

# -25 °C Biomedical Freezer

## > Reliability & Key Features

- Main power switch: convenient operation
- Microprocessor controller: digital display
- Low power consumption
- Environment friendly refrigerant: CFC-Free and HCFC-Free.
- World-class brand compressor
- Powder coated galvanized steel interior

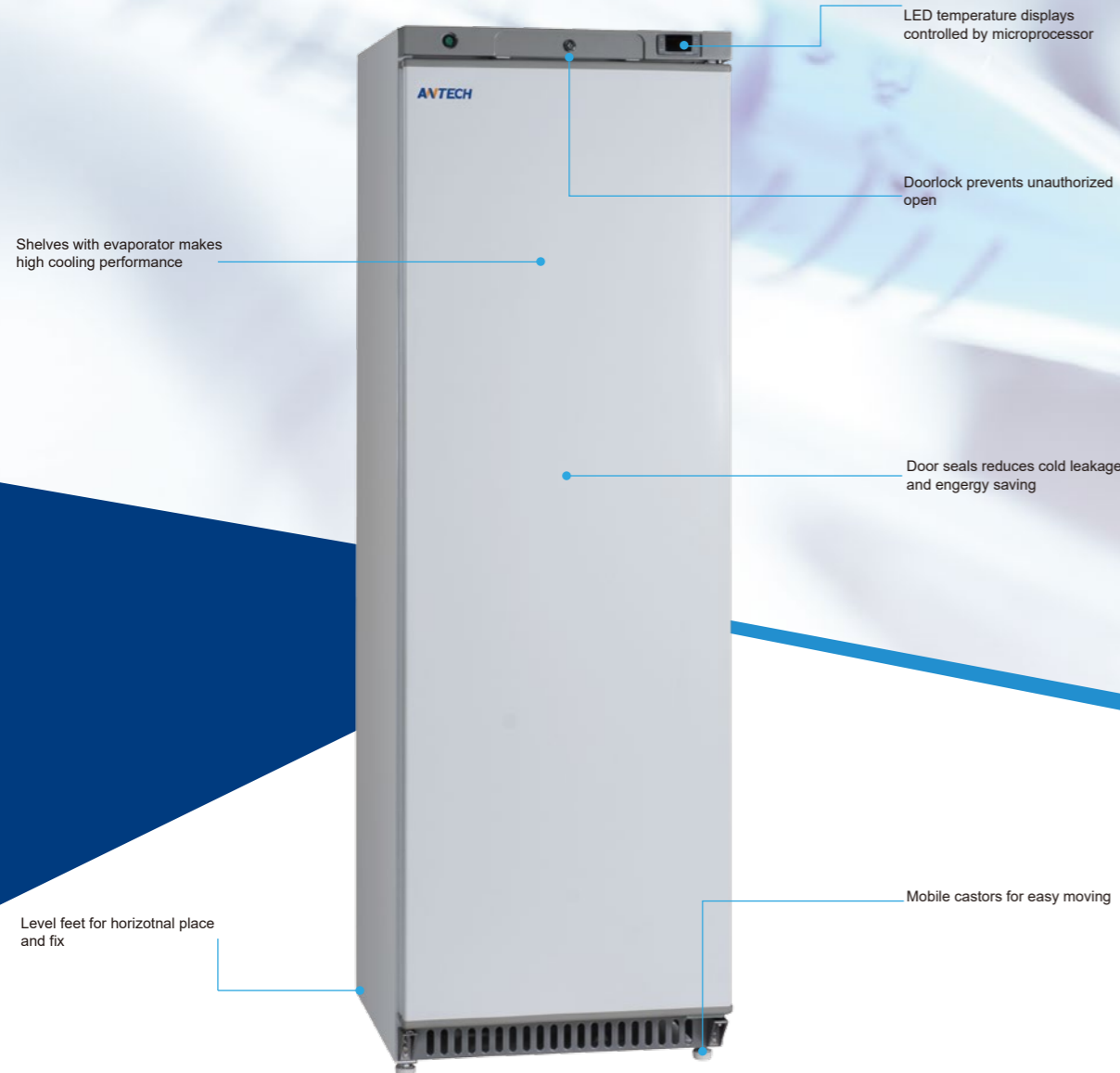
## > Safety

- Multiple malfunction alarm: high/low temperature alarm, sensor error alarm, door ajar alarm
- Safety lock prevents unauthorized access
- Two types of alarm indications: audible buzzing and visible flashing light

### MDF-25U150/400/600 Interior



MDF-25U150



LED temperature displays controlled by microprocessor

Doorlock prevents unauthorized open

Shelves with evaporator makes high cooling performance

Door seals reduces cold leakage and energy saving

Mobile castors for easy moving

Level feet for horizontal place and fix

The -25 °C deep freezer offers a stable low temperature storage condition. Integrated design of cold shelf and evaporator provides additional refrigeration efficiency. This product is designed to store vaccine, reagent and many other biological materials, widely applied in research institutions and clinical sites in life science, electronic testing and medical fields.



