



Infitek



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# Refrigerator & Freezer

Freezers,  $-150^{\circ}\text{C} \sim -25^{\circ}\text{C}$

Refrigerator,  $2 \sim 8^{\circ}\text{C}$

Blood Bank Refrigerator

Solar Medicine Refrigerator

Portable Refrigerator

Car Refrigerator

Corpse Refrigerator

# Infitek

VERSION.2025

# INTRODUCTION

Founded in 2010, with the mission of continuously improving the intelligence, precision, safety and convenience of the laboratory, Infitek is a professional manufacturer driven by innovation and service in laboratory and Medical field, our company is certified by ISO9001, ISO13485 and Intellectual Property Management System

In addition to providing our self-produced products, we also provide customers with purchasing and inspection services in whole China market. We provide fully after-sales service to the products running through us.



Each of our facilities have more than 10 years of experienced R&D personnel to ensure the continuous improvement of product quality. In order to ensure processing accuracy, we use internationally renowned sheet metal processing equipment and CNC machine tools, such as DMG MORI and AMADA. The whole production process is strictly implemented in accordance with industry standards. All accessories, metal processing, assembly and inspection work are completed by highly trained and responsible employees.

To guarantee the performance of the finished product, each product line has set up an independent testing room.

18 Factories

We have 18 factories in form of self-establishment, holding or equity participation.

# CERTIFICATE



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# CERTIFICATE



Freezer, -150 °C

ULF150-H130



Reliability

- 7 inches touch screen to display current temperature, history temperature, all alarm records and data.
- Standard with USB port to download alarm and temperature data.
- Non-flammable HC refrigerant to guarantee users' safe.
- Emergency stop to protect operator.



Key Features

- Microprocessor-controlled system designed with 1°C increment.
- Settable high temperature and low temperature alarms.
- Rapid cooling in 6 hours.

Energy Conservation

- Unique door seal design for the minimum loss of cold temperature during a door opening.
- 200 mm thickness without CFC insulation to minimize cabinet heat gain and to improve temperature stability.

SAFETY

Malfuction alarms including high and low temperature, power failure, sensor error, clean-filter, and condenser clean, abnormal voltage, low battery thermostat failure.

Capable of producing two types of alarm outputs, audible buzzer and visible flashing light.

Door open feature standard and USB port for temperature date downloading standard on upright models.

Remote alarm contacts.

Application

It is suitable for low temperature test of special materials and preservation of plasma, biological materials, vaccines, reagents, biological products, chemical reagents, strains, biological samples, etc.



Specification

| Model                     |                                     | ULF150-H130                                                |
|---------------------------|-------------------------------------|------------------------------------------------------------|
| Capacity                  |                                     | 128L                                                       |
| Dimension (W*D*H)         | Internal                            | 500*450*578mm                                              |
|                           | External                            | 1560*957*1178mm                                            |
| Temperature               | Range at RT. 10 ~ 32 °C             | -40 ~ -150 °C                                              |
|                           | Sensor                              | PT100                                                      |
|                           | Controller                          | Microprocessor                                             |
| Cooling System            | Refrigerant                         | Mixed-gas (CFC Free)                                       |
|                           | Defrost                             | Manual                                                     |
|                           | Compressor (Qty)                    | TECUMSEH / 1                                               |
| Display                   |                                     | LCD display                                                |
| Audible&Visible Alarm     | High/Low temperature                | Standard                                                   |
|                           | High ambient temperature            | Standard                                                   |
|                           | Sensor error                        | Standard                                                   |
|                           | Abnormal voltage                    | Standard                                                   |
|                           | Low battery                         | /                                                          |
|                           | Power failure backup system(alarm)  | /                                                          |
|                           | Door ajar                           | /                                                          |
| Material                  | Internal                            | Stainless steel, grade 304                                 |
|                           | External                            | Electro-galvanized steel with antimicrobial powder coating |
| Accessories               | USB port                            | Standard                                                   |
|                           | Temperature Temperature data logger | Optional                                                   |
|                           | Remote alarm port                   | Standard                                                   |
|                           | Test hole (Qty) / Diameter          | 1 / 25mm                                                   |
| Shelves / Drawers (Qty)   |                                     | /                                                          |
| Sound Emission (dB)       |                                     | 50                                                         |
| Electricity               | Voltage / Frequency                 | AC220V, 50Hz                                               |
|                           | Consumption                         | 3125W                                                      |
| N.W. / G.W.               |                                     | 245 / 360kg                                                |
| Package Dimension (W*D*H) |                                     | 1650*980*1380mm                                            |

# Freezer, -86 °C

- ULF86-60E  
ULF86-590E  
ULF86-410
- ULF86-190E  
ULF86-730E  
ULF86-590
- ULF86-340E  
ULF86-840E  
ULF86-730
- ULF86-410E  
ULF86-340  
ULF86-840



ULF86-340

## Reliability

- Positive filed proven reliability record.
  - Specialized control system design for a well-balanced operation of cascade(dual) refrigeration system.
- ## Key Features
- Microprocessor-controlled system designed with 0.1°C increment.
  - Settable high temperature and low temperature alarms.
  - Automatic clean-filter alarm and sensor error alert.
  - Adjustable storage shelf height.
  - Double security with two independent cooling system, when one system breakdown, the other system could maintain the inner temperature at -70 °C. (Only for P series)

### Economical type

- ULF86-60E
- ULF86-190E
- ULF86-340E
- ULF86-410E
- ULF86-590E
- ULF86-730E
- ULF86-840E

### Internationally universal type

- ULF86-340
- ULF86-410
- ULF86-590
- ULF86-730
- ULF86-840



- Multifunctional alarms including high and low temperature, power failure, sensor error, clean-filter, and extremely high ambient, abnormal voltage, thermostat failure, low battery, condenser clean, door ajar.
- Capable of producing two types of alarm outputs, audible buzzer and visible flashing light.
- Door open feature standard and USB port for temperature date downloading standard on upright models.
- Remote alarm contacts.

## Energy Conservation

- High performance V.I.P(Vacuum Insulation Panel) insulation panels to minimize cabinet heat gain and to improve temperature stability.
- Unique insulated inner door design for four separate storage compartments to minimize frost buildup inside the chamber.
- Unique door seal design for the minimum loss of cold temperature during a door opening.
- HC Refrigerant with better efficiency & less energy cost, good for environment. (Except for the E series)



## Optional

Temperature recorder,frozen racks and frozen boxes ,back up system (CO<sub>2</sub> / LN<sub>2</sub>).

## Application



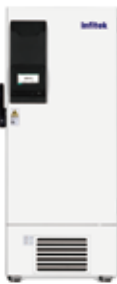
It is suitable for low temperature test of special materials and preservation of plasma, biological materials, vaccines, reagents, biological products, chemical reagents, strains, biological samples, etc.



Specifications

| Model                          |                                                    | ULF86-60E                                                  | ULF86-190E                                                 |
|--------------------------------|----------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                   |                                                    | 58                                                         | 188                                                        |
| Dimension (W*D*H)              | Internal (mm)                                      | 330*453*410                                                | 465*465*830                                                |
|                                | External (mm)                                      | 635*757*1212                                               | 830*810*1607.5                                             |
| Temperature                    | Range ( °C ) at RT. 10 ~ 32 °C                     | -40 ~ -86                                                  | -40 ~ -86                                                  |
|                                | Sensor                                             | PTC                                                        | PTC                                                        |
|                                | Controller                                         | Microprocessor                                             | Microprocessor                                             |
| Cooling System                 | Refrigerant                                        | R4001                                                      | R4001                                                      |
|                                | Defrost                                            | Manual                                                     | Manual                                                     |
|                                | Compressor (Qty)                                   | SECOP / 1                                                  | CUBIGEL / 1                                                |
| Display                        |                                                    | Digital display                                            | Digital display                                            |
| Audible& Visible Alarm         | High/Low temperature                               | Standard                                                   | Standard                                                   |
|                                | High ambient temperature                           | Standard                                                   | Standard                                                   |
|                                | Sensor error                                       | Standard                                                   | Standard                                                   |
|                                | Abnormal voltage                                   | Standard                                                   | Standard                                                   |
|                                | Low battery                                        | Standard                                                   | Standard                                                   |
|                                | Power failure backup system(alarm)                 | 72h                                                        | 72h                                                        |
| Material                       | Door ajar                                          | Standard                                                   | Standard                                                   |
|                                | Internal                                           | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 |
|                                | External                                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
| Accessories                    | Inner door                                         | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 |
|                                | USB port                                           | Standard                                                   | Standard                                                   |
|                                | Casters                                            | Standard                                                   | Standard                                                   |
|                                | Chart recorder                                     | /                                                          | /                                                          |
|                                | Temperature Temperature data logger                | Optional                                                   | Optional                                                   |
|                                | Remote alarm port                                  | Standard                                                   | Standard                                                   |
|                                | Test hole (Qty) / Diameter (mm)                    | 1 / 25                                                     | 1 / 25                                                     |
|                                | Back up system (CO <sub>2</sub> /LN <sub>2</sub> ) | Optional                                                   | Optional                                                   |
| Shelves / Drawers (Qty)        |                                                    | Shelf / 1                                                  | Shelves / 2                                                |
| Optional Frozen Racks (Qty)    | Racks                                              | 2(6*2)                                                     | 9(4*3)                                                     |
|                                | Boxes (2 Inches)                                   | 24                                                         | 108                                                        |
|                                | Samples (2ml)                                      | 2400                                                       | 10800                                                      |
| Sound Emission (dB)            |                                                    | 50                                                         | 52                                                         |
| Electricity                    | Voltage / Frequency                                | AC110 / 220V±10%, 50/60Hz                                  | AC110 / 220V±10%, 50 / 60Hz                                |
|                                | Consumption (W)                                    | 442                                                        | 660                                                        |
| N.W. / G.W. (kg)               |                                                    | 115 / 160                                                  | 207 / 220                                                  |
| Package Dimension (W*D*H) (mm) |                                                    | 750*870*1420                                               | 890*920*1820                                               |

