



-25°C

Biomedical Freezer

Model: MDF-25V278W

(Version: 2024-5)



Applications

The -25°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: 187V~242V.

Security

- Safety door lock and controller password to prevent unauthorized access.
- Visual and audible alarm system.
- 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

- Drawers for easy storage.
- Casters with stoppers for easy moving and fixation.



Specifications

Model NO.	MDF-25V278W
Main Specifications	
Temperature Range	-10 ~ -25 °C
Ambient Temperature	10~32°C
Capacity (L/Cu. Ft.)	278 / 9.82
Interior Dimensions (W×D×H) mm	480×415×1460
Exterior Dimensions (W×D×H) mm	659×600×1694
Weight	105 kgs
Noise	46 dB
Control and Power	
Controller	Microprocessor
Display	Digital
Sensor	NTC
Voltage and Frequency	187~242V, 50/60Hz
Power	195 W
Electric Current	1.58 A
Power Consumption (kWh/24h)	2.45
Audible and Visual Alarms	
High / Low Temp. Alarm	Yes
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Refrigeration	
Refrigeration Type	Direct Cooling
Defrost	Manual
Compressor (Brand/pcs)	Chinese Brand / 1
Refrigerant / Weight (kgs)	R290 / 54g
Cabinet	
Door (pcs)	Foamed Solid Door / 1
Drawer (pcs)	7
Interior Cabinet Material	Coated Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	PURF (δ85.5mm)
Door Lock	Yes
Test Hole (pcs)	Φ25mm / 1
Fixed / Levelling Castors (pcs)	4 / 0
Accessories	
Voltage Stabilizer	Optional
Temperature Datalogger	Optional
Shipping	
Package	Carton box with pallet
Shipping Weight	120 kgs
Shipping Size (W×D×H)	710×678×1770
Shipping Volume	0.85 CBM