

-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 reversible door to suit various space
- Ultra-quiet 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

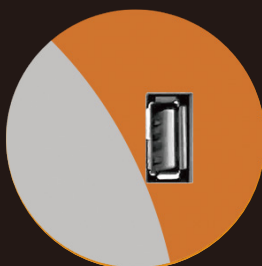
- High temperature
- Low temperature
- Door ajar
- Power failure
- Sensor error
- Low battery

SAFETY

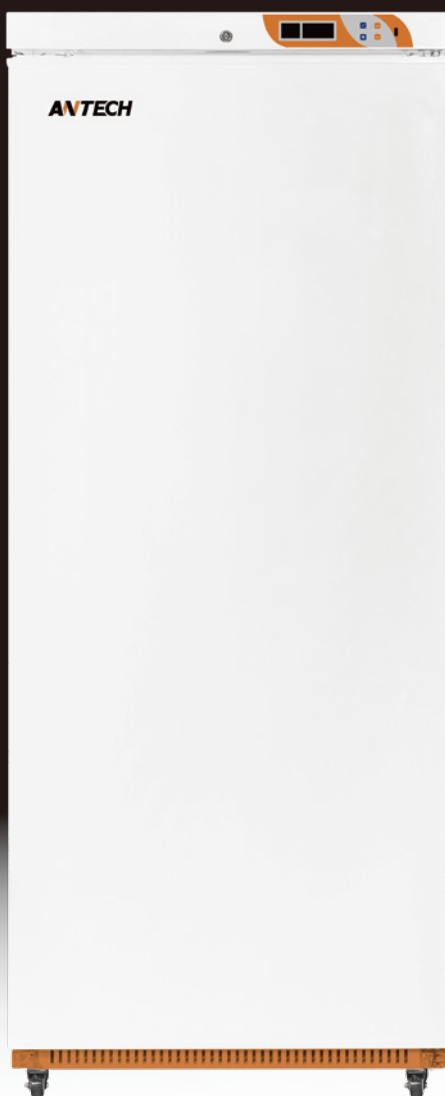
- Build-in data storage and USB port for download
- Quick check of max/min temperature in 24 hours
- Password protection avoids key parameters unauthorized change
- Safety door lock, preventing unauthorized access
- Access port for additional temperature probe
- Remote alarm contacts



- ▶ **Safety door lock**
Preventing unauthorized access



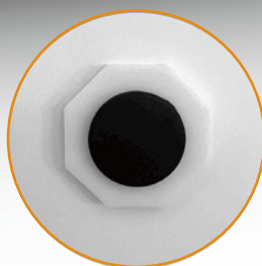
- ▶ **USB port**
Temperature data storage and download



- ▶ **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

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 A
LARM



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

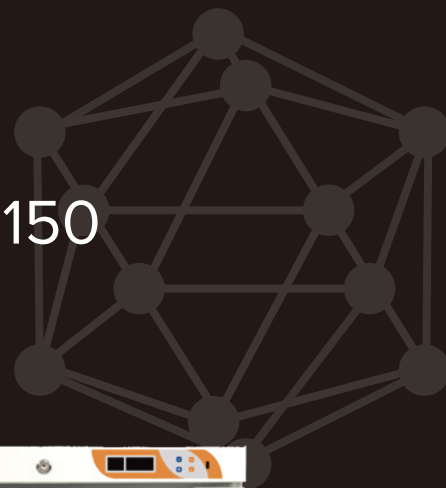
LabSafe Series

-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 A
LARM



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

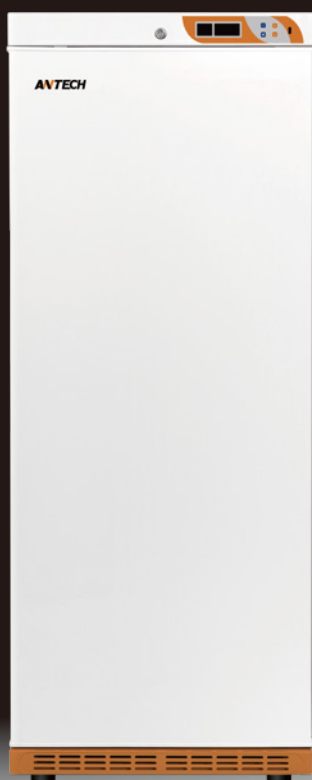
-25°/MDF-25U270/400/600

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 A
LARM



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

-25°C

LabSafe series



Model		MDF-25U60	MDF-25U150	MDF-25U270	MDF-25U400	MDF-25U600
Basic	Type	Desktop	Under-counter	Upright	Upright	Upright
	Temperature range (°C)	-10~-25	-10~-25	-10~-25	-10~-25	-10~-25
	Climate type	N	N	N	N	N
	Capacity (L)	65	120	280	380	550
	Cooling type	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost type	Manual	Manual	Manual	Manual	Manual
	Refrigerant	R600a	R600a	R600a	R290	R290
Control	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
	Backup for alarm (Hrs)	48	48	48	48	48
	High/low temp check	●	●	●	●	●
	USB port	●	●	●	●	●
	Cloud monitoring (Wi-Fi)	○	○	○	○	○
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)	0.65; 0.65; 0.85	1.1; 1.3; 1.7	1.7; 1.7; 1.8	1.7; 1.7; 2.0	1.7; 1.7; 2.0
Alarm	Visible/audible alarm	●	●	●	●	●
	High/low temp	●	●	●	●	●
	Sensor failure	●	●	●	●	●
	Door open	●	●	●	●	●
	Low battery	●	●	●	●	●
	Power failure	●	●	●	●	●
	Remote alarm contact	●	●	●	●	●
Accessories	Door lock with key	●	●	●	●	●
	Door type	Solid door	Solid door	Solid door	Solid door	Solid door
	LED light	●	●	●	●	●
	Test access port	Φ19mm x 1	Φ19mm x 1	Φ19mm x 1	Φ19mm x 1	Φ19mm x 1
	Adjustable shelves Qty	1	2	5	5	5
	Shelf at bottom Qty	1	1	1	1	1
	Adjustable foot	●	●	●	/	/
	Caster	/	/	/	●	●
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
	Insulation	Polyurethane, 50mm	Polyurethane, 50mm	Polyurethane, 50mm	Polyurethane, 50mm	Polyurethane, 60mm
Weight & size	Net weight (kg)	33	43	61	74	95
	Gross weight (kg)	40	51	74	92	113
	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
	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