Specifications



| Model                         |                                                    | ULF86-340E                                                 | ULF86-410E                                                 | ULF86-590E                                                 | ULF86-730E                                                 | ULF86-840E                        |
|-------------------------------|----------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-----------------------------------|
| Capacity (L)                  |                                                    | 340                                                        | 408                                                        | 588                                                        | 728                                                        | 838                               |
| Dimension (W*D*H)             | Internal (mm)                                      | 488*607*1140                                               | 606*575*1180                                               | 606*738*1310                                               | 963*571*1350                                               | 894*718*1310                      |
|                               | External (mm)                                      | 854*1006*1907                                              | 872*1028*1945.5                                            | 891*1155*1994.5                                            | 1248*975*1994.5                                            | 1179*1135*1994.5                  |
| Temperature                   | Range ( ℃ ) at RT. 10 ~ 32 ℃                       | -40 ~ -86                                                  | -40 ~ -86                                                  | -40 ~ -86                                                  | -40 ~ -86                                                  | -40 ~ -86                         |
|                               | Sensor                                             | PTC                                                        | PTC                                                        | PTC                                                        | PTC                                                        | PTC                               |
|                               | Controller                                         | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             | Microprocessor                    |
| Cooling System                | Refrigerant                                        | R400I                                                      | R400I                                                      | R400I                                                      | R400I                                                      | R400I                             |
|                               | Defrost                                            | Manual                                                     | Manual                                                     | Manual                                                     | Manual                                                     | Manual                            |
|                               | Compressor (Qty)                                   | SECOP / 1                                                  | SECOP / 1                                                  | SECOP / 2                                                  | SECOP / 2                                                  | SECOP / 2                         |
| Display                       |                                                    | LCD display                                                | LCD display                                                | LCD display                                                | LCD display                                                | LCD display                       |
| Audible& Visible Alarm        | High/Low temperature                               | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                          |
|                               | High ambient temperature                           | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                          |
|                               | Sensor error                                       | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                          |
|                               | Abnormal voltage                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                          |
|                               | Low battery                                        | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                          |
|                               | Power failure backup system(alarm)                 | 72h                                                        | 72h                                                        | 72h                                                        | 72h                                                        | 72h                               |
|                               | Door ajar                                          | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Stainless steel, grade 304        |
| Material                      | Internal                                           | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Electro-galvanized steel          |
|                               | External                                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | with antimicrobial powder coating |
|                               | Inner door                                         | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304        |
| Accessories                   | USB port                                           | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                          |
|                               | Casters                                            | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                          |
|                               | Chart recorder                                     | /                                                          | Optional                                                   | /                                                          | /                                                          | /                                 |
|                               | Temperature Temperature data logger                | Optional                                                   | Optional                                                   | Optional                                                   | Optional                                                   | Optional                          |
|                               | Remote alarm port                                  | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                          |
|                               | Test hole (Qty) / Diameter (mm)                    | 2 / 25                                                     | 2 / 25                                                     | 2 / 25                                                     | 2 / 25                                                     | 2 / 25                            |
|                               | Back up system (CO <sub>2</sub> /LN <sub>2</sub> ) | Optional                                                   | Optional                                                   | Optional                                                   | Optional                                                   | Optional                          |
| Shelves / Drawers (Qty)       |                                                    | Shelves / 3                                                | Shelves / 3                                                | Shelves / 3                                                | Shelves / 3                                                | Shelves / 3                       |
| Optional                      | Racks                                              | 12(4*4)                                                    | 8(5*4)+8(4*4)                                              | 16(5*5)                                                    | 18(5*4)+6(6*4)                                             | 24(5*5)                           |
| Frozen Racks (Qty)            | Boxes (2 Inches)                                   | 192                                                        | 288                                                        | 400                                                        | 504                                                        | 600                               |
|                               | Samples (2ml)                                      | 19200                                                      | 28800                                                      | 40000                                                      | 50400                                                      | 60000                             |
| Sound Emission (dB)           |                                                    | 52                                                         | 53                                                         | 53                                                         | 53                                                         | 55                                |
| Electricity                   | Voltage / Frequency                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz       |
|                               | Consumption (W)                                    | 810                                                        | 890                                                        | 1500                                                       | 1400                                                       | 1700                              |
| N.W. / G.W. (kg)              |                                                    | 268 / 288                                                  | 268 / 293                                                  | 283/345.5                                                  | 316/392                                                    | 332/407                           |
| Package Dimension (W*D*H)(mm) |                                                    | 960*1090*2080                                              | 1070*980*2130                                              | 1190*970*2200                                              | 1330*1020*2200                                             | 1275*1165*2200                    |

Specifications



| Model                          |                                                    | ULF86-340                                                  | ULF86-410                                                  | ULF86-590                                                  | ULF86-730                                                  | ULF86-840                                                  |
|--------------------------------|----------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                   |                                                    | 338                                                        | 408                                                        | 588                                                        | 728                                                        | 838                                                        |
| Dimension (W*D*H)              | Internal (mm)                                      | 488*607*1140                                               | 606*575*1180                                               | 606*738*1310                                               | 963*571*1350                                               | 894*718*1310                                               |
|                                | External (mm)                                      | 854*1072*1907                                              | 891*992*1945.5                                             | 891*1155*1994.5                                            | 1248*975*1994.5                                            | 1179*1135*1994.5                                           |
| Temperature                    | Range ( °C ) at RT. 10 ~ 32 °C                     | -40 ~ -86                                                  | -40 ~ -86                                                  | -40 ~ -86                                                  | -40 ~ -86                                                  | -40 ~ -86                                                  |
|                                | Sensor                                             | PTC                                                        | PTC                                                        | PTC                                                        | PTC                                                        | PTC                                                        |
|                                | Controller                                         | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             |
| Cooling System                 | Refrigerant                                        | HC (CFC Free)                                              | HC (CFC Free)                                              | HC (CFC Free)                                              | HC (CFC Free)                                              | HC (CFC Free)                                              |
|                                | Defrost                                            | Manual                                                     | Manual                                                     | Manual                                                     | Manual                                                     | Manual                                                     |
|                                | Compressor (Qty)                                   | SECOP / 2                                                  | SECOP / 2                                                  | SECOP / 2                                                  | SECOP / 2                                                  | SECOP / 2                                                  |
| Display                        |                                                    | LCD display                                                | LCD display                                                | LCD display                                                | LCD display                                                | LCD display                                                |
| Audible& Visible Alarm         | High/Low temperature                               | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | High ambient temperature                           | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Sensor error                                       | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Abnormal voltage                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Low battery                                        | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Power failure backup system(alarm)                 | 72h                                                        | 72h                                                        | 72h                                                        | 72h                                                        | 72h                                                        |
|                                | Door ajar                                          | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
| Material                       | Internal                                           | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 |
|                                | External                                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
|                                | Inner door                                         | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 |
| Accessories                    | USB port                                           | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Casters                                            | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Chart recorder                                     | Optional                                                   | Optional                                                   | Optional                                                   | Optional                                                   | Optional                                                   |
|                                | Temperature Temperature data logger                | Optional                                                   | Optional                                                   | Optional                                                   | Optional                                                   | Optional                                                   |
|                                | Remote alarm port                                  | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Test hole (Qty) / Diameter (mm)                    | 2 / 25                                                     | 2 / 25                                                     | 2 / 25                                                     | 2 / 25                                                     | 2 / 25                                                     |
|                                | Back up system (CO <sub>2</sub> /LN <sub>2</sub> ) | Optional                                                   | Optional                                                   | Optional                                                   | Optional                                                   | Optional                                                   |
| Shelves / Drawers (Qty)        |                                                    | Shelves/3                                                  | Shelves / 3                                                | Shelves / 3                                                | Shelves / 3                                                | Shelves / 3                                                |
| Optional Frozen Racks (Qty)    | Racks                                              | 12(4*4)                                                    | 8(5*4)+8(4*4)                                              | 16(5*5)                                                    | 18(5*4)+6(6*4)                                             | 24(5*5)                                                    |
|                                | Boxes (2 Inches)                                   | 192                                                        | 288                                                        | 400                                                        | 504                                                        | 600                                                        |
|                                | Samples (2ml)                                      | 19200                                                      | 28800                                                      | 40000                                                      | 50400                                                      | 60000                                                      |
| Sound Emission (dB)            |                                                    | 50                                                         | 50                                                         | 53                                                         | 53                                                         | 53                                                         |
| Electricity                    | Voltage / Frequency                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50/60Hz                                  | AC110 / 220V±10%, 50 / 60Hz                                |
|                                | Consumption (W)                                    | 870                                                        | 845                                                        | 815                                                        | 935                                                        | 890                                                        |
| N.W. / G.W. (kg)               |                                                    | 296/306                                                    | 292 / 317                                                  | 335/363.5                                                  | 380/400                                                    | 397 / 430                                                  |
| Package Dimension (W*D*H) (mm) |                                                    | 960*1090*2090                                              | 970*1035*2120                                              | 975*1185*2200                                              | 1330*1015*2200                                             | 1270*1170*2200                                             |

Freezer, -86 °C

ULF86-H110 ULF86-H490



ULF86-H110

Reliability

Imported brand compressor work with mixed refrigerant.  
High density insulation foam layer with better heat preservation effect.  
Optimized self-cascade refrigeration system to provide faster cooling speed with lower power consumption.

Key Features

Mute design for silent environment.  
With the international famous brand computer temperature control system to keep the inner temperature accurate and stable.  
Temperature adjusted from -40 °C ~ -86 °C .  
High / Low temperature alarm, the alarm temperature can be set as needed.  
Platinum resistance temperature sensor, sensing temperature accurately.



Safety door lock design to prevent abnormal door open.



Digital display for easy observation.



Temperature high/low alarm, sensor malfunction alarm.  
Audible and visible alarm.  
Keyboard lockable, password protection to prevent change running parameter randomly.  
Display running parameter with real-time monitoring to guarantee the stability of freezer.

Application

It is suitable for low temperature test of special materials and preservation of plasma, biological materials, vaccines, reagents, biological products, chemical reagents, strains, biological samples, etc.



Specifications

| Model                          |                                                     | ULF86-H110                                                 | ULF86-H490                                                 |
|--------------------------------|-----------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                   |                                                     | 105                                                        | 485                                                        |
| Dimension (W*D*H)              | Internal (mm)                                       | 480*380*665                                                | 1455.5*525.2*674                                           |
|                                | External (mm)                                       | 680*580*935                                                | 1695*840*962                                               |
| Temperature                    | Range ( °C ) at RT. 10 ~ 32 °C                      | -40 ~ -86                                                  | -40 ~ -86                                                  |
|                                | Sensor                                              | PTC                                                        | PTC                                                        |
|                                | Controller                                          | Microprocessor                                             | Microprocessor                                             |
| Cooling System                 | Refrigerant                                         | R4001                                                      | R4001                                                      |
|                                | Defrost                                             | Manual                                                     | Manual                                                     |
|                                | Compressor (Qty)                                    | CUBIGEL / 1                                                | SECOP / 1                                                  |
| Display                        |                                                     | Digital display                                            | Digital display                                            |
| Audible& Visible Alarm         | High / Low temperature                              | Standard                                                   | Standard                                                   |
|                                | High ambient temperature                            | /                                                          | /                                                          |
|                                | Sensor error                                        | Standard                                                   | Standard                                                   |
|                                | Abnormal voltage                                    | /                                                          | /                                                          |
|                                | Low battery                                         | /                                                          | /                                                          |
|                                | Power failure backup system(alarm)                  | /                                                          | /                                                          |
|                                | Door ajar                                           | /                                                          | /                                                          |
|                                |                                                     |                                                            |                                                            |
| Material                       | Internal                                            | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 |
|                                | External                                            | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
|                                | Inner door                                          | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 |
| Accessories                    | USB port                                            | /                                                          | /                                                          |
|                                | Casters                                             | Standard                                                   | Standard                                                   |
|                                | Chart recorder                                      | /                                                          | /                                                          |
|                                | Temperature Temperature data logger                 | Optional                                                   | Optional                                                   |
|                                | Remote alarm port                                   | /                                                          | /                                                          |
|                                | Test hole (Qty) / Diameter (mm)                     | 1 / 25                                                     | 1 / 25                                                     |
|                                | Back up system (CO <sub>2</sub> / LN <sub>2</sub> ) | /                                                          | /                                                          |
|                                |                                                     |                                                            |                                                            |
| Shelves / Drawers (Qty)        |                                                     | /                                                          | /                                                          |
| Optional Frozen Racks (Qty)    | Racks                                               | 2(11*1)+2(6*1)                                             | 24(11*1)+6(6*1)                                            |
|                                | Boxes (2 Inches)                                    | 34                                                         | 300                                                        |
|                                | Samples (2ml)                                       | 3400                                                       | 30000                                                      |
| Sound Emission (dB)            |                                                     | 50                                                         | 54.5                                                       |
| Electricity                    | Voltage / Frequency                                 | AC110 / 220V±10%, 50 / 60Hz                                | AC110/220V±10%, 50 / 60Hz                                  |
|                                | Consumption (W)                                     | 500                                                        | 670                                                        |
| N.W. / G.W. (kg)               |                                                     | 65/90                                                      | 130/150                                                    |
| Package Dimension (W*D*H) (mm) |                                                     | 770*760*1040                                               | 1770*900*1100                                              |

