METHER
PM

METHER
METHER & PROMED
SCIENCE & BIOMEDICAL

Anhui Zhongke Duling Commercial Appliance Co.,Ltd

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Anhui Zhongke Duling Commercial Appliance Co.,Ltd

COMPANY PROFILE

Anhui Zhongke Duling Commercial Appliance Co.ltd is a high-tech enterprise which specialized in designing, manufacturing and marketing of laboratory & medical refrigerators and freezers, such as pharmacy refrigerators, ultra low temperature freezers, deep freezers, cold room, customized commercial freezers and cold chain equipment .

We pursue the concept of "For a healthy world, For a healthy future" with the strong technical support from R&D team. We produce environmentally friendly products for high-end brand technical areas like research institutes, hospitals, laboratories, commercial retails with the dedication to build a green bridge for health of the humanity and the world.

We had obtained the national & international certification of ISO13485, ISO9001, ISO14001, strike forward to the international first-class enterprise with the quality management goal of orderly, continuous improvement and controllable risk.

Operating honestly, focusing on quality and complying with the law is our basic principle. We aim to serve for the society and for a better environment with producing environmentally products and offering best customer service.

CERTIFICATE
OF HONOR

Medical device production license

医疗器械生产许可证
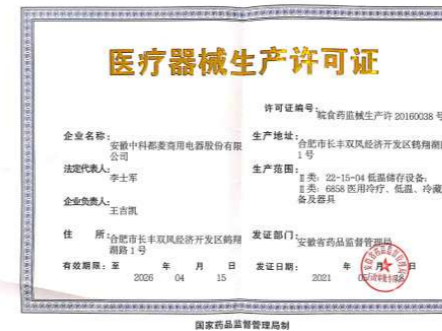
FOR A HEALTHY WORLD
FOR A HEALTHY FUTURE

METHERBRAND

"Safety, Profession, Environmental Protection"

In order to meet the needs of the international and domestic market, relying on specialized technical R&D and production team, we have introduced advanced refrigeration technology from Europe to build high-end medical research equipment in China. METHER brand not only adhering the principle of the company's management of "For a healthy world, For a healthy future", but also effectively interpret the company's innovation concept to meet the increasingly diversified needs from domestic and abroad. With the introduction of western advanced technology and constantly innovation of R&D team, we had obtained the world's unique double cooling system and double cascade system technology of ultra-low temperature freezer and applied multiple national invention patents in 2017.

PROMEDBRAND

"Value, Stability , Energy Saving"

We are committing to implement the strategic objectives of "Build the world-famous brand, cast the decades enterprise" since the establishment of PROMED. We constantly released new products with the demand of market, developed multiple energy saving ultra-low temperature freezers which widely used in laboratory of colleges, and industry of medical, electronic, chemical, military along with the agriculture, forestry, animal husbandry and fishery. Mix refrigeration technology would save energy by 50%, two cascade system technology would be more environmental, humanized design would be more realistic, professional after-sale service would be more considerate.

BRAND STORY

CONTENTS

PROMED

SERIES

-150℃ Cryogenic Freezer

MDF-150H128

LCD Touch Screen

SAFETY

- Malfunction alarms including high and low temperature, power failure, sensor error, clean-filter, and condenser clean, abnormal voltage, low battery thermostat failure,
- Capable of producing two types of alarm outputs, audible buzzer and visible flashing light.
- Door open feature standard and USB port for temperature date downloading standard on upright models.
  Remote alarm contacts.

INSTALLATION AND APPLICATION

- 380v / 50HZ electrical design, stable power supply, rapid cooling, rapid cooling in 6 hours
- Suitable for 10℃ to 32℃ambient temperature

FILED PROVEN RELIABILITY

- 7 inches touch screen to display current temp, history temp, all alarm records and data.
- Standard with USB port to download alarm and temp data
- Non-flammable HC refrigerant to guarantee users' safe.
- Emergency stop to protect operator

KEY DESIGN FEATURES

- Microprocessor-controlled system designed for controlled rage of -40℃ to -150℃or cabinet space with 1℃ increment
- Settable high temperature and low temperature alarms.
- Optional temperature recorder, storage racks and storage box

ENERGY SAVING

- Unique door seal design for the minimum loss of cold temperature during a door opening
- 200 mm thickness without CFC insulation to minimizecabinet heat gain and to improve temperature stability.

This product is specially designed and manufactured for long term storage of various biological product,including viruses, germs. erythrocytes, leucocyte and cutis. Applications can be found in blood banks, hospitals, epidemic prevention services, and research institutes, laboratories in electronic and chemical plants. bio-logical engineering institutes and marine fishery companies.

MODEL	Ambient temp.（℃）	Temp. range（℃）	Sensor	Voltage/frequency（V/Hz）	Inside material	Capacity（L/cu.ft）	Exterior size(W*D*H)(mm)	20GP/40GP/40HQ	USB	Certification	LCD Touch Screen
MDF-150H128	10~32℃	-40℃～-150℃	PT100	380V/50Hz	Stainless steel	128L	1555*956*1047	6/14/14	Y	CE	Y

METHER

SERIES
-86 ℃ Dual System

MDF-86V728D

This product is specially designed and manufactured for long term storage of various biological product,including viruses, germs. erythrocytes, leucocyte and cutis. Applications can be found in blood banks, hospitals, epidemic prevention services, and research institutes, laboratories in electronic and chemical plants. bio-logical engineering institutes and marine fishery companies.

-86 ℃ Mether Dual System

FILED PROVEN RELIABILITY
- Unique insulated inner door design for four separate storage compartments to minimize frost buildup inside the chamber.
- Specialized control system design for a well-balanced operation of dual refrigeration system.
- Positive filed proven reliability record.

SAFETY
- Malfunction alarms including high and low temperature, power failure, sensor error, clean-filter, and extremely high ambient , abnormal voltage, thermostat failure, low battery, condenser clean, door ajar.
- Capable of producing two types of alarm outputs, audible buzzer and visible flashing light.
- Door open feature standard and USB port for temperature date downloading standard on upright models.
- Remote alarm contacts.

INSTALLATION AND APPLICATION
- Wide rage operating voltage system from 187V to 242V designed to allow units installed in areas with poor voltage condition
- Suitable for 10℃ to 32℃ambient temperature

ENERGY SAVING
- Unique door seal design for the minimum loss of cold temperature during a door opening.
- High performance VIP insulation panels to minimize cabinet heat gain and to improve temperature stability.

KEY DESIGN FEATURES
- Microprocessor-controlled system designed for controlled rage of -40℃ to -86℃ for cabinet space with 1℃ increment
- Settable high temperature and low temperature alarms.
- Automatic clean-filter alarm and sensor error alert.
- Adjustable storage shelf height
- Optional temperature recorder, storage racks and storage box
- Double security with two independent cooling system, when one system breakdown, the other system could maintain the inner temperature at -70℃.

MDF-86V838D   MDF-86V588D   MDF-86V408DL

METHER -86℃ Dual System

PAGE 03 PAGE 04

2 individual inner doors can be opened independently to minimize frost buildup inside the chamber
Unique door seal design for the minimum loss of cold temperature during a door opening
Stainless Steel handle to ensure the door open conveniently even in the case of frost

Excellent Doors Seals
5 gasket seal, 4 seals for out door

7 Inches touch Screen
All data display on the screen, easy to observe

Write Board for short records which would pass to next user

Green Handle, easy to use with 2 locks

Special V.I.P(Vacuum Insulation Panel) design with extra insulation fatorcuts down heat loss to cabinet by 25%
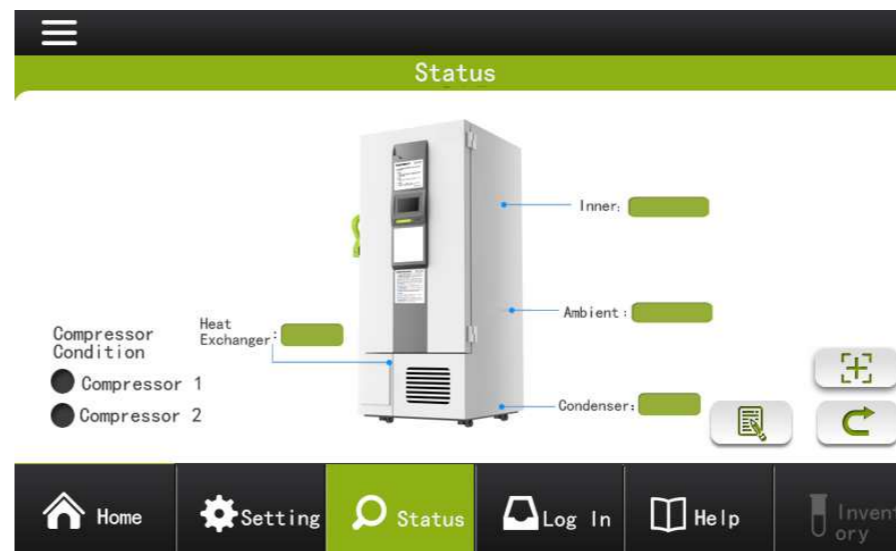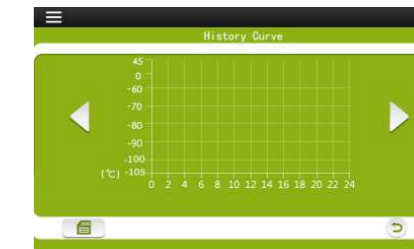
Big condenser for better heat dissipation

Changeable sensor box or you could put another sensor from here to monitor or record temperature

-86 ℃ Mether Dual System

--7 Inches Touch Screen & Functions

Status

Alarm	Alarm Triggering Condition
High Temperature	Temperature reaches the warm alarm limit
Low Temperature	Temperature reaches the low alarm limit
Power Failure	Equipment loses power
Door Ajar	Door open period exceeds 5 mins
Probe Failure	1. Main cabinet temperature control sensor fails 2. Condenser sensor fails 3. Ambient sensor fails 4. Heat exchanger sensor fails 5. Heat exchanger temperature fails
Low Battery	Battery capacity runs low or battery switch is not turned on
Hot Condenser	1. Condensers filter element is clogged 2. Ambient temperature is too high
High Ambient Temperature	Ambient temperature exceeds 32°C
Other alarms	1. Thermostat failure 2. Abnorml voltage alarm

METHER -86°C Dual System

Dual System Circulation System
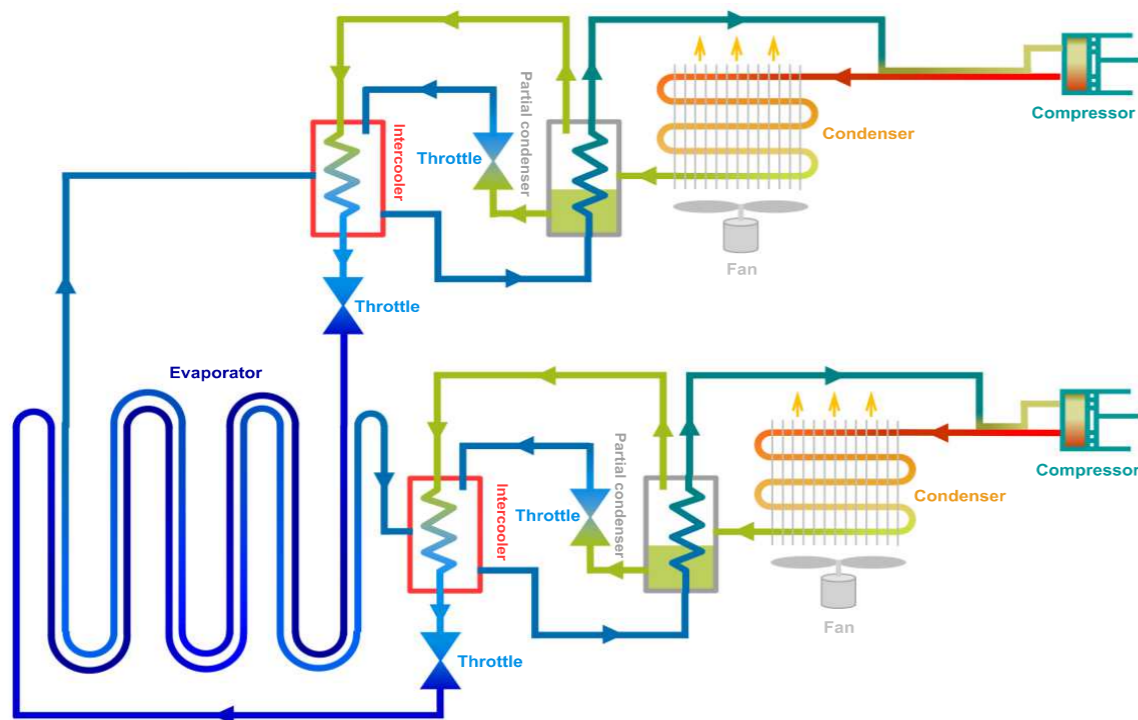
Partial condenser
Throttle
Intercooler
Condenser
Compressor
Fan
Throttle
Evaporator
Throttle
Partial condenser
Intercooler
Throttle
Condenser
Compressor
Fan

METHER
SERIES

-86℃ Cascade System

MDF-86V338   MDF-86V408   MDF-86V588   MDF-86V728   MDF-86V838
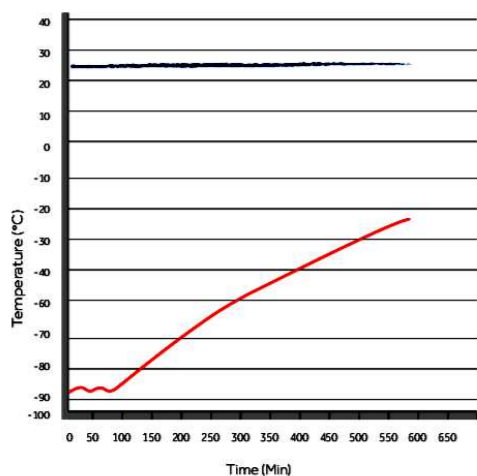
Pull-up test at 25℃ ambient
MDF-86V588D
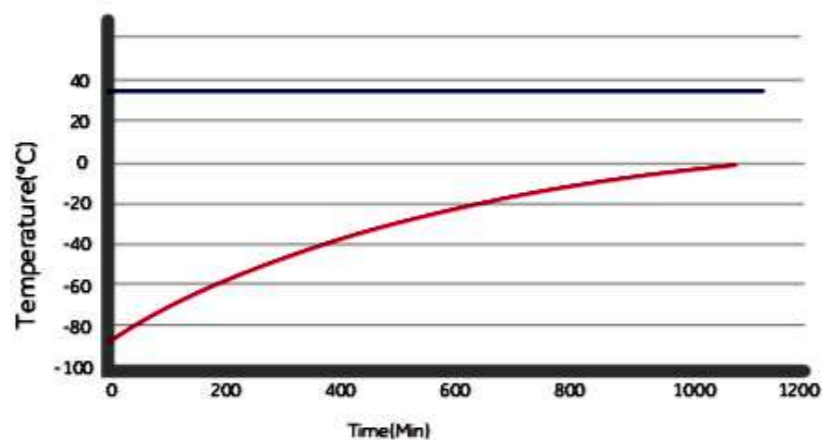
Pull-up test at 32℃ ambient
MDF-86V588D

-86 ℃ Mether Cascade System

FILED PROVEN RELIABILITY

- Unique insulated inner door design for four separate storage compartments to minimize frost buildup inside the chamber.
- Specialized control system design for a well-balanced operation of cascade refrigeration system.
- Positive filed proven reliability record.

