-86℃ Ultra Low Temperature Freezer (D 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.

Features

- 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 and efficiency.
- Extreme Safety：Should one system unexpectedly fail, the other will maintain a temperature in the -70℃ range ensuring that the sensitive samples not put at risk separately.
- 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.
- 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.

Structure

- File box
- Ergonomic handle
- Lock & keys
- Padlock hole
- Quick-release filter
- All information display
- 7″ touch screen
- Air pressure balance valve
- Access port
- Remote interface RS232/485
- USB interface
- White borad
- Heavy duty castors
- Universal wheels
- Adjustable shelves
- PT100 sensor
- Pressure-regulated inner door handle
- Multi-layer silicone sealing gaskets
- Stainless steel inner door filled with PURF

Alarm System

- High/low temperature
- Power failure
- Abnormal voltage
- Sensor error
- Door ajar
- Filter screen check
- Thermostat failure
- Low battery
- Condenser clean
- High ambient temperature
- Power failure alarm(For controller): 72H



FSF-86V408D/FSF-86V588D



FSF-86V728D/FSF-86V838D

Technical Parameter

Model	FSF-86V408D	FSF-86V588D	FSF-86V728D	FSF-86V838D
Cooling method	Direct Cooling			
Defrost	Manual			
Temperature range	-40℃～-86℃			
Ambient temperature	10~32℃			
Display	7'' LCD touch screen			
Access port QTY/Dia.	2/25mm			
Outside material	Color sprayed steel			
Inside material	Stainless steel			
Castor	Universal			
Refrigerant	R4001 (mixed gas)			
Temp. controller	Microprocessor			
System	Dual cooling system			
Sensor	PT100			
Compressor brand/QTY	SECOP/2			
Insulation	PURF+VIP			
Inner door material/QTY	Foamed SS/2			
Racks	8(5X4)+8(4*4)	16*(5x5)	18*(5x4)+6*(6x4)	24*(5x5)
Boxes (2 Inches)	288	400	504	600
Samples(2ml)	28,800	4000	50400	60000
Voltage frequency	220V 50/60Hz;110V/60Hz			
Power(W)	1350	1500	1400	1700
Current(A)	11A	10.47	10.37	10.75
Power consumption	12.3kWh/24h	16.1kWh/24h	18.1kWh/24h	18.8kWh/24h
Noise(db)	53	53	55	55
Package size(W*D*H)(mm)	965*1025*2125	970*1180*2200	1330*1015*2210	1270*1170*2200
Exterior size(W*D*H)(mm)	891*992*1945.5	891*1155*1994.5	1248*975*1994.5	1179*1135*1994.5
Interior size(W*D*H)(mm)	606*575*1180	606*738*1310	963*558*1350	894*718*1310
Capacity(L/cu.ft)	408/14.40	588	728	838
N.W/G.W(kg)	235.5/315	283/358.5	316/392	391/419
USB Access	Y			
RS485 Access	Y			
Remote alarm access	Y			