

-86℃ Ultra Low Temperature Freezer

FSF-86V188E

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%.
- Better uniformity, uniformity is increased 30%.
- The single level optimization of auto cascade refrigeration system design, less refrigeration component for easy maintenance.
- 304 stainless steel inner chamber for friendly using and easy cleaning.

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 and Thermostat failure.
- 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.
- 2 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.

Performance	
Temperature Range	-40~+86°C
Ambient Temperature	+10~+32°C
Controller	Microprocessor
Display	Digital Display

Electrical Data	
Power Supply(V/Hz)	220/50~60; 110/60
Rated Power(W)	660
Electrical Current(A)	4.3
Power Consumption	8.2 kWh/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
Thermostat failure	Y

Refrigeration System	
Compressor/Brand	1/CUBIGEL
Refrigerant	Mixed
Cooling Type	Direct cooling
Defrost Type	Manual

Dimensions	
Capacity	188L
Interior Size(W*D*H)	465*465*830mm
Exterior Size(W*D*H)	850*930*1595mm
Package Size(W*D*H)	880*910*1820mm
N.t./G.t.(approx)	174/224kg
Loading Qty(20'/40'/40'H)	12/26/26

Accessories	
Data logger	Optional
Caster	4
USB port	Y
Inner Door/shelf	3/2
Test hole	1/25MM
Remote alarm port	Y
CO2 back up system	Optional
LN2 back up system	Optional
Cold storage box loading QTY	10800