FSF-5V316 2~8℃ Pharmacy Refrigerator

FSF-5V316 2~8℃ Pharmacy Refrigerator (316 liter) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down: Real forced air cooling system
- Temperature simulation box: Accurately detect the temperature of storage
- Suction circulation system: Big fans for better uniformity
- Universal castor wheels: Proven heavy-duty lockable castors
- Lockable doors: Standard locks with keys
- High-quality steel materials: Antibacterial and corrosion resistant
- Precise temp. Control: Temp. control accurate to 0.1C
- 4 types of alarm : Audible and visual alarms
- Variable space: Height adjustable shelves
- Eco-friendly: CFC-free refrigerant and energy-saving



Structure

- High-precision control system
- LED lighting
- Big Suction fan
- Temperature simulation box
- Standard Lock & key
- Lockable castors
- Leveling feet
- Heating double-layer glass
- High/low temp. Alarm
- Temperature accuracy 0.1℃
- Power failure alarm
- Door ajar alarm
- Thermostat failure alarm

Optional Accessories

- USB interface
- Data logger

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Capacity(L/cu.ft)	316/11.15	Power failure	Y
Shelf/drawer	6/1	Temp. controller	Microprocessor	Thermostat (sensor) failure	Y
Temperature range	2℃~8℃	Sensor	NTC	Door ajar	Y
Ambient temperature	10~32℃	Display	LED Digital display	Power failure alarm(For controller)	8H
Noise(db)	48	External material	SPCC sprayed steel	Remote alarm port	Y
Door Type	Heating Glass Door	Internal material	SPCC sprayed steel		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V/60Hz	Package size(W*D*H)	717*682*2035(mm)	USB Port	Optional
Power(W)	286W	Exterior size(W*D*H)	640×554×1925(mm)	Access port QTY/Dia.	1/25mm
Current(A)	1.62A	Interior size(W*D*H)	540*425*1380(mm)	Data logger	Optional
Power consumption	3.29 kWh/24h	NW/GW(kg)	101/122	RS485/232 port	Optional

FSF-5V416 2~8℃ Pharmacy Refrigerator

FSF-5V416 2~8℃ Pharmacy Refrigerator (416 liter) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down: Real forced air cooling system
- Temperature simulation box: Accurately detect the temperature of storage
- Suction circulation system: Big fans with less temp. flutuation & better uniformity
- Universal castor wheels: Proven heavy-duty lockable castors
- Lockable doors: Standard locks with keys
- High-quality steel materials: Antibacterial and corrosion resistant
- Precise temp. Control: Temp. control accurate to 0.1C
- 5 types of alarm : Audible and visual alarms
- Variable space: Height adjustable shelves
- Eco-friendly: CFC-free refrigerant and energy-saving



Structure

- High-precision control system
- LED lighting
- Big Suction fan
- Temperature simulation box
- Standard Lock & key
- Lockable castors
- Leveling feet
- Heating double-layer glass
- High/low temp. Alarm
- Power failure alarm
- Door ajar alarm
- Thermostat failure alarm

Optional Accessories

- USB interface
- Data logger

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/5	Sensor	NTC	Sensor error	Y
Temperature range	2℃～8℃	Display	LED Digital display	Door ajar	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Controller failure	Y
Noise(db)	50	Internal material	SPCC sprayed steel	Power failure alarm(For controller)	8 h
Capacity	416/14.69	Compressor	1		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V/60Hz	Package size(W*D*H)	785*552*1927(mm)	Door Type	Heated Glass door
Power(W)	330W	Exterior size(W*D*H)	685*429*1380(mm)	Remote alram pore	yes
Current(A)	1.85A	Interior size(W*D*H)	868*660*2060(mm)	USB port	Optional
Power consumption	3.98 kWh/24h	NW/GW(kg)	120/156	Access port QTY/Dia.	1/25mm

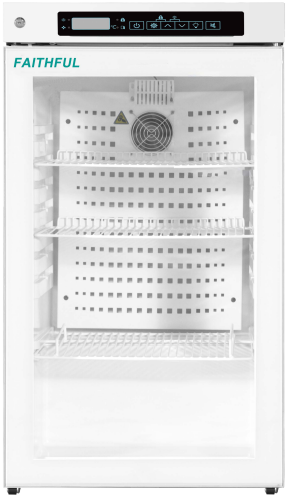
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FSF-5V100 2~8℃ Pharmacy Refrigerator

FSF-5V100 2~8℃ Pharmacy Refrigerator (100 liter) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents..

Features

- Fast pull down：Real forced air cooling system.
- Specialized temp. Sensor：High precise probe.
- Suction circulation system：Fan for better temp uniformity.
- Internal LED lighting：Easy to observe the interior.
- Lockable doors：Standard lock with keys for glass door.
- High-quality steel materials：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- High-precision sensor
- Suction fan
- LED lighting
- Low-E glass
- Adjustable shelves
- Lock & key
- Low-E double-layer glass.
- High/low temp. Alarm.
- Power failure alarm.
- Door ajar alarm.
- Thermostat failure alarm.

Optional Accessories

- USB port
- Data logger

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R600a	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/3	Sensor	NTC	Sensor error	Y
Temperature range	2℃～8℃	Display	Digital display	Controller failure	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Noise(db)	50	Internal material	HIPS	Power failure alarm (For controller)	8 hours
Door Type	Glass Door	Compressor QTY	1		
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	100/3.53		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V/60Hz	Package size(W*D*H)	580*580*940(mm)	Remote alarm port	Y
Power(W)	80	Exterior size(W*D*H)	505*510*875(mm)	USB port	Optional
Current(A)	0.8	Interior size(W*D*H)	385*356*737(mm)	Data logger	Optional
Power consumption	0.53kWh/24h	NW/GW(kg)	35/40.5		

FSF-5V60G 2~8℃ Pharmacy Refrigerator

FSF-5V60G 2~8℃ Pharmacy Refrigerator (60 liter) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes and gene libraries and important biological and chemical reagents. The product has accurate temperature control with small footprint and easy to use.

Features

- Fast pull down：Real forced air cooling system.
- Specialized temp. Sensor：High precise probe.
- Suction circulation system：Fan for better temp uniformity.
- Internal LED lighting：Easy to observe the interior.
- Lockable doors：Built-in lock with key.
- High-quality steel materials：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 4 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- Standard Lock & key
- Suction fan
- High-precision sensor
- LED lighting
- Adjustable shelves
- Low-E double-layer glass.
- High/low temp. Alarm.
- Power failure alarm.
- Door ajar alarm.
- Thermostat failure alarm.

Optional Accessories

- Data logger
- USB port
- Heating glass door

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/2	Sensor	NTC	Sensor error	Y
Temperature range	2℃～8℃	Display	LED Digital display	Controller failure	Y
Ambient temperature	10~32℃	Power consumption	0.84kWh/24h	Door ajar	Y
Noise(db)	50	Compressor QTY	1	Power failure backup for controller	8 hours
Access port QTY/Dia.	1/25mm	External & Internal material	SPCC sprayed steel		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/60Hz; 110V/60Hz	Package size(W*D*H)	560*515*850(mm)	USB interface	Optional
Power(W)	75	Capacity(L/cu.ft)	60/2.11	Remote alarm port	Y
Current(A)	0.59	Exterior size(W*D*H)	490×440×710(mm)	Heating Glass Door	Optional
Door Type	LOW-E Glass Door	Interior size(W*D*H)	410*315*560(mm)	Data logger	Optional
Lighting	LED	NW/GW(kg)	33/41		

FSF-5V226 2~8℃ Pharmacy Refrigerator

FSF-5V226 2~8℃ Pharmacy Refrigerator (226 liter) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents..

Features

- Fast pull down：Real forced air cooling system.
- Heating glass：Double layer heating glass door for fast defogging.
- Suction circulation system：Big fans with less temp. flutuation & better uniformity.
- Universal castor wheels：Proven heavy-duty lockable castors.
- Lockable doors：Standard locks with keys for glass door.
- High-quality steel materials：corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- LED lighting
- Big Suction fan
- Standard Lock & key
- Lockable castors
- Leveling feet
- Heated double-layer glass
- High/low temp. Alarm
- Power failure alarm
- Door ajar alarm
- Thermostat failure alarm

Optional Accessories

- USB interface
- Data logger

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R600a	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/4	Sensor	NTC	Sensor error	Y
Temperature range	2℃～8℃	Display	Digital display	Controller failure	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Noise(db)	50	Internal material	HIPS	Power failure backup (for controller)	8 hours
Capacity(L/cu.ft)	226/7.99	Compressor QTY	1		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/110V 60Hz	Package size (W*D*H)(mm)	710*680*1840	Door Type	Heated Glass Door
Power(W)	221W	Exterior size (W*D*H)(mm)	625×574×1707	Access port QTY/Dia.	1/25mm
Current(A)	1.4A	Interior size (W*D*H)(mm)	534*406*1150	Remote alarm port	Optional (Free)
Power consumption	2.86 kWh/24h	GW/NW(Kg)	97/73	USB Port	Optional

FSF-5V312 2~8℃ Pharmacy Refrigerator

FSF-5V312 2~8℃ Pharmacy Refrigerator (312 liter) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down：Forced air cooling system.
- Heating glass：Double layer heating glass door for fast defogging.
- Suction circulation system：Big fans for better temperature uniformity.
- Universal castor wheels：Proven heavy-duty lockable castors.
- Lockable doors：Standard lock with keys.
- High-quality materials：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- LED lighting
- Big Suction fan
- Standard Lock & key
- Lockable castors
- Leveling feet
- Adjustable shelf
- External condenser
- High/low temp. Alarm
- Power failure alarm
- Door ajar alarm
- Thermostat failure alarm

Optional Accessories

- USB port
- Data logger
- RS485/232 port

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Capacity(L/cu.ft)	312/11	Power failure	Y
Shelf/drawer	Shelves/5	Temp. controller	Microprocessor	Sensor error	Y
Temperature range	2℃～8℃	Sensor	NTC	Controller failure	Y
Ambient temperature	10~32℃	Display	Digital display	Door ajar	Y
Noise(db)	50	External material	SPCC sprayed steel	Power failure alarm(For controller)	8 hours
Door Type	Heated Glass Door	Internal material	Blister liner		
Access port QTY/Dia.	1/25mm	Compressor QTY	1		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V/60Hz	Package size(W*D*H)(mm)	720*675*2032	Remote alarm port	YES
Power(W)	312	Exterior size(W*D*H)(mm)	650*624*1902	USB port	Optional
Current(A)	1.64	Interior size(W*D*H)(mm)	560*485*1350	Data logger	Optional
Power consumption	3.3 kWh/24h	NW/GW(kg)	86/110	RS485/232 port	Optional

FSF-5V315 2~8℃ Pharmacy Refrigerator

FSF-5V315 2~8℃ Pharmacy Refrigerator (315 liter) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagent.

