Ultra Low Temperature Freezer
MDF-86V838
Ultra Low Temperature Freezer are specially designed to store samples products.

Features

- Two-compressor cascade refrigeration system specially designed for cryogenic applications.
- Wide available voltage range: 198V~242V.
- Wide temperature range :10℃~32℃can reach -86℃.
- Accurate Temperature control technology to make the temperature maintain -60℃~-86℃and accuracy 0.1 ℃.
- Removable heat exchanger，almost all of the relevant components of the cooling components could be maintenance and replacement.
- Realize historical temperature curve query and download
- Independent switch, standard USB port, easy to download data
- HC refrigeration system, energy saving 50%
- VIPIIPLUS 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.
- 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 - machine cascade system.
  Removable heat exchange
  9 visual and audible alarms

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Parameters

Performance

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

Refrigeration System

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

Electrical Data

Power Supply(V/Hz)	220/50~60; 115/60
Rated Power(W)	890W
Electrical Current(A)	7
Power Consumption	13.86kWh/24h
Power failure backup system	72H

Dimensions

Capacity	838L
Interior Size(W*D*H)	894*718*1310mm
Exterior Size(W*D*H)	1179*1135*1994.5m
Package Size(W*D*H)	1212*1098*2185mm
N.t./G.t.(approx)	397/430kg
Loading Qty(20'/40'/40'H)	9/19/19

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

Accessories

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