

MDF-86V58

-86°C Ultra Low Temperature Freezer



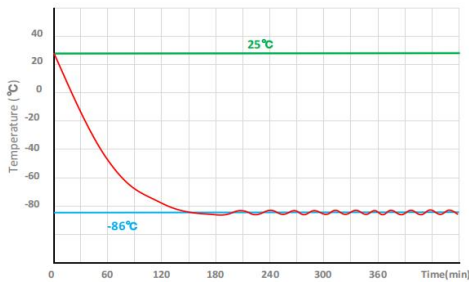
58 liters
2,400 samples



METHER AUTO-CASCADE 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.

METHER AUTO-CASCADE SYSTEM



Pull down test at ambient temp.



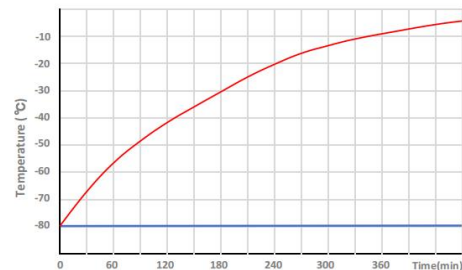
Super-cooling technology

Auto-ascade cooling system is designed with a powerful compressor which drives the unique mixed refrigerant for fast cabinet cooling down. The system is simple in construction, energy saving and easy maintenance.



Advanced thermal insulation

Advanced insulation materials and interior design of multiple independent spaces make ULTs more efficient in Insulation and less heat loss, so as to achieve the purpose of better thermal insulation performance and energy saving.



Pull up test at ambient temp. 25°C



MDF-86V588E

MDF-86V728E

MDF-86V838E

MDF-86V408E

MDF-86V340E

MDF-86V188E

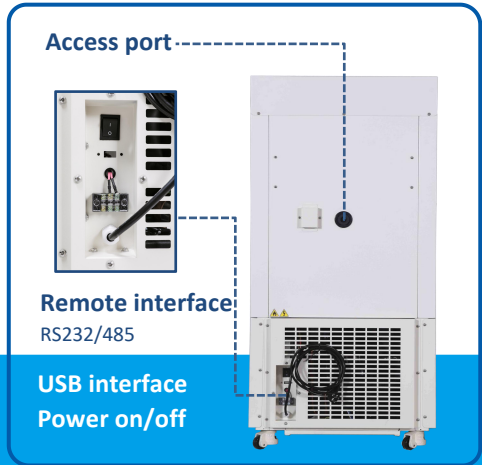
MDF-86V58

METHER
58 - 838 liters
2,400 - 60,000 samples
for options

EXTERNAL STRUCTURE



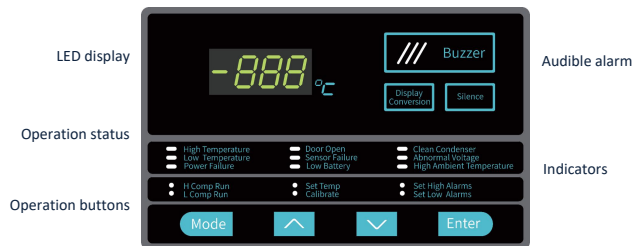
METHER ULT freezers are made of color spayed anti-bacterial and anti-corrosion cold-rolled steel. Various configurations and humanized designs bring great convenience to users.



FEATURES

Large LED display
Full-function control panel

10 types of Alarms
Audible and visual alarms

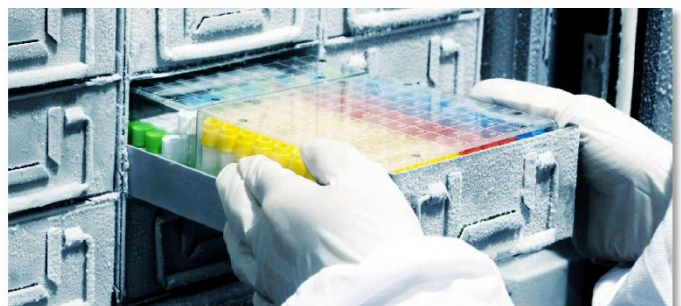


Multi-layer sealing design
Better sealing, better insulation

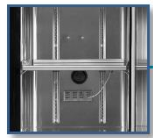
International certifications
ISO9001, ISO13485 & CE verified

Eco-friendly
CFC-free refrigerant & insulation

Energy saving
More efficient cooling system



INTERNAL STRUCTURE



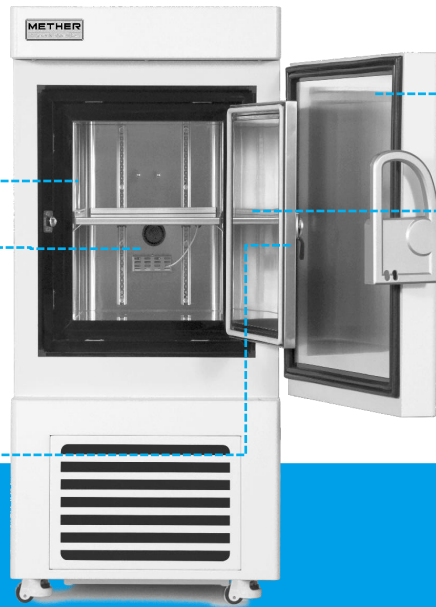
Adjustable shelf



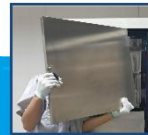
PTC100 probe
Access port



Pressure-regulated
inner door handle



Multi-layer silicone
sealing gaskets
Low temperature resistance



Detachable inner doors

**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	Auto-cascade	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PTC 100	Sensor error	Y
Display	LED digital	Compressor brand/QTY	SECOP/1	Door ajar	Y
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	58/2.0	Filter screen check	Y
USB Interface	Yes/1	Insulation	PURF	Thermostat failure	Y
Remote alarm Access	Y	Inner door material/QTY	Foamed SUS304/3	Low battery	Y
RS485 Access	Y	Racks	2(6x2)	Condenser clean	Y
Outside material	Color sprayed steel	Boxes (2 Inches)	24	High ambient temperature	Y
Inside material	SUS304	Samples(2ml)	2,400	Door ajar	Y
Castor	Universal			Power failure backup (alarm)	72h
Electrical Data		Dimensions		Accessories	
Voltage frequency(V/Hz)	220V 50Hz/60Hz	Package size(W*D*H)(mm)	730*845*1400	Chart recorder	Optional
Power(W)	442W	Exterior size(W*D*H)(mm)	635*757*1212	Data logger	Optional
Current(A)	3.18A	Interior size(W*D*H)(mm)	330*453*410	CO2 back up system	Optional
Power consumption	6.09Wh/24h	Shipping CBM	0.9	LN2 back up system	Optional
Noise(db)	50	N.W/G.W(kg)	112/146	Gloves	Optional

ACCESSORIES



LN₂/CO₂ backup system



Data logger



Chart recorder



Racks & Boxes



Gloves