

-25°C Biomedical Freezer Spirit

> Overview

Refrigeration System

Reliable compressor and fan, ensure fast cooling, energy-saving and long time running

The evaporator is intergrated with shelves, ensures uniform cabinet temperature

Two independent refrigerant systems to control two compartments, one compartment temperature is failure, the other comperatment still maintains temperature (only model MDF-25U450)

Environment friendly refrigerant CFC-free and HFCF-free

Cabinet Construction

Powder coated steel exterior, Aluminum plate interior with round corner design easy clean-up

Superior engineered frame for maximum rigidity

Self-closing door with magnetic closure

100mm thickness Non-CFC foamed insulation, energy saving

Doorlock prevents unauthorized open

Low noise design creates a comfortable working environment

> Scope of Application



Biologics



Diagnostics kits and reagents



Industrial testing



Molecular biology



Vaccines and medications

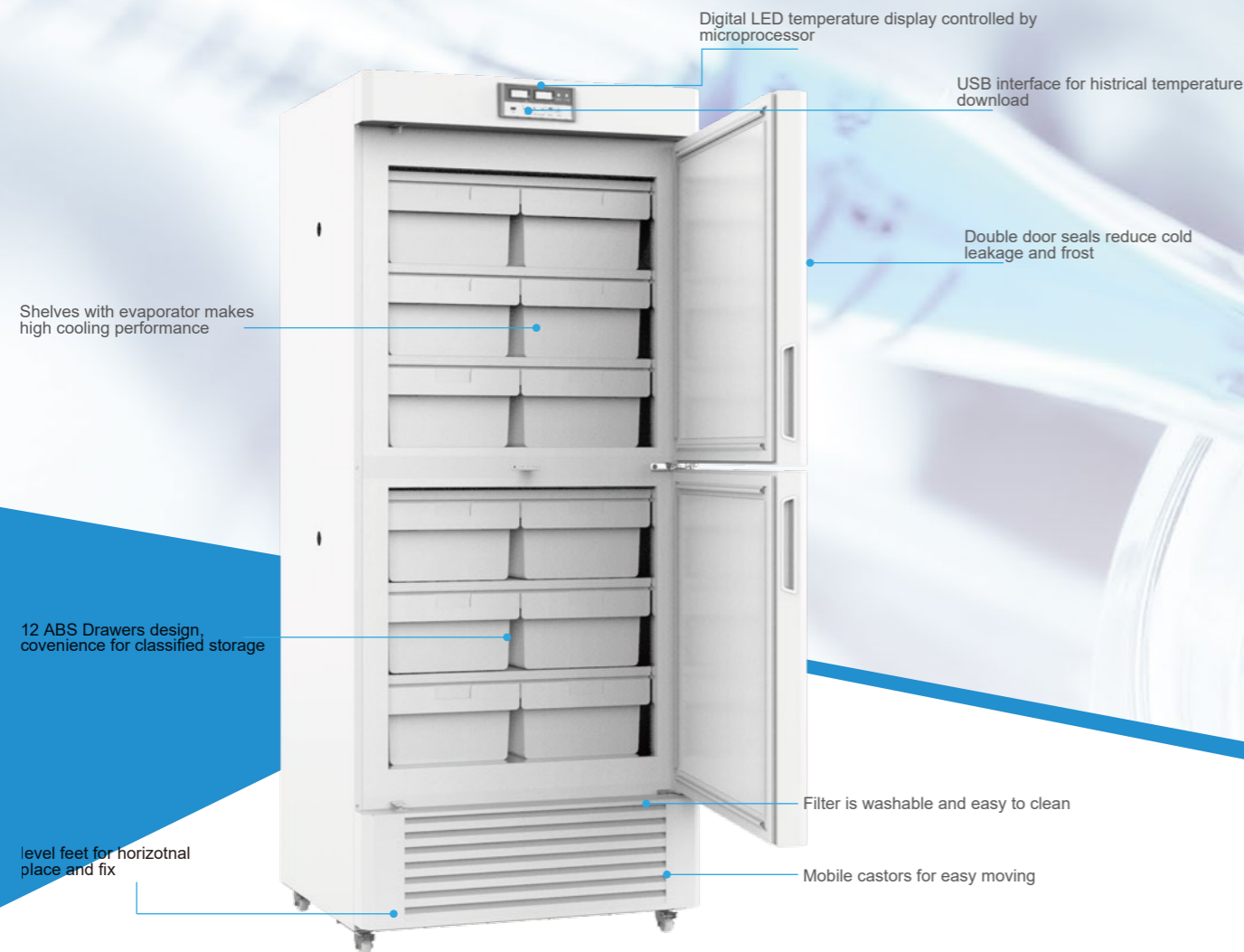


Clinical application



Whole blood and plasma

> MDF-25U270



Model: **MDF-25U450**

> Features

- High-precision microprocessor temperature control system with digital
- LED temperature display 0.1°C accuracy.
- Temperature setting range is -10°C ~-25°C
- The digital display show freezer work condition and alarm code, easy to know freezer satus
- Audibale and visible alarm system for safe storage
High temperature alarm, Low temperature alarm, Sensor failure alarm, Door ajar alarm, Power failure alarm, Low battery alarm, Hot condensor alarm
- 3 Channel sensors for cooling, display and amabinet temperature
- Build-in USB interface enable users to download the historical temperature data
- Remote alarm contact for know the alarm in remote distance



> Specification



Model		MDF-25U90	MDF-25U270	MDF-25U450
Technical Data	Cabinet Type	Upright	Upright	Upright
	Capacity (L)	90	270	450
	Temperature Range (°C)	-10~ -25	-10~ -25	-10~ -25
	Cooling Performance(°C)	-25	-25	-25
	Temperature ambient(°C)	10~32	10~32	10~32
	Temperature Control	Microprocessor	Microprocessor	Microprocessor
	Display	LED digital display	LED digital display	2 LED digital displays
	Cooling Type	Direct Cooling	Direct Cooling	Direct Cooling
	Defrost Mode	Manual	Manual	Manual
	Refrigerant	CFC-Free	CFC-Free	CFC-Free
	Noise (dB)	47	47	47
Functions	High/low Temperature Alarm	Y	Y	Y
	Power Failure Alarm	Y	Y	Y
	Sensor Error Alarm	Y	Y	Y
	Low Battery Alarm	Y	Y	Y
	Door Ajar Alarm	Y	Y	Y
	Ambinet Temperature Alarm	Y	Y	Y
Electrical Data	Power (W)	51	135	206
	Power consumption(KWh/24h)	0.75	1.21	2.24
	Rated current (A)	0.68	1.53	1.9
	Voltage/Frequency(V/Hz)	220~240V 50/60Hz 110V 60Hz	220~240V 50/60Hz 110V 60Hz	220~240V 50/60Hz 110V 60Hz
Accessories	Door	1 foaming door	1 foaming door	2 foaming door
	Door Lock	Y	Y	Y
	Caster	N	N	4
	Foot	2	2	N/A
	Shelf/Drawer	2/3	6/7	4/12
	Test Hole	Y	Y	Y
	Remote Alarm Contact	Y	Y	Y
	USB	Y	Y	Y
Dimensions	Net/Gross Weight (kg)	54/59	90/98	136/156
	Internal Dimension (W/D/H, mm)	500×485×532	500×460×1235	(650×570×627) ×2
	External Dimension(W/D/H, mm)	700×669×854	700×640×1792	810×735×1960
	Packing Dimension(W/D/H, mm)	765×735×935	760×720×1885	895×820×2127
	Container Load (20'/40'/40'H)	42/96/96	21/45/45	12/26/26