FSF-86V58U -86℃ Ultra Low Temperature Freezer

-86℃ Mini 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 with limited space or undertable use.

Features

- 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：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.
- Large LED display：Full-function control panel.
- 10 types of Alarms：Audible and visual alarms.
- Multi-layer sealing design：Better sealing, better insulation.
- Eco-friendly:CFC-free refrigerant & insulation.
- Energy saving:More efficient cooling system.



Structure

- Ergonomic handle
- High denity foaming
- Quick-release filter
- Full-function control panel (LED display)
- Power on/off
- Remote interface
- RS232/485
- Heavy duty castors Leveling Feet
- PTC100 probe
- Access port
- Adjustable shelf
- Multi-layer silicone sealing gaskets
- Pressure-regulated inner door handle
- Detachable inner doors
- USB interface

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R4001(mxed 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	PT100	Sensor error	Y
Display	LED digital	Compressor brand/QTY	SECOP/1	Door ajar	Y
Access port QTY/Dia.	1/25mm	Insulation	PURF	Filter screen check	Y
USB Intereface	Yes/1	Inner door material/QTY	Foamed SS/1	Thermostat failure	Y
Remote alarm Access	Y	Racks	2(6x2)	Low battery	Y
RS485 Access	Y	Boxes (2 Inches)	24	Condenser clean	Y
Outside material	Color sprayed steel	Samples(2ml)	2,400	High ambient temperature	Y
Inside material	Stainless steel			Power failure backup (alarm)	72h
Castor	Universal				

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/60Hz	Package size(W*D*H)(mm)	970*820*940	Chart recorder	Optional
Power(W)	363W	Exterior size(W*D*H)(mm)	904*798*748	Data logger	Optional
Current(A)	4A	Interior size(W*D*H)(mm)	330*453*410	CO2 back up system	Optional
Power consumption	6.09 Wh/24h	Capacity(L/cu.ft)	58/2.0	LN2 back up system	Optional
Noise(db)	50	N.W/G.W(kg)	94/129.5	Gloves	Optional