

Glacier III - 408L

-86°C Ultra Low Temperature Freezer

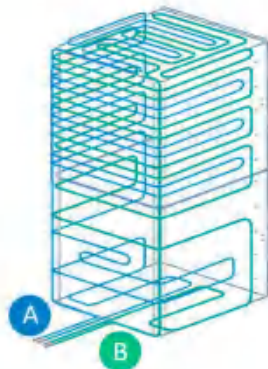
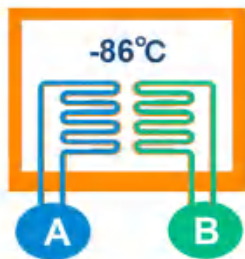


408 liters
288,000
samples



METHER DUAL SYSTEM ULT SERIES

-86°C ULT freezer is specially designed and manufactured for long term storage of various biological products, including viruses, germs, erythrocytes, leucocyte and cutis. Applications can be found in blood banks, hospitals, edipemic prevention service, and research institutes, laboratories in electronic and chemical plants and biological engineering institutes.

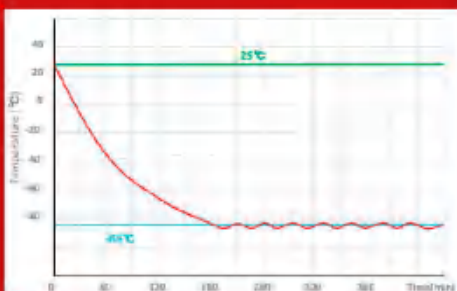
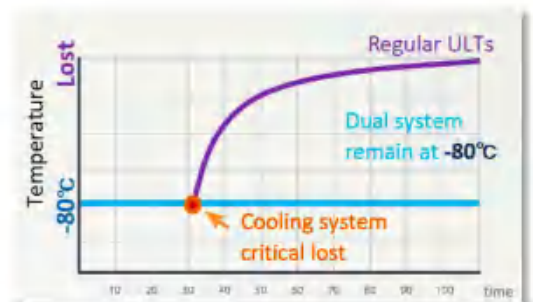


❄️ 2 Independent Cooling System

Dual cooling system is designed with 2 independent cooling systems which provides extra insurance for bio-samples. Dual cooling system maximizes optimal reliability, longevity

✓ Extreme Safety

Should one system unexpectedly fail, the other will maintain a temperature in the -70°C range ensuring that the sensitive samples not put at risk separately.



Pull down test at ambient temp. 25°C

📉 Ultimate cooling performance

Under normal working conditions, the 2 independent systems start in sequence at intervals. Then 2 systems work together to get a rapid pull-down performance.

EXTERNAL STRUCTURE

File box
Easy to place log files

Ergonomic handle
Easy open
Lock&keys
Padlock hole

Quick-release filter
Easy open & Quick clean

7" touch screen
All information display
Air pressure balance valve

USB interface
White board

Heavy duty castors
Universal wheels

METHER ULT freezers are made of color spayed anti-bacterial and anti-corrosion cold-rolled steel. Various configurations and humanized designs bring great convenience to users.

Access port

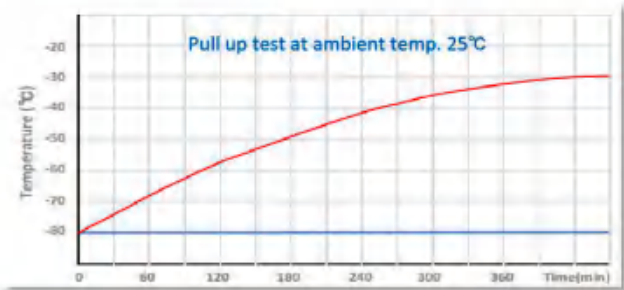
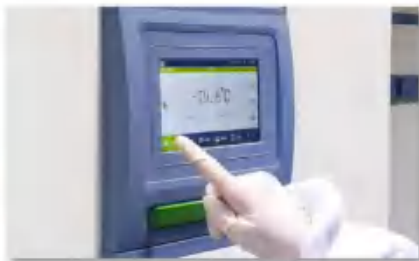
Remote interface
RS232/485

