-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

ALARMS

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

ERGONOMIC DESIGN

- Self-close door for convenient operation
- Left/right side open revisable door (capacity less than 600 liters) to suit various space
- Ultra-quite design reduces noise level

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
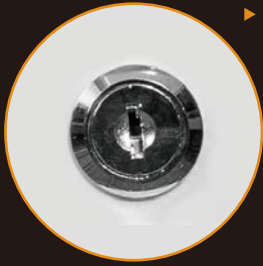- Remote alarm contacts

ENVIRONMENT FRIENDLY

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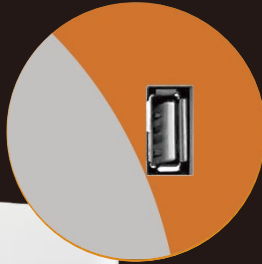- High efficiency cooling system for lower energy consumption and carbon emission

Safety door lock
Preventing unauthorized access

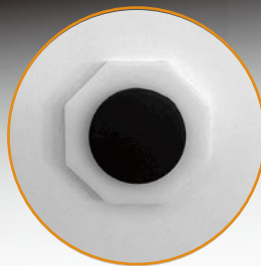**USB port**
Temperature data storage and download

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.

ANTECH

Access port
For easy access of additional temperature probe

Remote alarm contact
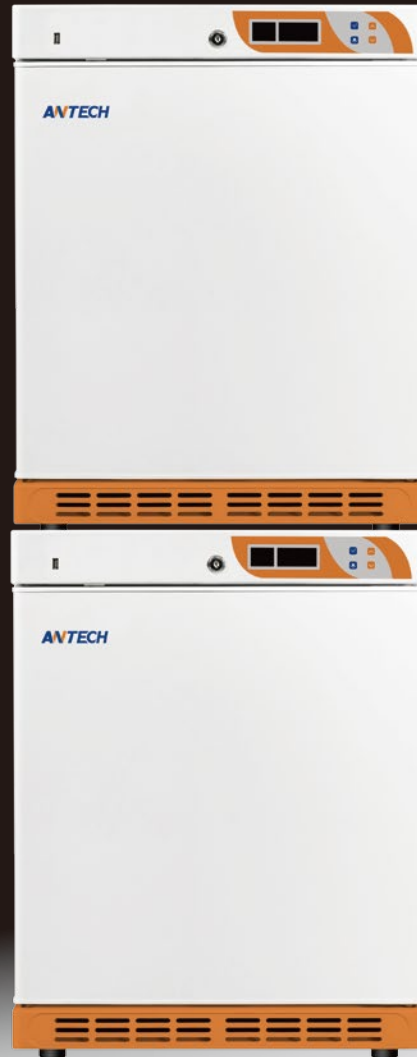Sending signal to a remote alarm system

LabSafe Series
-25℃/ 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 (℃)	-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, 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 |

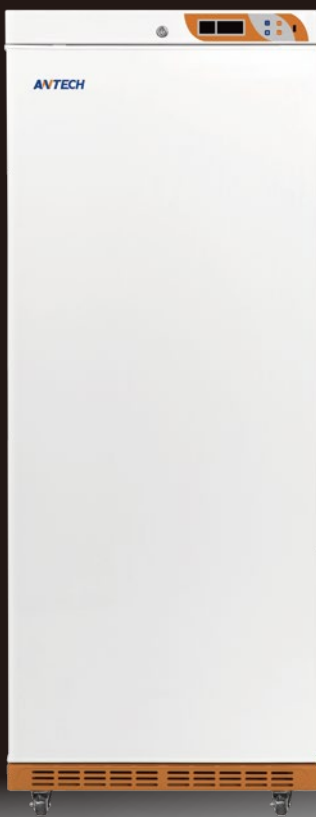| MODEL	MDF-25U150
Temperature range (°C)	-10～-25
Capacity (L)	120
External dimensions W×D×H (mm)	600×560×820
Shelves (pcs)	3
Data storage & USB port	Yes
Power supply	220V/50Hz; 220V/60Hz; 120V/60Hz

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.

▼ 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 (℃)	-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）	33	43	61	71
	Insulation (mm)	50	50	50	50
	Cooling type	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost	Manual	Manual	Manual	Manual
	Refrigerant	R600a	R600a	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)	220V/50Hz, 220V/60Hz 120V/60Hz	220V/50Hz, 220V/60Hz 120V/60Hz	220V/50Hz, 220V/60Hz 120V/60Hz	220V/50Hz, 220V/60Hz 120V/60Hz
	Rated power (W)	105	120	145	180
Data memory	High/low temp check	Yes	Yes	Yes	Yes
	USB port	Yes	Yes	Yes	Yes
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
	Adjustbale foot	Yes	Yes	Yes	N/A
	Caster	N/A	N/A	N/A	Yes
	Test access port	Φ20mm x 1	Φ20mm x 1	Φ20mm x 1	Φ20mm x 1
	Adjustable shelves QTY	2	3	5	6
	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)	36	46	67	78
	Packing W×D×H (mm)	570×620×760	660×620×910	660×620×1630	660×700×1900
	Volume (m³)	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）	98	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)	220V/50Hz, 220V/60Hz 120V/60Hz	220V/50Hz, 220V/60Hz 120V/60Hz	220V/50Hz, 220V/60Hz 120V/60Hz
	Rated power (W)	170	460	650
Data memory	High/low temp check	Yes	Yes	Yes
	USB port	Yes	Yes	Yes
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	Yes	Yes
	Adjustbale foot	N/A	N/A	N/A
	Caster	Yes	Yes	Yes
	Test access port	Φ20mm x 1	Φ20mm x 1	Φ20mm x 1
	Adjustable shelves QTY	6	5	5
	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)	106	173	232
	Packing W×D×H (mm)	830×750×2000	840×870×2150	1340×870×2150
	Volume (m³)	1.25	1.57	2.51