

## Ultra Low Temperature Freezer

### **MDF-86V588D**

**Ultra Low Temperature Freezer are specially designed to store samples products.**

#### Features

- Dual-independent system, one of system failure, a single system to maintain temperatures below --70°C.
- Wide available voltage range: 198V~242V.
- Dual-independent system work fast cooling, reduce cooling time by 50%;
- Intelligent Control: Touch screen, temperature curve, alarm information recording and query, user management mode, self-fault diagnosis
- Wide temperature range : 10°C~32°C ambient temperature can reach -86°C.
- Accurate Temperature control technology to make the temperature maintain -40°C~-86°C and accuracy 0.1 °C.
- VIPIPLUS technology, special narrow design for entering elevators.
- Removable heat exchanger, almost all of the relevant components of the cooling components could be maintenance and replacement.

#### Safety

- Build-in back-up battery to display temperature and to operate audible and visual alarm system for up to 72 hours without AC power.
- Visual and audible alarm system: High/low temperature, power failure, sensor error, door ajar, low battery, condenser failure, high ambient temperature alarm, abnormal voltage alarm.
- Power failure protection: turn on delay of the cooling system when power failure, restart delay protection.
- Keyboard lock, password protection to avoid set parameter randomly.
- Special noise reduction design.

#### Humanized design

- 4 casters with stopper for easy moving and fixation.
- standard 25mm test hole for easy connecting to temperature monitoring systems.
- 3 adjustable shelves for easy storing.
- Visual and audible alarm and all alarm can be through reserved for remote alarm port remote alarm
- Removable condenser front cover convenient for cleaning and maintenance.
- With the function of hand-written artboard, convenient for customers to record temporary information.
- With A4 paper slot function, convenient for customer management and equipment related information

#### Special

- Dual-independent ultra-low temperature refrigeration system.
- Build-in back-up battery: 72 hours power failure alarm
- 9 visual and audible alarms

## Parameters

### Performance

Temperature Range	-60~-86°C
Ambient Temperature	+10~+32°C
Controller	Microprocessor
Display	LCD Display

### Electrical Data

Power Supply(V/Hz)	220/50~60; 115/60
Rated Power(W)	800
Electrical Current(A)	6.9
Power Consumption	15.5kWh/24h
Power failure backup system	72H

### Alarm

High/Low Temperature	Y
Sensor Error	Y
Power Failure	Y
Door ajar	Y
High Ambient temp.	Y
Condenser clean	Y
Low battery	Y
Filter screen check	Y
Abnormal voltage	Y

### Refrigeration System

Compressor/Brand	2/SECOP
Refrigerant	Mixed
Cooling Type	Direct cooling
Defrost Type	Manual

### Dimensions

Capacity	588L
Interior Size(W*D*H)	606*738*1310mm
Exterior Size(W*D*H)	891*1155*1994.5mm
Package Size(W*D*H)	950*1118*2185mm
N.t./G.t.(approx)	249/275kg
Loading Qty(20'/40'/40'H)	12/24/24

### Accessories

Caster	4
USB port	Y
Remote alarm port	Y
RS232/485 port	Y
Inner Door/shelf	2/3
Test hole	1/25MM
CO2/LN2 back up system	Optional
LN2 back up system	Optional
Cold storage box loading QTY	40000



MDF-86V588D