

MDF-86V408E

-86°C Ultra Low Temperature Freezer



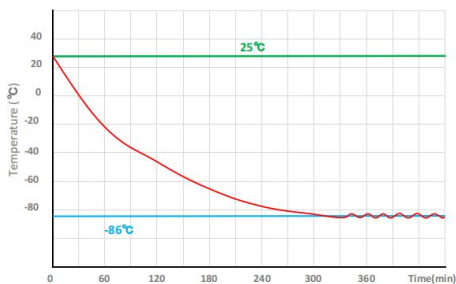
408 liters
28,800 samples



PROMED AUTO-CASCADE 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 AUTO-CASCADE SYSTEM



Pull down test at ambient temp.



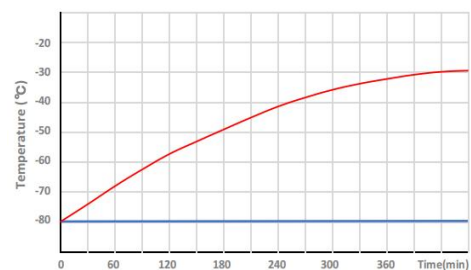
Advanced thermal insulation

The insulation are designed with the latest generation of VIP technology to achieve thermal conductivity of 0.005 W(m.K). That makes ULTs more efficient in Insulation and less heat loss, so as to achieve the purpose of energy saving as well as space-saving.

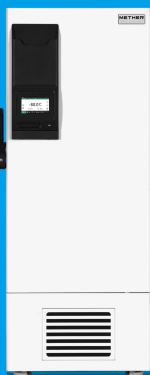


Super-cooling technology

The powerful cooling system drives the unique mixed refrigeration system for fast cooling down. This system is stable, energy saving and easy maintenance.

