-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-stable Cooling System：As the most proven ultra-low temperature refrigeration technology in the world, the cascade refrigeration technology has the characteristics of stable performance, easy maintenance and long service life.
- 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.
- 7″ LCD touch screen：Easy operation and observation.
- Smart Operating System：Authorities, alarms, curve & events
- Multi-layer sealing design：Better sealing, better insulation.
- Eco-friendly：CFC-free refrigerant & insulation
- Energy saving：More efficient cooling system.

Structure

- Adjustable shelves
- PT100 sensor
- Pressure-regulated inner door handle
- Multi-layer silicone sealing gaskets
- Low temperature resistance
- File box
- Stainless steel inner door filled with PURF
- Detachable design
- USB interface/White borad
- Heavy duty castors
- Ergonomic handle, lock & keys, padlock hole
- Quick-release filter
- 7″ touch screen
- Access port
- Remote interface RS232/485

Optional

- Chart recorder
- Data logger
- CO2 back up system
- LN2 back up system
- Gloves
- Frozen racks

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 backup(for controller): 72H



FSF-86V338/FSF-86V408/FSF-86V588



FSF-86V728/FSF-86V838

Technical Parameter

Model	FSF-86V338	FSF-86V408	FSF-86V588	FSF-86V728	FSF-86V838
Cooling type	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	HC (R290&R170)				
Temp. controller	Microprocessor				
System	Cascade system				
Sensor	PT100				
Compressor brand/QTY	SECOP/2				
Capacity(L)	838	408	588	728	838
Insulation	PURF+VIP				
Inner door material/QTY	Foamed SS/2				
Racks(optional)	24*(5X5)	8*(5x4)+8*(4x4)	16*(5x5)	18*(5x4)+6*(6x4)	24*(5X5)
Boxes (2 Inches)-optional	600	288	400	504	600
Samples(2ml)--optional	60,000	28800	40000	50400	60000
Voltage	220V 50/60Hz or 110V/60Hz				
Power(W)	720	650	690	710	720
Current(A)	8.64	8.95	8.33	8.48	8.64
Power consumption	11.27KWh/24h	10.10KWh/24h	10.77KWh/24h	11.54KWh/24h	11.27KWh/24h
Noise(db)	53	50	53	53	53
Package size(W*D*H)(mm)	1275*1165*2200	960*1024*2125	972*1180*2200	1320*1015*2200	1275*1165*2200
Exterior size(W*D*H))(mm)	1179*1135*1994.5	891*992*1945.5	891*1155*1994.5	1248*975*1994.5	1179*1135*1994.5
Interior size(W*D*H))(mm)	894*718*1310	606*575*1180	606*738*1310	963*558*1350	894*718*1310
N.W/G.W(kg)	397/430	292/317	335/353	380/395.5	397/430
USB Access	Y				
Remote alarm Access	Y				
RS485 Access	Y				