ENERGY SAVING

- Unique door seal design for the minimum loss of cold temperature during a door opening.
- High performance VIP insulation panels to minimize cabinet heat gain and to improve temperature stability.
- HC Refrigerant with better efficiency & less energy cost, good for environment.

SAFETY

- Malfunction alarms including high and low temperature, power failure, sensor error, clean-filter, and extremely high ambient , abnormal voltage, thermostat failure, low battery, condenser clean, door ajar.
- Capable of producing two types of alarm outputs, audible buzzer and visible flashing light.
- Door open feature standard and USB port for temperature date downloading standard on upright models.
- Remote alarm contacts.

KEY DESIGN FEATURES

- Microprocessor-controlled system designed for controlled rage of -40℃ to -86℃ for cabinet space with 1℃ increment
- Settable high temperature and low temperature alarms.
- Automatic clean-filter alarm and sensor error alert.
- Adjustable storage shelf height
- Optional temperature recorder, storage racks and storage box

INSTALLATION AND APPLICATION

- Wide rage operating voltage system from 187V to 242V designed to allow units installed in areas with poor voltage condition
- Suitable for 10℃ to 32℃ambient temperature
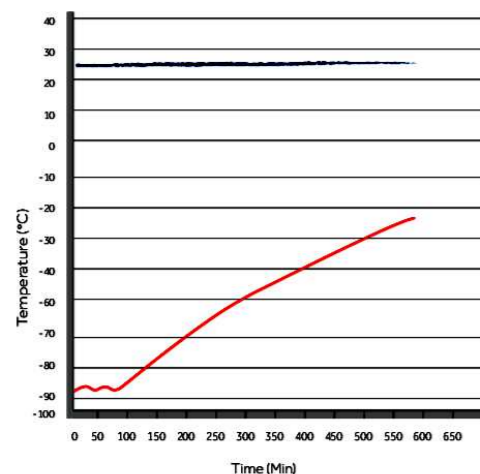
Pull-up test at 25℃ ambient
MDF-86V728
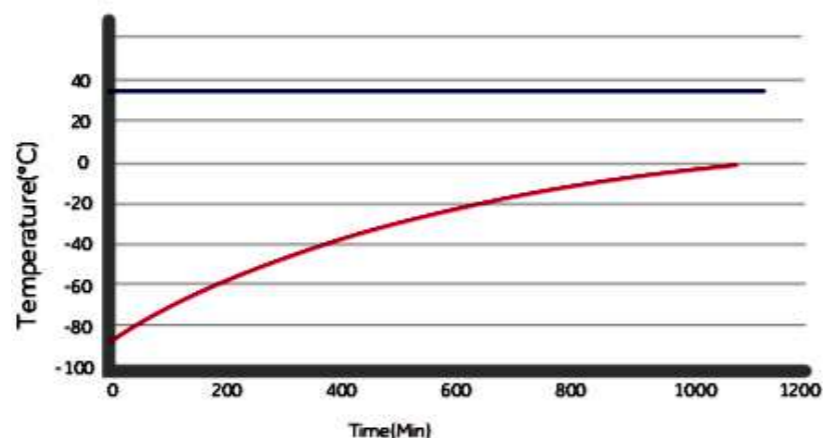
Pull-up test at 32℃ ambient
MDF-86V728

Cascade System Heat Exchange Circulation

Condenser
Compressor
Throttle
Heat exchanger
Fan
Throttle
Evaporator
Oil separator
Heat exchanger
Condenser
Fan
Compressor
Throttle
Expansion Tank

METHER -86°C Cascade System

-86 ℃ Mether Cascade System
--7 Inches Touch Screen & Functions

Alarm	Alarm Triggering Condition
High Temperature	Temperature reaches the warm alarm limit
Low Temperature	Temperature reaches the low alarm limit
Power Failure	Equipment loses power
Door Ajar	Door open period exceeds 5 mins
Probe Failure	1. Main cabinet temperature control sensor fails 2. Condenser sensor fails 3. Ambient sensor fails 4. Heat exchanger sensor fails 5. Heat exchanger temperature fails
Low Battery	Battery capacity runs low or battery switch is not turned on
Hot Condenser	1. Condensers filter element is clogged 2. Ambient temperature is too high
High Ambient Temperature	Ambient temperature exceeds 32°C
Other alarms	1. Thermostat failure 2. Abnorml voltage alarm

2 individual inner doors can be opened independently to minimize frost buildup inside the chamber
Unique door seal design for the minimum loss of cold temperature during a door opening
Stainless Steel handle to ensure the door open conveniently even in the case of frost

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Special V.I.P(Vacuum Insulation Panel) design with extra insulation fatorcuts down heat loss to cabinet by 25%

Big condenser for better heat dissipation

Changeable sensor box or you could put another sensor from here to monitor or record temperature

PROMED

SERIES

-86 ℃ Self- Cascade System

MDF-86V728E

MDF-86V838E   MDF-86V588E   MDF-86V340E   MDF-86V188E   MDF-86V58

This product is specially designed and manufactured for long term storage of various biological product,including viruses, germs. erythrocytes, leucocytes and cutis. Applications can be found in blood banks, hospitals, epidemic prevention services, and research institutes, laboratories in electronic and chemical plants. bio-logical engineering institutes and marine fishery companies.

PROMED -86°C Self-Cascade System

SAFETY
- Malfunction alarms including high and low temperature, power failure, sensor error, clean-filter, and extremely high ambient , abnormal voltage, thermostat failure, low battery, condenser clean, door ajar.
- Capable of producing two types of alarm outputs, audible buzzer and visible flashing light.
- Door open feature standard and USB port for temperature date downloading standard on upright models.
- Remote alarm contacts.

INSTALLATION AND APPLICATION
- Wide rage operating voltage system from 187V to 242V designed to allow units installed in areas with poor voltage condition
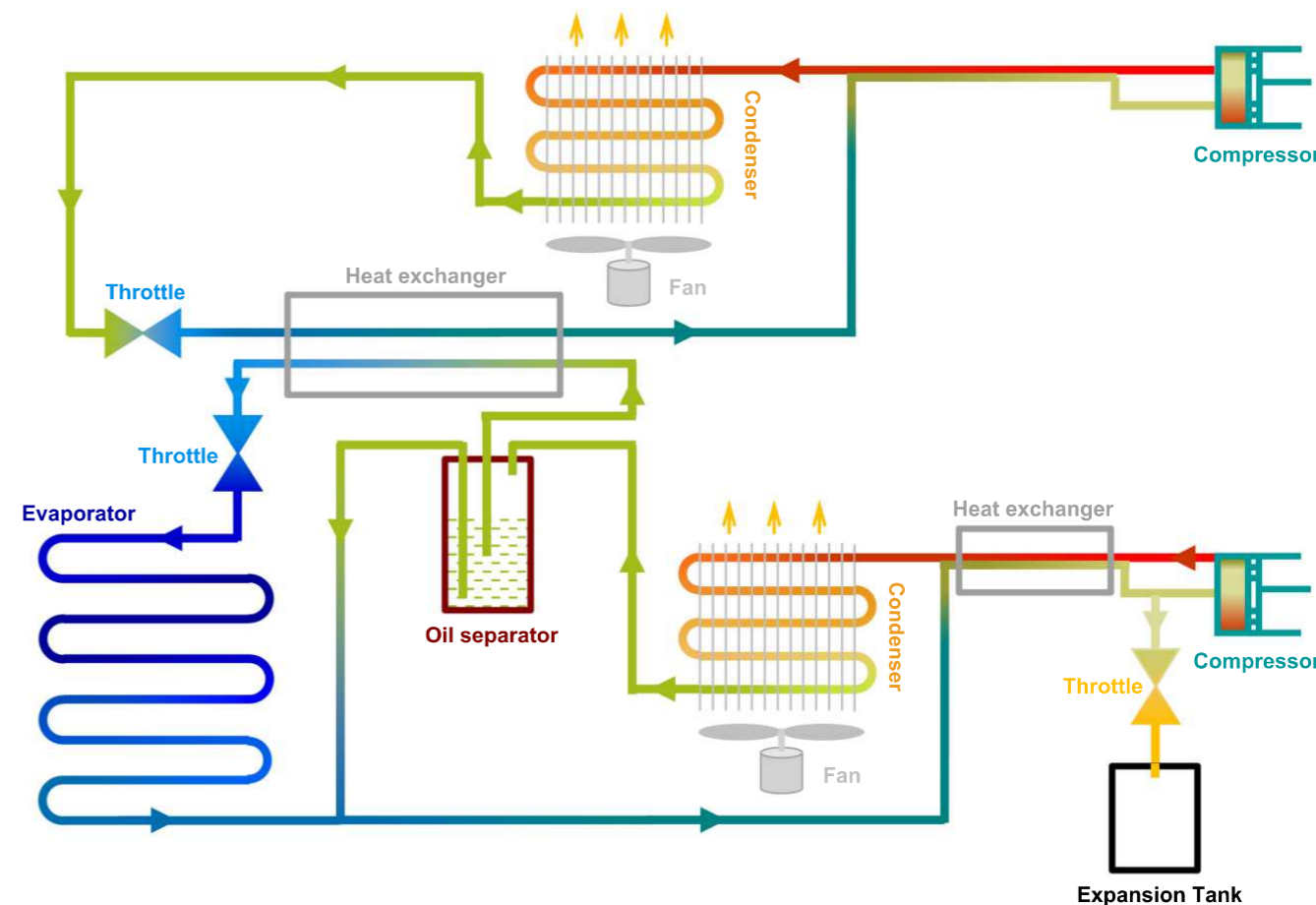- Suitable for 10℃ to 32℃ambient temperature

FILED PROVEN RELIABILITY
- Unique insulated inner door design for four separate storage compartments to minimize frost buildup inside the chamber.
- Specialized control system design for a well-balanced operation of cascade refrigeration system.
- Positive filed proven reliability record.

KEY DESIGN FEATURES
- Microprocessor-controlled system designed for controlled rage of -40℃ to -86℃ for cabinet space with 1℃ increment
- Settable high temperature and low temperature alarms.
- Automatic clean-filter alarm and sensor error alert.
- Adjustable storage shelf height
- Optional temperature recorder, storage racks and storage box

ENERGY SAVING
- Unique door seal design for the minimum loss of cold temperature during a door opening.
- High performance VIP insulation panels to minimizecabinet heat gain and to improve temperature stability.

-86 ℃ Self- Cascade System

Compressor

Condenser

Partial condenser

Intercooler

Throttle

Throttle

Fan

Evaporator

Pull-up test at 25℃ ambient

Time(Min)

Pull-up test at 32℃ ambient

Time(Min)
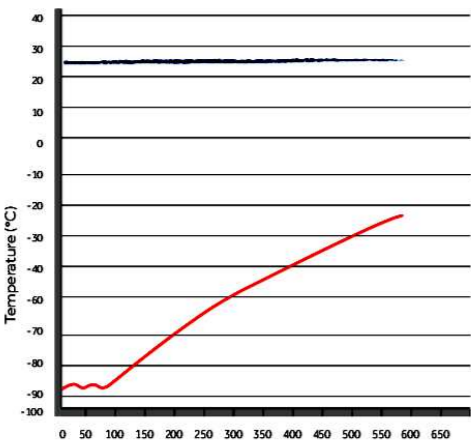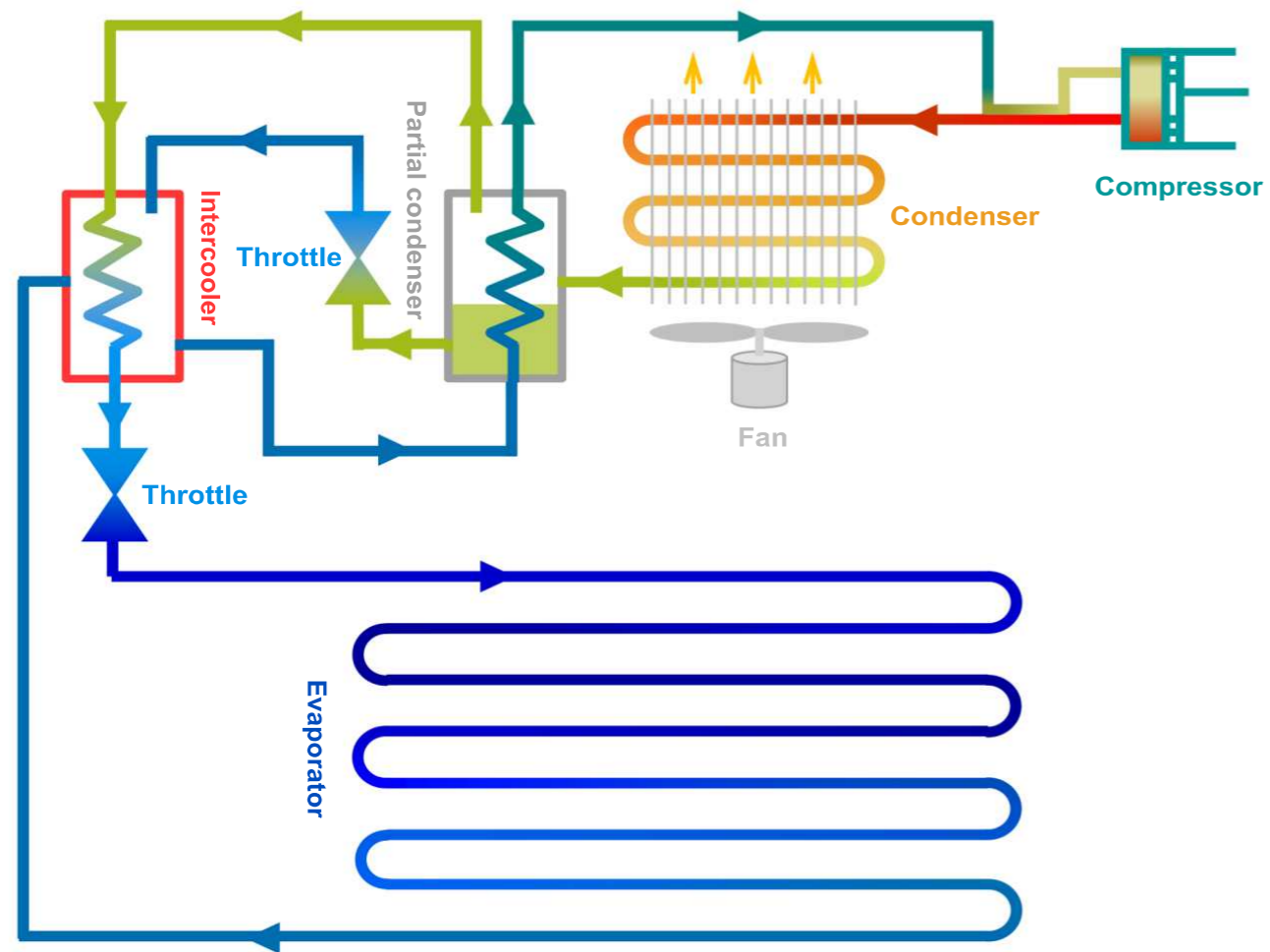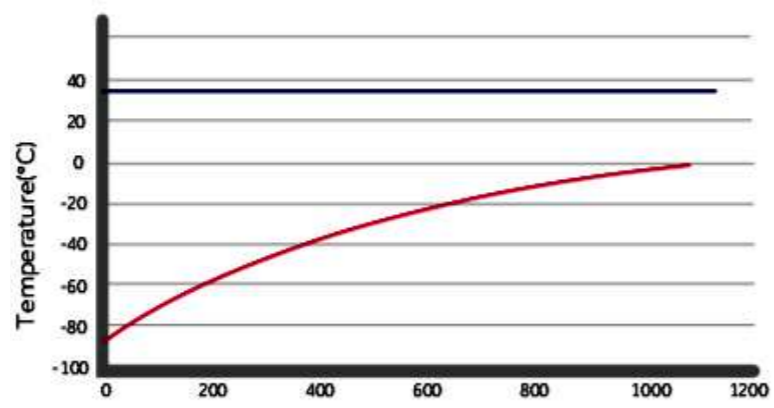
-86 ℃ Self- Cascade System