Features

- Fast pull down：Real forced air cooling system.
- 2 temp. simulation boxes：Accurately detect the temperature of storage.
- Suction circulation system：Big fans with less temp. flutuation & better uniformity.
- Universal castor wheels：Proven heavy-duty lockable castors.
- Lockable doors：Standard locks with 2keys.
- High-quality steel materials：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 7 types of alarm：Audible and visual alarms.
- Variable space：Adjustable shelves and basket.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- LED lighting
- Big Suction fan
- Standard Lock & key
- Temp. simulation box
- Lockable castors
- Leveling feet
- USB Interface
- Heated glass for quick deforsting
- Self closing door
- High/low temp. alarm
- Condenser fault alarm
- Backup battery failure alarm
- Thermostat failure alarm
- Door ajar alarm
- Power failure alarm
- Ambient temperature alarm

Optional Accessories

- Data logger
- Printer

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/6+ Drawer/1	Sensor	NTC	Thermostat failure(Sensor error)	Y
Temperature range	2℃～8℃	Display	Digital display	Backup battery failure	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Capacity(L/cu.ft)	315/11.15	Internal material	SPCC sprayed steel	Ambient Temperature	Y
Noise(db)	50	Insulation	PURF	Condenser fault	Y
Access port QTY/Dia.	1/25mm	Compressor QTY	1	Power failure alarm(For controller)	72H

Electrical Data		Dimensions		Other	
Voltage frequency	220V, 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	704*637*2000	Door Type	Heated Glass Door
Power(W)	294 W	Exterior size(W*D*H)(mm)	640*554*1925	USB Port	YES
Current(A)	1.71 A	Interior size(W*D*H)(mm)	540*425*1380	Remote alarm port	YES
Power consumption	3.26 kWh/24h	NW/GW(kg)	92.5/100	Data logger	Optional

FSF-5V415 2~8℃ Pharmacy Refrigerator

FSF-5V415 2~8℃ Pharmacy Refrigerator (415 liter) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down：Real forced air cooling system.
- 2 temp. simulation boxes：Accurately detect the temperature of storage.
- Suction circulation system：2 Big fans with less temp. fluctuation & better uniformity.
- Universal castor wheels：Proven heavy-duty lockable castors.
- Lockable doors：Standard locks with keys .
- High-quality steel materials：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 7 types of alarm：Audible and visual alarms.
- Variable space：Adjustable shelves and basket.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- LED lighting
- Big Suction fan
- 2 temp. simulation boxes
- Standard Lock & key
- Lockable castors
- Leveling feet
- USB Interface
- Heated glass for quick deforsting
- Self closing door
- High/low temp. Alarm
- Condenser fault alarm
- Backup battery failure alarm
- Thermostat failure alarm
- Door ajar alarm
- Power failure alarm
- Ambient Temperature alarm

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Capacity(L/cu.ft)	415/14.7	Power failure	Y
Shelf/drawer	6/1	Temp. controller	Microprocessor	Thermostat (sensor) failure	Y
Temperature range	2℃～8℃	Sensor	NTC	Door ajar	Y
Ambient temperature	10~32℃	Display	LED Digital display	Ambient Temperature	Y
Noise(db)	48	External material	SPCC sprayed steel	Condenser fault	Y
Door Type	Heating Glass Door	Internal material	SPCC sprayed steel	Power failure alarm(For controller)	72H

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/110V 60Hz	Package size(W*D*H)(mm)	880*640*2100	USB Port/Remote alarm port	Y
Power(W)	330W	Exterior size(W*D*H)(mm)	785*552*1927	Access port QTY/Dia.	1/25mm
Current(A)	1.94A	Interior size(W*D*H)(mm)	685*429*1380	Temperature data logger	Optional
Power consumption	3.98 kWh/24h	NW/GW(kg)	120/160	RS485/232 port	Optional

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FSF-5V416A 2~8℃ Pharmacy Refrigerator

FSF-5V416A 2~8℃ Pharmacy Refrigerator (416 liter) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down：Real forced air cooling system.
- Temperature simulation box：Accurately detect the temperature of storage.
- Suction circulation system：Big fans with less temp. flutuation & better uniformity.
- Universal castor wheels：Proven heavy-duty lockable castors.
- Lockable doors：Standard locks with keys.
- High-quality steel materials：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- LED lighting
- Big Suction fan
- Temperature simulation box
- Standard Lock & key
- Lockable castors
- Leveling feet
- Solid door
- High/low temp. alarm
- Power failure alarm
- Door ajar alarm
- Thermostat failure alarm

Optional Accessories

- USB interface
- Data logger
- RS232/485 port

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/5	Sensor	NTC	Sensor error	Y
Temperature range	2℃～8℃	Display	Digital display	Controller failure	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Noise(db)	50	Internal material	SPCC sprayed steel	Power failure alarm(For controller)	8 hours
Door Type	Solid Door	Compressor QTY	1		
Access port QTY/Dia.	1/25mm	Capacity (L/cu.ft)	416/144.69		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)	868*660*2060(mm)	Remote alarm port	Y
Power(W)	273W	Exterior size(W*D*H)	785*552*1927(mm)	USB port	Optional
Current(A)	1.65A	Interior size(W*D*H)	685*429*1380(mm)	Data logger	Optional
Power consumption	2.26kWh/24h	NW/GW(kg)	120/144Kg	RS232/485 port	Optional

FSF-5V416EX 2~8℃ Pharmacy Refrigerator

FSF-5V416EX Explosion-Proof Refrigerator (416 liter), Ideal for not only storing volatile and / or flammable materials, but also are suitable for environments where there may be vapors of these materials in the ambient air.

Features



- Fast pull down：Real forced air cooling system.
- Temperature simulation box：Accurately detect the temperature of storage.
- Suction circulation system：Big fans with less temp. flutuation & better uniformity.
- Universal castor wheels：Proven heavy-duty lockable castors.
- Lockable doors：Standard locks with keys.
- High-quality steel materials：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.

Structure

- All electrical components are explosionproof
- Explosion-Proof Socket Design.
- The built-in PT100 sensor
- Big suction fan
- Glycerine box
- Explosion-proof socket
- Caster & leveling feet
- Three explosion-proof methods are used: flameproof type, intrinsic safety type, and encapsulated type.
- The stainless steel interior material is corrosion-resistant and easy to clean.
- The forced- air circulation system and internal air duct circulation ensure more uniform temperature.

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling System	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Low temperature	Y
Shelf/drawer	Shelves/5	Sensor	NTC	Power failure	Y
Temperature range	2℃～8℃	Display	Digital display	Thermostat failure	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Noise(db)	50	Internal material	Stainless Steel	Power failure alarm(For controller)	8 hours
Capacity(L/cu.ft)	416/14.69	Compressor QTY	1		

Electrical Data		Dimensions		Other	
Voltage frequency	220V/50Hz	Exterior size(W*D*H)	785*552*1927mm	Door Type	Foamed Door
Power(W)	406W	Interior size(W*D*H)	685*429*1380mm	Remote alarm port	YES
Current(A)	/	Package size(W*D*H)	870*665*2040mm	USB port	Optional
Power consumption	2.26kWh/24h	NW/GW(kg)	130/150	Access port QTY/Dia.	1/25mm

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FSF-5V656 2~8℃ Pharmacy Refrigerator

FSF-5V656 2~8℃ Pharmacy Refrigerator (656 liters) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down：Real forced air cooling system.
- Super large space：656-liter (23.16 cu.ft) space, more storage space.
- Suction circulation system：Big fans for better temp uniformity.
- Universal castor wheels：Castors with brake & leveling feet.
- Lockable doors：2 Standard locks with keys for 2 doors.
- High quality steel material：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system.
- 2 Large suction fans.
- Internal LED tube.
- Lockable castors.
- Leveling feet.
- Self closing doors heating glass
- Fast defogging
- Sensor box.
- Lock & keys.
- High/low temp. alarm.
- Power failure alarm.
- Thermostat failure alarm.
- Door ajar alarm.

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/10	Sensor	NTC	Controller failure	Y
Temperature range	2℃～8℃	Display	Digital display	Door ajar	Y
Ambient temperature	10~32℃	External material	Sprayed steel	Power failure alarm(For controller)	8 hours
Noise(db)	52	Internal material	Sprayed steel		
Access port QTY/Dia.	1/25mm	Compressor QTY	1		

Electrical Data		Dimensions		Other	
Voltage frequency	220V,50Hz/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	1280*670*1950	Door Type	Heated Glass Door
Power(W)	403W	Capacity(L/cu.ft)	656/23.16	Remote alarm port	Y
Current(A)	2.39A	Exterior size(W*D*H)(mm)	1220*630*1885	USB port	Optional
Power consumption	5.8kWh/24h	Interior size(W*D*H)(mm)	1100*454*1325	Data logger	Optional
		NW/GW(kg)	166/196.5	Chart Recorder	Optional

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FSF-5V730S 2~8℃ Pharmacy Refrigerator

FSF-5V730S 2~8℃ Pharmacy Refrigerator (730 liters) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down：Real forced air cooling system.
- Super large space：730liter (25.79 cu.ft) space, more storage space.
- Suction circulation system：Big fans for better temp uniformity.
- Universal castor wheels：Castors with brake & leveling feet.
- Lockable doors：2 Standard locks with keys for 2 doors.
- High quality steel material：Inner stainless steel.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system.
- 2 Large suction fans.
- Internal LED tube.
- Lockable castors.
- Leveling feet.
- USB Port Lock & keys
- Sensor box
- Self closing door heating glass
- Fast defogging
- Heated glass doors.
- High/low temp. alarm.
- Power failure alarm.
- Thermostat failure alarm.
- Door ajar alarm.

Optional Accessories

- Data logger
- RS232/485 port

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/10	Sensor	NTC	Sensor error	Y
Temperature range	2℃～8℃	Display	Digital display	Door ajar	Y
Ambient temperature	10~32℃	Inner material	Stainless steel	Power failure alarm(For controller)	48 hours
Access port QTY/Dia.	1/25mm	External material	PCM		
Noise(db)	53	Compressor QTY	1		
Door Type	Heated Glass Door	Capacity(L/cu.ft)	730/25.79		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V/60Hz	Package size(W*D*H)	1280*705*1980(mm)	USB port	YES
Power(W)	450W	Exterior size(W*D*H)	1229*650*1895(mm)	Remote alarm port	YES
Current(A)	2.15A	Interior size(W*D*H)	1129*505*1370(mm)	Data logger	Optional
Power consumption	8.41 kWh/24h	NW/GW(kg)	150/185	RS232/485 port	Optional

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FSF-5V1000S 2~8℃ Pharmacy Refrigerator

FSF-5V1000S 2~8℃ Pharmacy Refrigerator (1000 liters) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down：Real forced air cooling system.
- Super large space：1000liter (35.5 cu.ft) space, more storage space.
- Suction circulation system：Big fans for better temp uniformity.
- Universal castor wheels：Castors with brake & leveling feet.
- Lockable doors：2 Standard locks with keys for 2 doors.
- High quality steel material：Inner stainless steel.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system.
- 2 Large suction fans.
- Internal LED tube.
- Heated Glass Doors
- Lockable castors
- Leveling feet
- Lock & keys
- Self closing doors heating glass
- Fast defogging
- High/low temp. alarm
- Power failure alarm
- Thermostat failure alarm
- Door ajar alarm
- Sensor box

Optional Accessories

- Data logger

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/10	Sensor	NTC	Sensor error	Y
Temperature range	2℃～8℃	Display	Digital display	Door ajar	Y
Ambient temperature	10~32℃	Inner material	Sstainless steel	Power failure alarm(For controller)	48 hours
Access port QTY/Dia.	1/25mm	External material	PCM		
Noise(db)	53	Compressor QTY	1		
Door Type	Heated Glass Door	Capacity(L/cu.ft)	1000/35.4		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V 60Hz	Package size(W*D*H)	1285*900*1960(mm)	USB port	YES
Power(W)	545W	Exterior size(W*D*H)	1229*882*1895(mm)	Remote alarm port	YES
Current(A)	2.15A	Interior size(W*D*H)	1129*690*1370(mm)	Data logger	Optional
Power consumption	8.76 kWh/24h	NW/GW(kg)	160/195	RS232/485 port	Optional

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FSF-5V1006 2~8℃ Pharmacy Refrigerator

FSF-5V1006 2~8℃ Pharmacy Refrigerator (1006 liters) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down：Real forced air cooling system.
- Super large space：1006-liter (35.5 cu.ft) space, more storage space.
- Suction circulation system：Big fans for better temp uniformity.
- Universal castor wheels：Castors with brake & leveling feet.
- Lockable doors：2 Standard locks with keys for 2 doors.
- High quality steel material：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- Sensor box
- Lock & keys
- High/low temp. alarm
- Power failure alarm
- Thermostat failure alarm
- Door ajar alarm
- High-precision control system.
- 2 Large suction fans.
- Internal LED tube.
- Lockable castors
- Leveling feet
- Self closing doors heating glass
- Fast defogging