Power on/off

FEATURERS

7" LCD touch screen
Easy operation and observation

Smart Operating System
Authorities, alarms, curve & events



Advanced insulation tech
Fumed Silicon V.I.P & PURF

Multi-layer sealing design
Foamed inner doors with silicon gaskets

Eco-friendly
CFC-free refrigerant & insulation

Energy saving
More efficient cooling system



INTERNAL STRUCTURE



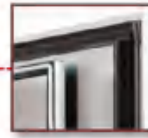
Adjustable shelves



PTC sensor



Pressure-regulated inner door handle



Multi-layer silicone sealing gaskets
Low temperature resistance



SUS 304 inner door filled with PURF
Detachable design

ALL
SUS 304
inside



SPECIFICATIONS

Basic		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R4001 (mixed gas)	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-40℃~-86℃	System	Dual system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PTC	Sensor error	Y
Display	7" LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	408/14.40	Filter screen check	Y
USB Access	Y	Insulation	PURF	Thermostat failure	Y
Remote alarm Access	RS232/485	Inner door material/QTY	Foamed SUS304/2	Low battery	Y
Outside material	Color sprayed steel	Racks	8(5X4)+8(4*4)	Condenser clean	Y
Inside material	SUS304	Boxes (2 Inches)	288	High ambient temperature	Y
Castor	Universal	Samples(2ml)	28,800	Door ajar	Y
				Power failure backup (alarm)	72h
Electrical Data		Dimensions		Accessories	
Voltage frequency(V/Hz)	220V 50Hz/60Hz	Package size(W*D*H)(mm)	954*955*2094	Chart recorder	Optional
Power(W)	1350W	Exterior size(W*D*H)(mm)	891*992*1945.5	Data logger	Optional
Current(A)	8.9A	Interior size(W*D*H)(mm)	606*575*1180	CO2 back up system	Optional
Power consumption	13.8Wh/24h	Shipping CBM	1.93	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	285/310	Gloves	Optional

ACCESSORIES



LN₂/CO₂ backup system



Data logger



Chart recorder



Racks & Boxes



Gloves

Glacier III - 588L

-86°C Ultra Low Temperature Freezer



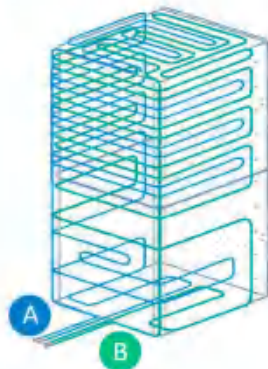
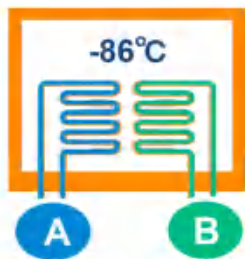
588 liters
40,000
samples



METHER DUAL SYSTEM ULT SERIES

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METHER DUAL SYSTEM

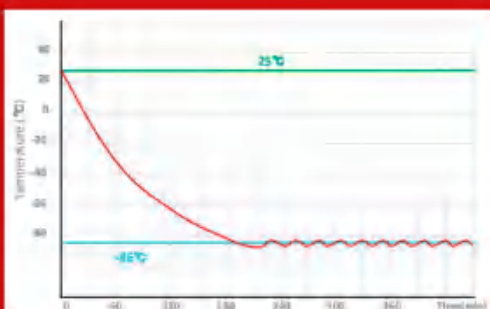
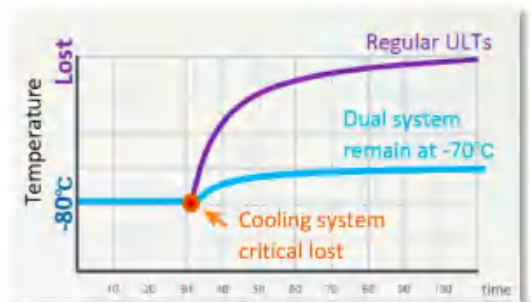


❄️ 2 Independent Cooling System

Dual cooling system is designed with 2 independent cooling systems which provides extra insurance for bio-samples. Dual cooling system maximizes optimal reliability, longevity

✓ Extreme Safety

Should one system unexpectedly fail, the other will maintain a temperature in the -70°C range ensuring that the sensitive samples not put at risk separately.