3 individual inner doors can be opened independently to minimize frost buildup inside the chamber.
Unique door seal design for the minimum loss of cold temperature during a door opening.
Stainless Steel inner handle to ensure the door open conveniently even in the case of frost.

Excellent Doors Seals 5 gasket seal, 4 seals for out door, 1 seal for inner door which provides maximum protection against thermal intrusion

Big Door handle, easy to open

Controller Panel with press button Alarm status shows on it, easy for attention

Sample port on back for temperature monitoring conveniently

Big condenser for better heat dissipation, Ambient Temperature sensor

-86 ℃ Self- Cascade System

Eye-level controls for quick and easy programming and viewing

Display for working temperature,setting temperature,high-alarming temperature, low-alarming temperature,password setting, and codes error

Audio alarm

Silencing sound alarm

Operating status display

Malfunction detection Visual alarm

Selecting function

Adjusting key

Alarm	Alarm Triggering Condition
High Temperature	Temperature reaches the warm alarm limit
Low Temperature	Temperature reaches the low alarm limit
Power Failure	Equipment loses power
Door Ajar	Door open period exceeds 5 mins
Probe Failure	1. Main cabinet temperature control sensor fails 2. Condenser sensor fails 3. Ambient sensor fails 4. Heat exchanger sensor fails 5. Heat exchanger temperature fails
Low Battery	Battery capacity runs low or battery switch is not turned on
Hot Condenser	1. Condensers filter element is clogged 2. Ambient temperature is too high
High Ambient Temperature	Ambient temperature exceeds 32°C
Other alarms	1. Thermostat failure 2. Abnorml voltage alarm

-86 ℃ Self- Cascade System

MDF-86H485   MDF-86H105

CHARACTERISTIC FUNCTION

• Safety door lock design to prevent abnormal door open
• Wide voltage for AC187V-AC242V
• Mute design for salient needed environment
• Digital display with big screen, easy to check
• Excellent thermal insulation peormance with silicone door seal design (second door seal optional)
• Mobile and fixable wheel for move

BOX

• The box is made of high quality cold rolled steel plate, and the surface is treated with advance anti-corrosion phosphatic spraying process with elegant orange powder coating. High-class 304 SUS inner box, durable and reliable.

SAFETY GUARANTEE

• Temperature high/low alarm, sensor malfunction alarm,thermostat failure alarm
• Audible and visible alarm
• Keyboard lockable, password protection o pe change running parameter randomly
• Display running parameter with real-time monioring to guarantee the stability of freezer

TEMPERATURE CONTROL MODE

• With the international famous brand computer temperature control system to keep the inner temperature accurate and stable. Temperature adjusted from $-40^\circ C \sim -86^\circ C$
• High light digital display
• High/low temperature alarm, the alarm temperature can be set as needed
• Platinum esiance temperature sensor, sensing temperature accurately

REFRIGERATION SYSTEM

• Imported brand compressor work with CFC-Free environmental refrigerant
• High density insulation foam layer with better heat preservation effect
• Optimized self-cascade refrigeration system to provide faster cooling speed with lower power consumption

PROMED -86°C Self-Cascade System

1.Medical ULT Freezer

MDF-86V838D
Temperature Range
-40℃~ -86℃
Capacity
838L

MDF-86V588D
Temperature Range
-40℃~ -86℃
Capacity
588L

Model	Volume	Exterior dimensions (W*D*H/mm)	Interior dimensions (W*D*H/mm)	Net Weight/kg	Power/W	Temp Range/℃	Compressor/NO.	Optional accessory
MDF-86V838D	838L	1160*1085*1994.5	894*718*1310	275kg	1475W	-40℃~-86℃	Secop/2	Data logger、CO2\ LN2 back up system
MDF-86V588D	588L	872*1100*1994.5	606*738*1310	249kg	1250W	-40℃~-86℃	Secop/2	Data logger、CO2\ LN2 back up system

2.CONSUMABLES FOR ULT FREEZER

Two code management system to locate and monitor vials

Label Printer

Batch code recognition machine

Multiple Color for multiple choice

PPT BOX

304SUS Racks

3、 BIOLOGICAL SAMPLE BANKS REQUIRE CONSUMABLES

Freezer Brand	Freezer Model	Capacity(L)	Shelves	Compartments	Size of Racks(H*D)	Racks per Shelf	Racks per Freezer	Boxes Per Rack	Boxes per Freezer	Box Size(mm)	Vials per Freezer
METHER	MDF-86V408	408	3	4	5*4	4	16	20	288		28800
	MDF-86V408DL				4*4	4		16			
	MDF-86V588	588	3	4	5*5	4	16	25	400		40000
	MDF-86V588D										
	MDF-86V728	728	3	4	5*4+6*4	6	24	20+24	504		50400
	MDF-86V838	838	3	4	5*5	6	24	25	600		60000
	MDF-86V838D										
PROMED	MDF-86V188E	188	2	3	4*3	3	9	12	108	2*50	10800
	MDF-86V340E	340	3	4	4*4	3	12	16	192		19200
	MDF-86V408E	408	3	4	5*4	4	16	20	288		28000
					4*4	4		16			
	MDF-86V588E	588	3	4	5*5	4	16	25	400		40000
	MDF-86V838E	838	3	4	5*5	6	24	25	600		60000
	MDF-86H105	105	/	1	11*1+6*1	/	4	11+6	34		3400
	MDF-86H485	485	/	1	11*1+6*1	/	30	11+6	300		30000
	MDF-86V58	58	/	1	6*2	/		2	24		2400

-86 ℃ ULT Freezer

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	Model	MDF-86V58	MDF-86V188E	MDF-86V340E	MDF-86V408E	MDF-86V588E	MDF-86V728E	MDF-86V838E	MDF-86V338
Specificaitons	Shelf/drawer QTY	Stainless steel shelf/1	Stainless steel shelf/2	Stainless steel shelf/3	Stainless steel shelf/3	Stainless steel shelf/3	Stainless steel shelf/3	Stainless steel shelf/3	Stainless steel shelf/3
	Cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
	Refrigerant	Mixed-gas	Mixed-gas	Mixed-gas	Mixed-gas	Mixed-gas	Mixed-gas	Mixed-gas	HC
	Power Consumption(kWh/24h)	5.6	8.2	11.2	12	16.5	20	18.8	12.8
	Noise (db)	/	52	52	50	53	50	55	50
	Ambient temperature (℃)	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃
	Temperature range (℃)	-40~-86℃	-40~-86℃	-40~-86℃	-40~-86℃	-40~-86℃	-40~-86℃	-40~-86℃	-40~-86℃
Cooling system	Compressor brand/QTY	SECOP/1	CUBIGEL/1	SECOP/1	SECOP/1	SECOP/2	SECOP/2	SECOP/2	SECOP/2
	Sensor	PTC	PTC	PTC	PTC	PTC	PTC	PTC	PTC
	Temperature controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	Digital display	Digital display	Digital display	Digital display	Digital display	Digital display	Digital display	LCD display
Power	Voltage/frequency (V/Hz)	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz
	Power (W)	442W	660W	810W	890W	1500W	1400W	1700W	870W
	Current (A)	2.67A	4.3A	5A	4.6A	9.1A	8.8	9.8A	6.75A
Material	Inside material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Outside material	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel
	Insulation	PURF	PURF	PURF	PURF	PURF	PURF	PURF	PURF
Size	Capacity (L/cu.ft)	58L	188/6.63	340/12	408/14.40	588/20.76	728/25.7	838/29.59	338/11.93
	NT./GT. (kg)	115/155	174/224	222/283.5	234/291	290/360	374/394	344/430	250/305
	Exterior size(W*D*H)(mm)	635*757*1212	850*930*1595	875*980*1900	890*930*1945	880*1090*1995	1229*1012*1994.5	1175*1075*1990	880*980*1940
	Interior size(W*D*H)(mm)	330*453*410	465*465*830	488*607*1140	606*575*1180	606*738*1310	963*571*1350	894*718*1310	488*607*1140
	Package size(W*D*H)(mm)	730*845*1400	880*910*1820	935*1070*2130	955*955*2100	970*1140*2190	1320*970*2185	1270*1100*2185	940*1070*2130
	CBM	0.87	1.46	2.13	1.92	2.42	2.79	3.05	2.14
	20GP/40GP/40HQ	21/43/43	12/26/26	12/24/24	12/24/24	12/24/24	10/21/21	8/18/18	12/24/24
Frozen Racks	Racks	2(6X2)	9(4X3)	12(4X4)	16(5X4,4X4)	16(5X5)	24(5*4/6*4)	24(5X5)	12(4X4)
	Boxes (2 Inches)	24	108	192	288	400	504	600	192
	Samples(2ml)	2400	10800	19200	28800	40000	50400	60000	19200
Alarm	High/low temperature	Y	Y	Y	Y	Y	Y	Y	Y
	Power failure	Y	Y	Y	Y	Y	Y	Y	Y
	Abnormal voltage	Y	Y	Y	Y	Y	Y	Y	Y
	Sensor error	Y	Y	Y	Y	Y	Y	Y	Y
	Filter screen check	Y	Y	Y	Y	Y	Y	Y	Y
	Thermostat failure	Y	Y	Y	Y	Y	Y	Y	Y
	Low battery	Y	Y	Y	Y	Y	Y	Y	Y
	Condenser clean	Y	Y	Y	Y	Y	Y	Y	Y
	High ambient temperature	Y	Y	Y	Y	Y	Y	Y	Y
	Door ajar	Y	Y	Y	Y	Y	Y	Y	Y
	Power failure backup	72h	72h	72h	72h	72h	72h	72h	
	system(alarm)	Y	Y	Y	Y	Y	Y	Y	Y
Accessories	Inside door	1	3	2	2	2	2	2	2
	Test hole QTY/diameter	1/25MM	1/25MM	1/25MM	1/25MM	1/25MM	1/25MM	1/25MM	2/25MM
	USB port	Y	Y	Y	Y	Y	Y	Y	Y
	Chart recorder	/	/	/	/	/	/	/	Optional
	Data logger	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Remote alarm port	Y	Y	Y	Y	Y	Y	Y	Y
Optional	CO2 back up system	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	LN2 back up system	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Other	Certification	ISO.CE	ISO.CE	ISO.CE	ISO.CE	ISO.CE	ISO.CE	ISO.CE	ISO.CE

