



**Templin**<sup>TM</sup>  
*preserving life*

**Laboratory/Pharmaceutical  
Freezer (Temperature Range  
-10° To -30°)**



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# EXPLANATION OF ICONS



Low CO2 emissions  
Optimized refrigeration system for lower power consumption and reduced CO2 emissions



Password protection  
Protected engineer mode, avoids unauthorized change of key parameters



Natural refrigerant  
Natural gas is used to reduce GHG (greenhouse gas) emissions and protect climate.



Door ajar alarm  
Alarm activated if door open up for a certain time.



CFC /HCFC free  
Environment friendly refrigerant, harmless to ozone.



High/low temperature alarm  
Sound / flash alarm to remind user when chamber temperature is out of desired range



Force air cooling  
for excellent temperature uniformity & fast cool-down after door openings



Power failure alarm  
Sound alarm after power failure, avoid potential loss caused by temperature rise



Direct cooling  
Optimized direct cooling system with high efficiency



Reversible doors  
Left or right side open reversible door for flexible installations



USB port  
Temperature data storage & USB port for download



Stackable design  
The refrigerator or freezer is stackable (using ANTECH stacking kits) to save space



Safety door lock  
Preventing unauthorized access



CE certification  
CE certified model, safety guaranteed

## -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

### ENVIRONMENT FRIENDLY

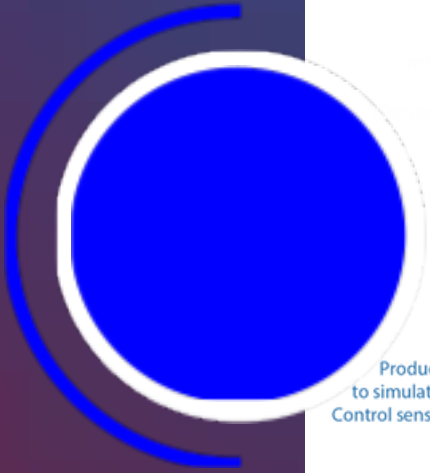
- Natural refrigerant compliant with EPA and SNAP non-ozone depleting mandates
- CFC-Free polyurethane foaming insulation
- High efficiency cooling system for lower energy consumption and carbon emission

### ALARMS

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

### SAFETY

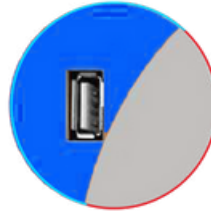
- Build-in data storage and USB port for download
- Quick check of max/min temperature in 24 hours
- Password protection avoids key parameters unauthorized change
- Safety door lock, preventing unauthorized access
- Access port for additional temperature probe
- Remote alarm contacts



Safety door lock  
Preventing unauthorized access



USB port  
Temperature data storage and download



Forced air cooling  
Excellent temperature uniformity  
and fast recovery after door open



Adjustable shelves  
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°/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.



**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 WxDxH (mm)	600x560x1540	600x650x1805	775x750x1905
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.



[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 WxDxH (mm)	780x827x1945	1300x827x1945
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 WxDxH (mm)	410x450x420	500x450x570	500x450x1290	500x510x1550
	External WxDxH (mm)	510x560x670	600x560x820	600x560x1540	600x650x1805
	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
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
	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
	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 WxDxH (mm)	570x620x760	660x620x910	660x620x1630	660x700x1900
	Volume (m <sup>3</sup> )	0.27	0.37	0.67	0.88



**-25°C**

**LabSafe series**

	Model	MDF-25U600	MDF-25U600A	MDF-25U100A
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 WxDxH (mm)	645×530×1645	660×690×1400	1180×690×1400
	External WxDxH (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
	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
	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 WxDxH (mm)	830×750×2000	840×870×2150	1340×870×2150
	Volume (m³)	1.25	1.57	2.51



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