## > Specification



Model		MDF-25U150	MDF-25U278	MDF-25U400	MDF-25U600
Technical Data	Cabinet Type	Upright	Upright	Upright	Upright
	Capacity (L)	135	278	350	550
	Temperature Range (°C)	-10~ -25	-10~ -25	-10~ -25	-10~ -25
	Cooling Performance(°C)	-25	-25	-25	-25
	Temperature ambient(°C)	16~32	10~32	10~32	10~32
	Temperature Control	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	LED digital display	LED digital display	LED digital display	2 LED digital displays
	Cooling Type	Direct Cooling	Direct Cooling	Direct Cooling	Direct Cooling
	Defrost Mode	Manual	Manual	Manual	Manual
	Refrigerant	CFC-Free	CFC-Free	CFC-Free	CFC-Free
Noise (dB)	40	40	40	40	
Functions	High/Low Temperature Alarm	Y	Y	Y	Y
	Power Failure Alarm	Y	Y	Y	Y
	Sensor Error Alarm	Y	Y	Y	Y
	Low Battery Alarm	Y	N/A	Y	Y
	Door Ajar Alarm	Y	Y	Y	Y
	Ambient Temperature High Alarm	Y	N/A	Y	Y
Electrical Data	Power (W)	160	170	398	280
	Voltage/Frequency(V/Hz)	220~240V 50/60Hz	220~240V 50/60Hz	220~240V 50/60Hz	220~240V 50/60Hz
Accessories	Door	1 foaming door	1 foaming door	1 foaming door	1 foaming door
	Door Lock	N	Y	N	N
	Caster	4	4	4	4
	Foot	2	2	2	2
	Shelf/Drawer	2/1basket	6/7	6/-	6/-
	Test Hole	Y	Y	Y	Y
	Remote Alarm Contact	Optional	Optional	Optional	Optional
	USB	N	N	N	N
Dimensions	Net/Gross Weight (kg)	46/55	105/115	85/98	101/112
	Internal Dimension (W/D/H, mm)	490×480×630	480×415×1460	480×450×1625	645×530×1645
	External Dimension(W/D/H, mm)	598×623×838	651×574×1656	600×645×1875	775×750×1900
	Packing Dimension(W/D/H, mm)	650×690×870	710×650×1810	665×715×1970	780×840×2008
	Container Load (20'/40'/40'H)	54/108/162	27/54/54	24/51/51	12/26/26

# -25°C Chest Freezer

## > Specification



### > Features

- Fit with high efficiency compressor to achieve reliable cooling performance; can reach to -45°C the lowest.
- Microprocessor control with digital display, temperature accuracy 0.1°C
- High-density and ultra-thick insulation, high efficiency and energy saving
- CFC-free refrigerant, environment friendly;
- Wide voltage design, available from 192~242V

### > Safety

- Multiple audible and visual alarms including high/low temperature alarm, sensor error alarm;
- Multiple protections for the freezer: password protection on the display board prevents unauthorized access;
- Power-on delay protection and frequent start protection extend the service life of the compressor;
- Safety door lock avoids unauthorized access to the samples;

### > Ergonomic Design

- Standard access port for external probes;
- Fit with castors for easy moving
- Baskets come as standard for convenient storage of samples;

Model	MDF-25C100	MDF-25C200	MDF-25C300	MDF-25C400	MDF-25C500	
Technical Data	Cabinet Type	Chest	Chest	Chest	Chest	Chest
	Capacity (L)	100	190	285	370	470
	Climate Class	ST	ST	ST	ST	ST
	Cooling Type	Direct Cooling	Direct Cooling	Direct Cooling	Direct Cooling	Direct Cooling
	Defrost Mode	Manual	Manual	Manual	Manual	Manual
	Refrigerant	CFC-Free	CFC-Free	CFC-Free	CFC-Free	CFC-Free
	Door	Single	Single	Single	Single	Single
	Noise (dB)	40	40	40	40	40
Performance	Temperature Range (°C)	0~-25	0~-25	0~-25	0~-25	0~-25
	Cooling Performance(°C)	-25	-25	-25	-25	-25
Control	Temperature Control	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	LED	LED	LED	LED	LED
Electrical Data	Voltage/Frequency(V/Hz)	220~240V 50/60Hz	220~240V 50/60Hz	220~240V 50/60Hz	220~240V 50/60Hz	220~240V 50/60Hz
	Power (W)	100	180	200	200	200
Dimensions	Net/Gross Weight (kg)	32/40	65/78	75/88	85/98	85/98
	Internal Dimension (W/D/H, mm)	520×345×615	760×485×600	1080×485×600	1340×485×600	1340×485×600
	External Dimension(W/D/H, mm)	700×600×850	940×765×850	1270×765×850	1530×765×850	1530×765×850
	Packing Dimension(W/D/H, mm)	745×580×890	990×775×890	1320×775×890	1580×775×890	1580×775×890
	Container Load (20'/40'/40'H)	62/128/192	34/72/108	24/54/81	20/44/66	20/44/66
Functions	High/low Temperature Alarm	Y	Y	Y	Y	Y
	Sensor Error Alarm	Y	Y	Y	Y	Y
	Door Ajar Alarm	N/A	N/A	N/A	N/A	N/A
	Remote Alarm Contact	N/A	N/A	N/A	N/A	N/A
	Power Failure Alarm	N/A	N/A	N/A	N/A	N/A
Accessories	Door Lock	N/A	Y	Y	Y	Y
	Caster	N/A	N/A	N/A	N/A	N/A
	Foot	Y	Y	Y	Y	Y
	Shelf/Drawer	N/A	N/A	N/A	N/A	N/A
	Basket	1	2	2	2	2
	Test Hole	Standard	Standard	Standard	Standard	Standard
	Data Logger	Optional	Optional	Optional	Optional	Optional
Others	Certificate	CE, ISO9001	CE, ISO9001	CE, ISO9001	CE, ISO9001	CE, ISO9001