Freezer, -60 °C

LF60-H110 LF60-H490



LF60-H110

Reliability

High density CFC-free urethane foam insulation.  
The standard 25mm test hole is the hole to insert the sensor into the refrigerator.

Key Features

Chemically stable, CFC-free, commercially available and environmentally safe refrigerant.  
Microprocessor control, adjustable temperature range: -25 °C ~ -60 °C.  
Permanently lubricated cooling fan for safety and longevity.



Digital display for easy observation.



Door lock design to avoid abnormal door open.



Wide voltage tolerance design with applicable voltage range of 187~242V / AC.  
Two types of alarm indications: audible buzzing and visual flashing light.



Specifications

| Model                         |                                                    | LF60-H110                                                  | LF60-H490                                                  |
|-------------------------------|----------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                  |                                                    | 105                                                        | 485                                                        |
| Dimension (W*D*H)             | Internal (mm)                                      | 480*380*665                                                | 1455*525*665                                               |
|                               | External (mm)                                      | 680*580*935                                                | 1670*810*930                                               |
| Temperature                   | Range ( °C ) at RT. 10 ~ 32 °C                     | -25 ~ -60                                                  | -25 ~ -60                                                  |
|                               | Sensor                                             | NTC                                                        | PTC                                                        |
|                               | Controller                                         | Microprocessor                                             | Microprocessor                                             |
| Cooling System                | Refrigerant                                        | R4001                                                      | R4001                                                      |
|                               | Defrost                                            | Manual                                                     | Manual                                                     |
|                               | Compressor (Qty)                                   | CUBIGEL / 1                                                | CUBIGEL / 1                                                |
| Display                       |                                                    | Digital display                                            | Digital display                                            |
| Audible& Visible Alarm        | High/Low temperature                               | Standard                                                   | Standard                                                   |
|                               | High ambient temperature                           | /                                                          | /                                                          |
|                               | Sensor error                                       | Standard                                                   | Standard                                                   |
|                               | Abnormal voltage                                   | /                                                          | /                                                          |
|                               | Low battery                                        | /                                                          | /                                                          |
|                               | Power failure backup system(alarm)                 | /                                                          | /                                                          |
| Material                      | Internal                                           | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 |
|                               | External                                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
| Accessories                   | USB port                                           | /                                                          | /                                                          |
|                               | Casters                                            | Standard                                                   | Standard                                                   |
|                               | Chart recorder                                     | /                                                          | /                                                          |
|                               | Temperature Temperature data logger                | /                                                          | /                                                          |
|                               | Remote alarm port                                  | /                                                          | /                                                          |
|                               | Test hole (Qty) / Diameter (mm)                    | 1 / 25                                                     | 1 / 25                                                     |
|                               | Back up system (CO <sub>2</sub> /LN <sub>2</sub> ) | /                                                          | /                                                          |
| Shelves / Drawers (Qty)       |                                                    | /                                                          | /                                                          |
| Sound Emission (dB)           |                                                    | 53                                                         | 53                                                         |
| Electricity                   | Voltage / Frequency                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                |
|                               | Consumption (W)                                    | 380                                                        | 600                                                        |
| N.W. / G.W. (kg)              |                                                    | 124 / 70                                                   | 122 / 149                                                  |
| Package Dimension (W*D*H)(mm) |                                                    | 770*710*1090                                               | 1775*900*1050                                              |

Freezer, -40 °C, Vertical Type

LF40-270E LF40-280E LF40-330E



LF40-330E

Key Features

High density CFC-free urethane foam insulation.



Microprocessor control, digital display, adjustable temperature range: -20 °C ~ -40 °C.  
Digital display for easy observation.



Independent inner door or drawers to avoid more cooling leakage, and provide more stable inside temperature performance.



Permanently lubricated cooling fan for safety and longevity.



Lockable caster design for customer to move as needed.

Reliability

Chemically stable, CFC-free, commercially available and environmentally safe refrigerant.  
Optimized refrigeration system designed to maximize cooling effect and temperature uniformity.



Multiple malfunction alarms to detect high and low temperature, sensor error, power off, temperature controller malfunction, door ajar.  
Two types of alarm indications: audible buzzing and visual flashing light.  
Corrosion proof cabinet interior design.  
Power failure protect: the device would be attack by the high current when all devices in the lab restart simultaneously, the start-delay function would protect device from the damage.

Application

It is suitable for low temperature test of special materials and preservation of plasma, biological materials, vaccines, reagents, biological products, chemical reagents, strains, biological samples, etc.

Optional

USB and temperature recorder.



Specifications

| Model                          |                                    | LF40-270E                                                  | LF40-280E                                                  | LF40-330E                                                  |
|--------------------------------|------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                   |                                    | 268                                                        | 278                                                        | 328                                                        |
| Dimension (W*D*H)              | Internal (mm)                      | 508*455*1137                                               | 480*415*1460                                               | 508*455*1393                                               |
|                                | External (mm)                      | 673*676*1630                                               | 659*600*1694                                               | 673*676*1886                                               |
| Temperature                    | Range ( °C ) at RT. 10 ~ 32 °C     | -20 ~ -40                                                  | -20 ~ -40                                                  | -20 ~ -40                                                  |
|                                | Sensor                             | NTC                                                        | NTC                                                        | NTC                                                        |
|                                | Controller                         | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             |
| Cooling System                 | Refrigerant                        | R290 (CFC Free )                                           | R290 (CFC Free )                                           | R290 (CFC Free )                                           |
|                                | Defrost                            | Manual                                                     | Manual                                                     | Manual                                                     |
|                                | Compressor (Qty)                   | CUBIGEL / 1                                                | CUBIGEL / 1                                                | CUBIGEL / 1                                                |
| Display                        |                                    | Digital display                                            | Digital display                                            | Digital display                                            |
| Audible &Visible Alarm         | High / Low temperature             | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | High ambient temperature           | /                                                          | /                                                          | /                                                          |
|                                | Sensor error                       | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Low battery                        | /                                                          | /                                                          | /                                                          |
|                                | Power failure backup system(alarm) | 8h                                                         | /                                                          | 8h                                                         |
| Material                       | Internal                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
|                                | External                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
| Accessories                    | USB port                           | Optional                                                   | /                                                          | Optional                                                   |
|                                | Castors                            | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Remote alarm port                  | Standard                                                   | /                                                          | Standard                                                   |
|                                | Test hole (Qty) / Diameter (mm)    | 2 / 20                                                     | 2 / 20                                                     | 2/20                                                       |
| Shelves / Drawers (Qty)        |                                    | Shelves / 3                                                | Drawers / 7                                                | Shelves / 4                                                |
| Sound Emission (dB)            |                                    | 48                                                         | 50                                                         | 48                                                         |
| Electricity                    | Voltage / Frequency                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                |
|                                | Consumption (W)                    | 309                                                        | 280                                                        | 330                                                        |
| N.W. / G.W. (kg)               |                                    | 98.5 / 122                                                 | 110 / 120                                                  | 104 / 126                                                  |
| Package Dimension (W*D*H) (mm) |                                    | 770*770*1804                                               | 720*690*1820                                               | 750*760*2030                                               |

# Freezer, -40 °C, Vertical Type

LF40-360 LF40-530 LF40-940 CRF40-370



LF40-360

## Reliability

- Chemically stable, CFC-free, commercially available and environmentally safe refrigerant.
- Optimized refrigeration system designed to maximize cooling effect and temperature uniformity.
- Microprocessor control, digital display, adjustable temperature range: -20 °C ~ -40 °C.
- Digital display for easy observation.

- Multiple malfunction alarms to detect high and low temperature, sensor error, power off, temperature controller malfunction, door ajar.
- Two types of alarm indications: audible buzzing and visual flashing light.
- Corrosion proof cabinet interior design.
- Power failure protect: the device would be attack by the high current when all devices in the lab restart simultaneously, the start-delay function would protect device from the damage.

## Key Features

Height-adjustable shelf trays allow you to adjust the inside of the chambers according to the size of the samples.

By changing the height of the shelf trays, the unit can accommodate various sizes of samples including stored in your conventional models.

Equipped with separate doors or drawers that suppress the leakage of cold air during opening and closing of the doors, and manual defrosting that helps avoid temperature impact on the samples.

Door latch with provision for a padlock for extra protection of samples.

## Application

It is suitable for low temperature test of special materials and preservation of plasma, biological materials, vaccines, reagents, biological products, chemical reagents, strains, biological samples, etc.

Optional

USB and temperature recorder.