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	Model	MDF-86V408	MDF-86V588	MDF-86V728	MDF-86V838	MDF-86V408DL	MDF-86V588D	MDF-86V728D	MDF-86V838D	MDF-86H105	MDF-86H485
Specificaitons	Shelf/drawer QTY	Stainless steel shelf/3	Stainless steel shelf/3	Stainless steel shelf/3	Stainless steel shelf/3	Stainless steel shelf/3	Stainless steel shelf/3	Stainless steel shelf/3	Stainless steel shelf/3	/	/
	Cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
	Refrigerant	HC	HC	HC	HC	Mixed-gas	Mixed-gas	Mixed-gas	Mixed-gas	Mixed-gas	Mixed-gas
	Power Consumption(kWh/24h)	11.6	12	15.4	15	14.5	16.5		18.8	3.8	11.5
	Noise (db)	50	53	53	53	53	53	53	55	50	54.5
	Ambient temperature (℃)	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃
	Temperature range (℃)	-40~-86℃	-40~-86℃	-40~-86℃	-40~-86℃	-40~-86℃	-40~-86℃	-40~-86℃	-40~-86℃	-40~-86℃	-40~-86℃
Cooling system	Compressor brand/QTY	SECOP/2	SECOP/2	SECOP/2	SECOP/2	SECOP/2	SECOP/2	SECOP/2	SECOP/2	CUBIGEL/1	SECOP/1
	Sensor	PTC	PTC	PTC	PTC	PTC	PTC	PTC	PTC	PTC	PTC
	Temperature controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	LCD display	LCD display	LCD display	LCD display	LCD display	LCD display	LCD display	LCD display	Digital display	Digital display
Power	Voltage/frequency (V/Hz)	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz
	Power (W)	845W	815W	935W	890W	1350W	1500W		1700W	500W	670W
	Current (A)	7A	7A	7A	7A	8A	9.1A		9.8A	2.9	3.57
Material	Inside material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Outside material	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel
	Insulation	PURF	PURF	PURF	PURF	PURF	PURF	PURF	PURF	PURF	PURF
Size	Capacity (L/cu.ft)	408/14.40	588/20.76	728/25.70	838/29.59	408	588	728		105/3.70	485/17.12
	NT./GT. (kg)	292/317	307/368	360/401.5	397/430	255/307	297.5/358.5	360/401.5	336.5/416	63.7/68.5	127/152.5
	Exterior size(W*D*H)(mm)	900*940*1940	880*1080*2000	1260*890*2010	1190*1045*2010	900*940*1940	885*1100*1995	1260*890*2010	1190*1045*2010	680*580*935	1700*830*980
	Interior size(W*D*H)(mm)	606*575*1180	606*738*1310	963*558*1350	894*718*1310	606*575*1180	606*738*1310	963*558*1350	894*718*1310	480*380*665	1455.5*525.2*674
	Package size(W*D*H)(mm)	955*960*2100	975*1140*2200	1320*970*2190	1270*1105*2220	955*960*2100	970*1140*2190	1320*970*2190	1270*1105*2220	770*705*1090	1780*910*1080
	CBM	1.93	2.45	3.12	3.12	1.93	2.42	2.8	3.12	0.59	1.75
	20GP/40GP/40HQ	12/24/24	12/24/24	8/18/18	8/18/18	12/24/24	12/24/24	8/18/18	8/18/18	24/51/51	6/13/13
Frozen Racks	Racks	16(5X4,4X4)	16(5X5)	18(5x4)+6(6x4)	24(5X5)	16(5X4,4X4)	16(5X5)	18(5x4)+6(6x4)	24(5X5)	4(11X1,6X1)	30(11X1,6X1)
	Boxes (2 Inches)	288	400	504	600	288	400	504	600	34	30
	Samples(2ml)	28800	40000	50400	60000	28800	40000	50400	60000	3400	30000
Alarm	High/low temperature	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Power failure	Y	Y	Y	Y	Y	Y	Y	Y	Y	/
	Abnormal voltage	Y	Y	Y	Y	Y	Y	Y	Y	Y	/
	Sensor error	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Filter screen check	Y	Y	Y	Y	Y	Y	Y	Y	/	/
	Thermostat failure	Y	Y	Y	Y	Y	Y	Y	Y	Y	/
	Low battery	Y	Y	Y	Y	Y	Y	Y	Y	Y	/
	Condenser clean	Y	Y	Y	Y	Y	Y	Y	Y	/	/
	High ambient temperature	Y	Y	Y	Y	Y	Y	Y	Y	Y	/
	Door ajar	Y	Y	Y	Y	Y	Y	Y	Y	Y	/
	Power failure backup	72h	72h	72h	72h	72h	72h	73h	72h	12h	12h
	system(alarm)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Accessories	Inside door	2	2	2	2	2	2	2	2		
	Test hole QTY/diameter	1/25MM	1/25MM	1/25MM	1/25MM	1/25MM	1/25MM	1/25MM	1/25MM	1/25MM	1/25MM
	USB port	Y	Y	Y	Y	Y	Y	Y	Y	/	/
	Chart recorder	Optional	Optional	Optional	Optional	/	/	/	/	/	/
	Data logger	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Remote alarm port	Y	Y	Y	Y	Y	Y	Y	Y	/	/
Optional	CO2 back up system	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	LN2 back up system	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Other	Certification	ISO.CE	ISO.CE	ISO.CE	ISO.CE	ISO.CE	ISO.CE	ISO.CE	ISO.CE	ISO.CE	ISO.CE

PROMED

—Medical Freezer

-40℃ Medical Freezer

MDF-40V268E   MDF-40V278W   MDF-40V328E   MDF-40V358
                                                                MDF-25V358

KEY FEATURES

- Microprocessor control, adjustable temperature range: -30℃ to -40℃
- LED digital display and increment at 0.1℃
- Permanently lubricated cooling fan for safety and longevity .
- Independent inner door to avoid more cooling leaking out, and provide more stable inside temperature performance
- High density CFC-Free urethane foam insulation.

ERGONOMIC DESIGN

- USB data logging and temperature recorder (optional).
- Build-in lock with safety and beauty
- Lockable caster design for customer to move as needed

RELIABILITY

- Chemically stable, CFC -free, commercially available and environmentally safe refrigerant.
- Optimized refrigeration system designed to maximize cooling effect and temperature uniformity
- Microprocessor control, digital display, adjustable temperature range: - 30℃--40℃
- LED digital display for clear observation,

SAFETY

- Multiple malfunction alarms to detect high and low temperature , sensor error, power off, temperature controller malfunction, door ajar.
- Two types of alarm indications: audible buzzing and visual flashing light.
- Corrosion proof cabinet interior design
- Power failure protect: the device would be attack by the high current when all devices restart simultaneously, the start-delay function would protect device from the damage

ELECTRIC CONTROL

- Wide voltage tolerance design with applicable voltage range of 187-242V/AC

This product is designed to store vaccines, blood plasma.,and many other biological materials. installations can be found in researching institutions and clinical sites in life science, electronic testing and medical markets.

-40℃ Medical Freezer

MDF-40V358
MDF-25V358

MDF-40V528/
MDF-25V528

RELIABILITY

- Single temperature control system with double door construction.
- Flexible and easy storage by height-adjustable shelf trays
- Maintains the quality of the samples during preservation
- 2 completely independent chambers with their own temperature displays

FEATURES

- Height-adjustable shelf trays allow you to adjusts the inside of the chambers according to the size of the samples. By changing the height of the shelf trays, the unit can accommodate various sizes of samples including stored in your conventional models.
- Door latch with provision for a padlock for extra protection of samples.
- Equipped with separate doors that suppress the leakage of cold air during opening and closing of the doors, and manual defrosting that helps avoid temperature impact on the samples.

EASY TO CLEAN

- Top and bottom chambers are equipped with 2 independent refrigeration circuits that enables separate temperature settings and defrosting for the two chambers.
- With the capability to defrost the top and bottom chambers separately, the unit makes it easy to transfer samples during defrosting.

KEY FEATURES

- MDF-25V358/MDF-25V528:-10℃~-25℃
  MDF-40V358/MDF-40V528:-30℃~-40℃
- 2 Independent doors ,2 Compressors,2 Test Holes,2 Displays.
- Standard with thermal printer to record 1 year's data

SAFETY DESIGNE

- To securely preserve/manage the valuable samples, in addition to a standard-feature door lock, a hole in the latch allows a padlock to be attached.
- Security functions that help protect valuable samples with a temperature control capability that inhibits the change in temperature inside the chamber, and an alarm/security function that prevents errors, the unit maintains the quality of the preserved samples.
- Temperature recorder (optional)
- Front-mounted display/control panel located at convenient height for easy access
  Insulated door with gasket for sample protection and uniformity
- 2 USB port interface
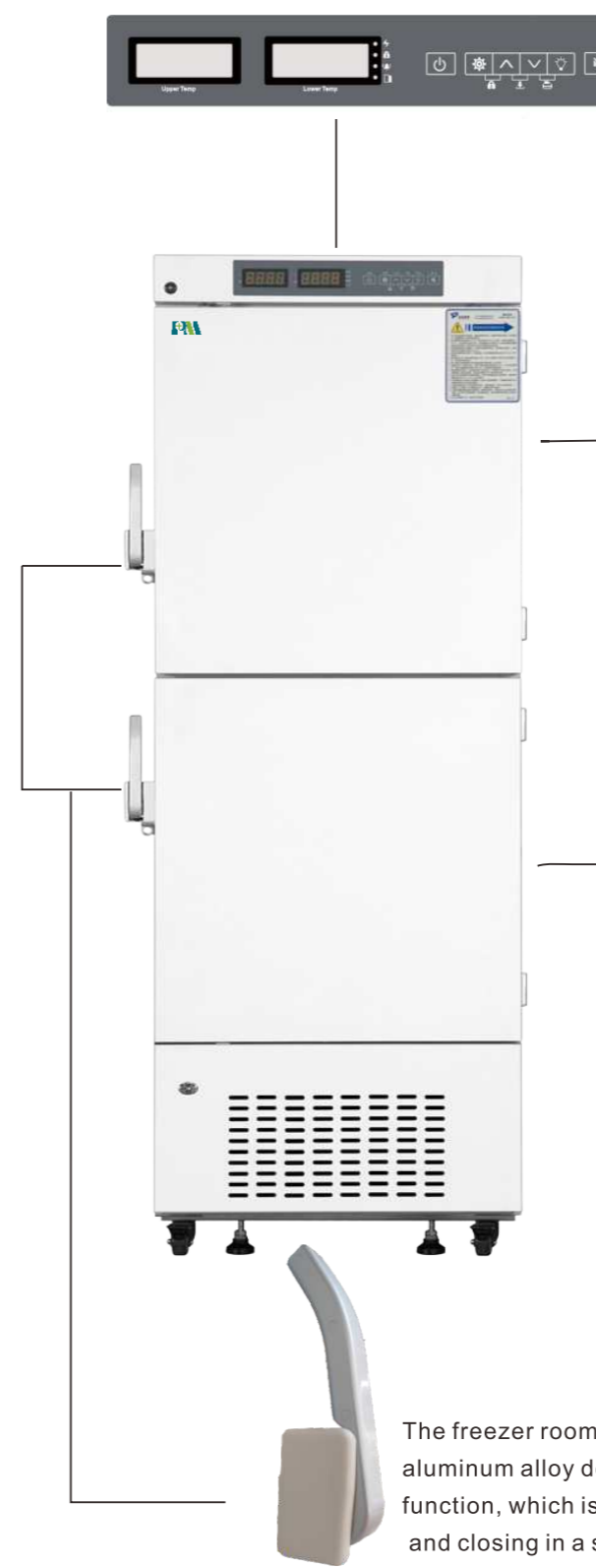
Double LED digital display, which can separately display the temperature data and various alarm information of the upper and lower rooms

Two test holes are equipped on the right of the cabinet, installing the temperature recorder to detect the temperature change of each room

Top and bottom chambers are equipped with 2 independent refrigeration circuits that enables separate temperature settings and defrosting for the two chambers.
With the capability to defrost the top and bottom chambers separately, the unit makes it easy to transfer samples during defrosting.
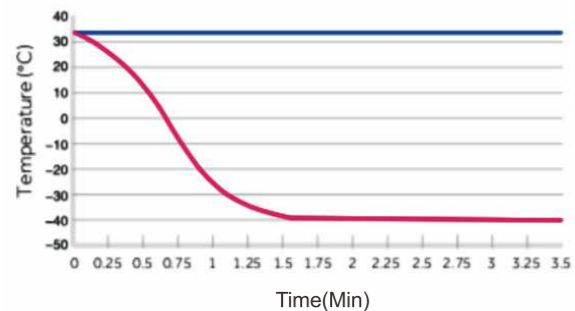
The freezer room is equipped with a standard aluminum alloy door handle with pressure relief function, which is convenient for frequent opening and closing in a short time

-40℃ Medical Freezer

-40℃ Medical Chest Freezer

Digital temperature control and display

Build-in lock with safety and beauty

Build-in handle for easy opening

MDF-40V278W

Inner 7 drawers

Temperature (℃)

Time(Min)

Pull-down test at 32℃ ambient

MDF-40H485

MDF-40H305

MDF-40H105

KEY FEATURES

- Chemically stable, CFC -free, commercially available and environmentally safe refrigerant.
- Microprocessor control, adjustable temperature range: -30℃ to -40℃
- LED digital display and increment at 0.1℃
- Permanently lubricated cooling fan for safety and longevity .
- Wide voltage band for 187V~242V

CHARACTERISTIC FUNCTION

- Door lock design to avoid abnormal door open
- Big screen for easy observation
- Standard testing hole

SAFETY

- Multiple malfunction alarms to detect high and low temperature , sensor error, power failure, temperature controller malfunction
- Two types of alarm indications: audible buzzing and visual flashing light.

STRUCTURAL DESIGN

- Wide voltage band for 187V~242V

RELIABILITY

- HIGH DENSITY CFC-FREE URETHANE FOAM INSULATION.
- Standard with 25mm test hole
- Power failure protect: the device would be attack by the high current when all devices restart simultaneously, the start-delay function would protect device from the damage

PROMED -40°C Medical Freezer

-40 ℃ Deep Freezer

	Model	MDF-40V268E	MDF-40V278W	MDF-40V328E	MDF-40V358	MDF-40V368RF	MDF-40V528	MDF-40V936	MDF-40H105	MDF-40H305	MDF-40H485
Specificaitons	Shelf/drawer	Shelves	Drawer/7	Shelves	Shelves/12 drawers	Shelves/Drawer	Shelves/drawers	Shelves	/	/	/
	Cooling method	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
	Refrigerant	R290	R290	R290	R290	R600a&R290	R290	R404A	R290	R290	R290
	Power consumption(kWh/24h)	4	3	4	5.5	4.15	6.7	14.5	1.65	1.68	3.45
	Noise（db）	48	50	48	49	50	55	50	50	52	55
	Ambient temperature（℃）	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃
	Temperature range（℃）	-30~-40℃	-30~-40℃	-30~-40℃	-20~-40℃	F:-20℃～-40℃ R:2℃～8℃	-20℃~-40℃	-25~-40℃	-10~-40℃	-20~-40℃	-20~-40℃
Cooling system	Compressor brand/QTY	CUBIGEL/1	CUBIGEL/1	CUBIGEL/1	CUBIGEL/2	CUBIGEL/1;HUAYI/1	CUBIGEL/2	SECOP/2	CUBIGEL/1	CUBIGEL	CUBIGEL/1
	Condenser	Wire tube	Wire tube	Wire tube	Wire tube	Wire tube	Copper tube	Copper tube and finned	Wire tube	Wire tube	Wire tube
	Sensor	NTC	NTC	NTC	NTC	NTC	NTC	PTC	NTC	NTC	NTC
	Temperature controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	Digital display	Digital display	Digital display	Digital display	Digital display	Digital display	Digital display	Digital display	Digital display	Digital display
Power	Voltage/frequency（V/Hz）	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz
	Power（W）	300W	185W	300W	310W	300W	340W	1000W	160W	150W	295W
	Current（A）	1.6A	1.6A	1.6A	3	2.45A	3.4A	5.8A	1.15A	1.3A	2.45A
Material	Inside material	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Stainless steel	Stainless steel	Color sprayed steel	Stainless steel
	Outside material	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel
	Insulation	PURF	PURF	PURF	PURF	PURF	PURF	PURF	PURF	PURF	PURF
Size	Capacity（L/cu.ft)	268/9.46	278/9.81	328/11.58	358/12.6	368/12.99	528/18.64	936/33.05	105/3.70	305/	485/17.12
	NT./GT.（kg）	98.5/118	79/104.5	110.3/132	138/178	137/166	151/184	372/416	52/64.5	80/85	108/135
	Exterior size(W*D*H)(mm)	690*680*1635	670*640*1695	685*670*1900	720*830*1870	720*830*1870	910*845*1875	1320*980*2100	685*645*930	1218*840*940	1670*810*930
	Interior size(W*D*H)(mm)	508*455*1137	480*415*1460	508*455*1393	466*636*625	F:580*626*625；R:466*636*625	(651*631.5*635)*2	1000*700*1335	480*380*665	1000*520*665	1455*525*665
	Package size(W*D*H)(mm)	760*760*1750	725*665*1850	750*760*2030	780*920*1990	775*920*1990	930*970*2000	1360*1135*2170	750*700*1040	1295*842*1070	1775*880*1060
	CBM	1.01	0.89	1.16	1.43	1.43	1.80	3.35	0.55	1.17	1.66
	20GP/40GP/40HQ	21/45/45	24/54/54	21/48 /48	18/39/39	14/39/39	12/ 24/24	8/16/16	24/51/51	22/46/46	12/26/26
Alarm	High/low temperature	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Power failure	Y	/	Y	Y	Y	Y	Y	Y	Y	Y
	Sensor error	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Filter check	/	/	/	/	/	/	Y	/	/	/
	Temperature controller failure	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Low battery	/	/	/	/	/	/	Y	/	/	/
	Condenser clean	/	/	/	/	Y	/	Y	/	/	/
	High ambient temperature	/	/	/	Y	Y	Y	Y	/	/	/
	Door ajar	Y	Y	Y	Y	Y	Y	Y	/	/	/
	Power failure backup system(alarm)	8h	\	8h	8H	8h	8h	72h	12h	12h	12h
Accessories	Foot	Y	Y	Y	Y	Y	Y	/	/	/	/
	Castor	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Inside door	Y	7 Drawer	Y	12DRAWERS	/	9Drawer×2	Y	/	/	/
	Test hole QTY/diameter	Y	Y	Y	Y	2/25MM	2/25MM	1/18MM	1/25MM	1	1
	USB port	/	/	/	Y	Y	Y	Y	/	/	/
	Remote alarm port	Y	/	Y	Optional	Optional	Y	Y	/	/	/
Other	Certification	ISO,CE	ISO,CE	ISO,CE	ISO,CE	ISO,CE	ISO,CE	ISO,CE	ISO,CE	ISO,CE	ISO,CE

