# MDF-60H485 *-60℃ Deep Freezer*
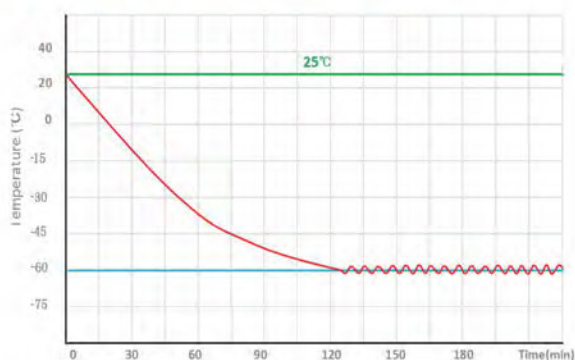
CE ISO9001 ISO13485 ISO14001 ISO45001

485 liters
30,000 samples

Universities
CDCs
Research institutions laboratories
Pharmaceutical
Animal husbandry
Deep sea fishery
Vaccine storage
Hospitals
Military industry
Biological engineering

## AUTO-CASCADE SYSTEM CHEST DEEP FREEZER SERIES

-60℃ Chest Deep freezer is specially designed and manufactured for long term storage of various biological products, including viruses, germs, erythrocytes, leucocyte and cutis. Applications can be found in blood banks, hospitals, edipemic prevention service, and research institutes, laboratories in electronic and chemical plants and biological engineering institutes.

## AUTO-CASCADE SYSTEM



## ❄ Super-cooling technology

Auto-ascade cooling system is designed with a powerful compressor which drives the unique mixed refrigerant for fast cabinet cooling down. The system is simple in construction, energy saving and easy maintenance.
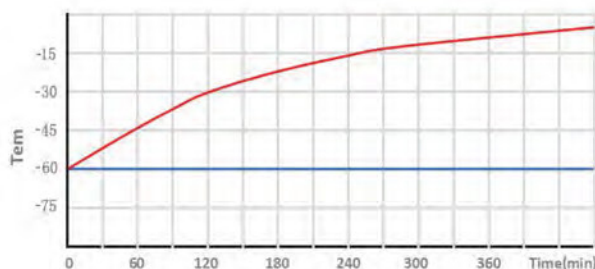
## Advanced thermal insulation

Advanced insulation materials and interior design of multiple independent spaces make deep freezers more efficient in Insulation and less heat loss, so as to achieve the purpose of better thermal insulation performance and energy saving.



Pull down test at ambient temp. 25℃

MDF-25H105/MDF-40H105/MDF-60H105

MDF-25H305/MDF-40H305

MDF-25H485/MDF-40H485/MDF-60H485

## STRUCTURE



**SUS 304 stainless steel lid**
Thick PU foamed

**Buckle**
with padlock port

**Sturdy steel body**
with thick PU foaming

**Heavy duty castors**
With brake

**Ergonomic handle**
Easy open

**Proven Hings**
Hoverable top lid

**Access port**
for extra monitoring

**Temp. controller**
Microcomputer

## FEATURERS

**Dixell Temp. Controller**
Pricise and stable control

**4 types of alarms**
Audible and visual alarms



**Multi-layer sealing design**
Better sealing, better insulation

**International certifications**
ISO9001, ISO13485 & CE verified

**Eco-friendly**
CFC-free refrigerant & insulation

**Energy saving**
More efficient cooling system

# PRODUCT DETAILS

**ALL SUS 304 inside**

The deep freezers are made of color spayed anti-bacterial and anti-corrosion cold-rolled steel. Various configurations and humanized designs bring great convenience to users.

**Access port**
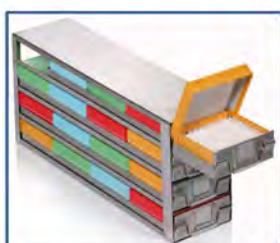
**Optional SS racks**

**Double-layer external condenser**

# SPECIFICATIONS

| Basic | | Refrigeration System | | Alarms | |
|---|---|---|---|---|---|
| Cooling method | Direct Cooling | Refrigerant | R4001 | High/low temperature | Y |
| Defrost | Manual | Temp. controller | Microprocessor | Power failure | Y |
| Temperature range | −25℃~−60℃ | System | Auto-cascade | Abnormal voltage | / |
| Ambient temperature | 10~32℃ | Sensor | PTC | Sensor error | Y |
| Display | LED digital | Compressor brand/QTY | CUBIGELN/1 | Door ajar | / |
| Access port QTY/Dia. | 1/25mm | Capacity(L/cu.ft) | 485/17.12 | Filter screen check | / |
| USB Intereface | NO | Insulation | PURF | Thermostat failure | Y |
| Remote alarm Access | NO | Inner door material/QTY | / | Low battery | / |
| Outside material | Color sprayed steel | Optional Racks | 24(11x1)+6(6X1) | Condenser clean | / |
| Inside material | SUS304 | Boxes (2 Inches) | 300 | High ambient | / |
| Castor | Universal | Samples(2ml) | 30,000 | Power failure backup | / |

| Electrical Data | | Dimensions | | Accessories | |
|---|---|---|---|---|---|
| Voltage frequency(V/Hz) | 220V 50Hz/110V 60Hz | Package size(W*D*H)(mm) | 1775*900*1050 | SUS304 Racks | Optional |
| Power(W) | 600W | Exterior size(W*D*H)(mm) | 1670*810*930 | Data logger | Optional |
| Current(A) | 3.44A | Interior size(W*D*H)(mm) | 1455*525*665 | Baskets | Optional |
| Power consumption | 7.45KWh/24h | Shipping CBM | 1.68 | Gloves | Optional |
| Noise(db) | 50 | N.W/G.W(kg) | 122/149 | | |

# ACCESSORIES

**Data logger**

**Racks & Boxes**

**Gloves**

**Baskets**