Pull down test at ambient temp. 25°C



Ultimate cooling performance

Under normal working conditions, the 2 independent systems start in sequence at intervals. Then 2 systems work together to get a rapid pull-down performance.

EXTERNAL STRUCTURE

File box
Easy to place log files

Ergonomic handle
Easy open
Lock&keys
Padlock hole

Quick-release filter
Easy open & Quick clean

7" touch screen
All information display
Air pressure balance valve

USB interface
White board

Heavy duty castors
Universal wheels

Access port

Remote interface
RS232/485

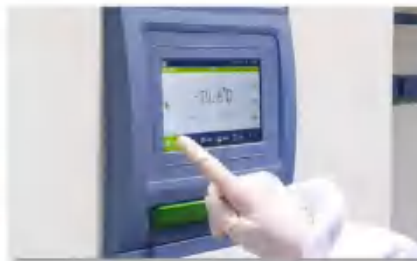
Power on/off

METHER ULT freezers are made of color spayed anti-bacterial and anti-corrosion cold-rolled steel. Various configurations and humanized designs bring great convenience to users.

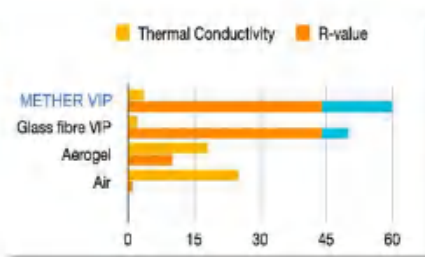
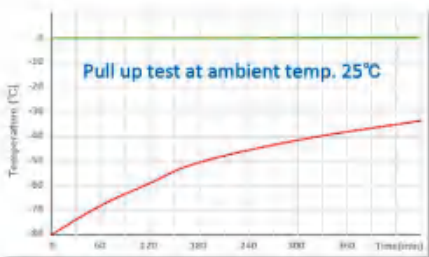
FEATURERS