Optional Accessories

- Data logger
- USB interface
- Chart Recorder

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/10	Sensor	NTC	Sensor error	Y
Temperature range	2℃～8℃	Display	Digital display	Controller failure	Y
Ambient temperature	10~32℃	External material	Sprayed steel	Door ajar	Y
Noise(db)	53	Internal material	Sprayed steel	Power failure alarm(For controller)	8 hours
Access port QTY/Dia.	1/25mm	Compressor QTY	1		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz;110V/60Hz	Package size(W*D*H)(mm)	1280*905*1940	Door Type	Heated Glass Door
Power(W)	400W	Capacity(L/cu.ft)	1006/35.5	Remote alarm port	YES
Current(A)	2.15A	Exterior size(W*D*H)(mm)	1220*860*1885	USB port	Optional
Power consumption	5.62 kWh/24h	Interior size(W*D*H)(mm)	1100*684*1325	Data logger	Optional
		NW/GW(kg)	189/215.5	Chart Recorder	Optional

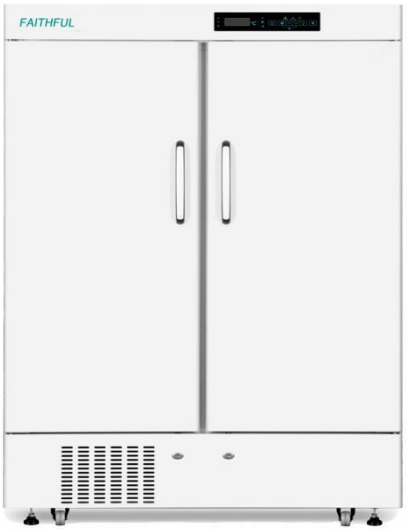
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FSF-5V1006A 2~8℃ Pharmacy Refrigerator

FSF-5V1006A 2~8℃ Pharmacy Refrigerator (1006 liters,solid door) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down：Real forced air cooling system.
- Super large space：1006-liter (35.5 cu.ft) space, more storage space.
- Suction circulation system：Big fans for better temp uniformity.
- Universal castor wheels：Castors with brake & leveling feet.
- Lockable doors：2 Standard locks with keys for 2 doors.
- High quality steel material：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system.
- 2 Large suction fans.
- Internal LED tube.
- Lockable castors
- Leveling feet
- Solid door
- Sensor box
- Lock & keys
- High/low temp. Alarm
- Power failure alarm
- Thermostat failure alarm
- Door ajar alarm

Optional Accessories

- Data logger
- USB interface

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/10	Sensor	NTC	Sensor error	Y
Temperature range	2℃～8℃	Display	Digital display	Controller failure	Y
Ambient temperature	10~32℃	External material	Sprayed steel	Door ajar	Y
Noise(db)	53	Internal material	Sprayed steel	Power failure alarm(For controller)	8 hours
Door type	Solid Door	Compressor QTY	1		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)	1280*900*1950(mm)	Remote alarm port	Y
Power(W)	319W	Exterior size(W*D*H)	1220*865*1885(mm)	USB port	Optional
Current(A)	1.89A	Interior size(W*D*H)	1100*684*1325(mm)	Data logger	Optional
Power consumption	2.71 kWh/24h	NW/GW(kg)	178/200Kg	RS232/485 port	Optional
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	1006/35.5		

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FSF-5V1500 2~8℃ Pharmacy Refrigerator

FSF-5V1500 2~8℃ Pharmacy Refrigerator (1500 liters) is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down：Real forced air cooling system.
- Super large space：1500-liter (53 cu.ft) space, More storage space.
- Suction circulation system：Big fans with less temp. flutuation & better uniformity
- Universal castor wheels：5 proven heavy-duty castors
- Lockable doors：3 Standard locks with keys for 3 doors
- Stainless steel：Internal & external both high quality.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- 3 Large fans
- Internal LED tube
- Lockable castors
- Lock & Keys
- Imported brand compressor
- High/low temp. Alarm
- Power failure alarm
- Thermostat failure alarm
- Door ajar alarm

Optional Accessories

- Data logger
- USB interface
- Chart recorder

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R134a	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/12	Sensor	NTC	Sensor error	Y
Temperature range	2℃～8℃	Display	Digital display	Controller failure	Y
Ambient temperature	10~32℃	External material	Stainless steel	Door ajar	Y
Noise(db)	55	Internal material	Stainless steel	Power failure backup(for controller)	8 hours
Capacity(L/cu.ft)	1500/53	Compressor brand/QTY	Secop/1		

Electrical Data		Dimensions		Other	
Voltage frequency	220V, 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	1890*815*2175	Remote alarm port	YES
Power(W)	1065W	Exterior size(W*D*H)(mm)	1800*775*1965	USB Port	Optional
Current(A)	5.64A	Interior size(W*D*H)(mm)	1680*595*1312	Access port QTY/Dia.	Optional
Power consumption	11.6 kWh/24h	NW/GW(kg)	245/317	Data logger	Optional

FSF-5H200 2~8℃ Pharmacy Refrigerator

FSF-5H200 2~8℃ Ice Lined Refrigerator is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage such as drugs, vaccines, biological and chemical reagents..

Features

- Fast pull down：Real forced air cooling system combined with directly cooling system.
- Universal castor wheels：Proven heavy-duty lockable castors.
- Lockable Handle：Lock integrated on the handle.
- Long Hold Over time：hold over 63 hours at 43℃,87 hours at 32℃,95 hours at 25℃.
- High-quality steel materials：Anticorrosion resistant inner and outer cabinet.
- Wide Ambient Temp Range：From 5℃～43℃.
- 3 Types of alarm：Audible and visual alarms
- Variable Space：3 Adjustable Baskets.
- Eco-friendly: CFC-free refrigerant and energy-saving



Structure

- Standard 3 baskets for better space usage
- 2 Steps of door frame for better cold protection
- Water Pipe design ,Safe and reliable
- High-density foam insulation for longer hold over time.
- Backup Battery Switch for longer shlef life.
- High-precision control system.
- Integrated Lock with Handle
- Castors with brakes
- Temperature accuracy 0.1℃
- Power failure alarm
- Sensor failure alarm
- Temp high /low alarm

Technical Parameter

Performance		Refrigeration System & Control System			
Cooling method	Direct Cooling &Air Forced Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Compressor QTY	1	Power failure	Y
Baskets	3	Voltage frequency(V/Hz)	220V/ 50Hz	Sensor error	Y
Temperature range	2℃～8℃	Power（W)	324W(32℃）	Power failure backup	72 hours
Ambient temperature	5~43℃	Current（A)	1.9A(32℃）	Display	Digital display
Noise（db)	50	Power Consumption	0.87Kwh·24h(32℃） Stable Running	Temp. controller	Microprocessor

Capacities & Dementions				Other	
Gross volume	208L	Effective volume outside the frame	75L	43°C Hold over time	65h-Empty Load
Gross volume (outside load line)	196L	Efficient storage capacity of off-grid vaccines	72L	32°C Hold over time	87h-Empty Load
Vaccine storage capacity (without mesh frame)	174L	Internal dimensions(W*D*H)(mm)	898*418*647	25°C Hold over time	95h-Empty Load
The effective volume of the screen frame	29.6L	External Dimensions(W*D*H)(mm)	1210*830*941mm	Iternal material	Sprayed steel
Effective storage capacity of the mesh frame vaccine	26.2L/PCS	Package size(W*D*H)(mm)	1295*842*1070mm	External material	Sprayed steel
		Foam layer thickness	100mm （110mm on the door）	Sensor	NTC

FSF-86V338 -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

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	HC (R290&R170)	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-40℃～-86℃	System	Cascade system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7'' LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF	Filter screen check	Y
USB Access	Y	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
Remote alarm Access	Y	Racks	12(4X4)	Low battery	Y
RS 485 Access	Y	Boxes (2 Inches)	192	Condenser clean	Y
Outside material	Color sprayed steel	Samples(2ml)	19,200	High ambient temperature	Y
Inside material	Stainless steel			Power failure backup(for controller)	72h
Castor	Universal				

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V/60Hz	Package size(W*D*H)(mm)	950*1084*2080	Chart recorder	Optional
Power(W)	620W	Exterior size(W*D*H)(mm)	854×1072×1907	Data logger	Optional
Current(A)	7.93A	Interior size(W*D*H)(mm)	488*607*1140	CO2 back up system	Optional
Power consumption	9.27KWh/24h	Capacity(L/cu.ft)	338/11.93	LN2 back up system	Optional
Noise(db)	50	N.W/G.W(kg)	296/308.5	Gloves	Optional

FSF-86V408 -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
- Quick-release filter
- 7′′ touch screen
- Access port
- Remote interface

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	HC (R290&R170)	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-40℃～-86℃	System	Cascade system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7" LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF	Filter screen check	Y
USB Access	Y	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
Remote alarm Access	Y	Racks	8*(5X4)+8*(4X4)	Low battery	Y
Outside material	Color sprayed steel	Boxes (2 Inches)	288	Condenser clean	Y
Inside material	Stainless steel	Samples(2ml)	28,800	High ambient temperature	Y
Castor	Universal			Power failure backup(for controller)	72h
RS485 Access	Y				

Electrical Data		Dimensions		Other	
Voltage	220V 50Hz/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	960*1024*2125	Chart recorder	Optional
Power(W)	650W	Exterior size(W*D*H)(mm)	891*992*1945.5	Data logger	Optional
Current(A)	8.95A	Interior size(W*D*H)(mm)	606*575*1180	Frozen racks	Optional
Power consumption	10.10KWh/24h	Capacity(L/cu.ft)	408/14.40	LN2 back up system	Optional
Noise(db)	50	N.W/G.W(kg)	292/317	Gloves	Optional

FSF-86V588 -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
- Quick-release filter
- 7′′ touch screen
- Access port
- Remote interface

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	HC (R290&R170)	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-40℃～-86℃	System	Cascade system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7'' LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	VIP+PURF	Filter screen check	Y
USB Access	Y	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
Remote alarm Access	Y	Racks	16*(5X5)	Low battery	Y
Outside material	Color sprayed steel	Boxes (2 Inches)	400	Condenser clean	Y
Inside material	stainless steel	Samples(2ml)	40,000	High ambient temperature	Y
Castor	Universal			Power failure backup(for controller)	72h
RS485 Access	Y				

Electrical Data		Dimensions		Other	
Voltage	220V 50/60Hz ; 110V/60Hz	Package size(W*D*H)(mm)	972*1180*2200	Chart recorder	Optional
Power(W)	690W	Exterior size(W*D*H)(mm)	891×1155×1994.5	Data logger	Optional
Current(A)	8.33A	Interior size(W*D*H)(mm)	606*738*1310	CO2 back up system	Optional
Power consumption	10.77KWh/24h	Capacity(L/cu.ft)	588/20.76	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	335/353	Gloves	Optional

FSF-86V728 -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
- SS inner door filled with PURF
- Detachable design
- File box
- USB interface/White borad
- Heavy duty castors
- Ergonomic handle
- Quick-release filter
- 7′′ touch screen
- Access port
- Remote interface

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling type	Direct Cooling	Refrigerant	HC (R290&R170)	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-40℃～-86℃	System	Cascade system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7'' LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF+VIP	Filter screen check	Y
USB Access	Y	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
Remote alarm Access	Y	Racks	18(5x4)+6(6x4)	Low battery	Y
RS485 Access	Y	Boxes (2 Inches)	504	Condenser clean	Y
Outside material	Color sprayed steel	Samples(2ml)	50,400	High ambient temperature	Y
Inside material	Stainless steel			Power failure backup(for controller)	72h
Castor	Universal				

Electrical Data		Dimensions		Other	
Voltage	220V 50Hz/60Hz, 110V/60Hz	Package size(W*D*H)(mm)	1320*1015*2200	Chart recorder	Optional
Power(W)	710W	Exterior size(W*D*H)(mm)	1248*975*1994.5	Data logger	Optional
Current(A)	8.48A	Interior size(W*D*H)(mm)	963*558*1350	CO2 back up system	Optional
Power consumption	11.54kWh/24h	Capacity(L/cu.ft)	728/25.70	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	380/395.5	Gloves	Optional

FSF-86V838 -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
- SS inner door filled with PURF
- Detachable design
- File box
- USB interface/White borad
- Heavy duty castors
- Ergonomic handle
- Quick-release filter
- 7′′ touch screen
- Access port
- Remote interface