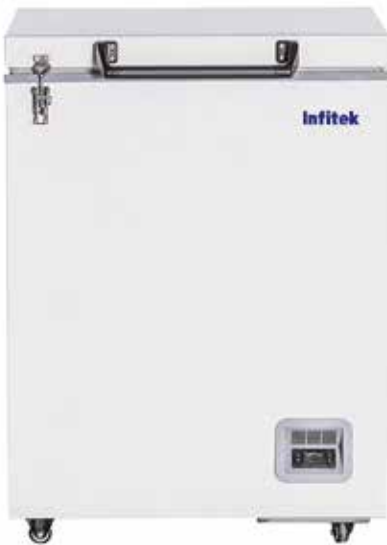
Specifications



| Model                          |                                    | LF40-360                                                   | LF40-530                                                   | LF40-940                                                   | CRF40-370                                                  |
|--------------------------------|------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                   |                                    | 358                                                        | 528                                                        | 936                                                        | 368                                                        |
| Dimension (W*D*H)              | Internal (mm)                      | (466*636*625)*2                                            | (651*631.5*635)*2                                          | 1000*700*1335                                              | F:580*626*625; R:466*636*625                               |
|                                | External (mm)                      | 720*830*1870                                               | 900*818*1875                                               | 1304*1000*2017                                             | 720*830*1870                                               |
| Temperature                    | Range (℃) at RT. 10 ~ 32℃          | -20 ~ -40                                                  | -20 ~ -40                                                  | -25 ~ -40                                                  | F:-20 ~ -40 R:2 ~ 8                                        |
|                                | Sensor                             | NTC                                                        | NTC                                                        | PTC                                                        | NTC                                                        |
|                                | Controller                         | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             |
| Cooling Stystem                | Refrigerant                        | R290 (CFC Free )                                           | R290 (CFC Free )                                           | R290 (CFC Free )                                           | R290 (CFC Free )                                           |
|                                | Defrost                            | Manual                                                     | Manual                                                     | Manual                                                     | Manual                                                     |
|                                | Compressor (Qty)                   | CUBIGEL / 2                                                | CUBIGEL / 1                                                | SECOP / 2                                                  | CUBIGEL / 1, HUAYI / 1                                     |
| Display                        |                                    | Digital display                                            | Digital display                                            | Digital display                                            | Digital display                                            |
| Audible&Visible Alarm          | High / Low temperature             | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | High ambient temperature           | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Sensor error                       | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Low battery                        | /                                                          | /                                                          | Standard                                                   | /                                                          |
|                                | Power failure backup system(alarm) | 8h                                                         | 8h                                                         | 72h                                                        | 8h                                                         |
| Material                       | Internal                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Stainless steel, grade 304                                 | Electro-galvanized steel with antimicrobial powder coating |
|                                | External                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
| Accessories                    | USB port                           | Standard                                                   | Standard                                                   | Optional                                                   | Standard                                                   |
|                                | Casters                            | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Remote alarm port                  | Optional                                                   | Standard                                                   | Standard                                                   | Optional                                                   |
|                                | Test hole (Qty) / Diameter (mm)    | 2 / 20                                                     | 2 / 20                                                     | 2 / 20                                                     | 2 / 20                                                     |
| Shelves / Drawers (Qty)        |                                    | Shelves / 4, Drawers / 12                                  | Shelves / 4 , Drawers / 18                                 | Shelves / 3                                                | Shelves / 3 , Drawers / 6                                  |
| Sound Emission (dB)            |                                    | 49                                                         | 55                                                         | 50                                                         | 50                                                         |
| Electricity                    | Voltage / Frequency                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                |
|                                | Consumption (W)                    | 345                                                        | 452                                                        | 1000                                                       | 458                                                        |
| N.W. / G.W. (kg)               |                                    | 138 / 178                                                  | 192 / 212                                                  | 372 / 416                                                  | 138 / 178                                                  |
| Package Dimension (W*D*H) (mm) |                                    | 780*920*1990                                               | 980*930*2020                                               | 1370*1110*2200                                             | 780*920*2000                                               |

Freezer, -40 °C, Chest Freezer

LF40-H110 LF40-H310 LF40-H490



LF40-H110

Reliability

Chemically stable, CFC-free, commercially available and environmentally safe refrigerant.

Optimized refrigeration system designed to maximize cooling effect and temperature uniformity.

Wide voltage tolerance design with applicable voltage range of 187~242V/AC.

Key Features

Microprocessor control, adjustable temperature range: -20 °C ~ -40 °C.

Permanently lubricated cooling fan for safety and longevity.

High density CFC-free urethane foam insulation.

Standard testing hole.



Digital display for easy observation.



Door lock design to avoid abnormal door open.



Multiple malfunction alarms to detect high and low temperature, sensor error, power off, temperature controller malfunction.

Two types of alarm indications: Audible buzzing and visual flashing light.

Corrosion proof cabinet interior design.

Power failure protect: The device would be attack by the high current when all devices in the lab restart simultaneously, the start-delay function would protect device from the damage.

Application

It is suitable for low temperature test of special materials and preservation of plasma, biological materials, vaccines, reagents, biological products, chemical reagents, strains, biological samples, etc.



Specifications

| Model                          |                                    | LF40-H110                                                  | LF40-H310                                                  | LF40-H490                                                  |
|--------------------------------|------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                   |                                    | 105                                                        | 305                                                        | 485                                                        |
| Dimension (W*D*H)              | Internal (mm)                      | 480*380*665                                                | 1000*520*665                                               | 1455*525*665                                               |
|                                | External (mm)                      | 694*686*942                                                | 1210*833*941                                               | 1667*863*949                                               |
| Temperature                    | Range ( °C ) at RT. 10 ~ 32 °C     | -20 ~ -40                                                  | -20 ~ -40                                                  | -20 ~ -40                                                  |
|                                | Sensor                             | NTC                                                        | NTC                                                        | NTC                                                        |
|                                | Controller                         | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             |
| Cooling System                 | Refrigerant                        | R290 (CFC Free )                                           | R290 (CFC Free )                                           | R290 (CFC Free )                                           |
|                                | Defrost                            | Manual                                                     | Manual                                                     | Manual                                                     |
|                                | Compressor (Qty)                   | CUBIGEL / 1                                                | CUBIGEL / 1                                                | CUBIGEL / 1                                                |
| Display                        |                                    | Digital display                                            | Digital display                                            | Digital display                                            |
| Audible & Visible Alarm        | High / Low temperature             | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | High ambient temperature           | /                                                          | /                                                          | /                                                          |
|                                | Sensor error                       | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Low battery                        | /                                                          | /                                                          | /                                                          |
|                                | Power failure backup system(alarm) | 12h                                                        | 12h                                                        | 12h                                                        |
| Material                       | Internal                           | Stainless steel, grade 304                                 | Electro-galvanized steel with antimicrobial powder coating | Stainless steel, grade 304                                 |
|                                | External                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
| Accessories                    | USB port                           | /                                                          | /                                                          | /                                                          |
|                                | Casters                            | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Remote alarm port                  | /                                                          | /                                                          | /                                                          |
|                                | Test hole (Qty) / Diameter (mm)    | 2 / 20                                                     | 2 / 20                                                     | 2 / 20                                                     |
| Shelves / Drawers (Qty)        |                                    | /                                                          | /                                                          | /                                                          |
| Sound Emission (dB)            |                                    | 50                                                         | 52                                                         | 55                                                         |
| Electricity                    | Voltage / Frequency                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                |
|                                | Consumption (W)                    | 160                                                        | 162                                                        | 300                                                        |
| N.W. / G.W. (kg)               |                                    | 62 / 70                                                    | 80 / 85                                                    | 124 / 138                                                  |
| Package Dimension (W*D*H) (mm) |                                    | 770*705*1090                                               | 1300*870*1100                                              | 1760*880*1070                                              |

# Freezer, -25 °C, Vertical Type

**LF25-100**  
**LF25-360**  
**CRF25-370**

**LF25-270E**  
**LF25-530**

**LF25-280W**  
**LF25-940**

**LF25-330E**  
**CRF25-300**



LF25-360

## Reliability

Chemically stable, CFC-free, commercially available and environmentally, safe refrigerant.

High density CFC-free urethane foam insulation for rigidity and stable storage temperature.

Microprocessor control, adjustable temperature range: -10 °C ~ -25 °C.

Digital display for easy observation.

Wide voltage tolerance design with applicable voltage range of 187-242V/AC.

## Key Features



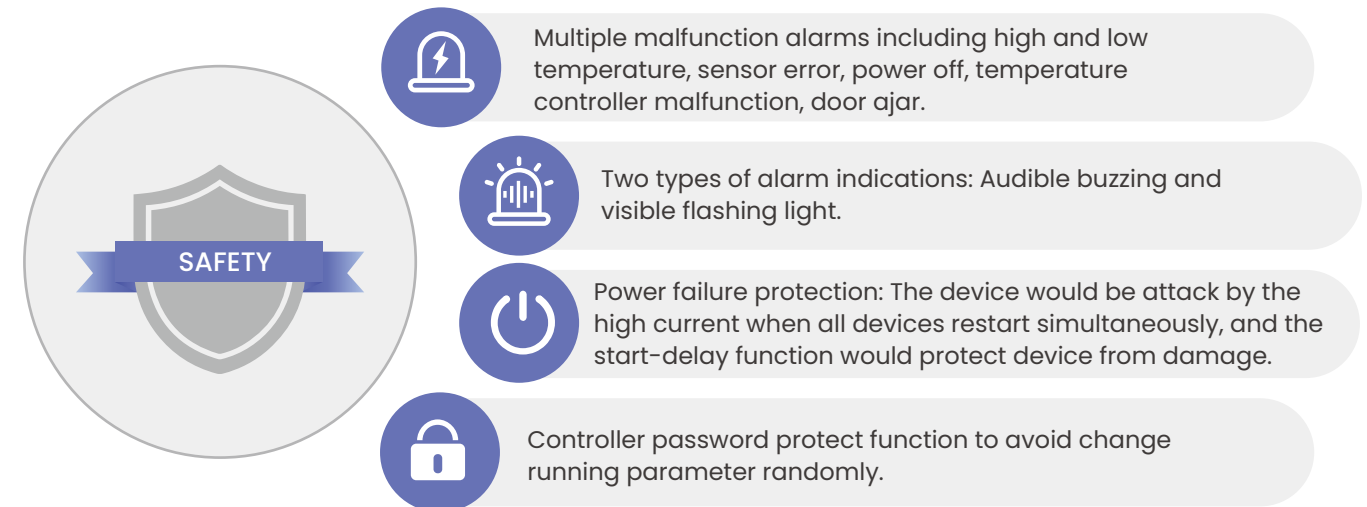
Independent inner door to avoid more cooling leakage, and provide more stable inside temperature performance.



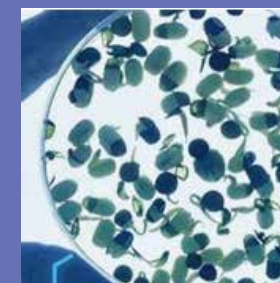
Lockable caster design for customer to move as needed.



Upright side door with build-in handle for easy-opening; limit door hinge to prevent collision when door open.



## Application



It can be used to preserve plasma, biological materials, vaccines, reagents, etc. And it is suitable for scientific research institutes, electronic, chemical and other enterprise laboratories, blood stations, hospitals, disease prevention and control centers and animal.



