-25°C Laboratory Freezer

The professional LabSafe series lab freezer, specifically developed to be used by laboratories, hospitals, and pharmacies, ensure optimal storage conditions for temperature sensitive medical products and biological material, meeting the highest requirement for accurate controlled cold storage. High density solid door (forming door) is used for excellent insulation. LabSafe freezers are compliant with main international requirements, including CE, UL, etc.

TC-200 Controller

Microprocessor electronic controller for LabSafe series laboratory freezers, fitted with dual LED screen to display inner chamber temperature and key working conditions. Advanced dual sensor control system for accurate temperature control.

PERFORMANCE

- Intelligent microprocessor controller TC-200
- Dual sensor system: display sensor in aluminum block to simulate real product temperature. Control sensor in air for accurate control.
- Optimized direct cooling system & manual defrost
- Rapid temperature recovery after door opening

ERGONOMIC DESIGN

- Self-close door for convenient operation
- Left/right side open revisable door to suit various space
- Ultra-quite design reduces noise level
- LED light for convenient operation

ENVIRONMENT FRIENDLY

- Natural refrigerant compliant with EPA and SNAP non-ozone depleting mandates
- CFC-Free polyurethane foaming insulation
- High efficiency cooling system for lower energy consumption and carbon emission

ALARMS

- High temperature
- Low temperature
- Door ajar
- Power failure
- Sensor error
- Low battery

SAFETY

- Build-in data storage and USB port for download
- Quick check of max/min temperature in 24 hours
- Password protection avoids key parameters unauthorized change
- Safety door lock, preventing unauthorized access
- Access port for additional temperature probe
- Remote alarm contacts
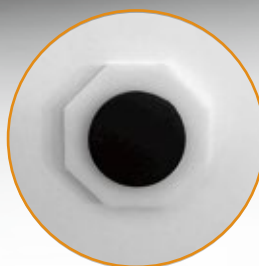
Safety door lock
Preventing unauthorized access

USB port
Temperature data storage and download

Adjustable shelves
Convenient storage of different
size products

Dual sensor system
Product sensor in aluminum block
to simulate real product temperature;
Control sensor in air for accurate control.

Access port
For easy access of additional
temperature probe

Remote alarm contact
Sending signal to a remote alarm system

ANTECH

LabSafe Series
-25°C/ Desktop/ MDF-25U60

ANTECH desktop lab freezer MDF-25U60 is ideal for small medical practices, pharmacies, and labs. It is a great choice when you need a small lab freezer for specialized medicines, vaccines or lab materials. It is perfectly suited for additional storage where space is a consideration. The MDF-25U60 is designed for the most rigorous life science, research, healthcare and clinical applications.

This unit uses environmentally friendly, natural refrigerants that are fully compliant with new EPA/SNAP/UL regulations.

▼ MDF-25U60

▼ With Stacking Kits

| CFC /HCFC FREE | USB PORT | POWER FAILURE ALARM | DOOR AJAR ALARM | REVERSIBLE DOORS | STACKABLE DESIGN |

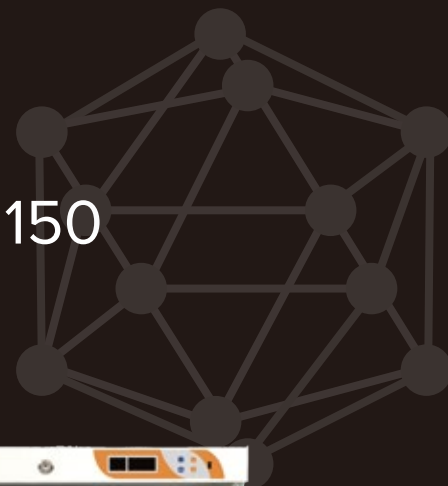| MODEL	MDF-25U60
Temperature range (°C)	-10～-25
Capacity (L)	65
External dimensions W×D×H (mm)	510×590×660
Shelves (pcs)	2
Data storage & USB port	●
Power supply	220V/50Hz; 220V/60Hz; 120V/60Hz