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling type	Direct Cooling	Refrigerant	HC (R290&R170)	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-40℃～-86℃	System	Cascade system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7'' LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF+VIP	Filter screen check	Y
USB Access	Y	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
Remote alarm Access	Y	Racks(optional)	24(5X5)	Low battery	Y
RS485 Access	Y	Boxes (2 Inches)-optional	600	Condenser clean	Y
Outside material	Color sprayed steel	Samples(2ml)--optional	60,000	High ambient temperature	Y
Inside material	stainless steel			Power failure backup(for controller)	72h
Castor	Universal				

Electrical Data		Dimensions		Other	
Voltage	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	1275*1165*2200	Chart recorder	Optional
Power(W)	720W	Exterior size(W*D*H)(mm)	1179*1135*1994.5	Data logger	Optional
Current(A)	8.64A	Interior size(W*D*H)(mm)	894*718*1310	CO2 back up system	Optional
Power consumption	11.27KWh/24h	Capacity(L/cu.ft)	838/29.59	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	397/430	Gloves	Optional

FSF-86V58 -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: 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 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 probe
- Access port
- Pressure-regulated inner door handle
- Multi-layer silicone sealing gaskets
- Low temperature resistance
- Detachable inner doors

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	SECOP/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 stainless steel/1	Thermostat failure	Y
Outside material	Power coated steel	Racks	2(6X3)	Low battery	Y
Inside material	Stainless steel	Boxes (2 Inches)	36	Condenser clean	Y
Castor	Y/4 4Universal	Samples(2ml)	3,600	High ambient temperature	Y
Inside door	1	Refrigerant Weight(g)	200	Power failure backup (controller)	72h
Shelf/drawer QTY	Stainless steel shelf/1			Remote alarm port	Y

Electrical Data		Dimensions		Other	
Voltage	220V 50Hz/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	733*846*1415	Chart recorder	Optional
Power(W)	442W	Exterior size(W*D*H)(mm)	635*757*1212	Data logger	Optional
Current(A)	3.18A	Interior size(W*D*H)(mm)	330*453*410	CO2 back up system	Optional
Power consumption	6.09Wh/24h	Capacity(L/cu.ft)	58L/2	LN2 back up system	Optional
Noise(db)	50	NW./GW.（kg)	112/149	Gloves	Optional
				RS485 port	Optional

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

FSF-86V340E -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：The powerful cooling system drives the unique mixed refrigeration system for fast cooling down. This system is stable, 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.
- 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.
- Energy saving：More efficient cooling system.
- Eco-friendly：CFC-free refrigerant & insulation.

Structure

- 7" touch screen
- Vaccum release port
- USB data logger
- Quick-release filter
- Adjustable shelf
- Remote interface：RS232/485
- File Box
- PT100 sensor
- Pressure-regulated inner door handle
- Multi-layer silicone sealing gaskets
- Low temperature resistance
- Stainless steel inner door filled with PURF
- Detachable design
- Ergonomic Handle
- Access port

Technical Parameter

Performance		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°C～-86°C	System	Auto-cascade	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7" LCD touch display	Compressor brand/QTY	SECOP/1	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF+VIP	Filter screen check	Y
USB Intereface	Yes/1	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
Outside material	Power coated steel	Racks	12(4X4)	Low battery	Y
Inside material	Stainless steel	Boxes (2 Inches)	192	Condenser clean	Y
Castor	Y/4 4Universal	Samples(2ml)	19,200	High ambient temperature	Y
Shelf/drawer QTY	Stainless steel shelf/3	Refrigerant Weight(g)	340	Power failure backup (controller)	72h
Inside door	2			Remote alarm port	Y

Electrical Data		Dimensions		Other	
Voltage	220V 50Hz/60Hz	Package size(W*D*H)(mm)	955*1085*2080	Chart recorder	Optional
Power(W)	810W	Exterior size(W*D*H)(mm)	854*1006*1907	Data logger	Optional
Current(A)	5.13A	Interior size(W*D*H)(mm)	488*607*1140	CO2 back up system	Optional
Power consumption	11.63KWh/24h	Capacity(L/cu.ft)	340/12	LN2 back up system	Optional
Noise(db)	52	NW./GW.（kg)	224.5/297.5	Gloves	Optional
				RS485 port	Optional

FSF-86V408E -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：The powerful cooling system drives the unique mixed refrigeration system for fast cooling down. This system is stable, 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.
- 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.
- Energy saving：More efficient cooling system.
- Eco-friendly：CFC-free refrigerant & insulation

Structure

- 7'' touch screen
- Vaccum release port
- USB data logger
- Quick-release filter
- Adjustable shelf
- Remote interface：RS232/485
- File Box
- PT100 sensor
- Pressure-regulated inner door handle
- Multi-layer silicone sealing gaskets
- Low temperature resistance
- Stainless steel inner door filled with PURF
- Detachable design
- Ergonomic handle

Technical Parameter

Performance		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°C～-86°C	System	Auto-cascade	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7" LCD touch display	Compressor brand/QTY	SECOP/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 SS/2	Thermostat failure	Y
Outside material	Power coated steel	Racks	16(5X5,4X4)	Low battery	Y
Inside material	stainless steel	Boxes (2 Inches)	288	Condenser clean	Y
Castor	Y/4 4Universal	Samples(2ml)	28800	High ambient temperature	Y
Shelf/drawer QTY	Stainless steel shelf/3	Refrigerant Weight(g)	350	Power failure backup (alarm)	72h
Inside door	2(4 inner door optional)			Remote Remote alarm	Y

Electrical Data		Dimensions		Other	
Voltage	220V 50/60Hz or 110V/60Hz	Package size(W*D*H)(mm)	963*1025*2125	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	10.92KWh/24h	Capacity(L/cu.ft)	408/14.40	LN2 back up system	Optional
Noise(db)	50	NW./GW.（kg)	235/298	Gloves	Optional
		20GP/40GP/40HQ	12/24/24	RS485 port	Optional(Free)

FSF-86V588E -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：The powerful cooling system drives the unique mixed refrigeration system for fast cooling down. This system is stable, energy saving and easy maintenance.
- Advanced thermal insulation：The ULTs 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.
- 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.
- Energy saving：More efficient cooling system.
- Eco-friendly：CFC-free refrigerant & insulation

Structure

- 7” touch screen
- Vaccum release port
- USB data logger
- Quick-release filter
- Adjustable shelf
- Remote interface：RS232/485
- File Box
- PT100 sensor
- Pressure-regulated inner door handle
- Multi-layer silicone sealing gaskets
- Low temperature resistance
- Stainless steel inner door filled with PURF
- Detachable design
- Ergonomic handle

Technical Parameter

Performance		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°C～-86°C	System	Auto-Cascade Cooling	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7inch LCD touch display	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF+VIP	Filter screen check	Y
USB Intereface	Yes/1	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
Outside material	Color sprayed steel	Racks	16(5X5)	Low battery	Y
Inside material	Stainless steel	Boxes (2 Inches)	400	Condenser clean	Y
Castor	Universal	Samples(2ml)	40000	High ambient temperature	Y
Inside door	2(4 inner door optional)	Refrigerant Weight(g)	320	Power failure backup (controller)	72h
Shelf/drawer QTY	Stainless steel shelf/3			Remote alarm port	Y

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V/60Hz	Package size(W*D*H)(mm)	970*1185*2200	Chart recorder	Optional
Power(W)	1500W	Exterior size(W*D*H)(mm)	891×1155×1994.5	Data logger	Optional
Current(A)	10.35A	Interior size(W*D*H)(mm)	606*738*1310	CO2 back up system	/
Power consumption	16.02KWh/24h	Capacity(L/cu.ft)	588/20.76	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	283/345	Gloves	Optional
				RS485 port	Optional

FSF-86V728E -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：The powerful cooling system drives the unique mixed refrigeration system for fast cooling down. This system is stable, energy saving and easy maintenance.
- Advanced thermal insulation：The ULTs 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.
- 7" LCD touch screen: Easy operation and observation
- Smart Operating System：Authorities, alarms, curve & events.
- Advanced insulation：Fumed Silicon V.I.P & PURF.
- Multi-layer sealing design：Foamed inner doors with silicon gaskets.
- Energy saving：More efficient cooling system.
- Eco-friendly：CFC-free refrigerant & insulation

Structure

- 7'' touch screen
- Vaccum release port
- USB data logger
- Quick-release filter
- Adjustable shelf
- Remote interface：RS232/485
- File Box
- PT100 sensor
- Pressure-regulated inner door handle
- Multi-layer silicone sealing gaskets
- Low temperature resistance
- Stainless steel inner door filled with PURF
- Detachable design
- Ergonomic handle

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°C～-86°C	System	Auto-Cascade Cooling System	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7 inch LCD touch display	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF+VIP	Filter screen check	Y
USB Intereface	Yes/1	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
Remote alarm Access	Y	Racks	18(5x4)+6(6x4)	Low battery	Y
RS485 Access	Y	Boxes (2 Inches)	504	Condenser clean	Y
Outside material	Color sprayed steel	Samples(2ml)	50,400	High ambient temperature	Y
Inside material	stainless steel			Power failure backup (controller)	72h
Castor	4 Universal casters				

Electrical Data		Dimensions		Other	
Voltage	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	1320*1010*2200	Chart recorder	Optional
Power(W)	1400W	Exterior size(W*D*H)(mm)	1248×975×1994.5	Data logger	Optional
Current(A)	10.37A	Interior size(W*D*H)(mm)	963*571*1350	CO2 back up system	Optional
Power consumption	23.44KWh/24h	Capacity(L/cu.ft)	728/25.7	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	316/399.5	Gloves	Optional

FSF-86V838E -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：The powerful cooling system drives the unique mixed refrigeration system for fast cooling down. This system is stable, energy saving and easy maintenance.
- Advanced thermal insulation：The ULTs 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.
- 7" LCD touch screen: Easy operation and observation
- Smart Operating System：Authorities, alarms, curve & events.
- Advanced insulation：Fumed Silicon V.I.P & PURF.
- Multi-layer sealing design：Foamed inner doors with silicon gaskets.
- Energy saving：More efficient cooling system.
- Eco-friendly：CFC-free refrigerant & insulation

Structure

- 7'' touch screen
- Vaccum release port
- USB data logger
- Quick-release filter
- Adjustable shelf
- Remote interface：RS232/485
- File Box
- PT100 sensor
- Pressure-regulated inner door handle
- Multi-layer silicone sealing gaskets
- Low temperature resistance
- Stainless steel inner door filled with PURF
- Detachable design
- Ergonomic handle

Technical Parameter

Performance		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°C～-86°C	System	Auto-cascade	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7" LCD touch display	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF+VIP	Filter screen check	Y
USB Intereface	Yes/1	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
Outside material	Power coated steel	Racks	24(5X5)	Low battery	Y
Inside material	stainless steel	Boxes (2 Inches)	600	Condenser clean	Y
Castor	Y/4 4 Universal	Samples(2ml)	60,000	High ambient temperature	Y
Shelf/drawer QTY	Stainless steel shelf/3	Refrigerant Weight(g)	400	Power failure backup (controller)	72h
Inside door	2(4 inner door optional)			Remote alarm Access	Y

Electrical Data		Dimensions		Other	
Voltage	220V 50Hz/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	1263*1165*2210	Chart recorder	Optional
Power(W)	1700W	Exterior size(W*D*H)(mm)	1179×1135×1994.5	Data logger	Optional
Current(A)	10.75A	Interior size(W*D*H)(mm)	894*718*1310	CO2 back up system	Optional
Power consumption	19.27KWh/24h	Capacity(L/cu.ft)	838/29.59	LN2 back up system	Optional
Noise(db)	55	NW./GW.（kg)	332/418.5	Gloves	Optional
		20GP/40GP/40HQ	8/18/18	RS485 port	Optional

FSF-86V408D -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

- 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

Technical Parameter

Performace		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	Dual cooling system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7" LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF	Filter screen check	Y
USB Access	Y/1	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
RS485 Access	Y	Racks	8(5X4)+8(4*4)	Low battery	Y
Remote alarm access	Y	Boxes (2 Inches)	288	Condenser clean	Y
Outside material	Color sprayed steel	Samples(2ml)	28,800	High ambient temperature	Y
Inside material	Stainless steel			Power failure alarm(For controller)	72h
Castor	Universal				