Specifications

| Model                          |                                     | LF25-100                                                   | LF25-270E                                                  | LF25-280W                                                  | LF25-330E                                                  | LF25-360                                                   |
|--------------------------------|-------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                   |                                     | 100                                                        | 268                                                        | 278                                                        | 328                                                        | 358                                                        |
| Dimension (W*D*H)              | Internal (mm)                       | 410*410*670                                                | 508*455*1137                                               | 480*415*1460                                               | 508*455*1393                                               | (466×636×625)*2                                            |
|                                | External (mm)                       | 540*553*877                                                | 673*676*1620                                               | 659*600*1694                                               | 673*676*1886                                               | 720*830*1870                                               |
| Temperature                    | Range ( °C ) at RT. 10 ~ 32 °C      | -10 ~ -25                                                  | -10 ~ -25                                                  | -10 ~ -25                                                  | -10 ~ -25                                                  | -10 ~ -25                                                  |
|                                | Sensor                              | NTC                                                        | NTC                                                        | NTC                                                        | NTC                                                        | NTC                                                        |
|                                | Controller                          | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             |
| Cooling System                 | Refrigerant( CFC Free )             | R600a                                                      | R290                                                       | R290                                                       | R290                                                       | R290                                                       |
|                                | Defrost                             | Manual                                                     | Manual                                                     | Manual                                                     | Manual                                                     | Manual                                                     |
|                                | Compressor (Qty)                    | KY55C45G / 1                                               | CUBIGELN / 1                                               | DONPER / 1                                                 | CUBIGELN / 1                                               | CUBIGELN / 2                                               |
| Display                        |                                     | Digital display                                            | Digital display                                            | Digital display                                            | Digital display                                            | Digital display                                            |
| Audible& Visible Alarm         | High / Low temperature              | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | High ambient temperature            | /                                                          | /                                                          | /                                                          | /                                                          | Standard                                                   |
|                                | Sensor error                        | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Abnormal voltage                    | /                                                          | /                                                          | /                                                          | /                                                          | /                                                          |
|                                | Door ajar                           | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Power failure backup system(alarm)  | 8h                                                         | 8h                                                         | /                                                          | 8h                                                         | 8h                                                         |
| Material                       | Internal                            | HIPS                                                       | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
|                                | External                            | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
| Accessories                    | USB port                            | /                                                          | Optional                                                   | /                                                          | Optional                                                   | Standard                                                   |
|                                | Casters                             | /                                                          | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Temperature Temperature data logger | Optional                                                   | Optional                                                   | Optional                                                   | Optional                                                   | Optional                                                   |
|                                | Remote alarm port                   | /                                                          | Standard                                                   | /                                                          | Standard                                                   | Standard                                                   |
|                                | Test hole (Qty) / Diameter (mm)     | 1 / 25                                                     | 1 / 25                                                     | 1 / 25                                                     | 1 / 25                                                     | 2 / 25                                                     |
| Shelves / Drawers (Qty)        |                                     | Shelves / 3 , Drawers / 4                                  | Shelves / 3                                                | Drawers / 7                                                | Shelves / 4                                                | Shelves / 4 , Drawers / 12                                 |
| Sound Emission (dB)            |                                     | 50                                                         | 46                                                         | 46                                                         | 46                                                         | 49                                                         |
| Electricity                    | Voltage / Frequency                 | AC 110 / 220V ± 10% , 50 / 60Hz                            | AC 110 / 220V ± 10% , 50 / 60Hz                            | AC 110 / 220V ± 10% , 50 / 60Hz                            | AC 110 / 220V ± 10% , 50 / 60Hz                            | AC 110 / 220V ± 10% , 50 / 60Hz                            |
|                                | Consumption (W)                     | 73                                                         | 215                                                        | 195                                                        | 218                                                        | 310                                                        |
| N.W. / G.W. (kg)               |                                     | 32 / 43                                                    | 92 / 120                                                   | 105 / 115                                                  | 104 / 131                                                  | 138/178                                                    |
| Package Dimension (W*D*H) (mm) |                                     | 640*650*1100                                               | 755*755*1750                                               | 710*660*1790                                               | 760*760*2020                                               | 920*790*1980                                               |



Specifications

| Model                          |                                     | CRF25-300                       | CRF25-370                       | LF25-530                                                   | LF25-940                                                   |
|--------------------------------|-------------------------------------|---------------------------------|---------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                   |                                     | R: 198 F: 102                   | R: 183 F: 185                   | 528                                                        | 936                                                        |
| Dimension (W*D*H)              | Internal (mm)                       | R: 565*480*759 F: 461*465*600   | R: 580*626*625 F: 466*636*625   | (651*631.5*635)*2                                          | 1000*700*1335                                              |
|                                | External (mm)                       | 650*620*1980                    | 720*830*1870                    | 900*818*1875                                               | 1304*1000*2017                                             |
| Temperature                    | Range ( °C ) at RT. 10 ~ 32 °C      | F: -10 ~ -25 R: 2 ~ 8           | F: -10 ~ -25 R: 2 ~ 8           | -10 ~ -25                                                  | -10 ~ -25                                                  |
|                                | Sensor                              | NTC                             | NTC                             | NTC                                                        | PTC                                                        |
|                                | Controller                          | Microprocessor                  | Microprocessor                  | Microprocessor                                             | Microprocessor                                             |
| Cooling System                 | Refrigerant( CFC Free )             | R290                            | R290                            | R290                                                       | R404A                                                      |
|                                | Defrost                             | Manual                          | Manual                          | Manual                                                     | Manual                                                     |
|                                | Compressor (Qty)                    | China Brand / 2                 | China Brand / 2                 | MEIZHI / 2                                                 | SECOP / 2                                                  |
| Display                        |                                     | Digital display                 | Digital display                 | Digital display                                            | Digital display                                            |
| Audible&<br>Visible Alarm      | High / Low temperature              | Standard                        | Standard                        | Standard                                                   | Standard                                                   |
|                                | High ambient temperature            | /                               | Standard                        | Standard                                                   | Standard                                                   |
|                                | Sensor error                        | Standard                        | Standard                        | Standard                                                   | Standard                                                   |
|                                | Abnormal voltage                    | /                               | /                               | /                                                          | Standard                                                   |
|                                | Door ajar                           | Standard                        | Standard                        | Standard                                                   | Standard                                                   |
|                                | Power failure backup system(alarm)  | 8h                              | 8h                              | 8h                                                         | 72h                                                        |
| Material                       | Internal                            | Engineering plastics            | SPCC sprayed steel              | Electro-galvanized steel with antimicrobial powder coating | Stainless steel, grade 304                                 |
|                                | External                            | SPCC sprayed steel              | SPCC sprayed steel              | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
| Accessories                    | USB port                            | /                               | Standard                        | Standard                                                   | Optional                                                   |
|                                | Casters                             | Standard                        | Standard                        | Standard                                                   | Standard                                                   |
|                                | Temperature Temperature data logger | Optional                        | Optional                        | Optional                                                   | Optional                                                   |
|                                | Remote alarm port                   | /                               | Standard                        | Standard                                                   | Standard                                                   |
|                                | Test hole (Qty) / Diameter (mm)     | 2/25                            | 2 / 25                          | 2 / 25                                                     | 1 / 18                                                     |
| Shelves / Drawers (Qty)        |                                     | Shelves / 2 , Drawers / 3       | Shelves / 3 , Drawers / 6       | Shelves / 4 , Drawers / 18                                 | Shelves / 3                                                |
| Sound Emission (dB)            |                                     | 49                              | 50                              | 55                                                         | 50                                                         |
| Electricity                    | Voltage / Frequency                 | AC 110 / 220V ± 10% , 50 / 60Hz | AC 110 / 220V ± 10% , 50 / 60Hz | AC 110 / 220V ± 10% , 50 / 60Hz                            | AC 110 / 220V ± 10% , 50 / 60Hz                            |
|                                | Consumption (W)                     | 349                             | 363                             | 258                                                        | 1000                                                       |
| N.W. / G.W. (kg)               |                                     | 100 / 120                       | 130 / 170                       | 160 / 180                                                  | 378 / 413                                                  |
| Package Dimension (W*D*H) (mm) |                                     | 730*710*2100                    | 775*920*1990                    | 980*930*2020                                               | 1370*1110*2200                                             |

Freezer, -25 °C, Chest Freezer

LF25-H110 LF25-H310 LF25-H490



Reliability

High density CFC-free urethane foam insulation.

The standard 25mm test hole is the hole to insert the sensor into the refrigerator.

Key Features

Chemically stable, CFC-free, commercially available and environmentally safe refrigerant.

Microprocessor control, adjustable temperature range: -10 °C ~ -25 °C

Permanently lubricated cooling fan for safety and longevity.



Digital display for easy observation.



Power failure protect: the device would be attack by the high current when all devicesin the lab restart simultaneously, the start-delay function would protect device from the damage.



Two types of alarm indications: audible buzzing and visual flashing light.



Door lock design to avoid abnormal door open.



Specifications

| Model                        |                                    | LF25-H110                                                  | LF25-H310                                                  | LF25-H490                                                  |
|------------------------------|------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                 |                                    | 105                                                        | 305                                                        | 485                                                        |
| Dimension (W*D*H)            | Internal (mm)                      | 480*380*665                                                | 1000*520*665                                               | 1455*525*665                                               |
|                              | External (mm)                      | 621*588*883                                                | 1140*742*883                                               | 1655*755*915                                               |
| Temperature                  | Range ( °C ) at RT. 10 ~ 32 °C     | -10 ~ -25                                                  | -10 ~ -25                                                  | -10 ~ -25                                                  |
|                              | Sensor                             | NTC                                                        | NTC                                                        | NTC                                                        |
|                              | Controller                         | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             |
| Cooling System               | Refrigerant                        | R290 (CFC Free)                                            | R134a (CFC Free)                                           | R290 (CFC Free)                                            |
|                              | Defrost                            | Manual                                                     | Manual                                                     | Manual                                                     |
|                              | Compressor (Qty)                   | DONPER / 1                                                 | China Brand / 1                                            | CUBIGELN / 1                                               |
| Display                      |                                    | Digital display                                            | Digital display                                            | Digital display                                            |
| Audible &Visible Alarm       | High / Low temperature             | Standard                                                   | Standard                                                   | Standard                                                   |
|                              | High ambient temperature           | /                                                          | /                                                          | /                                                          |
|                              | Sensor error                       | Standard                                                   | Standard                                                   | Standard                                                   |
|                              | Abnormal voltage                   | /                                                          | /                                                          | /                                                          |
|                              | Power failure backup system(alarm) | 12h                                                        | 12h                                                        | 12h                                                        |
|                              | Door ajar                          | /                                                          | /                                                          | /                                                          |
| Material                     | Internal                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Stainless steel, grade 304                                 |
|                              | External                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
| Accessories                  | USB port                           | /                                                          | /                                                          | /                                                          |
|                              | Casters                            | Standard                                                   | Standard                                                   | Standard                                                   |
|                              | Temperature data logger            | Optional                                                   | Optional                                                   | Optional                                                   |
|                              | Remote alarm port                  | /                                                          | /                                                          | /                                                          |
|                              | Test hole (Qty) / Diameter (mm)    | 1 / 25                                                     | 1 / 25                                                     | 1 / 25                                                     |
| Shelves / Drawers (Qty)      |                                    | /                                                          | /                                                          | /                                                          |
| Sound Emission (dB)          |                                    | 46                                                         | 52                                                         | 55                                                         |
| Electricity                  | Voltage / Frequency                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                |
|                              | Consumption (W)                    | 174                                                        | 128                                                        | 295                                                        |
| N.W. / G.W.(kg)              |                                    | 31 / 34                                                    | 66 / 70                                                    | 124 / 138                                                  |
| Package Dimension(W*D*H)(mm) |                                    | 700*640*1010                                               | 1320*890*1125                                              | 1710*885*1020                                              |

# Pharmacy Refrigerator

PR5-60 PR5-100 PR5-250 PR5-315  
PR5-320 PR5-415 PR5-420



## Reliability



Digital display for easy observation.  
Microprocessor control , and  
temperature adjustment with an  
increment of 0.1℃.