7" LCD touch screen
Easy operation and observation



Smart Operating System
Authorities, alarms, curve & events



Advanced
Fumed Silicon V.I.P &



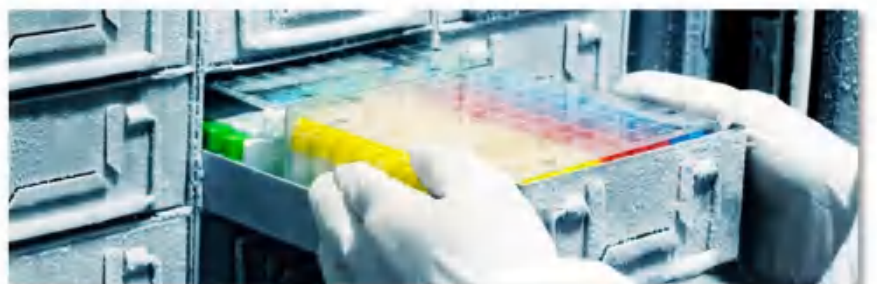
Multi-layer
Foamed inner doors with



Eco-friendly
CFC-free refrigerant & insulation



Energy saving
More efficient cooling system



INTERNAL STRUCTURE



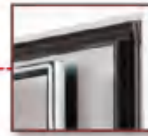
Adjustable shelves



PTC sensor



Pressure-regulated inner door handle



Multi-layer silicone sealing gaskets
Low temperature resistance



SUS 304 inner door filled with PURF
Detachable design



SPECIFICATIONS

Basic		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R4001 (mixed gas)	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-40℃~-86℃	System	Dual system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PTC	Sensor error	Y
Display	7" LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	588/20.76	Filter screen check	Y
USB Access	Y	Insulation	PURF+VIP	Thermostat failure	Y
Remote alarm Access	RS232/485	Inner door material/QTY	Foamed SUS304/2	Low battery	Y
Outside material	Color sprayed steel	Racks	16(5X5)	Condenser clean	Y
Inside material	SUS304	Boxes (2 Inches)	400	High ambient temperature	Y
Castor	Universal	Samples(2ml)	40,000	Door ajar	Y
				Power failure backup (alarm)	72h
Electrical Data		Dimensions		Accessories	
Voltage frequency(V/Hz)	220V 50Hz/60Hz	Package size(W*D*H)(mm)	970*1138*2185	Chart recorder	Optional
Power(W)	1500W	Exterior size(W*D*H)(mm)	891*1155*1994.5	Data logger	Optional
Current(A)	10.47A	Interior size(W*D*H)(mm)	606*738*1310	CO2 back up system	Optional
Power consumption	16.23Wh/24h	Shipping CBM	2.42	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	303/332	Gloves	Optional

ACCESSORIES



LN₂/CO₂ backup system



Data logger



Chart recorder



Racks & Boxes



Gloves

Glacier III - 728L

-86°C Ultra Low Temperature Freezer



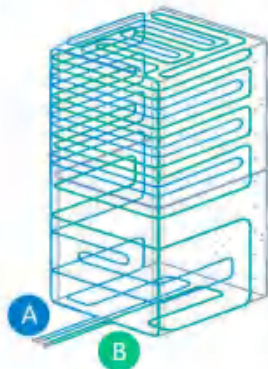
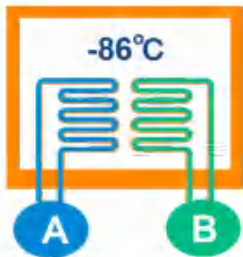
728D liters
50,400
samples



METHER DUAL SYSTEM ULT SERIES

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METHER DUAL SYSTEM

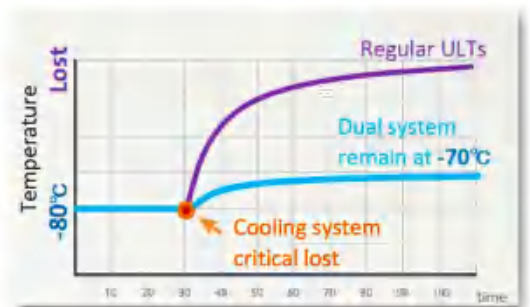


❄️ 2 Independent Cooling System

Dual cooling system is designed with 2 independent cooling systems which provides extra insurance for bio-samples. Dual cooling system maximizes optimal reliability, longevity

✓ Extreme Safety

Should one system unexpectedly fail, the other will maintain a temperature in the -70°C range ensuring that the sensitive samples not put at risk separately.