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz;110V/60Hz	Package size(W*D*H)(mm)	965*1025*2125	Chart recorder	Optional
Power(W)	1350W	Exterior size(W*D*H)(mm)	891*992*1945.5	Data logger	Optional
Current(A)	11A	Interior size(W*D*H)(mm)	606*575*1180	CO2 back up system	Optional
Power consumption	12.3kWh/24h	Capacity(L/cu.ft)	408/14.40	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	235.5/315	Gloves	Optional

Faithful
Instrument (Hebei) Co.,Ltd

FAITHFUL

FSF-86V588D -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

- 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

Technical Parameter

Performace		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	Dual system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7'' LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF+VIP	Filter screen check	Y
USB Access	Y/1	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
RS485 Access	Y	Racks	16(5X5)	Low battery	Y
Remote alarm access	Y	Boxes (2 Inches)	400	Condenser clean	Y
Outside material	Color sprayed steel	Samples(2ml)	40,000	High ambient temperature	Y
Inside material	Stainless steel			Power failure alarm(For controller)	72h
Castor	Universal				

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V/60Hz	Package size(W*D*H)(mm)	970*1180*2200	Chart recorder	Optional
Power(W)	1500W	Exterior size(W*D*H)(mm)	891×1155×1994.5	Data logger	Optional
Current(A)	10.47A	Interior size(W*D*H)(mm)	606*738*1310	CO2 back up system	Optional
Power consumption	16.1 kWh/24h	Capacity(L/cu.ft)	588/20.76	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	283/358.5	Gloves	Optional

FSF-86V600L -86℃ Smart ULT Freezer

-86℃ ULT freezer is specially designed and manufactured for long term storage of various biological products, including viruses, germs, erythrocytes, leucocyte and cutis with bio-bank management system. 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

- Smart management system
- 13"HD LCD touch screen
- Dual cooling technology
- Bio-bank management System
- Advanced insulation tech
- Multi-layer sealing design
- Eco-friendly：CFC-free refrigerant & insulation
- Energy saving：More efficient dual cooling system



Structure

- Adjustable shelves
- PT100 sensor
- Pressure-regulated inner door handle
- Multi-layer silicone sealing gaskets
- Ergonmic handle
- Quick release filter
- Stainless steel inner door filled with PURF
- 2nd temperature light
- Scanner
- USB port/5V USB port
- Heavy duty castors
- Access port
- Remote interface: RS232/485

Technical Parameter

Performace		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R4001	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-40℃～-86℃	System	Dual system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	13'' LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF	Filter screen check	Y
USB port	Y	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
Remote alarm Access	RS232/485	Racks	16(5X5)	Low battery	Y
Outside material	Power coated steel	Boxes (2 Inches)	400	Condenser clean	Y
Inside material	Stainless steel	Samples(2ml)	40,000	High ambient temperature	Y
Castor	Y/4 4 Universal	Test hole QTY/diameter	2/25MM	Power failure backup (alarm)	72h
Stainless steel shelf/3	Stainless steel shelf/3	Refrigerant Weight(g)	320	Remote alarm port	Y
Inside door	2(4 inner door optional)				

Electrical Data		Dimensions		Other	
Voltage frequency(V/Hz)	220V 50Hz/60Hz	Package size(W*D*H)(mm)	973*1182*2200	Chart recorder	Optional
Power(W)	1500W	Exterior size(W*D*H)(mm)	891*1130*1994.5	Data logger	Optional
Current(A)	10.47A	Interior size(W*D*H)(mm)	606*738*1310	CO2 back up system	Optional
Power consumption	16.6kWh/24h	Capacity(L/cu.ft)	600/21.19	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	315/359	Gloves	Optional
				RS485 port	Optional

FSF-86V728D -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

- 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

Technical Parameter

Performace		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	Dual system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7" LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF+VIP	Filter screen check	Y
USB Access	Y/1	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
RS485 Access	Y	Racks	18(5x4)+6(6x4)	Low battery	Y
Remote alarm access	Y	Boxes (2 Inches)	504	Condenser clean	Y
Outside material	Color sprayed steel	Samples(2ml)	50,400	High ambient temperature	Y
Inside material	Stainless steel			Power failure alarm(For controller)	72h
Castor	Universal				

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz ;110V/60Hz	Package size(W*D*H)(mm)	1330*1015*2210	Chart recorder	Optional
Power(W)	1400W	Exterior size(W*D*H)(mm)	1248*975*1994.5	Data logger	Optional
Current(A)	10.37A	Interior size(W*D*H)(mm)	963*558*1350	CO2 back up system	Optional
Power consumption	18.1kWh/24h	Capacity(L/cu.ft)	728/25.70	LN2 back up system	Optional
Noise(db)	55	N.W/G.W(kg)	316/392	Gloves	Optional

FSF-86V838D -86℃ Ultra Low Temperature Freezer

-86℃ 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

Technical Parameter

Performace		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	Dual system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PT100	Sensor error	Y
Display	7'' LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF+VIP	Filter screen check	Y
USB Access	Y	Inner door material/QTY	Foamed SS/2	Thermostat failure	Y
Remote alarm Access	Y	Racks	24(5X5)	Low battery	Y
RS485 Access	Y	Boxes (2 Inches)	600	Condenser clean	Y
Outside material	Color sprayed steel	Samples(2ml)	60,000	High ambient temperature	Y
Inside material	Stainless steel			Power failure backup (alarm)	72h
Castor	Universal				

Electrical Data		Dimensions		Other	
Voltage frequency(V/Hz)	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	1270*1170*2200	Chart recorder	Optional
Power(W)	1700W	Exterior size(W*D*H)(mm)	1179*1135*1994.5	Data logger	Optional
Current(A)	10.75A	Interior size(W*D*H)(mm)	894*718*1310	CO2 back up system	Optional
Power consumption	18.8kWh/24h	Capacity(L/cu.ft)	838/29.59	LN2 back up system	Optional
Noise(db)	55	N.W/G.W(kg)	391/419	Gloves	Optional

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

FSF-25V300RF Combined Refrigerator & Freezer

FSF-25V300RF Medical Combined Refrigerator and Freezer (upper 2~8℃ and lower -25℃) is widely used in hospitals, blood stations and laboratories. The product has double chamber, double display, double control system, two sets of individual compressor and refrigeration system. Temperature in both chambers can be independently adjusted.



Features

- 2 independent cooling system:Extreme temperature performance.
- Multi-Scene applications:Double chamber & smaller footprint.
- Fan-assistant circulation system:Less temp. fluctuation & better uniformity.
- Lockable doors:Standard locks & padlocks.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 6 types of alarm:Audible and visual alarms.
- Variable space:Adjustable shelves and drawers.
- Eco-friendly:CFC-free refrigerant and energy-saving.

Structure

- Individual LED display for each chamber
- Adjustable shelves
- Lock & Key
- Leveling feet
- Universal castors
- LED lighting
- Suction fan
- PURF Solid door
- Ice drawer
- 2 compressors
- 2 cooling systems

Technical Parameter

Performace		Refrigeration System		Alarms	
Cooling method	Direct cooling	Temp. controller	Microprocessor	High/low temperature	Y
Refrigerator Defrost	Auto	Sensor	NTC	Power failure	Y
Freezer defrost	Manual	Display	Digital display	Sensor error	Y
Temperature range	F:-10℃～-25℃ R:2℃～8℃	External material	SPCC sprayed steel	Controller failure	Y
Ambient temperature	10~32℃	Internal material	HIPS	Door ajar	Y
Noise（db)	49			Ambient temperature	/

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/110V 60Hz	Package size(W*D*H)(mm)	706*674*2020	Inside door	3 shelves & 3 drawers
Power（W)	349W	Exterior size(W*D*H)(mm)	650*620*1980	Remote alarm port	Optional
Current（A)	2.5A	Interior size(W*D*H)(mm)	R:565*480*759 F:461*465*600	Access port QTY/Dia.	2/25MM
Power consumption	3.3kWh/24h	N.W/G.W(kg)	100/120	Data logger	Optional
		Capacity（L/cu.ft)	R:198 F:102		

FSF-25V368RF Combined Refrigerator & Freezer

FSF-25V368RF Medical Combined Refrigerator and Freezer (upper 2~8℃ and lower -25℃) is widely used in hospitals, blood stations and laboratories. The product has double chamber, double display, double control system, two sets of individual compressor and refrigeration system. Temperature in both chambers can be independently adjusted.

Features



- Multi-Scene applications:Double chamber & smaller footprint.
- Heated glass design:Fast defogging & no condensation.
- Coil evaporator:Better performance, easy maintenance.
- Suction circulation system:Less temp. fluctuation & better uniformity.
- Lockable doors:Standard locks & padlocks.
- Large LED displays:Easy to observe and operate, built-in USB.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 8 types of alarm:Audible and visual alarms
- Variable space:Adjustable shelves and drawers.
- Eco-friendly:CFC-free refrigerant and energy-saving.

Structure

- Individual LED display for each chamber
- Double-layer heated glass
- Ergonomic handles
- Padlock holes
- Lock & Key
- Leveling feet
- Universal castors
- Individual control system for each chamber
- PURF formed glass door
- Access ports
- USB Interface
- 2 compressors
- 2 cooling systems
- LED internal light
- Fin evaporator with suction circulation fan
- Adjustable shelves
- Pressure equalization port
- Ice drawers

Technical Parameter

Performace		Refrigeration System		Alarms	
Cooling method	Forced air & Copper tube	Temp. controller	Microprocessor	High/low temperature	Y
Defrost	R: Auto, F: Manual	Sensor	NTC	Power failure	Y
Refrigerant	R290	Display	Digital display	Sensor error	Y
Temperature range	F: -10℃～-25℃	External material	SPCC sprayed steel	Controller failure	Y
	R: 2℃～8℃	Internal material	SPCC sprayed steel	Low battery Alarm	Y
Ambient temperature	10~32℃	Condenser	Copper tube	Door ajar	Y
Noise(db)	50	Inside	3 shelves & 6 drawers	Condenser fault(clean)	Y
USB interface	Y	Compressor QTY	2	High ambient temperature	Y
				Power failure alarm(For controller)	8H

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/60Hz; 110V/60Hz	Capacity(L/cu.ft)	R:183/6.47 F:185/6.54	Remote alarm port	Optional
Power(W)	363W	Package size(W*D*H)(mm)	770*915*2000	Data logger	Optional
Current(A)	2.81 A	Exterior size(W*D*H)(mm)	720×830×1870	Access port QTY/Dia.	2/25MM
Power consumption	4.11kWh/24h	Interior size(W*D*H)(mm)	F:580*626*625; R:466*636*625		
		G.W/N.W	166/130KG		

FSF-25V528RF Combined Refrigerator & Freezer

FSF-25V528RF Medical Combined Refrigerator and Freezer (upper 2~8℃ and lower -25℃) is widely used in hospitals, blood stations and laboratories. The product has double chamber, double display, double control system, two sets of individual compressor and refrigeration system. Temperature in both chambers can be independently adjusted.

Features

- Multi-Scene applications:Double chamber & smaller footprint.
- Heated glass design:Fast defogging & no condensation.
- Coil evaporator:Better performance, easy maintenance.
- Suction circulation system:Less temp. fluctuation & better uniformity.
- Lockable doors:Standard locks & padlocks.
- Large LED displays:Easy to observe and operate, built-in USB.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 8 types of alarm:Audible and visual alarms
- Variable space:Adjustable shelves and drawers.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- Individual LED display for each chamber
- Double-layer heated glass
- Ergonomic handles
- Padlock holes
- Lock & Key
- Leveling feet
- Universal castors
- Individual control system for each chamber
- PURF formed glass door
- Access ports
- USB Interface
- 2 compressors
- 2 cooling systems
- LED internal light
- Fin evaporator with suction circulation fan
- Adjustable shelves
- Pressure equalization port
- Ice drawers

Technical Parameter

Performace		Refrigeration System		Alarms	
Cooling method	Forced air & Copper tube	Temp. controller	Microprocessor	High/low temperature	Y
Defrost	R: Auto, F: Manual	Sensor	NTC	Power failure	Y
Refrigerant	R290	Display	Digital display	Sensor error	Y
Temperature range	F: -10℃～-25℃	External material	SPCC sprayed steel	Controller failure	Y
	R: 2℃～8℃	Internal material	SPCC sprayed steel	Low battery Alarm	Y
Ambient temperature	10~32℃	Condenser	Copper tube	Door ajar	Y
Noise(db)	50	Inside	3 shelves & 9 drawers	Condenser fault (clean)	Y
USB interface	Y			High ambient temperature	Y
				Power failure alarm(For controller)	8H

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/110V 60Hz	Capacity（L/cu.ft)	R:273/9.64 F:255/9.0	Access port QTY/Dia.	2/25MM
Power(W)	431W	Exterior size(W*D*H)(mm)	900*818*1870	Remote alarm port	Optional
Current(A)	2.9 A	Interior size(W*D*H)(mm)	R: 765*640*635 F: 651*636*635	Data logger	Optional
Power consumption	5.01kWh/24h	Packing size(W*D*H)(mm)	970*920*2025		
		G.W/N.W	209.5/168KG		

FSF-40V368RF Combined Refrigerator & Freezer

FSF-40V368RF Medical Combined Refrigerator and Freezer (upper 2~15℃ and lower -40℃) is widely used in hospitals, blood stations and laboratories. The product has double chamber, double display, double control system, two sets of individual compressor and refrigeration system. Temperature in both chambers can be independently adjusted.