Adjustable shelves.



Permanently lubricated cooling fan  
for safety and longevity.



High efficiency specially  
compressor with known field  
proven reliability.



Safety door lock design to avoid  
door ajar.



Inner light design for a clear  
display.



Equipped with a complete temperature alarm system featuring  
audible buzzer and visible flashing light.

Capable of alerting failures due to high and low temperature  
sensor error, door ajar, power failure .

## Key Features

Forced-air cooling with optimized air distribution system  
designed.

Advanced forced-air cooling system to keep inside  
temperature stable and uniform. Finned evaporator with  
special cycle design of forced air cooling system to  
ensure no-frost inside.

To achieve maximum temperature uniformity and  
stability.

Optimized refrigeration system design for more effective  
cooling and speedy recovery.

## Optional

USB and Temperature data logger.

## Application



It is suitable for low temperature test of special materials and preservation of plasma, biological materials, vaccines, reagents, biological products, chemical reagents, strains, biological samples, etc.



PR5-415



Specifications

| Model                          |                                     | PR5-60                                                     | PR5-100                                                    | PR5-250                                                    |
|--------------------------------|-------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                   |                                     | 60                                                         | 100                                                        | 226                                                        |
| Dimension (W*D*H)              | Internal (mm)                       | 410*315*560                                                | 385*356*737                                                | 534*406*1150                                               |
|                                | External (mm)                       | 490*440*710                                                | 505*510*875                                                | 625*574*1707                                               |
| Temperature                    | Range ( C ) at RT. 10 ~ 32 C        | 2 ~ 8                                                      | 2 ~ 8                                                      | 2 ~ 8                                                      |
|                                | Sensor                              | NTC                                                        | NTC                                                        | NTC                                                        |
|                                | Controller                          | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             |
| Cooling Stystem                | Refrigerant                         | R600a (CFC Free )                                          | R600a (CFC Free )                                          | R600a (CFC Free )                                          |
|                                | Defrost                             | Auto                                                       | Auto                                                       | Auto                                                       |
|                                | Compressor qty                      | 1                                                          | 1                                                          | 1                                                          |
| Display                        |                                     | Digital display                                            | Digital display                                            | Digital display                                            |
| Audible &Visible Alarm         | High / Low temperature              | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | High ambient temperature            | /                                                          | /                                                          | /                                                          |
|                                | Abnormal voltage                    | /                                                          | /                                                          | /                                                          |
|                                | Power failure backup system(alarm)  | 8h                                                         | 10h                                                        | 8h                                                         |
|                                | Door ajar                           | Standard                                                   | Standard                                                   | Standard                                                   |
| Material                       | Internal                            | Electro-galvanized steel with antimicrobial powder coating | HIPS                                                       | HIPS                                                       |
|                                | External                            | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
| Accessories                    | USB port                            | /                                                          | /                                                          | Optional                                                   |
|                                | Casters                             | /                                                          | Standard                                                   | Standard                                                   |
|                                | Chart recorder                      | /                                                          | /                                                          | /                                                          |
|                                | Temperature Temperature data logger | Optional                                                   | Optional                                                   | Optional                                                   |
|                                | Remote alarm port                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Test hole (Qty) / Diameter (mm)     | 1 / 25                                                     | 1 / 25                                                     | 1 / 25                                                     |
| Shelves / Drawers (Qty)        |                                     | Shelves / 2                                                | Shelves / 3                                                | Shelves / 4                                                |
| Sound Emission (dB)            |                                     | 50                                                         | 50                                                         | 50                                                         |
| Electricity                    | Voltage / Frequency                 | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                |
|                                | Consumption (W)                     | 75                                                         | 80                                                         | 221                                                        |
| N.W. / G.W. (kg)               |                                     | 33 / 37                                                    | 35 / 38                                                    | 73 / 76                                                    |
| Package Dimension (W*D*H) (mm) |                                     | 550*515*800                                                | 575*560*930                                                | 735*685*1850                                               |

Specifications



| Model                          |                                     | PR5-315                                                    | PR5-320                                                    | PR5-415                                                    | PR5-420                                                    |
|--------------------------------|-------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                   |                                     | 316                                                        | 316                                                        | 416                                                        | 416                                                        |
| Dimension (W*D*H)              | Internal (mm)                       | 540*425*1380                                               | 540*425*1380                                               | 685*429*1380                                               | 685*429*1380                                               |
|                                | External (mm)                       | 640*554*1925                                               | 640*554*1925                                               | 785*552*1927                                               | 785*552*1927                                               |
| Temperature                    | Range ( C ) at RT. 10 ~ 32 C        | 2 ~ 8                                                      | 2 ~ 8                                                      | 2 ~ 8                                                      | 2 ~ 8                                                      |
|                                | Sensor                              | NTC                                                        | NTC                                                        | NTC                                                        | NTC                                                        |
|                                | Controller                          | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             |
| Cooling System                 | Refrigerant                         | R290 (CFC Free )                                           | R290 (CFC Free )                                           | R290 (CFC Free )                                           | R290 (CFC Free )                                           |
|                                | Defrost                             | Auto                                                       | Auto                                                       | Auto                                                       | Auto                                                       |
|                                | Compressor qty                      | 1                                                          | 1                                                          | 1                                                          | 1                                                          |
| Display                        |                                     | Digital display                                            | Digital display                                            | Digital display                                            | Digital display                                            |
| Audible &Visible Alarm         | High / Low temperature              | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | High ambient temperature            | Standard                                                   | /                                                          | Standard                                                   | /                                                          |
|                                | Abnormal voltage                    | /                                                          | /                                                          | /                                                          | /                                                          |
|                                | Power failure backup system(alarm)  | 72h                                                        | 8h                                                         | 72h                                                        | 8h                                                         |
|                                | Door ajar                           | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
| Material                       | Internal                            | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
|                                | External                            | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
| Accessories                    | USB port                            | Standard                                                   | Optional                                                   | Standard                                                   | Optional                                                   |
|                                | Casters                             | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Chart recorder                      | /                                                          | /                                                          | /                                                          | /                                                          |
|                                | Temperature Temperature data logger | Optional                                                   | Optional                                                   | Optional                                                   | Optional                                                   |
|                                | Remote alarm port                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Test hole (Qty) / Diameter (mm)     | 1 / 25                                                     | 1 / 25                                                     | 1 / 25                                                     | 1 / 25                                                     |
| Shelves / Drawers (Qty)        |                                     | Shelves / 6, Basket / 1                                    | Shelves / 5                                                | Shelves / 6 , Basket / 1                                   | Shelves / 5                                                |
| Sound Emission (dB)            |                                     | 50                                                         | 50                                                         | 50                                                         | 50                                                         |
| Electricity                    | Voltage / Frequency                 | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                |
|                                | Consumption (W)                     | 294                                                        | 286                                                        | 330                                                        | 330                                                        |
| N.W. / G.W. (kg)               |                                     | 92.5 / 100                                                 | 101 / 112                                                  | 120 / 133                                                  | 120 / 145                                                  |
| Package Dimension (W*D*H) (mm) |                                     | 720*690*2040                                               | 715*680*2030                                               | 870*670*2070                                               | 870*660*2070                                               |

# Pharmacy Refrigerator

PR5-416EX



## Key Features

- Anti-explosion compressor and controller system to protect inner storage more safely.
- Specially designed forced-air cooling system, ensure frost-free cabinet and good temperature uniformity.
- Accurate temperature controller, ensure the inside temperature within 2~8°C and accuracy 0.1 °C.
- Suggested ambient temperature: 10~32°C.
- 4 casters for easy moving and fixation.

## Reliability

- Wide available voltage range: 187V~242V.
- Foamed door with for better heat protection
- Color spray steel plate inner chamber for friendly using and easy cleaning.
- 5 adjustable steel wire shelves for easy storing.
- Special designed service-free drainage system, ensure no water in the cabinet.
- Auto on/off LED light with manual switch on control panel.

Safety door lock and controller setting password to prevent unauthorized access.

Build-in back-up battery to display temperature and to operate audible and visual alarm system for up to 8 hours without AC power.

Auto on/off cooling fan to prevent cold air from leaking out when the door is opening.

Visual and audible alarm system: High/low temperature, power failure, sensor failure, door ajar

Power failure protection: turn on delay of the cooling system after power failure.

Controller error protection: the cooling system will remember the normal working cycle and keep working depending on this memory when controller or two sensor failed.

Keyboard lock, password protection to avoid set parameter randomly.

## Application

It is specially designed to store medicines,vaccines,reagents and bio-medical products with anti explosion function.

## Optional

Temperature recorder



## Specification

| Model                          |                                     | PR5-416EX           |
|--------------------------------|-------------------------------------|---------------------|
| Capacity (L)                   |                                     | 416                 |
| Dimension(W*D*H)               | Internal (mm)                       | 685*429*1380        |
|                                | External (mm)                       | 785*552*1927        |
| Temperature                    | Range ( °C )                        | 2~8                 |
|                                | Sensor                              | PT100               |
|                                | Controller                          | Microprocessor      |
| Cooling system                 | Refrigerant                         | R290a               |
|                                | Defrost                             | Frost free          |
|                                | Compressor qty.                     | 1                   |
| Display                        |                                     | Digital display     |
| Audible &Visible Alarm         | High/Low temperature                | Standard            |
|                                | High ambient temperature            | Standard            |
|                                | Abnormal voltage                    | Standard            |
|                                | Power failure backup system(alarm)  | Standard            |
|                                | Door ajar                           | Standard            |
| Material                       | Internal                            | SUS                 |
|                                | External                            | Powder coated steel |
| Accessories                    | USB port                            | Standard            |
|                                | Casters                             | Standard            |
|                                | Chart recorder                      | /                   |
|                                | Temperature Temperature data logger | Optional            |
|                                | Test hole (Qty) / Diameter (mm)     | 1/25                |
| Shelves / Drawers (Qty)        |                                     | Shelves / 5         |
| Sound Emission (dB)            |                                     | 45dB                |
| Electricity                    | Voltage/Frequency(V/Hz)             | 220/50              |
|                                | Consumption (W)                     | 290                 |
| N.W./G.W. (Kg)                 |                                     | 150/165             |
| Package Dimension (W*D*H) (mm) |                                     | 870*660*2070        |

# Pharmacy Refrigerator, Double Door / Three Door, 2~8 °C

PR5-660   PR5-1000   PR5-1500



## Reliability

Advanced foiced-air cooling system to keep inside temperature stable and uniform. Finned evaporator with special cycle design of foiced-air cooling system to ensure no-frost inside.