-25℃ Medical Freezer

MDF-25V368RF
MDF-40V368RF

MDF-25V328E

MDF-25V268E

MDF-25V278W

MDF-25V300RF

RELIABILITY

- Chemically stable, CFC-free, commercially available and environmentally ,safe refrigerant.
- High density CFC-Free urethane foam insulation for rigidity and stable storage temperature.
- Microprocessor control, digital display adjustable temperature rage: -10C--25C.
- LED digital display for clear observation.

NEW RELEASE

- MDF-25V368RF/MDF-40V368RF Temperature range:Refrigerator Room:2℃~8℃
- Freezer Room:-10℃-25℃ /-30℃-40℃
- 2 Independent temperature display,2 Independent door:heated foam glass door + foamed door
- 3 shelves in refriferator room;6 drawers in freezer room.

SAFETY

- Multiple malfunction alarms including high and low temperature , sensor error, power off, temperature controller malfunction, door ajar.
- Two types of alarm indications: audible buzzing and visible flashing light.
- Power failure protect: the device would be attack by the high current when all devices restart simultaneously, the start-delay function would protect device from the damage
- Controller password protect function to avoid change running parameter randomly

KEY FEATURES

- Independent inner door to avoid more cooling leaking out, and provide more stable inside temperature performance
- Upright side door with build-in handle for easy-opening; limit door hinge to prevent collision when door open
- Lockable caster design for customer to move as needed
- Wide voltage tolerance design with applicable voltage range of187~242 V/AC.

Microprocessor system, LED digital display, precise electronic temperature control and display, with accuracy of 0.1 ℃; the temperature of refrigerator room and freezer room are displayed independently, which is convenient for observation. And the operation status and alarm type of refrigerator are displayed simultaneously.

2 independent door up and down；upper door is electric heating foamed glass door,below is foamed door.
The temperature of the refrigerator room is in the range of 2-8 ℃, and freezer room is in the range of - 10 ℃ ~ -25 ℃\-25℃~40℃.

Two test holes are equipped on the right of the cabinet, installing the temperature recorder to detect the temperature change of each room

Independent refrigeration system is used in the refrigeration room and freezer respectively, with independent display and temperature control
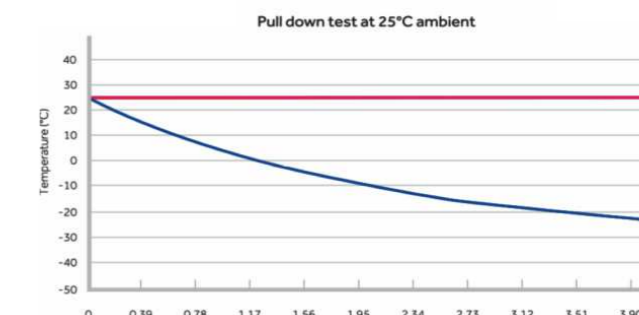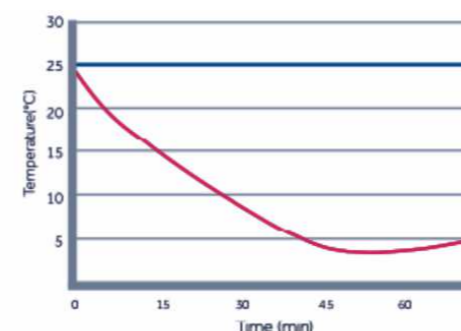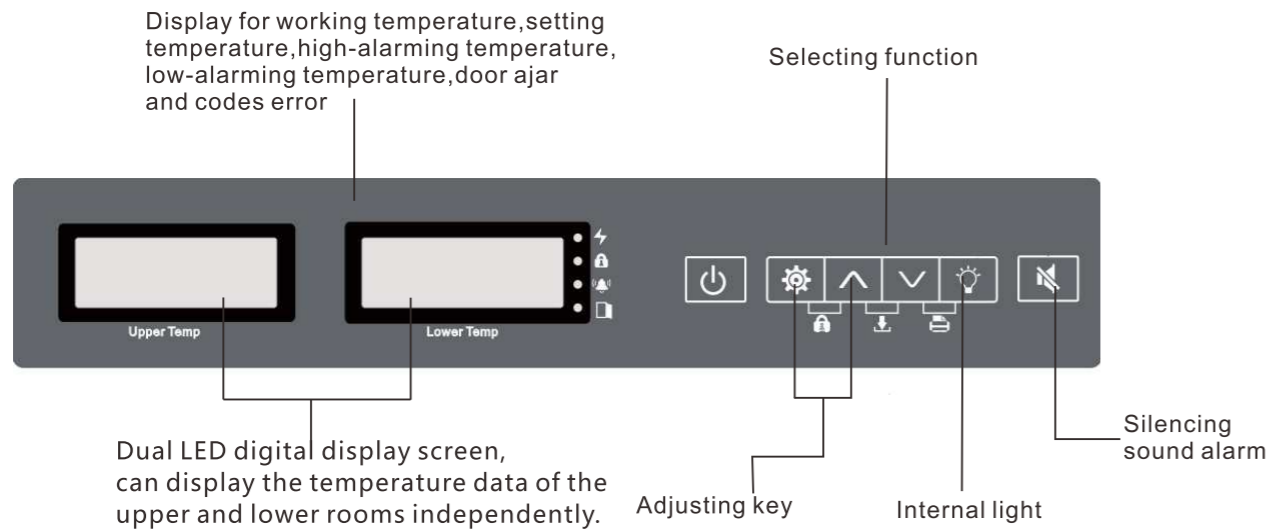
Pull down test at 25°C ambient

Display for working temperature,setting temperature,high-alarming temperature, low-alarming temperature,door ajar and codes error

Selecting function

Dual LED digital display screen, can display the temperature data of the upper and lower rooms independently.

Adjusting key

Internal light

Silencing sound alarm

Alarm	Alarm Triggering Condition
High Temperature	Temperature reaches the warm alarm limit
Low Temperature	Temperature reaches the low alarm limit
Power Failure	Equipment loses power
Door Ajar	Door open audible and visual alarm
Probe Failure	1. Main cabinet temperature control sensor fails 2. Sensor fails
Low Battery	Battery capacity runs low or battery switch is not turned on

-25℃ Medical Freezer

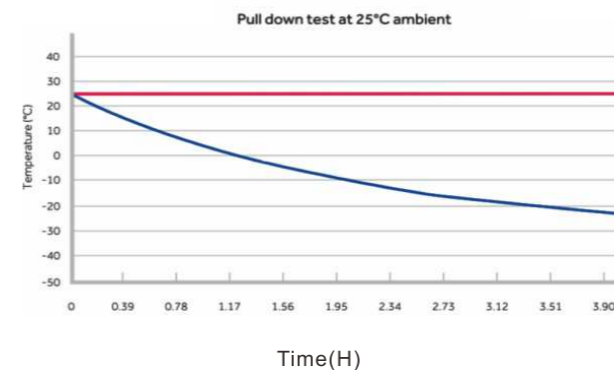High-end professional controller with full function

Build-in temperature probe

Independent inner door to avoid more cooling leaking out, and provide more stable inside temperature performance

Tough casters with brake

Pull down test at 25℃ ambient

Time(H)

-25℃ Medical Freezer

	Model	MDF-25V100	MDF-25V268E	MDF-25V278W	MDF-25V328E	MDF-25V358		MDF-25V528	MDF-25V936	MDF-25H105	MDF-25H485	MDF-25V300RF	MDF-25V368RF	MDF-25H305
Specificaitons	Shelf (drawer)	Shelves and drawers	Shelves	Drawers/7	Shelves	Shelves/12 drawers		Shelves/drawers	Shelves	/	/	Shelves and draws	Shelves and draws	/
	Cooling method	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling		Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost	Manual	Manual	Manual	Manual	Manual		Manual	Manual	Manual	Manual	Manual	Manual	Manual
	Refrigerant	R600a	R290	R290	R290	R290		R290	R404A	HC-R290	HC-R290	R290	R600a &R290	R134a
	Power consumption(kWh/24h)	2.2	3	1.5	3	/		3.4	10	1.59	3.45	2.96	3.03	1.5
	Noise（db）	50	46	46	46	49		55	50	46	55	/	50	52
	Ambient temperature（℃）	10～32℃	10～32℃	10～32℃	10～32℃	10～32℃		10～32℃	10～32℃	10～32℃	10～32℃	10～32℃	10～32℃	10～32℃
	Temperature range（℃）	-10~25℃	-25~25℃	-10~25℃	-10~25℃	-10~25℃		'-10°~25°C	-10~25℃	-10~25℃	-10~25℃	F:-10℃~-25℃ R:2℃~8	F:-10℃~-25℃ R:2℃~8℃	-10~25℃
Cooling system	Compressor brand/QTY	KY55C45G	CUBIGELN/1	DONPERN/1	CUBIGELN/1	CUBIGEL/2		MEIZHI/2	SECOP/2	DONPER/1	CUBIGELN/1	China brand 2	China brand 2	China brand
	Sensor	NTC	NTC	NTC	NTC	NTC		NTC	PTC	NTC	NTC	NTC	NTC	NTC
	Temperature controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor		Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	Digital display	Digital display	Digital display	Digital display	Digital display		Digital display	Digital display	Digital display	Digital display	Digital Display	Dual Independent Digital Display	Digital display
Power	Voltage/frequency（V/Hz）	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz		220/50Hz	220N50Hz	220/50Hz	220N50Hz	220V/50Hz	220V/50Hz	220/50Hz
	Power（W）	150W	180W	180W	180W	/		260W	1000W	174W	295W	333	300	106W
	Current（A）	0.9A	1.4A	1.5A	1.4A	/		1.9A	5.8A	1.48A	2.45A	2.37	2.37	0.92A
Material	Inside material	HIPS	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel		Color sprayed steel	Stainless steel	Color sprayed steel	Stainless steel	Engineering plastics	SPCC sprayed steel	Color sprayed steel
	Outside material	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel		Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	SPCC sprayed steel	SPCC sprayed steel	Color sprayed steel
	Insulation	PURF	PURF	PURF	PURF	PURF		PURF	PURF	PURF	PURF	PURF	PURF	PURF
Size	Capacity（L/cu.ft）	100/3.53	268/9.46	278/9.81	328/11.58	358/12.6		528/18.64	936/33.05	105/3.70	485/17.12	R:198 F:102	R:183 F:185	305L
	NT./GT.（kg）	40kg/43kg	93.5/113.5	85/101	104/125	138/178		151/184	377/421	41.8/54	124/138	100/120	137/166	74.2/87
	Exterior size(W*D*H)(mm)	540*540*880	690*680*1635	670*640*1695	690*680*1900	720*830*1870		910*845*1875	1320*980*2100	615*570*880	1655*755*915	650*620×1980	730*830*1880	1135*725*890
	Interior size(W*D*H)(mm)	410*410*670	508*455*1137	480*415*1460	508*455*1393	466*636*625		(651*631.5*635)*2	1000*700*1335	480*380*665	1455*525*665	R:565*480*759（mm）F:461*465*600（mm）	R:580*626*625（mm）F:466*636*625（mm）	1000*520*665
	Package size(W*D*H)(mm)	590*590*900	760*760*1750	730*670*1850	750*760*2030	780*920*1990		930*970*2000	1360*1135*2170	675*625*1000	1710*885*1020	720*695*2015	775*920*1990	1223*777*1005
	CBM	0.31	1.01	0.90	1.16	1.43		1.80	3.35	0.42	1.66	1.00	1.42	0.96
	20GP/40GP/40HQ	54/120/120	21/45/45	24/51/51	21/48 /48	18/39/39		12/ 24/24	8/16/16	27/57/57	12/26/26	24/48/48	14/39/39	26/56/56
Alarm	High/low temperature	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
	Power off	Y	Y	/	Y	Y		Y	Y	Y	Y	Y	Y	Y
	Sensor malfunction	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
	Ambient temperature（℃）	/	/	/	/	Y		Y	Y	/	/	/	Y	/
	Abnormal voltage	/	/	/	/	/		/	Y	/	/	/	/	/
	Temperature controller malfunction	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
	Door ajar	Y	Y	Y	Y	Y		Y	Y	/	/	Y	Y	/
	Power failure backup system(alarm)	8H	8H	8H	8H	8H		8H	72H	12H	12H	8H	8H	12H
Accessories	Caster	/	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
	Test hole	/	1/25MM	1/25MM	1/25MM	2/25MM		2/25MM	1/18MM	1/25MM	Optional	/	2/25MM	1/25mm
	USB port	/	/	/	/	Y		Y	Y	/	/	/	Y	/
	Data logger	Optional	Optional	Optional	Optional	Optional		Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Remote alarm	/	Y	/	Y	Optional		Y	Y	/	/	/	Y	/
Other	Certification	ISO	ISO,CE	ISO,CE	ISO,CE	ISO		ISO,CE	ISO,CE	ISO,CE	ISO,CE	ISO	ISO,CE	ISO,CE

PROMED
SERIES

4℃ Blood Bank Refrigerator

MBC-4V108   MBC-4V208   MBC-4V368   MBC-4V658   MBC-4V1008

PURPOSE
- Professional refrigerator to store blood, as well as medicines and bio products
- Suitable for blood banks, hospitals, CDCs

ERGONOMIC DESIGN
- Safety lock to prevent unauthorized access.
- Storage space designed for easy sorting of a variety of blood products.
- Caster design and interior light.

