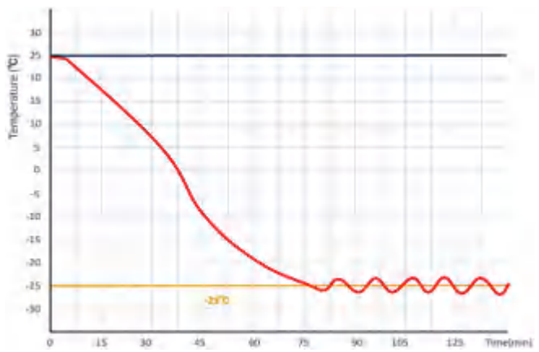
-25°C Deep Freezer

The MDF-25V100 Medical Deep Freezer (100L) is widely used in hospitals and laboratories for the secure storage of temperature-sensitive materials. It is ideal for preserving drugs, vaccines, blood, enzymes, hormones, stem cells, extracted RNA, gene libraries, and other important biological and chemical reagents.



MDF-25V100

MDF-25V100
Cooling Test at Ambient 25°C



Product Advantages

Rapid Cooling
Better cooling performance

Coil Evaporator
Better temperature uniformity

Lockable Doors
Standard locks with keys

Eco-friendly
CFC-free refrigerant and energy-saving

High-quality Steel Materials
Antibacterial and corrosion resistant

Precise Temp. Control
Temp. control accurate to 0.1°C

5 Types of Alarm
Audible and visual alarms

Variable Space
Different sizes of drawers

Internal Structure



High-precision control system



Solid door

Lock & key

Drawer



High/low temp. alarm

Power failure alarm

Door ajar alarm

Sensor error alarm

Coil evaporator cooling system makes the chamber temperature more uniform.
The 4 independent drawers give the cabinet better insulation performance and convenience.

-25°C Deep Freezer

Product Parameters

Model		MDF-25V528	MDF-25V358	MDF-25V328E	MDF-25V268E	MDF-25V278W	MDF-25V100
Specifications	Shelf (Drawer)	Shelves/4 Drawers/18	Shelves/4 Drawers/12	Shelves/4	Shelves/3	Drawers/7	Shelves and drawers
	Cooling Method	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost	Manual	Manual	Manual	Manual	Manual	Manual
	Refrigerant Type	R290	R290	R290	R290	R290	R600a
	Refrigerant Weight (g)	58 each	/	60	60	54	/
	Power Consumption (kWh/24h)	3.35	5.5	1.7	1.52	2.45	0.95
	Noise (dbA)	55	49	46	46	46	50
	Ambient Temperature (°C)	10~32	10~32	10~32	10~32	10~32	10~32
	Temperature Range (°C)	10 ~-25	-10~-25	-10~-25	-10~-25	-10~-25	-10~-25
Cooling System	Compressor Brand/Quantity	MEIZHI/2	CUBIGEL/2	CUBIGELN/1	CUBIGELN/1	DONPERN/1	KY55C45G
	Sensor	NTC	NTC	NTC	NTC	NTC	NTC
	Temperature Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	Digital display	Digital	Digital	Digital	Digital	Digital
Power	Voltage/Frequency (V/Hz)	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz
	Power (W)	258	310	218	215	195	73
	Current (A)	1.7	3	1.59	1.63	1.58	0.7
Material	Internal Material	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel	HIPS
	External Material	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel
	Insulation	PUF	PUF	PUF	PUF	PUF	PUF
Size	Capacity (L/Cu. Ft)	528/18.64	358/12.6	328/11.58	268/9.46	278/9.81	100/3.53
	NT./GT. (kg)	160/180	138/178	104/126	92/114	105/115	32kg/43kg
	Exterior Size (W×D×H)(mm)	900×818×1875	720×830×1870	673×676×1886	673×676×1620	659×600×1694	540×553×877
	Interior Size (W×D×H)(mm)	(651×631.5×635)×2	466×636×625	508×455×1393	508×455×1137	480×415×1460	410×410×670
	Package Size (W×D×H)(mm)	980×930×2020	920×790×1980	760×760×2020	755×755×1750	710×660×1790	640×650×1100
	CBM (m^3)	1.84	1.44	1.17	1.00	0.84	0.46
	20GP/40GP/40HQ	12/ 24/24	18/39/39	21/48 /48	21/45/45	24/51/51	54/120/120
Alarm	High/low Temperature	Y	Y	Y	Y	Y	Y
	Power Off	Y	Y	Y	Y	/	Y
	Sensor Malfunction	Y	Y	Y	Y	Y	Y
	Ambient Temperature (°C)	Y	Y	/	/	/	/
	Abnormal Voltage	/	/	/	/	/	/
	Low Battery	Optional (Free)	Optional (Free)	/	/	/	/
	Temperature Controller Malfunction	Y	Y	Y	Y	Y	Y
	Door Ajar	Y	Y	Y	Y	Y	Y
	Power Failure Alarm (For controller)	8H	8H	8H	8H	/	8H
Accessories	Caster	Y	Y	Y	Y	Y	/
	Test Hole	2/25MM	2/25MM	1/25MM	1/25MM	1/25MM	/
	USB Port	Y	Y	Optional	Optional	/	/
	Data Logger	Optional	Optional	Optional	Optional	Optional	Optional
	Remote Alarm	Optional (Free)	Optional (Free)	Optional (Free)	Optional (Free)	/	/
Other	Certifications	ISO 9001/13485/ 14001/45001 CE	ISO 9001/13485/ 14001/45005 CE	ISO 9001/13485/ 14001/45004 CE	ISO 9001/13485/ 14001/45002 CE	ISO 9001/13485/ 14001/45003 CE	ISO 9001/13485/ 14001/45001 CE