To achieve maximum temperature uniformity and stability.

Optimized refrigeration system design for more effective cooling and speedy recovery.

Adjustable temperature range 2-8 °C .

Microprocessor control, and temperature adjustment with an increment of 0.1 °C .

## Key Features



Digital display for easy viewing.



Adjustable shelves.



High efficiency specially compressor with known field proven reliability.



Safety door lock design to avoid door ajar.



Permanently lubricated cooling fan for safety and longevity.



Inner light design for a clear display.



Equipped with a complete temperature alarm system featuring audible buzzer and visible flashing light.



Capable of alerting failures due to high and low temperature sensor error, door ajar, power failure.

## Optional

USB and Temperature data logger.

## Specifications



| Model                          |                                    | PR5-660                                                    | PR5-1000                                                   | PR5-1500                    |
|--------------------------------|------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-----------------------------|
| Capacity (L)                   |                                    | 656                                                        | 1006                                                       | 1500                        |
| Dimension (W*D*H)              | Internal (mm)                      | 1100*454*1325                                              | 1100*684*1325                                              | 1680*595*1312               |
|                                | External (mm)                      | 1220*630*1885                                              | 1220*860*1885                                              | 1800*775*1965               |
| Temperature                    | Range ( °C ) at RT. 10 ~ 32 °C     | 2~8 ( Optional 2~10 ; 2~14)                                | 2~8 ( Optional 2~10 ; 2~14)                                | 2~8 ( Optional 2~10 ; 2~14) |
|                                | Sensor                             | NTC                                                        | NTC                                                        | NTC                         |
|                                | Controller                         | Microprocessor                                             | Microprocessor                                             | Microprocessor              |
| Cooling Stystem                | Refrigerant                        | R290 (CFC Free )                                           | R290 (CFC Free )                                           | R134a(CFC Free )            |
|                                | Defrost                            | Auto                                                       | Auto                                                       | Auto                        |
|                                | Compressor (Qty)                   | China Brand / 1                                            | China Brand / 1                                            | SECOP / 1                   |
| Display                        |                                    | Digital display                                            | Digital display                                            | Digital display             |
| Audible &Visible Alarm         | High/Low temperature               | Standard                                                   | Standard                                                   | Standard                    |
|                                | Power failure backup system(alarm) | 8h                                                         | 8h                                                         | 8h                          |
|                                | Door ajar                          | Standard                                                   | Standard                                                   | Standard                    |
| Material                       | Internal                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Stainless steel, grade 304  |
|                                | External                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Stainless steel, grade 304  |
| Accessories                    | USB port                           | Optional                                                   | Optional                                                   | Optional                    |
|                                | Remote alarm port                  | Standard                                                   | Standard                                                   | Standard                    |
|                                | Test hole (Qty) / Diameter (mm)    | 1 / 25                                                     | 1 / 25                                                     | Optional                    |
| Shelves / Drawers (Qty)        |                                    | Shelves / 10                                               | Shelves / 10                                               | Shelves / 12                |
| Sound Emission (dB)            |                                    | 52                                                         | 53                                                         | 55                          |
| Electricity                    | Voltage / Frequency                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz |
|                                | Consumption (W)                    | 403                                                        | 400                                                        | 1065                        |
| N.W. / G.W. (kg)               |                                    | 166 / 184                                                  | 189 / 213                                                  | 245 / 280                   |
| Package Dimension (W*D*H) (mm) |                                    | 1290*680*1950                                              | 1330*970*2130                                              | 1890*820*2170               |

# Pharmacy Refrigerator

PR5-370



## Application

It is suitable for pharmacies, pharmaceutical factories, hospitals, clinics, scientific research institutes, centers for disease prevention and control and other industrial institutions, used to store medicines, reagents, vaccines, biological products, etc.



## Features



### Temperature control system

- LED display, display accuracy attains 0.1℃;
- Forced air cooling system, the inner temperature can stay at the range of 2 to 8℃.



### Refrigeration system

- Famous brand compressor and fan electromotor;
- Optimized evaporation system and condensation system;
- Inside forced air cooling system, stable inner temperature;
- CFC-free refrigerant, environment protection.



### Humanized design

- Safety door lock prevents arbitrary open;
- Off-line coating glass door can prevent door condensation;
- LED lighting design, has a full display of contents inside freezer, energy conservation and environmental protection;
- Equipped with thermometer hole, can inspect the inner temperature;
- Multi-layer shelves, can adjust clearance as needed;
- Frost-free design, condensate water can evaporate automatically;
- Universal caster with locking function design at the bottom, free to move and easy to fix.



### Security control system

- Multi malfunction alarms:high temperature alarm, low temperature alarm, sensor malfunction alarm, door opening alarm;
- Two alarming methods: buzzer alarming, light flashing alarming;

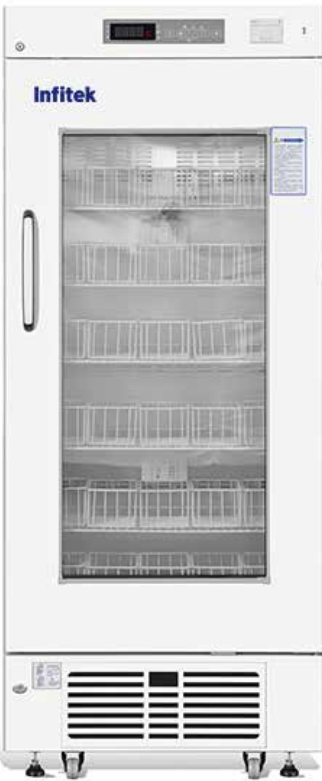
## Specification



| Model                          |                                     | PR5-370           |
|--------------------------------|-------------------------------------|-------------------|
| Capacity (L)                   |                                     | 370               |
| Dimension (W*D*H)              | Internal (mm)                       | 565*525*1344      |
|                                | External (mm)                       | 676*730*1935      |
| Temperature                    | Range (℃) at RT.10~32℃              | 2~8               |
|                                | Sensor                              | NTC               |
|                                | Controller                          | Microprocessor    |
| Cooling System                 | Refrigerant                         | R600a (CFC Free ) |
|                                | Defrost                             | Auto              |
|                                | Compressor (Qty)                    | 1                 |
| Display                        |                                     | LED display       |
| Audible&Visible Alarm Material | High/Low temperature                | Standard          |
|                                | High ambient temperature            | Standard          |
|                                | Abnormal voltage                    | No                |
|                                | Power failure backup system(alarm)  | 48h, optional     |
|                                | Door ajar                           | Standard          |
| Material                       | Internal                            | PS plate          |
|                                | External                            | Steel plate       |
| Accessories                    | USB port                            | Optional          |
|                                | Castors                             | Standard          |
|                                | Chart recorder                      | Optional          |
|                                | Temperature Temperature data logger | Optional          |
|                                | Remote alarm port                   | Optional          |
|                                | Test hole (Qty) / Diameter (mm)     | 1/30              |
| Shelves / Drawers (Qty)        |                                     | Shelves/4         |
| Sound Emission (dB)            |                                     | 52                |
| Electricity                    | Voltage/Frequency                   | AC220V,50Hz       |
|                                | Consumption (W)                     | 200               |
| N.W./G.W. (Kg)                 |                                     | 94/105            |
| Package Dimension (W*D*H) (mm) |                                     | 730*780*2140      |

# Blood Refrigerator, Single Door / Double Door

BR4-110 BR4-210 BR4-370 BR4-660 BR4-1000



BR4-370

## Key Features

- Inner light design for a clear display.
- High-tech integrated sensors to display and control temperature.
- Microprocessor controlled forced-air cooling with electrical heat compensation system.



Digital display for easy observation.



Storage space designed for easy sorting of various blood products.



Safety lock to prevent unauthorized access.



Auto-defrost to remove moisture on cooling surface.



Caster design and leveling legs.

- Build-in backup battery to display temperature and to operate audible and visual alarm systems for up to 72 hours without AC power.
- Equipped with a complete temperature alarm system featuring audible buzzer and visible flashing light.
- Five alarm conditions: High / Low temperature, sensor error alarm, power failure alarm for 72 hours, low battery alarm , door ajar alarm.
- Standard with laser printer.  
Standard with acrylic inner small door, for less affection on other room when one door open.

## Application



Professional refrigerator to store blood, as well as medicines and bio products.  
Suitable for blood banks, hospitals, CDCs.