Features

- Multi-Scene applications:Double chamber & smaller footprint.
- Heated glass design:Fast defogging & no condensation.
- Coil evaporator:Better performance, easy maintenance.
- Suction circulation system:Less temp. fluctuation & better uniformity.
- Lockable doors:Standard locks & padlocks.
- Large LED displays:Easy to observe and operate, built-in USB.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 8 types of alarm:Audible and visual alarms
- Variable space:Adjustable shelves and drawers.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- Individual LED display for each chamber
- Double-layer heated glass
- Ergonomic handles
- Padlock holes
- Lock & Key
- Leveling feet
- Universal castors
- Individual control system for each chamber
- PURF formed glass door
- Access ports
- USB Interface
- 2 compressors
- 2 cooling systems
- LED internal light
- Fin evaporator with suction circulation fan
- Adjustable shelves
- Pressure equalization port
- Ice drawers

Technical Parameter

Performace		Refrigeration System		Alarms	
Cooling method	Forced air & Copper tube	Temp. controller	Microprocessor	High/low temperature	Y
Defrost	R: Auto, F: Manual	Sensor	NTC	Power failure	Y
Refrigerant	R290	Display	Digital display	Sensor error	Y
Temperature range	F: -20℃～-40℃	External material	SPCC sprayed steel	Controller failure	Y
	R: 2℃～8℃	Internal material	SPCC sprayed steel	Low battery Alarm	Y
Ambient temperature	10~32℃	Condenser	Copper tube	Door ajar	Y
Noise(db)	50	Inside	3 shelves & 6 drawers	Condenser fault(clean)	Y
USB interface	Y			High ambient temperature	Y
				Power failure alarm(For controller)	8H

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	770*915*2000	Access port QTY/Dia.	2/25MM
Power(W)	458W	Capacity(L/cu.ft)	R:183/6.47 F:185/6.54	Remote alarm port	Optional
Current(A)	2.45 A	Exterior size(W*D*H)(mm)	720*830*1870	Data logger	Optional
Power consumption	6.16kWh/24h	Interior size(W*D*H)(mm)	F:580*626*625; R:466*636*625		
		G.W/N.W (kg)	171.5/145		

FSF-40V528RF Combined Refrigerator & Freezer

FSF-40V528RF Medical Combined Refrigerator and Freezer (upper 2~15℃ and lower -40℃) is widely used in hospitals, blood stations and laboratories. The product has double chamber, double display, double control system, two sets of individual compressor and refrigeration system. Temperature in both chambers can be independently adjusted.

Features

- Multi-Scene applications:Double chamber & smaller footprint.
- Heated glass design:Fast defogging & no condensation.
- Coil evaporator:Better performance, easy maintenance.
- Suction circulation system:Less temp. fluctuation & better uniformity.
- Lockable doors:Standard locks & padlocks.
- Large LED displays:Easy to observe and operate, built-in USB.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 8 types of alarm:Audible and visual alarms
- Variable space:Adjustable shelves and drawers.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- Individual LED display for each chamber
- Double-layer heated glass
- Ergonomic handles
- Padlock holes
- Lock & Key
- Leveling feet
- Universal castors
- Individual control system for each chamber
- PURF formed glass door
- Access ports
- USB Interface
- 2 compressors
- 2 cooling systems
- LED internal light
- Fin evaporator with suction circulation fan
- Adjustable shelves
- Pressure equalization port
- Ice drawers

Technical Parameter

Performace		Refrigeration System		Alarms	
Cooling method	Forced air & Copper tube	Temp. controller	Microprocessor	High/low temperature	Y
Defrost	R: Auto, F: Manual	Sensor	NTC	Power failure	Y
Refrigerant	R290	Display	Digital display	Sensor error	Y
Temperature range	F: -20℃～-40℃	External material	SPCC sprayed steel	Controller failure	Y
	R: 2℃～8℃	Internal material	SPCC sprayed steel	Low battery Alarm	Y
Ambient temperature	10~32℃	Condenser	Copper tube	Door ajar	Y
Noise(db)	50	Inside	3 shelves & 9 drawers	Condenser fault(clean)	Y
USB interface	Y	Capacity(L/cu.ft)	R:273/9.64 F:255/9.0	High ambient temperature	Y
				Power failure alarm(For controller)	8H

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V/60Hz	Package size(W*D*H)(mm)	970*920*2025	Access port QTY/Dia.	2/25MM
Power(W)	431W	G.W/N.W	217/174KG	Remote alarm port	YES
Current(A)	2.9 A	Exterior size(W*D*H)(mm)	900×818×1870	Data logger	Optional
Power consumption	5.01kWh/24h	Interior size(W*D*H)(mm)	R: 765*640*635 F: 651*636*635		

FSF-25V100 -25℃ Medical Deep Freezer

FSF-25V100 (100L Medical Deep Freezer) is widely used in hospitals and laboratories. This is for placing and preserving storage such as drugs, vaccines, blood, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down:Better cooling performance.
- Coil evaporator:Better temperature uniformity.
- Lockable doors:Standard lock with keys.
- Eco-friendly:CFC-free refrigerant and energy-saving.
- High-quality materials:Antibacterial and corrosion resistant.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 5 types of alarm:Audible and visual alarms.
- Variable space:Different sizes of drawers.



Structure

- High-precision control system
- Solid door
- Lock & key
- 4 Drawer
- High/low temp. Alarm
- Sensor error alarm
- Power failure alarm
- Door ajar alarm
- Coil evaporator cooling system

Optional Accessories

- Data logger

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R600a	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves and drawers	Sensor	NTC	Sensor error	Y
Temperature range	-10℃～-25℃	Display	Digital display	Controller failure	Y
Ambient temperature	10~32℃	Compressor QTY	1	Door ajar	Y
Capacity(L/cu.ft)	100/3.53	External material	SPCC sprayed steel	Power failure backup(controller)	8 hours
Noise(db)	50	Internal material	HIPS		
Test hole	1/25MM	Door Type	Solid Door		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz; 110V 60Hz	Package size(W*D*H)(mm)	590*590*900	Data logger	Optional
Power(W)	73W	Exterior size(W*D*H)(mm)	540*553*877	USB port	/
Current(A)	0.7A	Interior size(W*D*H)(mm)	410*410*670	Remote alarm port	/
Power consumption	0.81 kWh/24h	NW./GW.(kg)	32/42Kg		

FSF-25V268E -25℃ Medical Deep Freezer

FSF-25V268E (268L Medical Deep Freezer) is widely used in hospitals and laboratories. This is for placing and preserving storage such as drugs, vaccines, blood, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down:Better cooling performance.
- Coil evaporator:Better temperature uniformity.
- Inner-door design:4 individual inner door.
- Universal castor wheels:Proven heavy-duty lockable castors.
- Lockable doors:Standard locks with keys.
- High-quality steel materials:Antibacterial and corrosion resistant.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 5 types of alarm:Audible and visual alarms.
- Variable space:Height adjustable shelves.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- Magnetic block
- Inner door with
- Built in handle
- Lock with Key
- High-precision probe
- Hight adjustable shelf
- Heavy duty hinge
- Castor with brake
- Sensor erro alarm
- High/low temp. Alarm
- Power failure alarm
- Door ajar alarm
- Thermostat failure alarm

Optional Accessories

- USB interface
- Data logger

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/3	Sensor	NTC	Sensor error	Y
Temperature range	-10~-25℃	Display	Digital display	Controller failure	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Noise(db)	46	Internal material	SPCC sprayed steel	Power failure backup(Controller)	8 hours
Access port QTY/Dia	1/25mm	Compressor QTY	CUBIGEL/1		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/110V 60Hz	Package size(W*D*H)(mm)	755*750*1740	Inner door	4
Power(W)	218W	Capacity(L/cu.ft)	268/9.46	Remote alarm port	Y
Current(A)	1.59A	Exterior size(W*D*H)(mm)	673*676*1620	USB port	Optional
Power consumption	1.71 kWh/24h	Interior size(W*D*H)(mm)	508*455*1137	Data logger	Optional
		NW./GW.(kg)	92/119		

FSF-25V328E -25℃ Medical Deep Freezer

FSF-25V328E (328L Medical Deep Freezer) is widely used in hospitals and laboratories. This is for placing and preserving storage such as drugs, vaccines, blood, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down:Better cooling performance.
- Coil evaporator:Better temperature uniformity.
- Inner-door design:5 individual inner door.
- Universal castor wheels:Proven heavy-duty castors with brake.
- Lockable doors:Standard lock with keys.
- High-quality steel materials:Antibacterial and corrosion resistant.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 5 types of alarm:Audible and visual alarms.
- Variable space:Height adjustable shelves.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- Magnetic block
- Inner door with built in handle
- Lock & Key
- High-precision probe
- Hight adjustable shelf
- Heavy duty hinge
- Castor with brake
- Sensor erro alarm
- High/low temp. Alarm
- Power failure alarm
- Door ajar alarm
- Thermostat failure alarm
- Coil evaporator cooling system
- 5 independent inner doors

Optional Accessories

- USB interface
- Data logger

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/4	Sensor	NTC	Sensor error	Y
Temperature range	-10℃～-25℃	Display	Digital display	Controller failure	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Noise(db)	46	Internal material	SPCC sprayed steel	Power failure backup(for controller)	8 hours
Access port QTY/Dia.	1/25mm	Compressor QTY	1		
Capacity(L/cu.ft)	328/11.6				

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz ; 110V/60Hz	Package size(W*D*H)(mm)	750*750*2020	Inner door Qty	5
Power(W)	218W	Exterior size(W*D*H)(mm)	673*676*1886	Remote alarm port	Y
Current(A)	1.59A	Interior size(W*D*H)(mm)	508*455*1393	USB port	Optional
Power consumption	1.71 kWh/24h	NW./GW.(kg)	104/123.5	Data logger	Optional

FSF-25V278W -25℃ Medical Deep Freezer

FSF-25V278W (278L Medical Deep Freezer) is widely used in hospitals and laboratories. This is for placing and preserving storage such as drugs, vaccines, blood, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features



- Fast pull down:Better cooling performance.
- Coil evaporator:Better temperature uniformity.
- Inner-door design:7 individual inner drawers.
- Lockable doors:Standard lock with keys.
- High-quality steel materials:Antibacterial and corrosion resistant.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 4 types of alarm:Audible and visual alarms.
- Eco-friendly:CFC-free refrigerant and energy-saving.