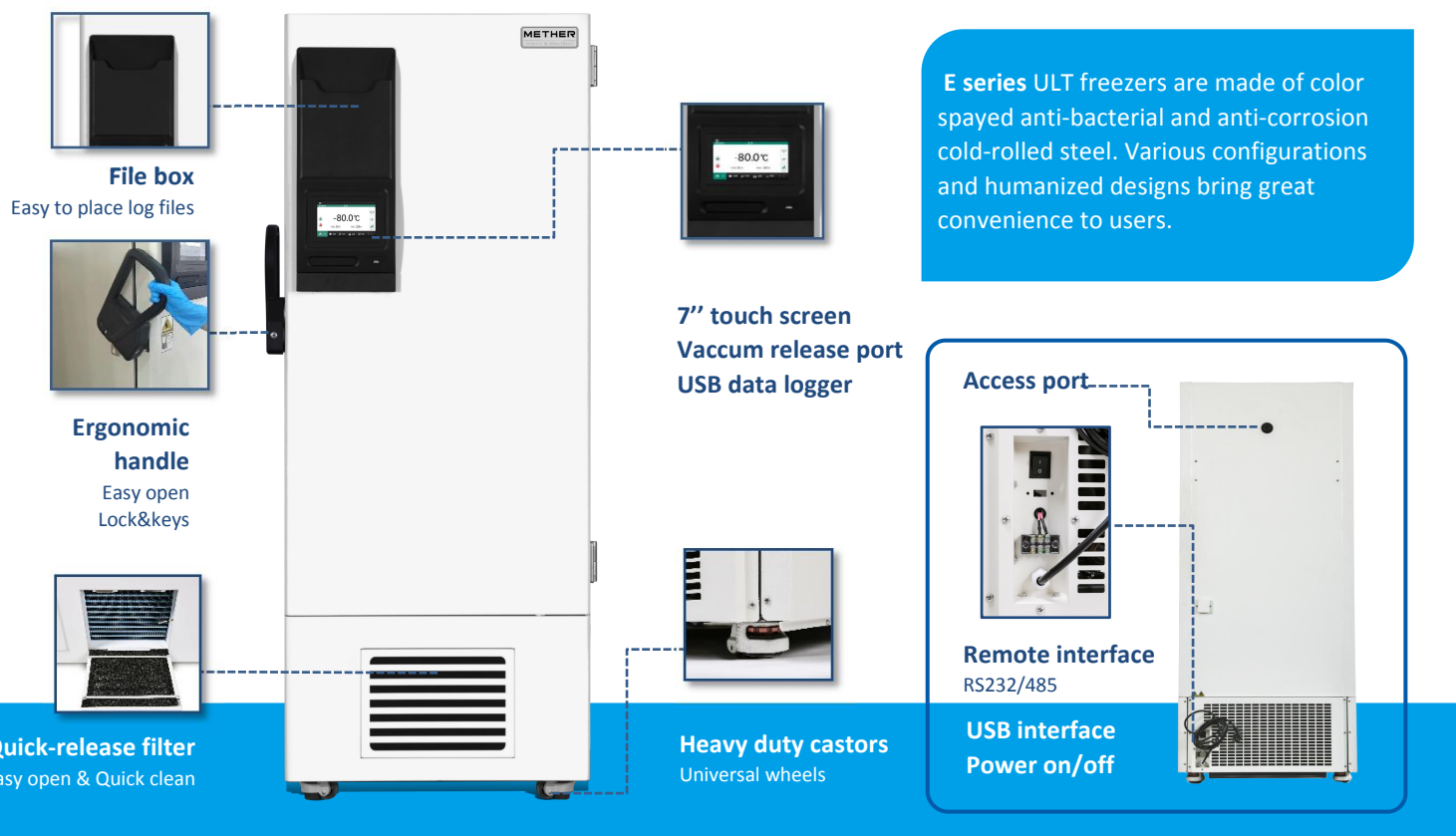


Pull up test at ambient temp. 25°C



58 -838 liters
2,400-60,000 samples

EXTERNAL STRUCTURE



FEATURES



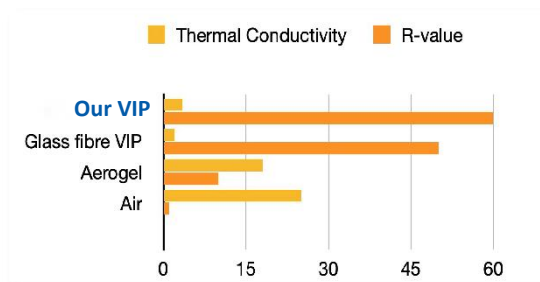
7" LCD touch screen

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



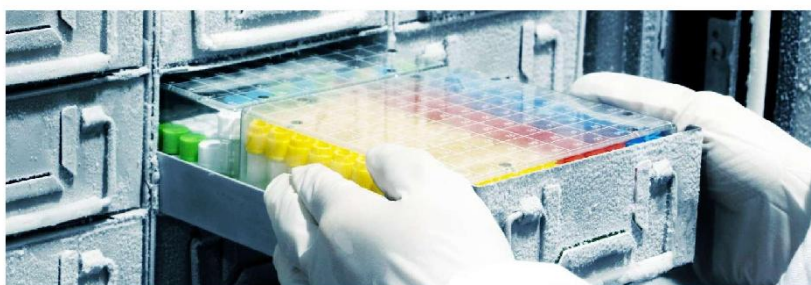
Eco-friendly

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	7" LCD touch display	Compressor brand/QTY	SECOP/1	Door ajar	Y
Access port QTY/Dia.	2/25mm	Capacity(L/cu.ft)	408/14.40	Filter screen check	Y
USB Interface	Yes/1	Insulation	PURF	Thermostat failure	Y
Remote alarm Access	Y	Inner door material/QTY	Foamed SUS304/2	Low battery	Y
RS485 Access	Y	Racks	16(5X5,4X4)	Condenser clean	Y
Outside material	Color sprayed steel	Boxes (2 Inches)	288	High ambient temperature	Y
Inside material	SUS304	Samples(2ml)	28800	Power failure backup (alarm)	72h
Castor	Universal				

Electrical Data		Dimensions		Accessories	
Voltage frequency(V/Hz)	220V 50Hz	Package size(W*D*H)(mm)	965*1040*2120	Chart recorder	Optional
Power(W)	890W	Exterior size(W*D*H)(mm)	872*1028*1945.5	Data logger	Optional
Current(A)	5.34A	Interior size(W*D*H)(mm)	606*575*1180	CO2 back up system	Optional
Power consumption	12.28KWh/24h	Shipping CBM	2.13	LN2 back up system	Optional
Noise(db)	50	N.W/G.W(kg)	235/279.5	Gloves	Optional

ACCESSORIES



LN₂/CO₂ backup system



Data logger



Chart recorder



Racks & Boxes



Gloves