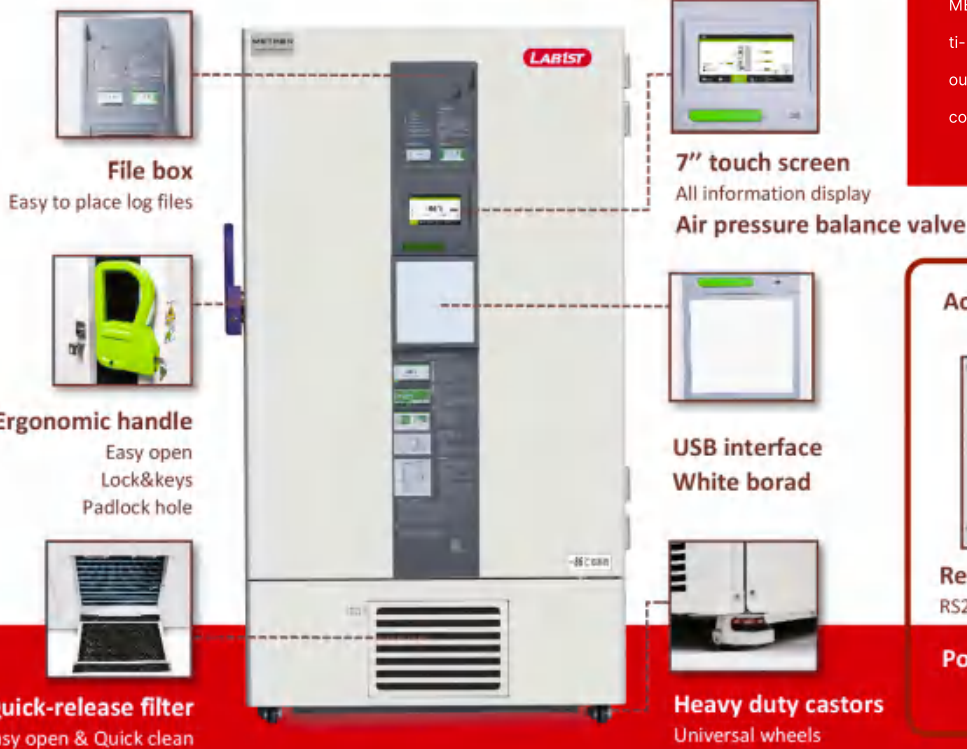


Pull down test at ambient temp. 25°C

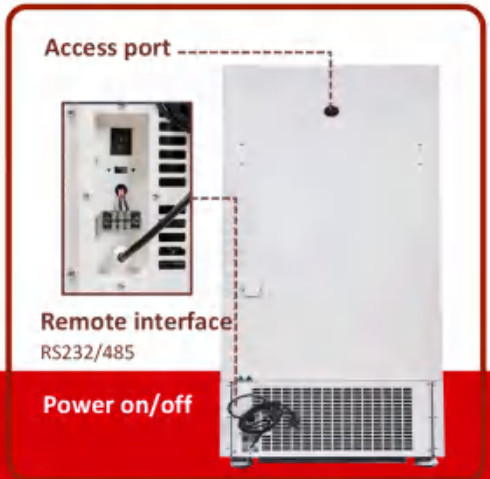
⚡ Ultimate cooling performance

Under normal working conditions, the 2 independent systems start in sequence at intervals. Then 2 systems work together to get a rapid pull-down performance.

EXTERNAL STRUCTURE



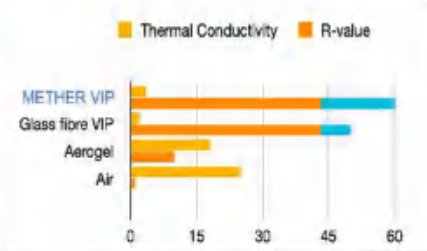
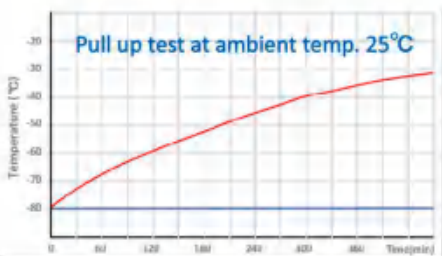
METHER ULT freezers are made of color spayed anti-bacterial and anti-corrosion cold-rolled steel. Various configurations and humanized designs bring great convenience to users.