Structure

- Build-in-lock with safety and beauty
- Inner 7 drawers
- Castor with brake
- Digital temperature control and display
- Build-in handle for easy opening
- Heavy duty hinge
- Sensor erro alarm
- High/low temp. Alarm
- Door ajar alarm
- Thermostat failure alarm

Optional Accessories

- Data logger

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Sensor error	Y
Shelf/drawer	Drawer/7	Sensor	NTC	Controller failure	Y
Temperature range	-10℃~-25℃	Display	Digital display	Door ajar	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Power failure alarm(For controller)	/
Noise(db)	46	Internal material	SPCC sprayed steel		
Capacity(L/cu.ft)	278/9.81	Compressor QTY	1		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/110V 60Hz	Package size(W*D*H)(mm)	715*683*1830	Data logger	Optional
Power(W)	195W	Exterior size(W*D*H)(mm)	659*600*1694	Access port QTY/Dia.	1/25mm
Current(A)	1.58A	Interior size(W*D*H)(mm)	480*415*1460		
Power consumption	2.36 kWh/24h	NT./GT.(kg)	94/104		

FSF-25V358 -25℃ Biomedical Freezer

FSF-25V358 Medical Deep Freezer (-10℃ ~ -25℃) is widely used in hospitals, blood stations and laboratories. The product has double chamber, double display, double control system, two sets of individual compressor and refrigeration system. Both chambers can be independently adjustable in temperature..

Features



- International brand compressors:Double cooling system, double chamber.
- Fast pull down:Rapid cooling from +25℃ to -25℃.
- Coil evaporator:Better performance, easy maintenance.
- USB interface:10-year data for downloading.
- Lockable doors:Standard locks & padlocks.
- Large LED displays:Easy to observe and operate, built-in USB.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 7 types of alarm:Audible and visual alarms.
- Variable space:Adjustable shelves and drawers.
- Eco-friendly:CFC-free refrigerant and energy-saving.

Structure

- Individual LED display for each chamber
- Key&lock (2 sets)
- Ergonomic handles
- Padlock hole
- Universal castors
- Pressure relief access
- Drawers
- Individual control system for each chamber
- High density PURF foaming doors
- Easy clean filter
- 2 compressors
- 2 cooling systems
- Leveling feet
- Built-in USB port
- Access ports

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-10~-25℃	Sensor	NTC	Sensor error	Y
Ambient temperature	10~32℃	Compressor brand/QTY	CUBIGEL/2	Controller failure	Y
Display	LED digital display	Capacity(L/cu.ft)	358/12.6	High ambient temperature	Y
Access port QTY/Dia.	2/25mm	Insulation	PURF	Low battery	Y
USB Intereface	Yes/1	Door/QTY	2	Door ajar	Y
Outside material	Spray coated steel	Shelf	4	Power failure alarm(For controller)	8H
Inside material	Spray coated steel	Drawer QTY	12		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	908*768*2000	Remote alarm Access	Y
Power(W)	310W	Exterior size(W*D*H)(mm)	720×830×1870	Data logger	Optional
Current(A)	3A	Interior size(W*D*H)(mm)	(466×636×625)*2	Chart recorder	Optional
Power consumption	5.5 kWh/24h	Shipping CBM	1.39	Gloves	Optional
Noise(db)	49	N.W/G.W(kg)	138/168.5	RS232/485 port	Optional

FSF-25V528 -25℃ Biomedical Freezer

FSF-25V528 Medical Deep Freezer (-10℃ ~-25℃) is widely used in hospitals, blood stations and laboratories. The product has double chamber, double display, double control system, two sets of individual compressor and refrigeration system. Both chambers can be independently adjustable in temperature.



Features

- Imported brand compressors：Double cooling system, double chamber.
- Fast pull down：Rapid cooling from +25℃ to -25℃.
- Coil evaporator：Better performance, easy maintenance.
- USB interface：10-year data for downloading.
- Lockable doors：Standard locks & padlocks.
- Large LED displays：Easy to observe and operate, built-in USB.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 7 types of alarm：Audible and visual alarms.
- Variable space：Adjustable shelves and drawers.
- Eco-friendly：CFC-free refrigerant and energy-saving.

Structure

- Individual LED display for each chamber
- Key&lock
- Ergonomic handles
- Padlock hole
- Key & lock
- Universal castors
- Easy clean filter
- Individual control system for each chamber
- High density PURF foaming doors
- 2 compressors
- 2 cooling systems
- Leveling feet
- Pressure relief access
- Built-in USB port
- Access ports
- Drawers

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-10℃~-25℃	Sensor	NTC	Sensor error	Y
Ambient temperature	10~32℃	Compressor brand/QTY	CUBIGEL/2	Controller failure	Y
Display	LED digital display	Insulation	PURF	High ambient temperature	Y
Access port QTY/Dia.	2/25mm	Door/QTY	2	Low battery	Y
USB Intereface	Yes/1	Shelf	4	Door ajar	Y
Outside material	Spray coated steel	Drawer QTY	18	Power failure alarm(For controller)	8H
Inside material	Spray coated steel				

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V/60Hz	Package size(W*D*H)(mm)	930*975*2020	Remote alarm Access	Y
Power(W)	258W	Exterior size(W*D*H)(mm)	900*818*1875	Data logger	Optional
Current(A)	1.7A	Interior size(W*D*H)(mm)	(651*631.5*635)*2	Chart recorder	Optional
Power consumption	3.37 Wh/24h	Capacity(L/cu.ft)	528/18.64	Gloves	Optional
Noise(db)	55	N.W/G.W(kg)	160/209	RS232/485 port	Optional

FSF-25V936 -25℃ Medical Deep Freezer

FSF-25V936 (936L Medical Deep Freezer) is widely used in hospitals and laboratories. This is for placing and preserving storage such as drugs, vaccines, blood, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.



Features

- Fast pull down：Better cooling performance.
- Coil evaporator：Better temperature uniformity.
- Inner-door design：4 individual inner door.
- Universal castor wheels：Proven heavy-duty castors with brake.
- Lockable door：Standard lock with keys.
- Stainless steel materials：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 7 types of alarm：Audible and visual alarms.
- USB Interface：10 years data for downloading.
- Eco-friendly：CFC-free refrigerant and energy-saving.

Structure

- High-precision probe
- Magnetic block
- Access port
- Castor with brake
- High-precision control system
- Inner door with built in handle
- Humanized handle with lock
- Heavy duty hinge
- Ambient temp alarm
- Sensor erro alarm
- High/low temp. Alarm
- Power failure alarm
- Door ajar alarm
- Thermostat failure alarm
- Abnormal voltage alarm

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R404a	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/3	Sensor	NTC	Sensor error	Y
Temperature range	-10℃～-25℃	Display	Digital display	High ambient temperature	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Abnormal voltage	Y
Noise(db)	52	Internal material	Stainless Steel	Temperature controller malfunction	Y
Inner door Qty	4	Shelf material	Stainless Steel	Door ajar	Y
Access port QTY/Dia.	1/18mm	Compressor QTY	SECOP/2	Low battery	Y
				Power failure alarm(For controller)	72H

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz/or 110V/60Hz	Capacity(L/cu.ft)	936/33	USB Port	Optional
Power(W)	1000W	Exterior size(W*D*H)(mm)	1304×1000×2017	Remote alarm port	YES
Current(A)	5.8A	Interior size(W*D*H)(mm)	1000×700×1335	Data logger	Optional
Power consumption	10kWh/24h	Package size(W*D*H)(mm)	1370*1110*2200	Chart Recorder	Optional
		NW./GW.(kg)	340/376.5	RS485/232 port	Optional

FSF-40V268E -40℃ Medical Deep Freezer

FSF-40V268E (268L Medical Deep Freezer) is widely used in hospitals and laboratories. This is for placing and preserving storage such as drugs, vaccines, blood, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down：Better cooling performance.
- Coil evaporator：Better temperature uniformity.
- Inner-door design：4 individual inner door.
- Universal castor wheels：Proven heavy-duty lockable castors.
- Lockable doors：Standard locks with keys.
- High-quality steel materials：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- Magnetic block
- Inner door with built in handle
- Lock with Key
- High-precision probe
- Hight adjustable shelf
- Heavy duty hinge
- Castor with brake
- Sensor erro alarm
- High/low temp. Alarm
- Power failure alarm
- Door ajar alarm
- Thermostat failure alarm

Optional Accessories

- USB interface
- Data logger

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/3	Sensor	NTC	Sensor error	Y
Temperature range	-20℃～-40℃	Display	Digital display	Controller failure	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Noise(db)	48	Internal material	SPCC sprayed steel	Power failure alarm(For controller)	8 hours
Access port QTY/Dia.	1/25mm	Compressor QTY	CUBIGEL/1		
Capacity(L/cu.ft)	268/9.46	Condenser	Wire tube		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	755*750*1740	Inner door Qty	5
Power(W)	309W	Exterior size(W*D*H)(mm)	673*676*1620	Remote alarm port	Y
Current(A)	1.51A	Interior size(W*D*H)(mm)	508*455*1137	USB port	Optional
Power consumption	4.79 kWh/24h	NW./GW.(kg)	98.5/118.5	Data logger	Optional
		Capacity (L)	268		

FSF-40V278W -40℃ Medical Deep Freezer

FSF-40V278W (278L Medical Deep Freezer) is widely used in hospitals and laboratories. This is for placing and preserving storage such as drugs, vaccines, blood, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down：Better cooling performance.
- Coil evaporator：Better temperature uniformity.
- Inner-drawers design：7 individual inner drawers.
- Lockable doors：Standard locks with keys.
- High-quality steel materials：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 4 types of alarm：Audible and visual alarms.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- Build-in-lock with safety and beauty
- Inner 7 drawers
- Castor with brake
- Digital temperature control and display
- Build-in handle for easy opening
- Heavy duty hinge
- Sensor erro alarm
- High/low temp. Alarm
- Door ajar alarm
- Thermostat failure alarm

Optional Accessories

- Data logger

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Sensor error	Y
Shelf/drawer	Drawer/7	Sensor	NTC	Controller failure	Y
Temperature range	-20℃～-40℃	Display	Digital display	Door ajar	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel		
Noise(db)	50	Internal material	SPCC sprayed steel		
Inner drawer Qty	7	Compressor QTY	1		
Capacity(L/cu.ft)	278/9.81				

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz, 110V/60Hz	Package size(W*D*H)(mm)	715*683*1830	Access port QTY/Dia.	1/25mm
Power(W)	280W	Exterior size(W*D*H)(mm)	659*600*1694	Data logger	Optional
Current(A)	1.48A	Interior size(W*D*H)(mm)	480*415*1460		
Power consumption	5.76kWh/24h	NW./GW.(kg)	94/104		
		Capacity (L)	278		

FSF-40V328E -40℃ Medical Deep Freezer

FSF-40V328E (328L Medical Deep Freezer) is widely used in hospitals and laboratories. Designed to store vaccines, blood plasma and many other biological materials. Installations can be found in research institutions and clinical sites in the life science, pharma, biotech, medical and electronics sectors.



Features

- Fast pull down：Better cooling performance.
- Coil evaporator：Better temperature uniformity.
- Inner-door design：5 individual inner door.
- Universal castor wheels：Proven heavy-duty castors with brake.
- Lockable doors：Standard locks with keys.
- High-quality steel materials：Antibacterial and corrosion resistant.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 5 types of alarm：Audible and visual alarms.
- Variable space：Height adjustable shelves.
- Eco-friendly：CFC-free refrigerant and energy-saving.

Structure

- High-precision control system
- Magnetic block
- Inner door with built in handle
- Lock & Key
- High-precision probe
- Hight adjustable shelf
- Heavy duty hinge
- Castor with brake
- Sensor error alarm
- High/low temp. alarm
- Power failure alarm
- Door ajar alarm
- Thermostat failure alarm

Optional Accessories

- USB interface
- Data logger

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/4	Sensor	NTC	Sensor error	Y
Temperature range	-20℃~-40℃	Display	Digital display	Controller failure	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Noise(db)	48	Internal material	SPCC sprayed steel	Power failure backup(for controller)	8 hours
Access port QTY/Dia.	1/25mm	Compressor QTY	1		
Capacity(L/cu.ft)	328/11.6	Condenser	Wire tube		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	750*750*2020	Inner door Qty	5
Power(W)	330W	Exterior size(W*D*H)(mm)	673×676×1886	Remote alarm port	Y
Current(A)	1.54A	Interior size(W*D*H)(mm)	508*455*1393	USB port	Optional
Power consumption	5.76 kWh/24h	NW./GW.(kg)	104/129.5	Data logger	Optional
		Capacity (L)	328		

FSF-40V358 -40℃ Biomedical Freezer

FSF-40V358 Medical Deep Freezer (-20℃ ~ -40℃) is widely used in hospitals, blood stations and laboratories. The product has double chamber, double display, double control system, two sets of individual compressor and refrigeration system. Both chambers can be independently adjustable in temperature.