RELIABILITY AND KEY FEATURES
- Microprocessor controlled forced-air cooling with electrical heat compensation system.
- Digital temperature display for upper and lower sections in chamber with 0.1℃ resolution.
- Consistent cabinet temperature 2-6℃
- High-tech integrated sensors to display and control temperature.
- Auto-defrost to remove moisture on cooling surface.
- Large digital display for ease of observation.

SAFETY
- Build-in backup battery to display temperature and to operate audible an visual alarm systems for up to 72 hours without ac power.
- Equipped with a complete temperature alarm system featuring audible buzzer and visible flashing light.
- Five alarm conditions : High/low temperature, power failure, voltage abnormal, door ajar, backup battery
- Standard with laser printer
- Standard with acrylic inner small door, for less affection on other room when one door open.
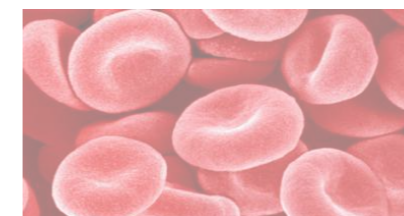
4℃ Blood Bank Refrigerator

Forced air cooling system keep inside temperature stable and uniform

Individual transparent inner door can be opened independently to minimize loss of cold temperature during a door opening
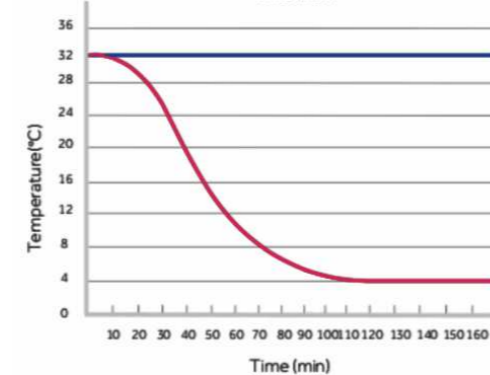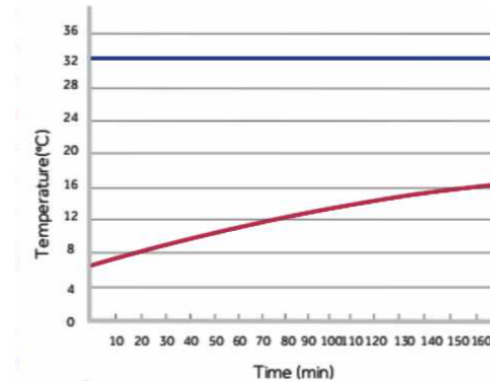
Exclusive patented temperature box design, reveal the real temperature of the blood in storage

Standard test hole

Adjustable shelves, improve space utilization

4℃ Blood Bank Refrigerator

	Model	MBC-4V108	MBC-4V208	MBC-4V368	MBC-4V658	MBC-4V1008
Specificaitons	Shelf/drawer	Shelves/2	Shelves/4	Shelves/4	Shelves/12	Drawers/12
	Cooling	Forced -air Cooling	Forced -air Cooling	Forced -air Cooling	Forced -air Cooling	Forced -air Cooling
	Defrost	Auto	Auto	Auto	Auto	Auto
	Refrigerant	R134a	R134a	R134a	R134a	R134a
	Power consumption(kWh/24h)	1.95	2.22	4.28	6.31	8.53
	Noise（db）	49.6dB(A)	51.2dB(A)	51.2 dB(A)	51.2 dB(A)	53.6 dB(A)
	Ambient temperature（℃）	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃
	Temperature range（℃）	4±1℃	4±1℃	4±1℃	4±1℃	4±1℃
Cooling system	Compressor brand/QTY	EMBRACO/1	EMBRACO/1	EMBRACO/1	SECOP/1	SECOP/1
	Sensor	NTC	NTC	NTC	NTC	NTC
	Temperature controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	Digital display	Digital display	Digital display	Digital display	Digital display
Power	Voltage/frequency（V/Hz）	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz
	Power（W）	175W	183W	325	364W	513W
	Current（A）	1A	0.8A	2.2A	2.42A	2.37A
Material	Inside material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Outside material	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel
	Insulation	PURF	PURF	PURF	PURF	PURF
Size	Capacity（L/cu.ft）	108/3.81	208/7.34	368/12.98	658/23.23	1008/35.59
	Bloodbags(450ml)	66	132	200	360	576
	NT./GT.（kg）	74/95	96/120	128/135	202/257	265/335
	Exterior size(W*D*H)(mm)	540*630*1030	540*640*1530	785*565*1920	1225*640*1895	1240*860*1895
	Interior size(W*D*H)(mm)	432*462*478	432*462*978	685*429*1380	1100*454*1325	1100*684*1325
	Package size(W*D*H)(mm)	700*585*1200	590*700*1700	890*650*2100	1330*740*2120	1325*970*2130
	CBM	0.49	0.70	1.21	2.09	2.74
	20GP/40GP/40HQ	32/68/68	27/60/60	21/44/44	12/27/27	8/18/18
Alarm	High/low temperature	Y	Y	Y	Y	Y
	Power off	Y	Y	Y	Y	Y
	Temperature controller malfunction	Y	Y	Y	Y	Y
	Backup battery malfunction	Y	Y	Y	Y	Y
	Ambient temperature	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃
	Power failure backup system(alarm)	72h	8h	8h	8h	8h
Accessories	Caster	Y	Y	Y	Y	Y
	Outer door/Type	1/Heating & Foam glass door	1/Heating & Foam glass door	1/Heating & Foam glass door	2/Heating & Foam glass door	2/Heating & Foam glass door
	Inner door	2	4	4	6	6
	Test hole	1/25MM	1/25MM	1/25MM	1/25MM	1/25MM
	Thermal Printer	Y	Y	Y	Y	Y
	Light	LED	LED	LED	LED	LED
	Temperature recorder	Optional Datalooger	Optional Datalooger	Optional Datalooger	Optional chart recorder	Optional chart recorder
Other	Qualifications	ISO,CE	ISO,CE	ISO,CE	ISO,CE	ISO,CE

METHER
SERIES
Dual System
2~8℃ Pharmacy refrigerator

2~8℃ Pharmacy refrigerator

MPC-5V516DL   MPC-5V1106DL   MPC-5V516ADL   MPC-5V1106ADL

SAFETY

- Alarm system: high and low temperature alarm, temperature controller failure alarm, power failure alarm, abnormal door opening and closing alarm, condenser high temperature alarm, ambient temperature high and low alarm, system abnormal alarm, equipped with remote alarm interface.
- Capable of producing two types of alarm outputs, audible buzzer and visible flashing light.
- Door open feature standard and USB port for temperature date downloading standard on upright models.

INSTALLATION AND APPLICATION

- Wide rage operating voltage system from 187V to 242V designed to allow units installed in areas with poor voltage condition
- Suitable for 10℃ to 32℃ambient temperature

KEY DESIGN FEATURES

- 7-inch touch LCD screen, all operations are operated through the screen, convenient and quick
- Electronic lock, you can unlock and open the door by fingerprint, swipe card, account login

ENERGY SAVING

- Under low ambient temperature, it will automatically switch to energy-saving mode, while the single system runs to ensure normal operation, and under high ambient temperature, it will switch to performance mode, and both systems work at the same time.

FILED PROVEN RELIABILITY

- Good heat preservation effect, uniform internal temperature.
- Completely shielded from light, specially designed for items that need to be shielded from light .(MPC-5V516ADL;MPC-5V1106ADL)
- Visually monitor the status of internal items, and heated glass door to prevent condensation. (MPC-5V516DL;MPC-5V1106DL)

MPC-5V516ADL

MPC-5V1106DL

MODEL	CAPACITY(L)	Exterior size (W*D*H)(mm)	Interior size (W*D*H)(mm)	Power(W)	Temp. range(C°)	Optional
MPC-5V516ADL	516	695*794*1993	595*641*1475	350	2~8C°	Temp.Recorder
MPC-5V1106ADL	1106	1325*794*1989	1225*641*1562	550	2~8C°	Temp.Recorder
MPC-5V516DL	516	695*794*1993	595*641*1475	350	2~8C°	Temp.Recorder
MPC-5V1106DL	1106	1325*794*1989	1225*641*1562	550	2~8C°	Temp.Recorder

PROMED
SERIES

2~8℃ Pharmacy refrigerator

2~8℃ Pharmacy Refrigerator

MPC-5V1006   MPC-5V656   MPC-5V416   MPC-5V316   MPC-5V415   MPC-5V315   MPC-5V226   MPC-5V100   MPC-5V60G

MPC-5V315

MPC-5V415

The pharmacy refrigerators are suitable for installation in drug stores, pharmaceutical companies, hospitals, epidemic prevention centers and clinics.

ERGONOMIC DESIGN

- Optimized space utilization design with multi -level and adjustable shelf height to accommodate storage requirement of pharmaceutical products of various kinds.
- Safety lock to prevent unauthorized access
- Caster design and leveling legs LED Interior light.

RELIABILITYANDKEYFEATURES

- High efficiency specialty compressor with known fieldreliability.
- Permanently lubricated cooling fan for safety and longevity.
- Forced-aircooling with optimized air distribution system designed .
- To achieve maximum temperature uniformity and stability.
- Optimized refrigeration system design for more effective cooling and Speedy recovery.
- Temperature variation within ±3℃
- Adjustable temperature range2-8℃
- Microprocessor control,digital display,and temperature adjustment with an increment of 0.1℃
- Large digital display screen.

FORCED AIR-COOLING SYSTEM

- Advanced forced cooling system to keep inside temperature stable and uniform. Finned evaporator with special cycle design of forced air cooling system to assure no-frost inside

CHARACTERISTIC FUNCTION

- Safety door lock design to avoid door ajar
- Big digital screen display for easy observation
- Optional testing hole
- Adjustable shelves
- Inner light design for a clear display

SAFETY

- Equipped with a complete temperature alarm system featuring audible buzzer and visible flashing light.
- Capable of alerting failures due to high and low temperature sensor error,door ajar, , power failure and low battery.

2℃~8℃ Pharmacy Refrigerator

Equipped with a complete temperature alarm system
featuring audible buzzer and visible
flashing light Capable of alerting failures due to
high and low temperature sensor error, door ajar,
power failure and low battery
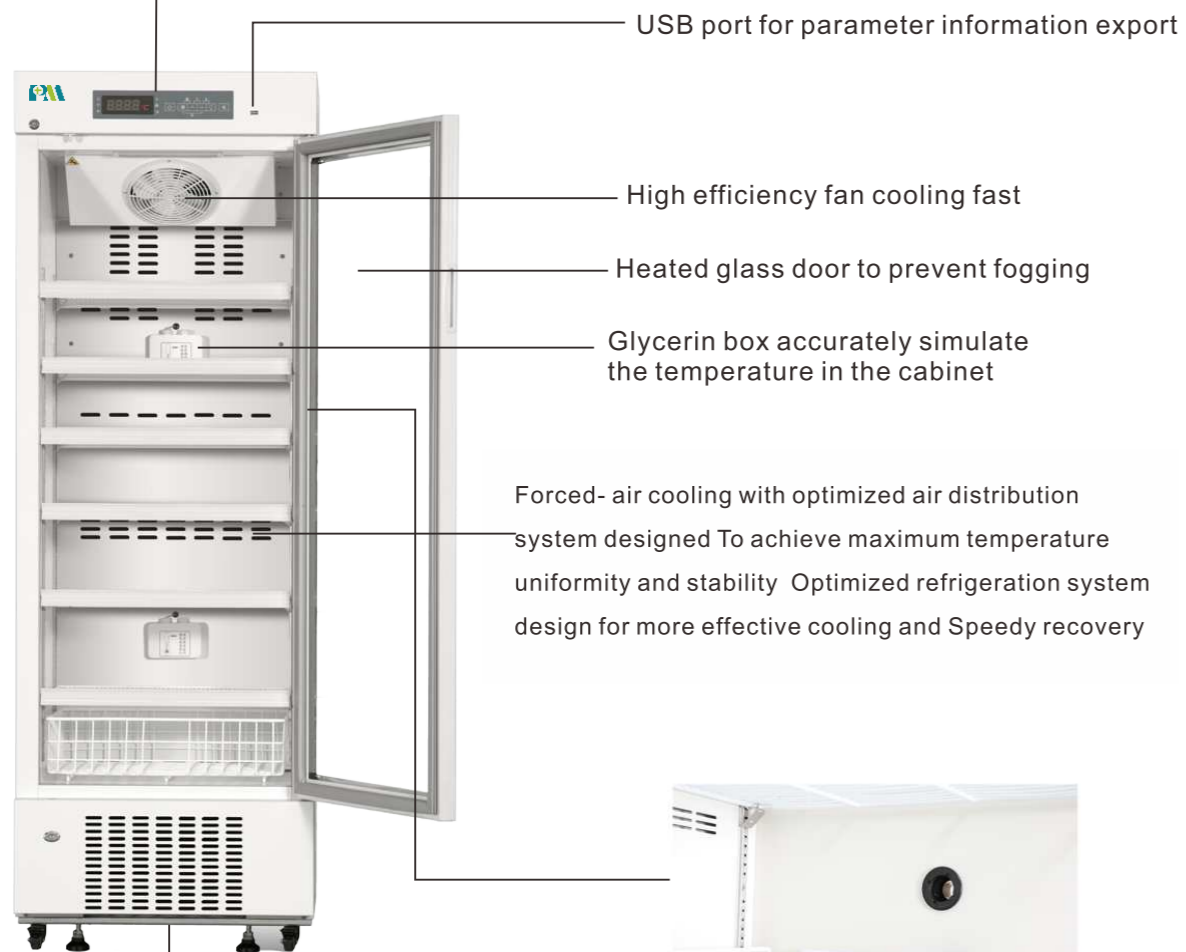
USB port for parameter information export

High efficiency fan cooling fast

Heated glass door to prevent fogging

Glycerin box accurately simulate
the temperature in the cabinet

Forced- air cooling with optimized air distribution
system designed To achieve maximum temperature
uniformity and stability Optimized refrigeration system
design for more effective cooling and Speedy recovery

Test Hole- for monitor
sensor and temperature test

Optimized space utilization design with
multi - level and adjustable shelf height to
accommodate storage requirement of pharmaceutical
products of various kinds. Safety lock to prevent
unauthorized access.Caster design and leveling legs
LED Interior light

