FSF-86V188E -86℃ Ultra Low Temperature Freezer

-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.

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：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.
- Large LED display：Full-function control pane.
- 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：Easy open ; Padlock hole
- Quick-release filter：Easy open & Quick clean
- Heavy duty castors：Universal wheels
- Remote interface：RS232/485
- Adjustable shelf
- Large LED display
- PT100 sensor
- Pressure-regulated inner door handle
- Multi-layer silicone sealing gaskets
- Low temperature resistance
- Stainless steel inner door filled with PURF
- Detachable design
- Access port

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	Digital display	Compressor brand/QTY	CUBIGEL/1	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF	Filter screen check	Y
USB Intereface	Yes/1	Inner door material/QTY	Foamed SUS304/3	Thermostat failure	Y
Outside material	Power coated steel	Racks	9(4x3)	Low battery	Y
Inside material	Stainless steel	Boxes (2 Inches)	108	Condenser clean	Y
Castor	Y/4 4Universal	Samples(2ml)	10800	High ambient temperature	Y
Inside door	3	Refrigerant Weight(g)	290	Power failure backup (controller)	72h
Shelf/drawer QTY	Stainless steel shelf/2			Remote alarm port	Y

Electrical Data		Dimensions		Other	
Voltage	220V, 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	910*870*1820	Chart recorder	Optional
Power(W)	660W	Exterior size(W*D*H)(mm)	830*810*1607.5	Data logger	Optional
Current(A)	3.14A	Interior size(W*D*H)(mm)	465*465*830	CO2 back up system	Optional
Power consumption	9.61Wh/24h	Capacity(L/cu.ft)	188/6.63	LN2 back up system	Optional
Noise(db)	52	NW./GW.（kg)	194.5/227	Gloves	Optional
				RS485 access	Optional