BR4-110 BR4-210 BR4-370  
Blood Refrigerator, Single Door

BR4-660 BR4-1000  
Blood Refrigerator, Double Door

Specifications



| Model                          |                                    | BR4-110                                                    | BR4-210                                                    | BR4-370                                                    | BR4-660                                                    | BR4-1000                                                   |
|--------------------------------|------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Capacity (L)                   |                                    | 108                                                        | 208                                                        | 368                                                        | 658                                                        | 1008                                                       |
| Dimension (W*D*H)              | Internal (mm)                      | 432*462*478                                                | 432*462*978                                                | 685*429*1380                                               | 1100*454*1325                                              | 1100*684*1325                                              |
|                                | External (mm)                      | 522*635*1050                                               | 522*635*1550                                               | 785*565*1920                                               | 1220*635*1885                                              | 1220*865*1885                                              |
| Temperature                    | Range (℃) at RT. 10 ~ 32℃          | 4 ± 1                                                      | 4 ± 1                                                      | 4 ± 1                                                      | 4 ± 1                                                      | 4 ± 1                                                      |
|                                | Sensor                             | NTC                                                        | NTC                                                        | NTC                                                        | NTC                                                        | NTC                                                        |
|                                | Controller                         | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             | Microprocessor                                             |
| Cooling System                 | Refrigerant                        | R134a (CFC Free )                                          | R134a (CFC Free )                                          | R134a (CFC Free )                                          | R134a (CFC Free )                                          | R134a (CFC Free )                                          |
|                                | Defrost                            | Auto                                                       | Auto                                                       | Auto                                                       | Auto                                                       | Auto                                                       |
|                                | Compressor (Qty)                   | EMBRACO / 1                                                | EMBRACO / 1                                                | EMBRACO / 1                                                | SECOP / 1                                                  | SECOP / 1                                                  |
| Display                        |                                    | Digital display                                            | Digital display                                            | Digital display                                            | Digital display                                            | Digital display                                            |
| Audible &Visible Alarm         | High / Low temperature             | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | High ambient temperature           | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Sensor error                       | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Low battery                        | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Power failure backup system(alarm) | 72h                                                        | 72h                                                        | 72h                                                        | 72h                                                        | 72h                                                        |
| Material                       | Internal                           | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 | Stainless steel, grade 304                                 |
|                                | External                           | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating | Electro-galvanized steel with antimicrobial powder coating |
| Accessories                    | USB port                           | Optional                                                   | Optional                                                   | Standard                                                   | Optional                                                   | Optional                                                   |
|                                | Casters                            | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   | Standard                                                   |
|                                | Test hole (Qty) / Diameter (mm)    | 1 / 25                                                     | 1 / 25                                                     | 1 / 25                                                     | 1 / 25                                                     | 1 / 25                                                     |
| Shelves / Drawers (Qty)        |                                    | Shelves / 2                                                | Shelves / 4                                                | Shelves / 6                                                | Shelves / 12                                               | Drawers / 12                                               |
| Sound Emission (dB)            |                                    | 49.6                                                       | 51.2                                                       | 51.2                                                       | 51.2                                                       | 53.6                                                       |
| Electricity                    | Voltage / Frequency                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                | AC110 / 220V±10%, 50 / 60Hz                                |
|                                | Consumption (W)                    | 168                                                        | 194                                                        | 355                                                        | 391                                                        | 415                                                        |
| N.W./G.W. (kg)                 |                                    | 74/95                                                      | 96/120                                                     | 128 / 155                                                  | 202 / 257                                                  | 265 / 335                                                  |
| Package Dimension (W*D*H) (mm) |                                    | 720*600*1220                                               | 600*710*1720                                               | 880*670*2100                                               | 1330*735*2110                                              | 1300*960*2130                                              |
| Bloodbags (450ml)(Qty)         |                                    | 66                                                         | 132                                                        | 200                                                        | 360                                                        | 576                                                        |

# Solar Medicine Refrigerator

CRF10-S97



## Reliability

- Solar direct drive, friendly to the environment.
- Microcomputer control.
- 30 days temperature record.
- Wide climate design, suitable for 5 ~ 43 C ambient temperature.
- Over 180 hours of holdover at 43 C ambient temperature.



## Key Features



Safety door lock design to prevent arbitrary opening.



USB port for charging phone.



Aluminum inner tank design, a drainage hole at the bottom, easy to clean.

Multiple alarm functions: High and low temperature alarm, sensor malfunction alarm , low-battery alarm.

Two alarm modes: Sound buzzer alarm , digital flashing alarm.

WHO Freeze-protection Classification Certification: A

## Application

Solar vaccine refrigerators and freezers for vaccine storage, medicines and ice packs, suitable for areas with limited power, suitable for outdoor use, very friendly to the environment.



## Specification

| Model                      |                                    | CRF10-S97       |
|----------------------------|------------------------------------|-----------------|
| Capacity                   | Vaccine gross                      | 59L             |
|                            | Vaccine storage                    | 48L             |
|                            | Freezer gross                      | 38L             |
| External Dimension (W*D*H) |                                    | 1050*750*975mm  |
| Temperature                | Vaccine working                    | 2 ~ 8 C         |
|                            | Freezer working                    | ≤ -10 C         |
|                            | Ambient                            | 5 C ~ 43 C      |
|                            | Controller                         | Microprocessor  |
| Cooling System             | Refrigerant (CFC Free )            | R290            |
|                            | Defrost                            | Manual          |
| Display                    |                                    | Digital display |
| Audible& Visible Alarm     | High / Low temperature             | Standard        |
|                            | Sensor error alarm                 | Standard        |
|                            | Low battery alarm                  | Standard        |
| Material                   | Door                               | Foaming Door    |
| Accessories                | USB port                           | Standard        |
|                            | Vaccine basket(Qty)                | 2               |
|                            | Charging interface(5V)             | Standard        |
| Electricity                | Voltage / Frequency                | DC 18-28V       |
|                            | Consumption                        | 190W            |
|                            | Power consumption (Stable running) | 1.7kW·h / 24h   |

# Corpse Refrigerator

MCFR-1000 MCFR-2000 MCFR-3000 MCFR-4000 MCFR-6000



## Features

- 1.Each refrigerator is equipped with an independent and complete refrigeration system, using a single-compressor, single-cycle refrigeration unit.
- 2.Each refrigerator has an independent heat dissipation device to ensure the heat dissipation effect.
- 3.Adopts high-quality compressors, with low noise and fast cooling speed.
- 4.The internal tray support racks of each cabinet are equipped with multiple rows of rolling nylon wheels, ensuring low-noise stretcher movement.
- 5.The space temperature in the refrigerator chamber can reach as low as -18°C, and the temperature inside the chamber is stable and uniform.
- 6.The whole cabinet is made of high-quality stainless steel plates to ensure that the drawers inside the box will not deform during use, have strong corrosion resistance and high-end appearance.



MCFR-1000



MCFR-2000



MCFR-3000



MCFR-4000



MCFR-6000

## Specifications

| Model             |                         |                               | MCFR-1000                                                                                 | MCFR-2000     | MCFR-3000     | MCFR-4000      | MCFR-6000      |
|-------------------|-------------------------|-------------------------------|-------------------------------------------------------------------------------------------|---------------|---------------|----------------|----------------|
| Capacity (Qty)    |                         |                               | 1                                                                                         | 2             | 3             | 4              | 6              |
| Dimension (W*D*H) | Corpse tray (mm)(L*W*H) |                               | 1900*570*395                                                                              |               |               |                |                |
|                   | External (mm)           |                               | 2480*810*650                                                                              | 2480*810*1190 | 2480*810*1800 | 2480*1580*1190 | 2480*1580*1800 |
| Electricity       |                         |                               | 350                                                                                       | 700           | 1050          | 1400           | 2100           |
| Temperture        | Preset(℃)               |                               | 1~5                                                                                       | 1~5           | 1~5           | 1~5            | 1~5            |
|                   | Lowest(℃)               | Domestic compressor(Standard) | -18                                                                                       | -18           | -18           | -18            | -18            |
|                   |                         | Imported compressor(Optional) | -30                                                                                       | -30           | -30           | -30            | -30            |
| Optional          |                         |                               | 24 hours tracking printing system;                                                        |               |               |                |                |
| Alarm             |                         |                               | High temperature alarm; Low temperature alarm; Sensors failure alarm; Door-opening alarm; |               |               |                |                |
| Net Weight (kg)   |                         |                               | 200                                                                                       | 300           | 370           | 550            | 650            |

## Features

- 7.The corpse refrigerator features a digital temperature display with 0.1°C display accuracy, 0.1°C resolution, and 0.1°C adjustment increment, ensuring the internal temperature of the chamber more accurate.
- 8.The 100mm thick insulation layer, utilizing integral foaming technology, ensures good thermal insulation, effectively reducing power consumption and ensuring energy-efficient operation.
- 9.High-quality universal casters (except MCFR-1000) are installed at the bottom of the refrigerator, which are corrosion-resistant and friction-resistant, and are easy to install and carry.
- 10.The sound buzzer alarm and light flashing alarm mode make it possible to monitor the working condition of the cabinet and effectively prevent unnecessary losses caused by cabinet failure.
- 11.Adopts original famous brand high-precision computer temperature control system to ensure accurate and stable operation.
- 12.High-quality door seals with strong anti-aging ability extend the service life of the door seals.
- 13.Large screen digital display for easy observation.
- 14.Direct cooling structure, reasonable design, stable and uniform temperature inside the chamber.
- 15.The cabinet interior features an independent drain sink, ensuring a clean and dry storage environment.
- 16.The door of the corpse cabinet is equipped with an independent heating belt to effectively prevent water vapor caused by the loss of cold air.

# Combined Refrigerator & Freezer

CRF26-265



## Application

It is suitable for pharmacies, pharmaceutical factories, hospitals, clinics, scientific research institutes, centers for disease prevention and control and other industrial institutions, used to store medicines, reagents, vaccines, etc.

## Key Features

### Temperature control system

Microprocessor control system, refrigerator chamber and freezer chamber temperature can display at the same time;

Refrigerator chamber:2~8 ℃,freezer chamber:-10~-26 ℃;

According to needs, you can close the refrigerator chamber independently;

### Refrigeration system

Optimized refrigeration technology makes the refrigerating capacity stronger;

CFC-free technology: it adopts CFC free refrigeration system and foam technology, good for environment protection;

Air-cooling design in the refrigerator chamber can ensure stable temperature.

### Humanized design

LCD display;

Refrigerator chamber equipped with plastic impregnated steel wire shelves and freezer chamber with transparent drawer;

Safe door lock design prevents arbitrary open;

Wide voltage design suits for wide range of voltage.

### Security control system

Multi malfunction alarms:high temperature alarm, low temperature alarm, sensor malfunction alarm, door opening alarm;

Two alarming methods: buzzer alarming, light flashing alarming;



## Specification

| Model                  |                                                    | CRF26-265                        |
|------------------------|----------------------------------------------------|----------------------------------|
|                        | Capacity (L)                                       | R: 155 F: 110                    |
| Dimension (W*D*H)      | Internal (mm)                                      | R: 460*480*720<br>F: 405*460*692 |
|                        | External (mm)                                      | 576*641*1687                     |
| Temperature            | Range (℃) at room temperature 10~32℃               | R: 2 ~ 8<br>F: -10 ~ -26         |
|                        | Sensor                                             | NTC                              |
|                        | Controller                                         | Microprocessor                   |
| Cooling system         | Refrigerant (Natural& CFC Free Refrigerant System) | R600a                            |
|                        | Defrost                                            | R: Auto<br>F: Manual             |
|                        | Compressor (Qty.)                                  | HUAYI/1                          |
|                        | Display                                            | LCD display                      |
| Audible& Visible Alarm | High/Low temperature                               | Standard                         |
|                        | High ambient temperature                           | Standard                         |
|                        | Sensor error                                       | Standard                         |
|                        | Abnormal voltage                                   | No                               |
|                        | Door ajar                                          | Standard                         |
|                        | Power failure backup system(alarm)                 | No                               |
| Material               | Internal                                           | PS Plate                         |
|                        | External                                           | Steel plate                      |
| Accessories            | USB port                                           | No                               |
|                        | Casters                                            | Standard                         |
|                        | Temperature Temperature data logger                | No                               |
|                        | Remote alarm port                                  | No                               |
|                        | Test hole (Qty) / Diameter (mm)                    | 2/32                             |
|                        | Shelves / Drawers (Qty)                            | Shelves / 3                      |
|                        | Sound Emission (dB)                                | 53                               |
| Electricity            | Voltage/Frequency                                  | AC 220V, 50Hz                    |
|                        | Consumption (W)                                    | 125                              |
|                        | N.W./G.W. (kg)                                     | 60/65                            |
|                        | Package Dimension (W*D*H) (mm)                     | 710*670*1910                     |