

-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. Available with a wide range of capacities and applications, from 60 liters for minor needs to 1400 liters for pharmaceutical warehouses. 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 reversible door (capacity less than 600 liters) to suit various space
- Ultra-quiet design reduces noise level
- LED light for convenient operation (capacity less than 600 liters)

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

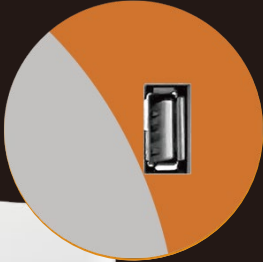
- High temperature
- Low temperature
- Door ajar
- Power failure
- Sensor error
- Low battery

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



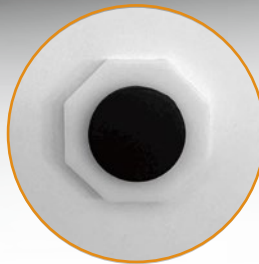
▶ **USB port**
Temperature data storage and download



▶ **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

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)	510×560×670
Shelves (pcs)	2
Data storage & USB port	Yes
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 A LARM



REVERSIBLE DOORS



STACKABLE DESIGN

MODEL	MDF-25U150
Temperature range (°C)	-10 ~ -25
Capacity (L)	120
External dimensions W×D×H (mm)	600×560×820
Shelves (pcs)	3
Data storage & USB port	Yes
Power supply	220V/50Hz; 220V/60Hz; 120V/60Hz

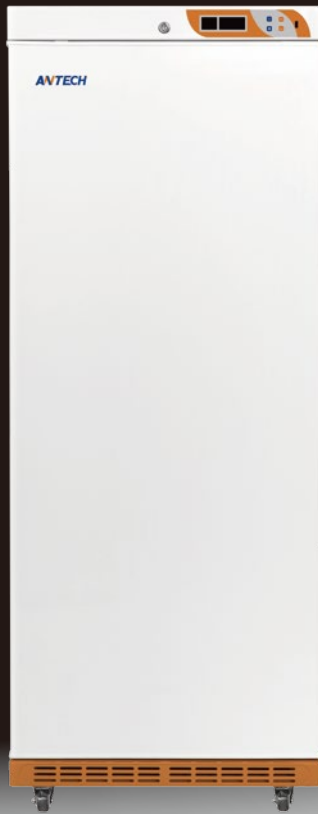
LabSafe Series

-25°/MDF-25U270/400/600

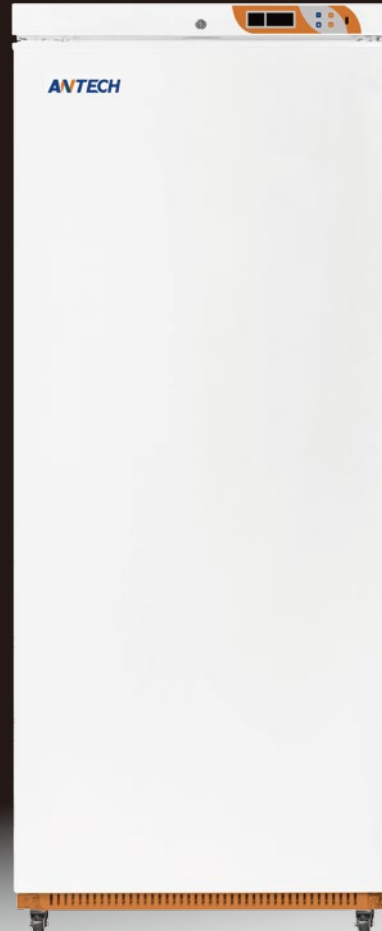
LabSafe series upright lab freezers are used to store medicines, vaccines or lab materials in pharmacies, hospitals, clinics and labs. Product temperature sensor is put into aluminum block to simulate real product temperature. Access port is available for additional temperature probe.

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)	600×560×1540	600×650×1805	775×750×1905
Shelves (pcs)	5	6	6
Data storage & USB port	Yes	Yes	Yes
Power supply	220V/50Hz 220V/60Hz 120V/60Hz	220V/50Hz 220V/60Hz 120V/60Hz	220V/50Hz 220V/60Hz 120V/60Hz

LabSafe Series

-30°C/ Forced-air Cooling MDF-25U600A/ 1100A

LabSafe series large capacity forced air cooling lab freezers are used to store large volume of medicines, vaccines or lab materials in pharmacies, hospitals, clinics and labs.

Forced-air circulation with air ducts guarantees inner temperature consistency. Large area evaporator provides sufficient cooling ability and excellent temperature uniformity. Auto-defrost for easy operation.

Forming inner doors for better insulation and less cooling loss during door openings. Adjustable shelves for convenient storage of different size products.

Temperature data storage and USB port are supplied as standard. A quick check of maximum and minimum temperature record in previous 24 hours is available. High/low temperature alarm, power failure alarm, door ajar alarm and remote alarm contacts are available for safety.

These units use environmentally friendly, natural refrigerants that are fully compliant with new EPA/SNAP/UL regulations.

