20h          | 24h                                                                                   |
| Material                   | PP<br>Internal PU                                       |             |             |             |              |                                                                                       |
| Ice Vessels                | 6(CMB-400)                                              | 7(CMB-400)  | 2(CMB-1200) | 8(CMB-400)  | 3 (CMB-1200) | 4(CMB-1500)                                                                           |
| Max. Loading               | 6kg                                                     | 8kg         | 15kg        | 18kg        | 25kg         | 60kg                                                                                  |
| Optional Accessory         | LED display thermometer (LCX-17L: Lock and Thermometer) |             |             |             |              |                                                                                       |
| Net Weight                 | 1.9kg                                                   | 2.5kg       | 3.2kg       | 3.5kg       | 4.5kg        | 7.8kg                                                                                 |
| Gross Weight               | 5kg                                                     | 6kg         | 8kg         | 7.5kg       | 9.5kg        | 8kg(ice vessel is packed separately)                                                  |
| Package Size(W*D*H)mm      | 350*250*280                                             | 440*265*335 | 440*330*370 | 460*280*325 | 590*320*370  | 650*410*435<br>64L ice vessel<br>530*330*135<br>(1500mm <sup>3</sup> )<br>Weight:17kg |

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## Biosafety Transport Box



## 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-L5                                                                                                          | BTB-L8                      | BTB-L6                                             | BTB-L12                                          |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------|--------------------------------------------------|
| External Size(W*D*H)          | 266*215*225mm                                                                                                   | 335*225*205mm               | 330*235*275mm                                      | 400*250*300mm                                    |
| Internal Size(W*D*H)          | 200*142*165mm                                                                                                   | 295*167*168mm               | 240*145*180mm                                      | 330*170*230mm                                    |
| Capacity                      | 5L                                                                                                              | 8L                          | 6L                                                 | 12L                                              |
| Storage Time<br>(Ambient 48℃) | 2-8 ℃,24h (Below 43℃)                                                                                           |                             |                                                    |                                                  |
| Internal Materials            | pp                                                                                                              |                             |                                                    |                                                  |
| External Materials            | PE                                                                                                              |                             |                                                    |                                                  |
| Insulation Material           | EPS                                                                                                             |                             | PU polyurethane integral foaming                   |                                                  |
| Number of Specimens           | 19 samples at one time                                                                                          | 38 samples at one time      | 19 samples at one time                             | 38 samples at one time                           |
| Freezing Characteristics      | When frozen into solid, the maximum thickness of the cold source is not more than 15% of the unfrozen thickness |                             |                                                    |                                                  |
| Ice Source Materials          | Polyethylene efficient cold source, firm and safe, no irritation to skin                                        |                             |                                                    |                                                  |
| Standard Accessory            | One cabinet,one handle                                                                                          |                             | One cabinet, one digital thermometer and one strap |                                                  |
|                               | One 95kpa biosafety                                                                                             | Two 95kpa biosafety         | One 95kpa biosafety                                | Two 95kpa biosafety                              |
|                               | transport tank, one                                                                                             | transport tanks, two        | transport tank, one                                | transport tanks, two                             |
|                               | sponge reagent tube                                                                                             | sponge reagent tube         | sponge reagent tube                                | sponge reagent tube                              |
|                               | holder, one adsorption                                                                                          | holders, two adsorption     | holder, one adsorption                             | holders, two adsorption                          |
|                               | cotton and two crystal                                                                                          | cotton sheets, four crystal | cotton and four crystal                            | cotton sheets, six crystal                       |
|                               | ice storage boxes                                                                                               | ice storage boxes           | ice storage boxes                                  | ice storage boxes, one<br>clipboard and one tray |
|                               |                                                                                                                 |                             |                                                    |                                                  |
| Package Size(W*D*H)           | 560*405*305mm                                                                                                   |                             |                                                    |                                                  |
| Gross Weight                  | 2.6kg                                                                                                           | 3.5kg                       | 3.82kg                                             | 4.79kg                                           |

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## 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                 | R134a R290a (for FIM40-100)                      |       |             |       |             |       |       |
| 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 |       |       |

| 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                          |        |        |              |        |
| Refrigerant                 | R290a R134a R290a                                |        |        |              |        |
| 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)              | 56                                               |        | 60     | 80           |        |
| Gross Weight(kg)            | 82                                               |        | 84     | 105          |        |
| External Size(W*D*H)mm      | 600*811*940                                      |        |        | 680*811*1100 |        |
| Package Size(W*D*H)mm       | 720*820*1160                                     |        |        | 730*790*1320 |        |

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

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## Split-Type Flake Ice Maker



## 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°C                                          |              |
| Water Temperature           | 2~15°C                                           |              |
| Tank Shell                  | Stainless steel                                  |              |
| Refrigerant                 | SECOPI 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 (W*D*H)mm     | Head Size 560*550*570                            | 600*760*740  |
| Ice Tank Size               | 570*830*1020                                     | 770*851*1130 |
| Package Size (W*D*H)mm      | Head Size 640*660*890                            | 700*850*995  |
| Ice Tank Size               | 640*660*990                                      | 860*870*1050 |

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