LabSafe Series
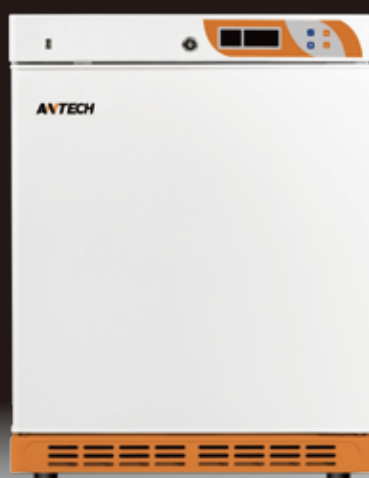## -25°C/Under-counter/ MDF-25U150

ANTECH undercounter lab freezer MDF-25U150 is ideal for small medical practices, pharmacies, and labs. Its height is designed to match laboratory table and optimized usage of limited space. Despite a compact freezer, the functions are complete for medical and laboratory applications, including data storage and USB port for download, high/low temperature alarm, door open alarm, power failure alarm, remote alarm contact, LED light etc. Therefore, MDF-25U150 meets the most rigorous requirements of healthcare and scientific research.

This unit uses environmentally friendly, natural refrigerants that are fully compliant with new EPA/SNAP/UL regulations.

MDF-25U150 is a stackable freezer (using Antech stacking kits) to install in a limited space. You can order with various combinations with flexibility for your specific demand.

▼ MDF-25U150

▼ With Stacking Kits

NATURAL REFRIGERANT	USB PORT	HIGH/LOW TEMPERATURE ALARM	DOOR AJAR ALARM	REVERSIBLE DOORS	STACKABLE DESIGN

MODEL	MDF-25U150
Temperature range (°C)	-10～-25
Capacity (L)	120
External dimensions W×D×H (mm)	600×680×812
Shelves (pcs)	3
Data storage & USB port	●
Power supply	220V/50Hz; 220V/60Hz; 120V/60Hz

LabSafe Series
-25°/MDF-25U270/400/600

LabSafe series upright lab freezers are used to store medicines, vaccines or lab materials in pharmacies, hospitals, clinics and labs. Product temperature sensor is put into aluminum block to simulate real product temperature. Access port is available for additional temperature probe.
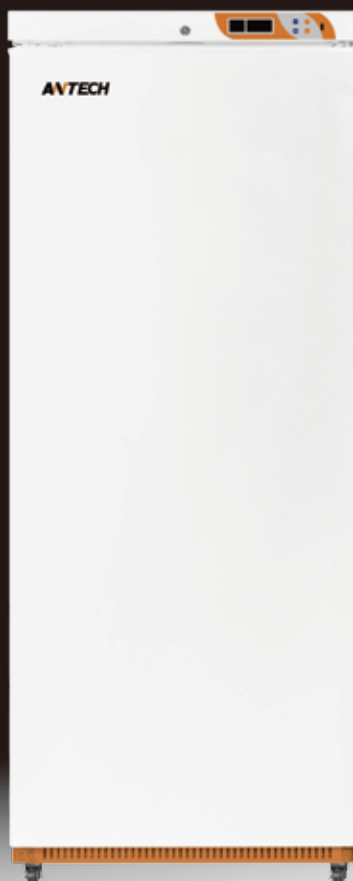
These units use environmentally friendly, natural refrigerants that are fully compliant with new EPA/SNAP/UL regulations.

Temperature data storage and USB port are supplied as standard. A pdf format file including temperature curve and temperature data can be downloaded. A quick check of maximum and minimum temperature record in previous 24 hours is available, making the job much easier for operators. LED light for convenient operation.

