

MDF-86V588E

-86°C Ultra Low Temperature Freezer



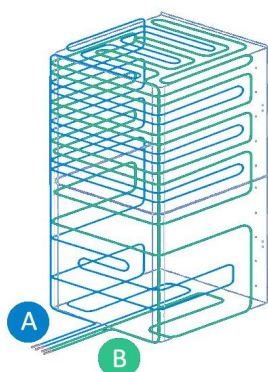
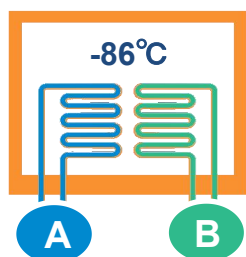
588 liters
40,000
samples



DUAL COOLING SYSTEM 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, epidemic prevention service, and research institutes, laboratories in electronic and chemical plants and biological engineering institutes.

METHER DUAL SYSTEM



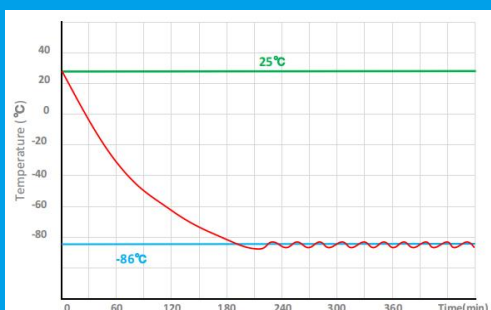
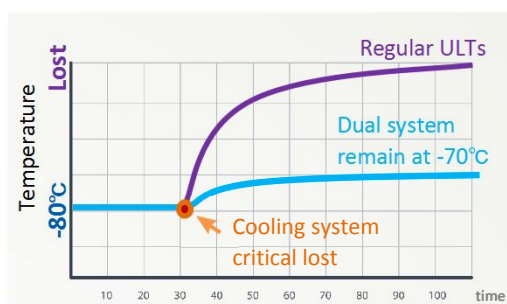
2 Independent Cooling System

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



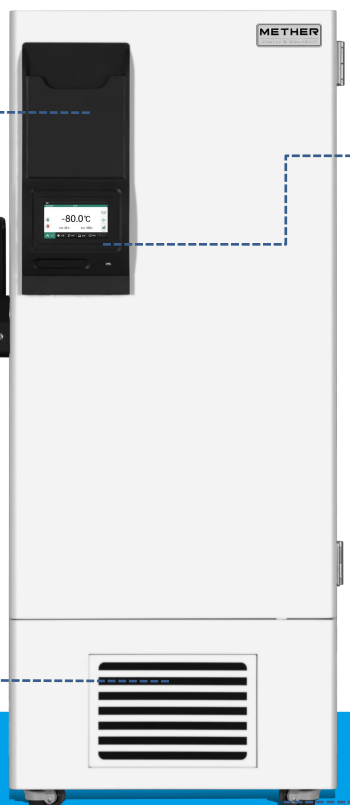
Ergonomic handle

Easy open
Lock&keys



Quick-release filter

Easy open & Quick clean



7" touch screen
Vacuum release port
USB data logger



Heavy duty castors
Universal wheels

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

Access port



Remote interface
RS232/485

USB interface
Power on/off



FEATURERS



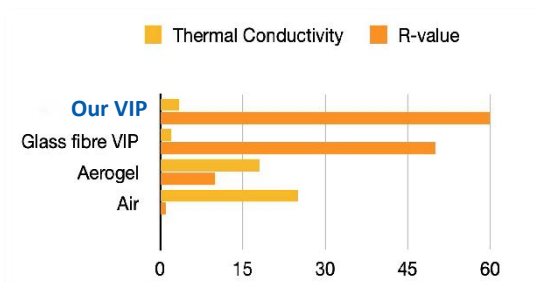
7" LCD touch screen

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



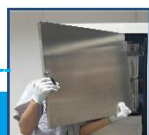
PTC sensor



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	Auto-cascade	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PTC 100	Sensor error	Y
Display	LED digital	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 Interface	Yes/1	Insulation	PURF+VIP	Thermostat failure	Y
Remote alarm Access	Y	Inner door material/QTY	Foamed SUS304/2	Low battery	Y
RS485 Access	Y	Racks	16(5X5)	Condenser clean	Y
Outside material	Color sprayed steel	Boxes (2 Inches)	400	High ambient temperature	Y
Inside material	SUS304	Samples(2ml)	40000	Power failure backup (alarm)	72h
Castor	Universal				
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)	10.35A	Interior size(W*D*H)(mm)	606*738*1310	CO2 back up system	Optional
Power consumption	16.02KWh/24h	Shipping CBM	2.42	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	283/345.5	Gloves	Optional

ACCESSORIES



LN₂/CO₂ backup system



Data logger



Chart recorder



Racks & Boxes



Gloves