▼ MDF-25U600A



▼ MDF-25U1100A



FORCE AIR COOLING



NATURAL REFRIGERANT



USB PORT



HIGH/LOW TEMPERATURE ALARM



POWER FAILURE ALARM



DOOR AJAR ALARM

MODEL	MDF-25U600A	MDF-25U1100A
Cooling type	Forced air	Forced air
Defrost type	Auto	Auto
Temperature range (°C)	-10~-30	-10~-30
Capacity (L)	600	1100
External dimensions W×D×H (mm)	780×827×1945	1300×827×1945
Shelves (pcs)	5	5
Data storage & USB port	Yes	Yes
Power supply	220V/50Hz; 220V/60Hz; 120V/60Hz	

-25°C

LabSafe series



	Model	MDF-25U60			MDF-25U150			MDF-25U270			MDF-25U400		
Main specifications	Type	Desktop			Under-counter			Upright			Upright		
	Temperature range (°C)	-10~-25			-10~-25			-10~-25			-10~-25		
	Climate type	N			N			N			N		
	Capacity (L)	65			120			280			380		
	Internal W×D×H (mm)	410×450×420			500×450×570			500×450×1290			500×510×1550		
	External W×D×H (mm)	510×560×670			600×560×820			600×560×1540			600×650×1805		
	Weight (KGs)	31			41			61			74		
	Insulation (mm)	50			50			50			50		
	Cooling type	Direct cooling			Direct cooling			Direct cooling			Direct cooling		
	Defrost	Manual			Manual			Manual			Manual		
	Refrigerant	R600a			R600a(220/60:R290)			R600a			R290		
Control system	Controller	TC-200			TC-200			TC-200			TC-200		
	Display	LED digital			LED digital			LED digital			LED digital		
	Display accuracy	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
	Rated power (W)	95	95	115	120	140	170	220	220	200	220	220	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
Data memory	High/low temp check	Yes			Yes			Yes			Yes		
	USB port	Yes			Yes			Yes			Yes		
	Cloud monitoring (Wi-Fi)	CryoMonitor 2000TF, optional			CryoMonitor 2000TF, optional			CryoMonitor 2000TF, optional			CryoMonitor 2000TF, optional		
Alarm functions	Visible/audible alarm	Yes			Yes			Yes			Yes		
	High/low temp	Yes			Yes			Yes			Yes		
	Sensor failure	Yes			Yes			Yes			Yes		
	Door open	Yes			Yes			Yes			Yes		
	Low battery	Yes			Yes			Yes			Yes		
	Power failure	Yes			Yes			Yes			Yes		
	Remote alarm contact	Yes			Yes			Yes			Yes		
Other feature	Door lock with key	Yes			Yes			Yes			Yes		
	Inner LED light	Yes			Yes			Yes			Yes		
	Adjustable foot	Yes			Yes			Yes			N/A		
	Caster	N/A			N/A			N/A			Yes		
	Test access port	Φ 20mm x 1			Φ 20mm x 1			Φ 20mm x 1			Φ 20mm x 1		
	Shelves adjustable	1			2			5			5		
	Shelf at bottom	1			1			1			1		
	Door QTY	1			1			1			1		
Material	Exterior	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		
	Door	Solid door			Solid door			Solid door			Solid door		
	Insulation	Polyurethane			Polyurethane			Polyurethane			Polyurethane		
Shipping	Gross weight (KGs)	39.5			50.5			73.5			92		
	Packing W×D×H (mm)	570×620×760			660×620×910			660×620×1630			660×700×1900		
	Volume (m ³)	0.27			0.37			0.67			0.88		

-25°C

LabSafe series



Model		MDF-25U600			MDF-25U600A			MDF-25U1100A		
Main specifications	Type	Upright			Upright			Upright		
	Temperature range (°C)	-10~-25			-10~-30			-10~-30		
	Climate type	N			N			N		
	Capacity (L)	550			600			1100		
	Internal W×D×H (mm)	645×530×1645			660×690×1400			1180×690×1400		
	External W×D×H (mm)	775×750×1905			780×827×1945			1300×827×1945		
	Weight (KGs)	95			158			228		
	Insulation (mm)	60			60			60		
	Cooling type	Direct cooling			Forced-air cooling			Forced-air cooling		
	Defrost	Manual			Auto defrost			Auto defrost		
	Refrigerant	R290			R290			R290		
Control system	Controller	TC-200			TC-200			TC-200		
	Display	LED digital			LED digital			LED digital		
	Display accuracy	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
	Rated power (W)	250	250	230	460	460	480	650	650	660
	Rated Current (A)	1.7	1.7	2	3.2	3.2	6.6	4.5	4.5	8.5
Data memory	High/low temp check	Yes			Yes			Yes		
	USB port	Yes			Yes			Yes		
	Cloud monitoring (Wi-Fi)	CryoMonitor 2000TF, optional			CryoMonitor 2000TF, optional			CryoMonitor 2000TF, optional		
Alarm functions	Visible/audible alarm	Yes			Yes			Yes		
	High/low temp	Yes			Yes			Yes		
	Sensor failure	Yes			Yes			Yes		
	Door open	Yes			Yes			Yes		
	Low battery	Yes			Yes			Yes		
	Power failure	Yes			Yes			Yes		
	Remote alarm contact	Yes			Yes			Yes		
Other feature	Door lock with key	Yes			Yes			Yes		
	Inner LED light	Yes			No			No		
	Adjustable foot	N/A			N/A			N/A		
	Caster	Yes			Yes			Yes		
	Test access port	Φ 20mm x 1			Φ 20mm x 1			Φ 20mm x 1		
	Shelves adjustable	5			5			5		
	Shelf at bottom	1			/			/		
	Door QTY	1			1			2		
Material	Exterior	Pre-coated steel			Pre-coated steel			Pre-coated steel		
	Interior	Pre-coated aluminum			Pre-coated steel			Pre-coated steel		
	Door	Solid door			Solid door			Solid door		
	Insulation	Polyurethane			Polyurethane			Polyurethane		
Shipping	Gross weight (KGs)	112.5			183			263		
	Packing W×D×H (mm)	830×750×2000			840×870×2150			1340×870×2150		
	Volume (m ³)	1.25			1.57			2.51		