▼ MDF-25U270

▼ MDF-25U600

NATURAL REFRIGERANT | USB PORT | HIGH/LOW TEMPERATURE ALARM | POWER FAILURE ALARM | DOOR AJAR ALARM | REVERSIBLE DOORS

MODEL	MDF-25U270	MDF-25U400	MDF-25U600
Temperature range (°C)	-10～-25	-10～-25	-10～-25
Capacity (L)	280	380	550
External dimensions W×D×H (mm)	600×560×1585	600×680×1840	775×700×1945
Shelves (pcs)	5	6	6
Data storage & USB port	●	●	●
Power supply	220V/50Hz 220V/60Hz 120V/60Hz	220V/50Hz 220V/60Hz 120V/60Hz	220V/50Hz 220V/60Hz 120V/60Hz

Model		MDF-25U60			MDF-25U150			MDF-25U270			MDF-25U400			MDF-25U600		
Main specifications	Type	Desktop			Under-counter			Upright			Upright			Upright		
	Temperature range (℃)	-10～-25			-10～-25			-10～-25			-10～-25			-10～-25		
	Climate type	N			N			N			N			N		
	Capacity (L)	65			120			280			380			550		
	Internal W×D×H (mm)	410×450×420			500×540×570			500×450×1290			500×520×1550			645×530×1645		
	External W×D×H (mm)	510×590×660			600×680×812			600×560×1585			600×680×1840			775×700×1945		
	Weight（KGs）	31			41			61			74			95		
	Insulation (mm)	50			50			50			50			60		
	Cooling type	Direct cooling			Direct cooling			Direct cooling			Direct cooling			Direct cooling		
	Defrost	Manual			Manual			Manual			Manual			Manual		
	Refrigerant	R600a			R600a(220/60:R290)			R600a			R290			R290		
Control system	Controller	TC-200			TC-200			TC-200			TC-200			TC-200		
	Display	LED digital			LED digital			LED digital			LED digital			LED digital		
	Display accuracy	0.1			0.1			0.1			0.1			0.1		
Power	Power supply (V/Hz)	220/50	220/60	120/60	220/50	220/60	120/60	220/50	220/60	120/60	220/50	220/60	120/60	220/50	220/60	120/60
	Rated power (W)	95	95	115	120	140	170	220	220	200	220	220	230	250	250	230
	Rated Current (A)	0.7	0.7	0.9	1.1	1.3	1.7	1.7	1.7	1.8	1.7	1.7	2.0	1.7	1.7	2
Data memory	High/low temp check	●			●			●			●			●		
	USB port	●			●			●			●			●		
	Cloud monitoring (Wi-Fi)	○ CryoMonitor 2000TF															
Alarm functions	Visible/audible alarm	●			●			●			●			●		
	High/low temp	●			●			●			●			●		
	Sensor failure	●			●			●			●			●		
	Door open	●			●			●			●			●		
	Low battery	●			●			●			●			●		
	Power failure	●			●			●			●			●		
	Remote alarm contact	●			●			●			●			●		
Other feature	Door lock with key	●			●			●			●			●		
	Inner LED light	●			●			●			●			●		
	Adjustbale foot	●			●			●			N/A			N/A		
	Caster	N/A			N/A			N/A			●			●		
	Test access port	Φ20mm x 1			Φ20mm x 1			Φ20mm x 1			Φ20mm x 1			Φ20mm x 1		
	Shelves adjustable	1			2			5			5			5		
	Shelf at buttom	1			1			1			1			1		
	Door QTY	1			1			1			1			1		
Material	Exterior	Pre-coated steel			Pre-coated steel			Pre-coated Steel			Pre-coated steel			Pre-coated steel		
	Interior	Pre-coated aluminum			Pre-coated aluminum			Pre-coated aluminum			Pre-coated aluminum			Pre-coated aluminum		
	Door	Solid door			Solid door			Solid door			Solid door			Solid door		
	Insulation	Polyurethane			Polyurethane			Polyurethane			Polyurethane			Polyurethane		
Shipping	Gross weight (KGs)	39.5			50.5			73.5			92			112.5		
	Packing W×D×H (mm)	570×620×760			660×620×910			660×620×1630			660×700×1900			830×750×2000		
	Volume (m³)	0.27			0.37			0.67			0.88			1.25		