



-40°C

Biomedical Freezer

Model: MDF-40V268E



Applications

The -40 °C medical deep freezers are designed to store vaccines, blood plasma, reagents, and many other biological materials which are widely used in research institutions, clinics, and medical fields.

Features

- Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C
- HC green refrigerant is energy-saving and environmentally friendly.
- Wide available voltage range: 220V±10%.

Security

- Safety door lock and controller password to prevent unauthorized access.
- Built-in backup battery to display temperature and alarms when power failure or system error.
- Visual and audible alarm system.
- Inner doors to prevent cold air from leaking out when the outside door is opening.
- Power failure protection: turn-on delay of the cooling system after power failure.
- Controller error protection: the cooling system will remember the normal working cycle and keep working depending on this memory when the controller or two sensors failed.

Humanized design

- Adjustable shelves for easy storage.
- Casters with stoppers for easy moving and fixation.



Specifications

Model NO.	MDF-40V268E
Main Specifications	
Temperature Range	-20 ~ -40 °C
Ambient Temperature	10~32°C
Capacity (L/Cu. Ft.)	268 / 9.46
Interior Dimensions (W×D×H) mm	508×455×1137
Exterior Dimensions (W×D×H) mm	673×676×1620
Weight	99 kgs
Noise	48 dB
Control and Power	
Controller	Microprocessor
Display	Digital
Sensor	NTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	309 W
Electric Current	1.5 A
Power Consumption (kWh/24h)	5.2
Audible and Visual Alarms	
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 8h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Refrigeration	
Refrigeration Type	Direct Cooling
Defrost	Manual
Compressor (Brand/pcs)	CUBIGEL / 1
Refrigerant / Weight	R290 / 52g
Cabinet	
Door (pcs)	Foamed Solid Door / 1
Inner Door (pcs)	Coated Steel Door / 4
Adjustable Shelf (pcs)	3
Interior Cabinet Material	Coated Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	PURF (δ82.5mm)
Door Lock	Yes
Test Hole (pcs)	1
Castors (pcs)	4
Accessories	
Remote Alarm Port	Yes
USB Data Download Port	Optional
RS485 Port	Optional
Temperature Datalogger	Optional
Temperature Printer	Optional
Shipping	
Package	Carton box with pallet
Shipping Weight	120 kgs
Shipping Size (W×D×H)	760×750×1750
Shipping Volume	1.00 CBM

* Due to continuous product upgrades, the above specifications are for reference only. For the latest specifications, please contact us.