2℃~8℃ Pharmacy Refrigerator
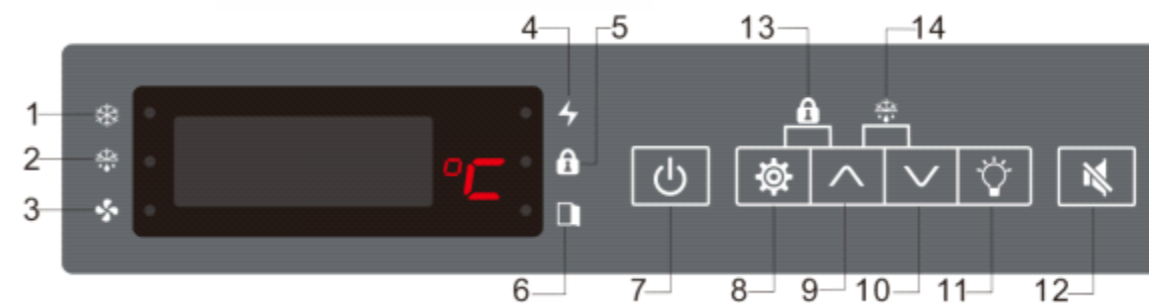
1-Cooling State   2-Defroting State   3.Fan state   4-Power State

5-Button Lock   6-Door State   7-Power on/off   8.-Set

9-Set up   10-Set down   11-Light switch   12-Mute

13-Keyboard lock (Combined Button)   14-Defrost Key(Combined button)

Alarm	Alarm Triggering Condition
High Temperature	Temperature reaches the warm alarm limit
Low Temperature	Temperature reaches the low alarm limit
Power Failure	Equipment loses power
Door Ajar	Door open audible and visual alarm

MPC-5V415   MPC-5V656   MPC-5V60G

PROMED 2°c~8°C Pharmacy Refrigerator

+2~8℃ Pharmacy Refrigerator

	Model	MPC-5V60G	MPC-5V100	MPC-5V100-TS1	MPC-5V226	MPC-5V312		MPC-5V316	MPC-5V315	MPC-5V415	MPC-5V416	MPC-5V656	MPC-5V1006	MPC-5V1500
Specificaitons	Shelf/drawer	Shelves/2	Shelves/3	Shelves/3	Shelves/4	Shelves/5		Shelves/5	Shelves*6/Basket*1	Shelves*6/Basket*1	Shelves/5	Shelves/10	Shelves/10	Shelves/12
	Cooling method	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling		Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling
	Defrost	Auto	Auto	Auto	Auto	Auto		Auto	Auto	Auto	Auto	Auto	Auto	Auto
	Refrigerant	R600a	R600a	R600a	R600a	R290		R290	R290	R134a	R134a	R600a	R600a	R134a
	Power consumption(kWh/24h)	0.84	1.15	1.15	1.6	1.85		1.78	2.8	3.97	2.37	5.75	6.23	8
	Noise（db）	50	50	50	55	50		50	50	50	50	52	53	55
	Ambient temperature（℃）	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃		10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃	10~32℃
	Temperature range（℃）	2~8℃	2~8℃	2~8℃	2~8℃	2~8℃		2~8℃	2~8℃	2~8℃	2~8℃	2~8℃	2~8℃	2~8℃
Cooling system	Compressor brand/QTY	China Brand/1	China Brand/1	China Brand/1	China Brand/1	China Brand/1		China Brand/1	China Brand/1	China Brand/1	China Brand/1	China Brand/1	China Brand/1	Secop/1
	Sensor Type	NTC	NTC	NTC	NTC	NTC		NTC	NTC	NTC	NTC	NTC	NTC	NTC
	Temperature controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor		Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	Digital display	Digital display	Digital display	Digital display	Digital display		Digital display	Digital display	Digital display	Digital display	Digital display	Digital display	Digital display
Power	Voltage/frequency（V/Hz）	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz		220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz
	Power（W）	72W	80W	80W	140W	245W		228W	216W	280W	240W	385W	425W	1040W
	Current（A）	0.59A	0.8A	0.8A	1A	1.3A		1.2A	1.46A	1.7A	1.3A	2.3A	2.4A	5.4A
Material	Inside material	Color sprayed steel	HIPS	HIPS	Blister liner	Blister liner		Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	stainless steel
	Outside material	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel		Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel	stainless steel
	Insulation	PURF	PURF	PURF	PURF	PURF		PURF	PURF	PURF	PURF	PURF	PURF	PURF
Size	Capacity（L/cu.ft）	60/2.11	100/3.53	100/3.53	226L	312/11.02		316/11.15	316/11.15	416/14.69	416/14.69	656/23.16	1006/35.52	1500/52.97
	NT./GT.（kg）	33/37	35/38	30/33	73/76kg	86/90		92.5/100	92.5/100	120/133	120/133	166/184	189/213	245/280
	Exterior size(W*D*H)(mm)	495*450*710	505*510*875	505*520*875	625*594*1707	650*624*1902		660*555*1915	660*555*1915	800*552*1940	800*552*1940	1240*630*1895	1240*820*1900	1800*775*1965
	Interior size(W*D*H)(mm)	410*315*560	385*356*737	385*356*737	534*406*1150	560*485*1350		540*425*1380	540*425*1380	685*429*1380	685*429*1380	1100*454*1325	1100*684*1325	1680*595*1312
	Package size(W*D*H)(mm)	558*510*760	580*580*940	580*580*940	707*676*1745	710*680*1960		720*680*2040	710*640*1970	890*655*2100	890*655*2100	1335*710*2000	1335*945*2000	1880*820*2150
	CBM	0.22	0.32	0.32	0.91	0.95		0.90	0.90	1.22	1.22	1.90	2.52	3.31
	20GP/40GP/40HQ	132/276/276	80/160/160	80/160/160	24/51/51	24/48/48		27/54/54	27/54/54	18/39/39	18/39/39	12/27/27	8/18/18	6/14/14
Alarm	High/low temperature	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
	Power failure	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
	Thermostat failure	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
	Backup battery failure alarm	/	/	/	/	/		/	Y	Y	/	/	/	/
	Condenser fault alarm	/	/	/	/	/		/	Y	Y	/	/	/	/
	Ambient Temperatures	/	/	/	/	/		/	Y	Y	/	/	/	/
	Voltage abnormality alarm	/	/	/	/	/		/	/	/	/	/	/	/
	Door ajar	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
	System abnormal alarm	/	/	/	/	/		/	/	/	/	/	/	/
	Power failure backup system(alarm)	8h	8h	8h	8h	8h		8h	48h	48h	8h	8h	8h	8h
Accessories	Foot	Y	Y	Y	Y	Y		Y	Y	Y	Y	/	/	/
	Castor	/	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
	Outer door/Type	1/Glass/Low-E	1/Glass door	1/Foaming door	1/Glass door /Low-E	1/Glass door /Low-E		1/Glass /Low-E	1/Heating glass door with automatic rebound	1/Heating glass door with automatic rebound	1/Glass /Low-E	2/Heating glass door with automatic rebound	2/Heating glass door with automatic rebound	3/Glass door
	Door Lock	1	1	1	1	1		1	1	1	1	2	2	3
	Test hole QTY/diameter	1/25mm	Optional	Optional	1/25mm	1		1/25mm	1/25mm	1/25mm	1/25mm	1/25mm	1/25mm	Optional
	Lamp	LED	LED	LED	LED	LED		LED	LED	LED	LED	LED	LED	LED
	USB port	/	/	/	/	/		Optional	Y	Y	Y	Y	Optional	Optional
	Temperature recorder	Optional Datalooger	Optional Datalooger	Optional Datalooger	Optional Datalooger	Optional Datalooger		Optional Datalooger	Optional Datalooger	Optional Datalooger	Optional Datalooger	Optional chart recoder	Optional Datalooger	Optional chart recoder
	Remote alarm port	Y	/	/	Y	Y		Y	Y	Y	Y	Y	Y	/
	RS232/485 port	/	/	/	/	/		/	Y	Y	/	/	/	/
Other	Certification	ISO;CE	ISO	ISO	ISO	ISO		ISO;CE	ISO	ISO	ISO;CE	ISO;CE	ISO;CE	ISO

METHER
SERIES
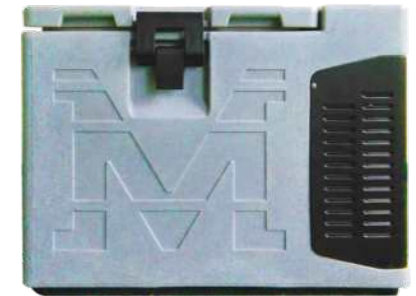
-25℃ / 2~8 ℃ Medical Freezer-Mobile Cooler

To transport and transfer blood, plasma, vaccine, reagents and special medicines in medical and logistics industry.
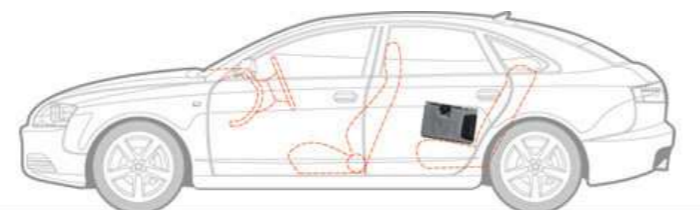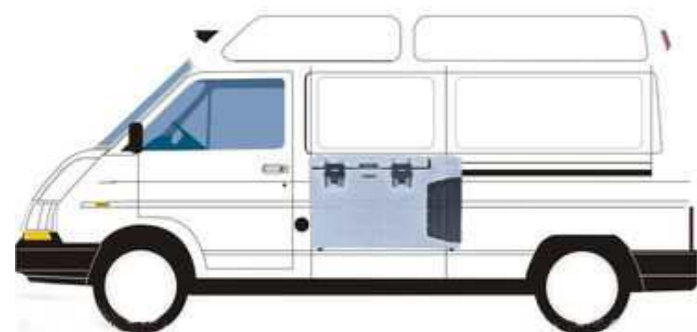
-25~ 2~8℃
Mether
Mobile Cooler

MDF-25H30LC

MDF-25H80LC

MBC-4V700LC
(only for blood transport)

PURPOSE

• To store and transport blood, serum, plasma, vaccine, reagents and special medicines in medical industry. Also used as medicines pass box for epidemic prevention station, blood bank, health center, CDC, animal husbandry bureau, army and logistics service, express company, pharmaceutical factory, genetic engineering.

USER FRIENDLY DESIGN

• The whole roll structure prevents collision damage.
• Multilayer stacking.

SECURITY GUARANTEE

• Functional alarm system with audible and visible
• Remote control
• Constantly alarm after power off
• Keyboard lockable

FEATURES

• Multiple voltage used as AC220V or DC12V/24V, power supply of cigarette lighter
• Whole roll PE structure
• Combined with forced air cooling system and direct cooling system
• Multi-function: 2 ranges of inner temperature:
    2℃ ~8 ℃ used as pharmacy refrigerator
    -10℃~ - 25 ℃ used as deep freezer

MBTHER

-25℃ / 2~8℃ Medical Freezer- Mobile Cooler

Multilayer stacking

Whole roll PE structure

Handle- Easy to lift and move

Power supply of cigarette lighter
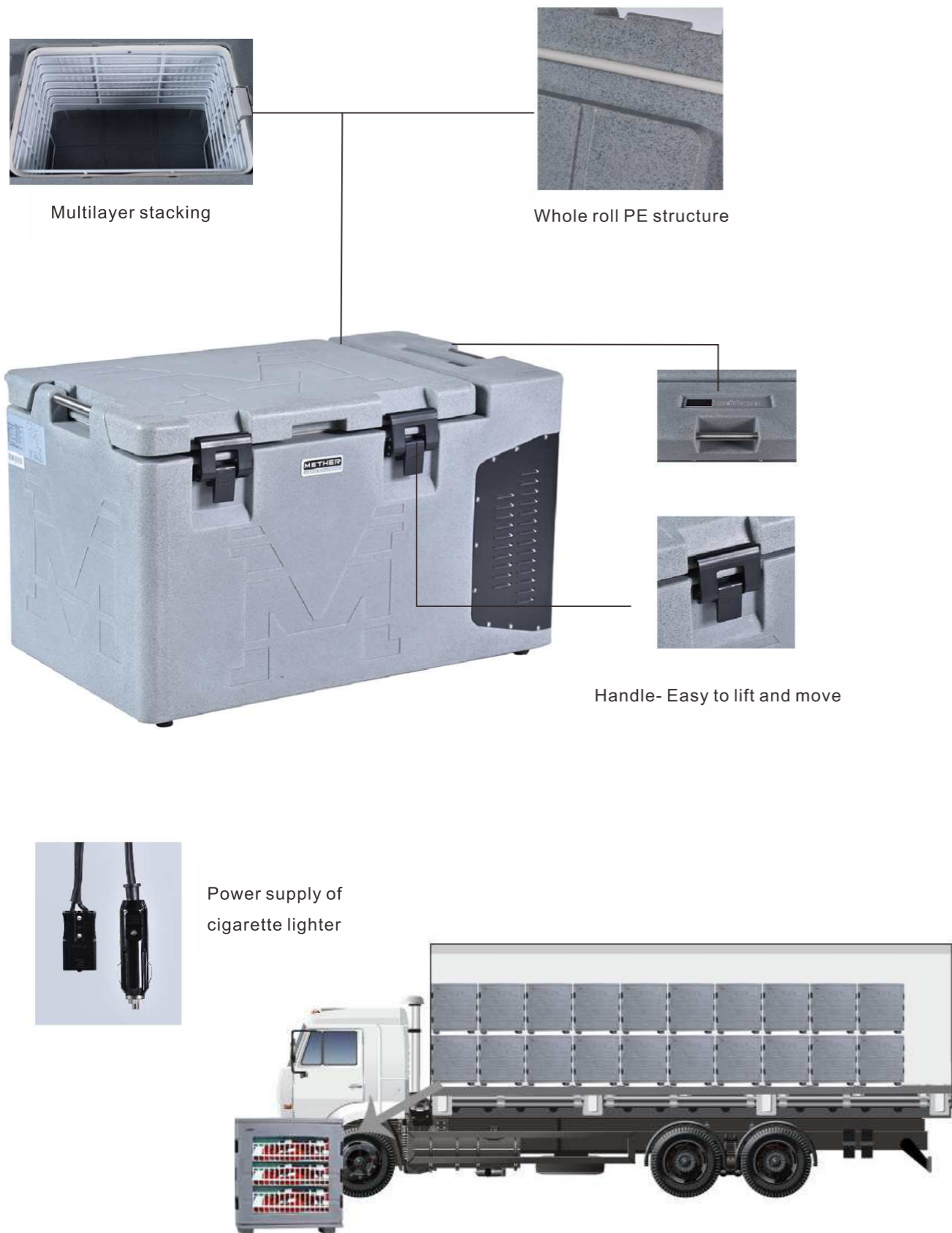
Mobile Cooler