FEATURERS

7" LCD touch screen
Easy operation and observation

Smart Operating System
Authorities, alarms, curve & events



Advanced
Fumed Silicon V.I.P &

Multi-layer
Foamed inner doors with

Eco-friendly
CFC-free refrigerant & insulation

Energy saving
More efficient cooling system



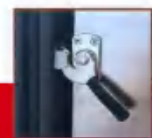
INTERNAL STRUCTURE



Adjustable shelves



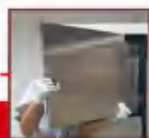
PTC sensor



Pressure-regulated inner door handle



Multi-layer silicone sealing gaskets
Low temperature resistance



SUS 304 inner door filled with PURF
Detachable design

**ALL
SUS 304
inside**

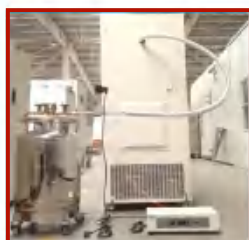


SPECIFICATIONS

Basic		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R4001 (mixed gas)	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-40℃~-86℃	System	Dual system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PTC	Sensor error	Y
Display	7" LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	728/25.70	Filter screen check	Y
USB Access	Y	Insulation	PURF+VIP	Thermostat failure	Y
Remote alarm Access	RS232/485	Inner door material/QTY	Foamed SUS304/2	Low battery	Y
Outside material	Color sprayed steel	Racks	18(5x4)+6(6x4)	Condenser clean	Y
Inside material	SUS304	Boxes (2 Inches)	504	High ambient temperature	Y
Castor	Universal	Samples(2ml)	50,400	Door ajar	Y
				Power failure backup (alarm)	72h

Electrical Data		Dimensions		Accessories	
Voltage frequency(V/Hz)	220V 50Hz/60Hz	Package size(W*D*H)(mm)	1320*970*2185	Chart recorder	Optional
Power(W)	1400W	Exterior size(W*D*H)(mm)	1248*975*1994.5	Data logger	Optional
Current(A)	10.37A	Interior size(W*D*H)(mm)	963*558*1350	CO2 back up system	Optional
Power consumption	23.44Wh/24h	Shipping CBM	2.8	LN2 back up system	Optional
Noise(db)	55	N.W/G.W(kg)	380/400	Gloves	Optional

ACCESSORIES



LN₂/CO₂ backup system



Data logger

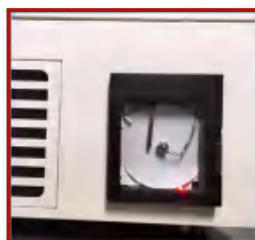


Chart recorder



Racks & Boxes



Gloves

Glacier III - 838L

-86°C Ultra Low Temperature Freezer



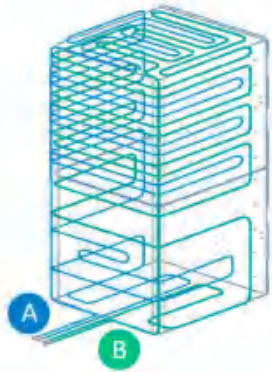
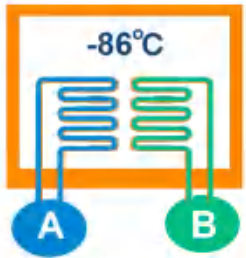
838D liters
60,000
samples



METHER DUAL SYSTEM ULT SERIES

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METHER DUAL SYSTEM

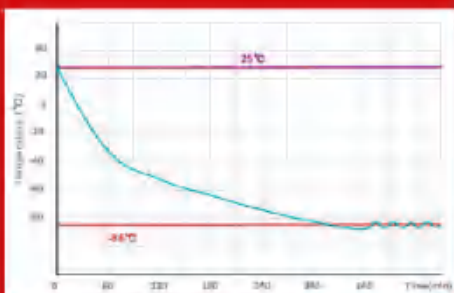
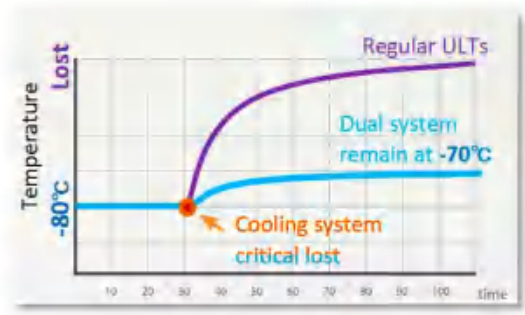


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Pull down test at ambient temp. 25°C

📉 Ultimate cooling performance

Under normal working conditions, the 2 independent systems start in sequence at intervals. Then 2 systems work together to get a rapid pull-down performance.

