

## -86°C Ultra Low Temperature Freezer

### FSF-86V838D

Methner Ultra Low Temperature Freezer are specially designed to store samples products



#### Features

- Ambient temperature :10℃~32℃.
- Accurate Temperature control technology to make the temperature maintain -40℃~-86℃ and accuracy 0.1℃.
- Independent research and development of mixed refrigerant can make device save energy 50%.
- if one system breaks down the left one could continue working to maintain inner temp at -80C, this means you would have double safety guarantee for your storage inside
- The first dual system invented and released in domestic market with the rapid cooling speed to cool down from room temperature to -80 in 3.5hours.
- 304 stainless steel inner chamber for friendly using and easy cleaning.
- VIP II PLUS technology, special narrow design for entering elevators.

#### 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,Abnormal voltage,Sensor error,Filter screen check,Low battery,Condenser clean,High ambient temperature,Door ajar 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.
- Removable condenser dust gauze convenient for cleaning and maintenance.
- Removable inner door for user to defrost and clean.
- Standard USB port,USB port to read temperature and alarm conditions in recent 1 months.

## special:

**Patented technology, mixed refrigerant.**

**Standard remote alarm port**

**10 visual and audible alarms.**

### Performance

Temperature Range	-40~-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)	1700W
Electrical Current(A)	9.8
Power Consumption	18.8kWh/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	838L
Interior Size(W*D*H)	894*718*1310mm
Exterior Size(W*D*H)	1190*1045*2010mm
Package Size(W*D*H)	1270*1105*2220mm
N.t./G.t.(approx)	336.5/416kg
Loading Qty(20'/40'/40'H)	8/18/18

### Accessories

Caster	4
USB port	Y
Remote alarm port	Y
RS232/485 port	Y
Inner Door/shelf	2/3
Test hole	1/25MM
Data logger	Optional
CO2/LN2 back up system	Optional
Cold storage box loading QTY	60000