	Model	MDF-25H30LC	MDF-25H80LC	MBC-4V700LC
Specificaitons	shelves/basket	Basket around Evaporator	Basket around Evaporator	Blood Baskets
	Cooling method	Forced Air Cooling	Forced Air Cooling	Forced -air Cooling
	Defrost	Manual	Manual	No Frost
	Refrigerant	R134a	R134a	R134a
	Power consumption(kWh/24h)	1.2	1.6	1.6
	Noise（db）	45	46	50
	Ambient temperature（℃）	10~32℃	10~32℃	10~32℃
	Temperature range（℃）	·-25/4℃	·-25/4℃	4℃
Cooling system	Compressor brand/QTY	China Brand/1	China Brand/1	China Brand/1
	Sensor	NTC	NTC	NTC
	Temperature controller	Microprocessor	Microprocessor	Microprocessor
	Display	Digital display	Digital display	Digital display
Power	Voltage/frequency（V/Hz）	220/50Hz、DC12V/24V	220/50Hz、DC12V/24V	DC12V、DC24V、AC220V
	Power（W）	80W	100W	160W
	Current（A）	DC 6.5A	DC8A	DC12V/14A、DC24V/7A、AC220V/1.5A
Material	Inside material	PE	PE	PE
	Outside material	PE	PE	PE
	Insulation	PURF	PURF	PURF
Size	Capacity（L/cu.ft)	30/1.059	80/2.825	700/24.72
	NT./GT.（kg）	23.5/26.5	50/51	182/209
	Exterior size(W*D*H)(mm)	610*360*460	930*580*570	1070*1120*1080
	Interior size(W*D*H)(mm)	364*253*352.5	547*378*369.5	939*973*863
	Package size(W*D*H)(mm)	680*445*535	990*650*640	1140*1190*1150
	CBM	0.16	0.41	1.56
	20GP/40GP/40HQ	160/340/425	54/108/144	16/40/40
Alarm	High/low temperature	Y	Y	Y
	Power failure	Y	Y	Y
	Sensor error	Y	Y	Y
	Thermostat failure	Y	Y	Y
	Power failure backup system(alarm)	8h	8h	8h
Accessories	Foot	/	/	PE Foot
	Temperature recorder	/	/	Optional
	Remote alarm port	Optional	Optional	/
Other	Certification	ISO,CE	ISO,CE	ISO,CE

PROMED
SERIES

— Blood Platelet Incubator ——Shaking

Blood Platelet Incubator

MDC-10   MDC-5

BOX

• SUS oscillator, mirror surface SUS shelves, box foamed with high density non-CFC material, reasonable design of air duct in the cabinet, axial flow fan makes inner temperature more uniformity with accurate temperature control

SAFETY SYSTEM

• Imported oscillation slide rail for longevity and low noise
• High/low temperature alarm, sensor error alarm, power failure alarm for 72hours, low batery alarm, door ajar alarm
• Two alarm styles: audible buzzing and visual flashing light
• Power cord with earth leakage protection

CHARACTERISTIC FUNCTION

• Disinfection with UV, set disinfection time freely, UV light would be off while door open, to protect human body
• Temperature printer can be set as needed
• Wide voltage from 187V~ 242V
• Power on/off switch, more convenient for operation
• Double transparent insulated glass door for easy observation
• Big digital display for easy observation

PURPOSE

• To store blood platelet (20°C~24°C), biological reagent (2°C~40°C), chemical products stored at (2°C~40°C)
• Suitable for hospitals, blood stations, research institutes and university labs

TEMPERATURE CONTROL MODE

• High accuracy sensor
• Microprocessor temperature control, inner temperature controlled in 22°C ± 2°C
• Intelligent controlled fan with forced cycle system to ensure inner temperature more uniform

REFRIGERATION SYSTEM

• Branded condenser fan
• Branded compressor with CFC-free refrigerant
• High efficiency refrigeration system, fast cooling speed and uniformity temperature inside
• Branded evaporator for safety and longevity
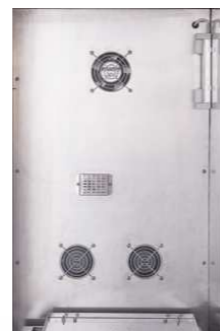• Finned evaporator to speed up the cooling process

—Blood Platelet Incubator

Controller- Big display with all information on it

Backup battery for 72 hours to support alarm function

after power failure.

Printer- To printer current temperature

every 15 minutes.(Printer interval can be

adjust by users)

Intellingent temperature control of
heating & cooling with double
control loop

Stainless steel inner
tank- good performance

UV light for inner disinfection

Mirror surface SUS shelves

Imported oscillation silence rail for

longevity and low noise

Door- Foamed- glass door,
for better thermal insulation

Platelet Incubator

Model		MDC-5	MDC-10
Specificaitons	Shelf/drawer QTY	Drawer	Drawer
	Cooling method	Forced air cooling	Forced air cooling
	Defrost	No frost	No frost
	Refrigerant	R134a	R134a
	Power consumption(kWh/24h)	2.69	4.4
	Noise（db）	49	50
	Ambient temperature（℃）	10~32℃	10~32℃
	Temperature range（℃）	20~24℃	20~24℃
Cooling system	Compressor brand/QTY	EMBRACO/1	EMBRACO/1
	Sensor	NTC	NTC
	Temperature controller	Microprocessor	Microprocessor
	Display	Digital display	Digital display
Power	Voltage/frequency（V/Hz）	220/50Hz	220/50Hz
	Power（W）	197W	280W
	Current（A）	0.9A	1.27A
Material	Inside material	SUS	SUS
	Outside material	Colored Spray Steel	Colored Spray Steel
	Insulation	PU	PU
Size	Capacity（L/cu.ft)	5	10
	Bloodbags(450ml)/Drawer	10 /5 layers	20 /10 layers
	NT./GT.（kg)	65/87	85/108.5
	Exterior size(W*D*H)(mm)	520*640*1030	520*640*1290
	Interior size(W*D*H)(mm)	427*360*467	432*462*728
	Package size(W*D*H)(mm)	590*695*1210	575*690*1450
	CBM	0.50	0.58
	20GP/40GP/40HQ	24/48/96	32/68/68
Alarm System	High/low temperature	Y	Y
	Power failure	Y	Y
	Sensor malfunction	Y	Y
	Low baterry	/	/
	Door ajar	Y	Y
	Power failure backup system(alarm)	72h	72h
Accessories	Caster	Y	Y
	Outer door / Type	1（Foamed glass door）	1（Foamed glass door）
	Test hole	Optional	Optional
	Light	UV Light	UV Light
	Temperature recorder	Optional	Optional
Other	Certification	ISO,CE	ISO,CE

MODEL	Volume（L/cuft）	Exterior Dimensions(mm)	Interior Dimensions(mm)	NT./GT.（kg）	Power/W	Temp Range/℃
MDF-150H128	128L/4.5	1555*956*1047	500*450*578	245/250	2550W	-40℃~-150℃
MDF-86V58	58L/2	635*757*1212	330*453*410	115/155	442W	-40~-86℃
MDF-86V188E	188/6.63	850*930*1595	465*465*830	174/224	660W	-40~-86℃
MDF-86V340E	340/12	875*980*1900	488*607*1140	222/283.5	810W	-40~-86℃
MDF-86V408E	408/14.40	890*930*1945	606*575*1180	234/291	890W	-40~-86℃
MDF-86V588E	588/20.76	880*1090*1995	606*738*1310	290/360	1500W	-40~-86℃
MDF-86V728E	728/25.7	1229×1012×1994.5	963×571×1350	374/394	1400W	-40~-86℃
MDF-86V838E	838/29.59	1175*1075*1990	894*718*1310	344/430	1700W	-40~-86℃
MDF-86V338	338/11.93	880*980*1940	488*607*1140	250/305	870W	-40~-86℃
MDF-86V408	408/14.40	900*940*1940	606*575*1180	292/317	845W	-40~-86℃
MDF-86V588	588/20.76	880*1080*2000	606*738*1310	307/368	815W	-40~-86℃
MDF-86V728	728/25.70	1260*890*2010	963*558*1350	360/401.5	935W	-40~-86℃
MDF-86V838	838/29.59	1190*1045*2010	894×718*1310	397/430	890W	-40~-86℃
MDF-86V408DL	408/14.40	900*940*1940	606*575*1180	255/307	1350W	-40~-86℃
MDF-86V588D	588/20.76	885*1100*1995	606*738*1310	297.5/358.5	1500W	-40~-86℃
MDF-86V728D	728/25.70	1260*890*2010	963*558*1350	360/401.5	/	-40~-86℃
MDF-86V838D	838/29.59	1190*1045*2010	894*718*1310	336.5/416	1700W	-40~-86℃
MDF-86H105	105/3.70	680*580*935	480*380*665	63.7/68.5	500W	-40~-86℃
MDF-86H485	485/17.12	1700*830*980	1455.5*525.2*674	127/152.5	670W	-40~-86℃
MDF-60H105	105/3.70	685*645*930	480*380*665	61/72.5	380W	-25~60℃
MDF-60H485	485/17.12	1670*810*930	1455*525*665	122/149	600W	-25~60℃
MDF-40V268E	268/9.46	690*680*1635	508*455*1137	98.5/118	300W	-30~-40℃
MDF-40V278W	278/9.81	670*640*1695	480*415*1460	79/104.5	185W	-30~40℃
MDF-40V328E	328/11.58	685*670*1900	508*455*1393	110.3/132	300W	-30~-40℃
MDF-40V358	358/12.6	720×830×1870	466×636×625	138/178	310W	-20~40℃
MDF-40V368RF	368/12.99	720*830*1870	F:580*626*625; R:466*636*625	137/166	300W	F:-20℃~-40℃ R:2℃~8℃
MDF-40V528	528/18.64	910*845*1875	(651*631.5*635)*2	151/184	340W	-20℃~-40℃
MDF-40V936	936/33.05	1320*980*2100	1000*700*1335	372/416	1000W	-25~-40℃
MDF-40H105	105/3.70	685*645*930	480*380*665	52/64.5	160W	-10~40℃
MDF-40H305	305/10.7	1218X840X940	1000X520X665	80/85	150W	-20~40℃
MDF-40H485	485/17.12	1670*810*930	1455*525*665	108/135	295W	-20~40℃
MDF-25V100	100/3.53	540*540*880	410X410X670	40kg/43kg	150W	-10~25℃
MDF-25V268E	268/9.46	690*680*1635	508*455*1137	93.5/113.5	180W	-10~-25℃
MDF-25V278W	278/9.81	670*640*1695	480*415*1460	85/101	180W	-10~-25℃
MDF-25V328E	328/11.58	690*680*1900	508*455*1393	104/125	180W	-10~-25℃
MDF-25V358	358/12.6	720×830×1870	466×636×625	138/178	/	-10~-25℃
MDF-25V528	528/18.64	910*845*1875	(651*631.5*635)*2	151/184	260W	'-10°~-25°C
MDF-25V936	936/33.05	1320*980*2100	1000*700*1335	377/421	1000W	-10~25℃
MDF-25H105	105/3.70	615*570*880	480*380*665	41.8/54	174W	-10~-25℃
MDF-25H485	485/17.12	1655×755×915	1455×525×665	124/138	295W	-10~-25℃
MDF-25V300RF	R:198 F:102	650×620×1980	R:565*480*759（mm） F:461*465*600（mm）	100/120	333	F:-10℃~-25℃ R:2℃~8℃
MDF-25V368RF	R:183 F:185	730*830*1880	R:580*626*625（mm） F:466*636*625（mm）	137/166	300	F:-10℃~-25℃ R:2℃~8℃
MDF-25H305	305/10.7	1135*725*890	1000*520*665	74.2/87	106W	-10~25℃

MODEL	Volume（L/cuft）	Exterior Dimensions(mm)	Interior Dimensions(mm)	NT./GT.（kg）	Power/W	Temp Range/℃
MPC-5V60G	60/2.11	495*450*710	410*315*560	33/37	72W	2~8℃
MPC-5V130	130/4.59	500*530*1300	418*390*761	53/57	125W	2~8℃
MPC-5V100	100/3.53	505*510*875	385*356*737	35/38	80W	2~8℃
MPC-5V100-TS1	100/3.53	505*520*875	385*356*737	30/33	80W	2~8℃
MPC-5V226	226L/8	625*594*1707	534*406*1150	73/76kg	140W	2~8℃
MPC-5V312	312/11.02	650*624*1902	560*485*1350	86/90	245W	2~8℃
MPC-5V316	316/11.15	660*555*1915	540*425*1380	92.5/100	228W	2~8℃
MPC-5V315	316/11.15	660*555*1915	540*425*1380	92.5/100	216W	2~8℃
MPC-5V415	416/14.69	800*552*1940	685*429*1380	120/133	280W	2~8℃
MPC-5V416	416/14.69	800*552*1940	685*429*1380	120/133	240W	2~8℃
MPC-5V656	656/23.16	1240*630*1895	1100*454*1325	166/184	385W	2~8℃
MPC-5V1006	1006/35.52	1240*820*1900	1100*684*1325	189/213	425W	2~8℃
MPC-5V1500	1500/52.97	1800*775*1965	1680*595*1312	245/280	1040W	2~8℃
MPC-5V516DL	516/18.2	695*794*1993	595*641*1475	/	350W	2~8℃
MPC-5V516ADL	516/18.2	695*794*1993	595*641*1475	/	350W	2~8℃
MPC-5V1106DL	1106/39	1325*794*1989	1225*641*1562	/	550W	2~8℃
MPC-5V1106ADL	1106/39	1325*794*1989	1225*641*1562	/	550W	2~8℃
MBC-4V108	108/3.81	540*630*1030	432*462*478	74/95	175W	4±1℃
MBC-4V208	208/7.34	540*640*1530	432*462*978	96/120	183W	4±1℃
MBC-4V368	368/12.98	785*565×1920	685*429*1380	128/135	325W	4±1℃
MBC-4V658	658/23.23	1225*640*1895	1100*454*1325	202/257	364W	4±1℃
MBC-4V1008	1008/35.59	1240*860*1895	1100*684*1325	265/335	513W	4±1℃
MDC-5	5	520*640*1030	427*360*467	65/87	197W	20~24℃
MDC-10	10	520*640*1290	432*462*728	85/108.5	280W	20~24℃
MDF-25H30LC	30/1.059	610*360*460	364*253*352.5	23.5/26.5	80W	-25/4℃
MDF-25H80LC	80/2.825	930*580*570	547*378*369.5	50/51	100W	-25/4℃
MBC-4V700LC	700/24.72	1070*1120*1080	939*973*863	182/209	160W	4℃