EXTERNAL STRUCTURE

- File box**
Easy to place log files
- Ergonomic handle**
Easy open
Lock&keys
Padlock hole
- Quick-release filter**
Easy open & Quick clean
- 7" touch screen**
All information display
- Air pressure balance valve**
- USB interface**
White board
- Heavy duty castors**
Universal wheels

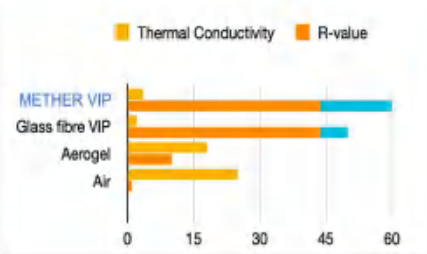
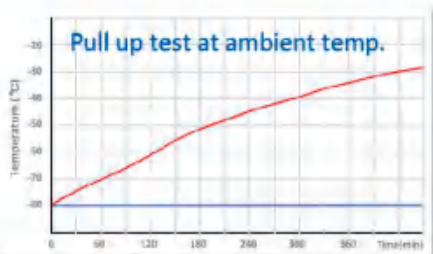
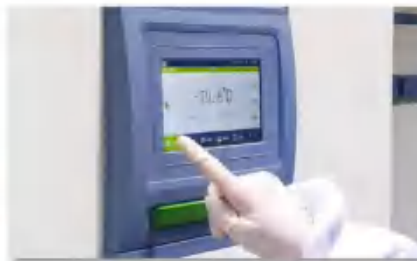
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- Access port**
- Remote interface**
RS232/485
- Power on/off**

FEATURERS

7" LCD touch screen
Easy operation and observation

Smart Operating System
Authorities, alarms, curve & events



Advanced
Fumed Silicon V.I.P &

Multi-layer
Foamed inner doors with

Eco-friendly
CFC-free refrigerant & insulation

Energy saving
More efficient cooling system



INTERNAL STRUCTURE



Adjustable shelves



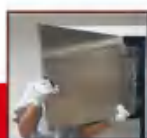
PTC sensor



Pressure-regulated inner door handle



Multi-layer silicone sealing gaskets
Low temperature resistance



SUS 304 inner door filled with PURF
Detachable design

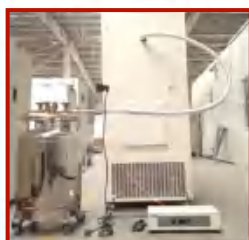
**ALL
SUS 304
inside**



SPECIFICATIONS

Basic		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R4001 (mixed gas)	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-40℃ ~ -86℃	System	Dual system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PTC	Sensor error	Y
Display	7" LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	838/29.59	Filter screen check	Y
USB Access	Y	Insulation	PURF+VIP	Thermostat failure	Y
Remote alarm Access	RS232/485	Inner door material/QTY	Foamed SUS304/2	Low battery	Y
Outside material	Color sprayed steel	Racks	24(5X5)	Condenser clean	Y
Inside material	SUS304	Boxes (2 Inches)	600	High ambient temperature	Y
Castor	Universal	Samples(2ml)	60,000	Door ajar	Y
				Power failure backup (alarm)	72h
Electrical Data		Dimensions		Accessories	
Voltage frequency(V/Hz)	220V 50Hz/60Hz	Package size(W*D*H)(mm)	1262*1098*2185	Chart recorder	Optional
Power(W)	1700W	Exterior size(W*D*H)(mm)	1179*1135*1994.5	Data logger	Optional
Current(A)	10.75A	Interior size(W*D*H)(mm)	894*718*1310	CO2 back up system	Optional
Power consumption	19.98Wh/24h	Shipping CBM	3.12	LN2 back up system	Optional
Noise(db)	55	N.W/G.W(kg)	391/424	Gloves	Optional

ACCESSORIES



LN₂/CO₂ backup system



Data logger



Chart recorder



Racks & Boxes



Gloves