Features

- Imported brand compressors：Double cooling system, double chamber.
- Fast pull down：Rapid cooling from +25℃ to -40℃.
- Coil evaporator：Better performance, easy maintenance.
- USB interface：10-year data for downloading.
- Lockable doors：Standard locks & padlocks.
- Large LED displays：Easy to observe and operate, built-in USB.
- Precise temp. Control：Temp. control accurate to 0.1℃.
- 6 types of alarm：Audible and visual alarms.
- Variable space：Adjustable shelves and drawers.
- Eco-friendly：CFC-free refrigerant and energy-saving.



Structure

- Individual LED display for each chamber
- Key & lock (2 sets)
- Ergonomic handles
- Padlock hole
- Universal castors
- Individual control system for each
- High density PURF foaming doors
- Easy clean filter
- 2 compressors
- 2 cooling systems
- Leveling feet
- Pressure relief access
- Drawers
- Built-in USB port
- Access ports

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-20~-40℃	Sensor	NTC	Sensor error	Y
Ambient temperature	10~32℃	Compressor brand/QTY	CUBIGEL/2	Controller failure	Y
Display	LED digital display	Insulation	PURF	High ambient temperature	Y
Access port QTY/Dia.	2/25mm	Door/QTY	2	Low battery	Y
USB Intereface	Yes/1	Shelf	4	Door ajar	Y
Outside material	Spray coated steel	Drawer QTY	12	Power failure alarm(For controller)	8H
Inside material	Spray coated steel				

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	908*768*2000	Remote alarm Access	Y
Power(W)	345W	Exterior size(W*D*H)(mm)	720×830×1870	Data logger	Optional
Current(A)	3.2A	Interior size(W*D*H)(mm)	(466×636×625)*2	Chart recorder	Optional
Power consumption	6.2 kWh/24h	Capacity(L/cu.ft)	358/12.6	Gloves	Optional
Noise(db)	49	N.W/G.W(kg)	138/169	RS232/485 port	Optional

FSF-40V936 -40℃ Medical Deep Freezer

FSF-40V936 (936L Medical Deep Freezer) is widely used in hospitals and laboratories. This is for placing and preserving storage such as drugs, vaccines, blood, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.

Features

- Fast pull down:Better cooling performance.
- Coil evaporator:Better temperature uniformity.
- Inner-door design:4 individual inner door.
- Universal castor wheels:Proven heavy-duty castors with brake.
- Lockable door:Standard locks with keys.
- Stainless steel materials:Antibacterial and corrosion resistant.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 10 types of alarm:Audible and visual alarms.
- USB Interface optional:10 years data for downloading.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- High-precision probe
- Magnetic block
- Access port
- Castor with brake
- High-precision control system
- Inner door with built in handle
- Humanized handle with padlock
- Heavy duty hinge
- Ambient temp alarm
- Sensor erro alarm
- High/low temp. Alarm
- Power failure alarm
- Door ajar alarm
- Thermostat failure alarm
- Abnormal voltage alarm

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R404a	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	Shelves/4	Sensor	PTC	Abnormal voltage	Y
Temperature range	-25℃~-40℃	Display	Digital display	Sensor error	Y
Ambient temperature	10~32℃	External material	Powder-Coated steel	Filter screen check	Y
Noise(db)	50	Internal material	Stainless steel	Thermostat failure	Y
Capacity(L/cu.ft)	936/33	Compressor QTY	SECOP/2	Low battery	Y
Inner door Qty	4	Insulation	PURF	Condenser clean	Y
Access port QTY/Dia.	1/18mm			High ambient temperature	Y
				Door ajar	Y

Electrical Data		Dimensions		Other	
Voltage frequency	220V, 50/60Hz;110V/60Hz	Package size(W*D*H)(mm)	1392*1090*2115	USB port	Optional
Power(W)	1000W	Exterior size(W*D*H)(mm)	1304*1000*2017	Remote alarm port	Optional
Current(A)	5.8A	Interior size(W*D*H)(mm)	1000*700*1335	Temperature data logger	Optional
Power consumption	14.5kWh/24h	NT./GT.(kg)	342.5/377.5	Cryo-gloves	Optional
		Capacity (L)	936		

FSF-40V528 -40℃ Biomedical Freezer

FSF-40V528 Medical Deep Freezer (-20℃ ～-40℃) is widely used in hospitals, blood stations and laboratories. The product has double chamber, double display, double control system, two chambers can be independently adjustable in temperature.sets of individual compressor and refrigeration system. Both chambers can be independently adjustable in temperature.

Features

- Imported brand compressors : Double cooling system, double chamber.
- Fast pull down.
- Coil evaporator : Better performance, easy maintenance.
- Thick PURF insulation : Better insulation performance.
- Lockable doors : Standard locks & padlocks.
- Large LED displays : Easy to observe and operate, built-in USB.
- Precise temp. Control : Temp. control accurate to 0.1℃.
- 7 types of alarm : Audible and visual alarms.
- Variable space : Adjustable shelves and drawers.
- Eco-friendly : CFC-free refrigerant and energy-saving.



Structure

- Individual LED display for each chamber
- Upper Key & lock
- Ergonomic handles
- Padlock hole
- Bottom Key & lock
- Universal castors
- Individual control system for each chamber
- High density PURF foaming doors
- Easy clean filter
- 2 compressors
- 2 cooling systems
- Leveling feet
- Pressure relief access
- 18 drawers frost-resistant plastic
- Built-in USB port
- Access ports

Technical Parameter

Performace		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-20℃~-40℃	Sensor	NTC	Sensor error	Y
Ambient temperature	10~32℃	Compressor brand/QTY	CUBIGEL/2	Controller failure	Y
Display	LED digital display	Insulation	PURF	High ambient temperature	Y
Access port QTY/Dia.	2/25mm	Door/QTY	2	Low battery	Y
USB Intereface	Yes/1	Shelf	4	Door ajar	Y
Outside material	Spray coated steel	Drawer QTY	18	Power failure alarm(For controller)	8H
Inside material	Spray coated steel				

Electrical Data		Dimensions		Accessories	
Voltage frequency	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	930*975*2020	Remote alarm Access	Y
Power(W)	452W	Exterior size(W*D*H)(mm)	900*818*1875	Data logger	Optional
Current(A)	3.2A	Interior size(W*D*H)(mm)	(651*631.5*635)*2	Chart recorder	Optional
Power consumption	6.89 Wh/24h	Capacity(L/cu.ft)	528/18.64	Gloves	Optional
Noise(db)	55	N.W/G.W(kg)	160/209	RS232/485 port	Optional

FSF-25H105 -25℃ Boimedical Chest Deep Freezer

-25℃ Chest Deep 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 CFC-free 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 deep freezers more efficient in Insulation and less heat loss, so as to achieve the purpose of better thermal insulation performance and energy saving.
- Dixell Temp. Controller：Pricise and stable control of temperature.
- 4 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

- Spayed Steel & Thick PU foamed lid
- Buckle with padlock port
- Sturdy steel body with thick PU foaming
- Ergonomic handle
- Proven Hings
- Access port for extra monitoring
- Temp. Controller with LED display
- Heavy duty castors

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	HC-R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-10℃～-25℃	System	Copper tube	Sensor error	Y
Ambient temperature	10~32℃	Sensor	NTC	Thermostat failure	Y
Display	LED digital display	Compressor brand/QTY	DONPER/1	Power failure alarm(For controller)	8H
Access port QTY/Dia.	1/25mm	Insulation	PURF		
Interior/Exterior material	Color sprayed steel				

Electrical Data		Dimensions		Other	
Voltage frequency(V/Hz)	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	735*687*1040	Data logger	Optional
Power(W)	174W	Exterior size(W*D*H)(mm)	621*588*883	Castor	Universal
Current(A)	1.48A	Interior size(W*D*H)(mm)	480*380*665	Gloves	Optional
Power consumption	0.99KWh/24h	Capacity(L/cu.ft)	105/3.70	USB Intereface	N/A
Noise(db)	46	N.W/G.W(kg)	31/52	Remote alarm Access	N/A

FSF-25H305 -25℃ Boimedical Chest Deep Freezer

-25℃ Chest Deep 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 CFC-free 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 deep freezers more efficient in Insulation and less heat loss, so as to achieve the purpose of better thermal insulation performance and energy saving.
- Dixell Temp. Controller：Pricise and stable control of temperature.
- 4 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

- Spayed Steel & Thick PU foamed lid
- Sturdy steel body with thick PU foaming
- Ergonomic handle
- Proven Hings
- Buckle with padlock port
- Access port for extra monitoring
- Temp. Controller with LED display
- Heavy duty castors

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R134a	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-10℃～-25℃	System	Copper tube	Sensor error	Y
Ambient temperature	10~32℃	Sensor	NTC	Thermostat failure	Y
Display	LED digital display	Compressor brand/QTY	China brand/1	Power failure alarm(For controller)	8H
Access port QTY/Dia.	1/25mm	Insulation	PURF		
Interior/Exterior material	Color sprayed steel				

Electrical Data		Dimensions		Other	
Voltage frequency(V/Hz)	220V 50/60Hz;110V/60Hz	Package size(W*D*H)(mm)	1290*836*1090	Data logger	Optional
Power(W)	128W	Exterior size(W*D*H)(mm)	1140*742*883	Castor	Universal
Current(A)	1.04A	Interior size(W*D*H)(mm)	1000*520*665	Gloves	Optional
Power consumption	1.47KWh/24h	Capacity(L/cu.ft)	305/10.8	USB Intereface	N/A
Noise(db)	50	N.W/G.W(kg)	66/83.5	Remote alarm Access	N/A

FSF-25H485 -25℃ Deep Freezer

-25℃ Chest Deep 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 deep freezers more efficient in Insulation and less heat loss, so as to achieve the purpose of better thermal insulation performance and energy saving.
- Dixell Temp. Controller：Pricise and stable control.
- 4 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

- Stainless steel lid & Thick PU foamed
- Buckle with padlock port
- Sturdy steel body with thick PU foaming
- Heavy duty castors with brake
- Ergonomic handle
- Proven Hings
- Hoverable top lid
- Access port for extra monitoring
- Temp. controller

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	HC-R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-10℃～-25℃	System	Auto-cascade	Sensor error	Y
Ambient temperature	10~32℃	Sensor	NTC	Thermostat failure	Y
Display	LED digital	Compressor brand/QTY	CUBIGELN/1	Power failure alarm(For controller)	8H
Access port QTY/Dia.	1/25mm	Insulation	PURF		
Interior/Exterior material	Color sprayed steel				

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	1750*873*1065	Data logger	Optional
Power(W)	295W	Exterior size(W*D*H)(mm)	1655*755*915	Castor	Universal
Current(A)	2.45A	Interior size(W*D*H)(mm)	1455*525*665	Gloves	Optional
Power consumption	3.45KWh/24h	Capacity(L/cu.ft)	485/17.12	USB Intereface	N/A
Noise(db)	55	N.W/G.W(kg)	124/138	Remote alarm Access	N/A

FSF-40H105 -40℃ Deep Freezer

-40℃ Chest Deep 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 deep freezers more efficient in Insulation and less heat loss, so as to achieve the purpose of better thermal insulation performance and energy saving.
- Dixell Temp. Controller：Pricise and stable control; Reliable control system -40±3°C
- 4 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

- Stainless steel lid & Thick PU foamed
- Buckle with padlock port
- Sturdy steel body with thick PU foaming
- Heavy duty castors with brake
- Ergonomic handle
- Proven Hings
- Hoverable top lid
- Access port for extra monitoring
- Temp. controller

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	HC-R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-20℃~40℃	System	Copper tube	Sensor error	Y
Ambient temperature	10℃~32℃	Sensor	NTC	Temperature controller failure	Y
Display	LED digital display	Compressor brand/QTY	DONPER/1	Power failure alarm(For controller)	8H
Access port QTY/Dia.	1/25mm	Insulation	PURF		
Interior/Exterior material	Color sprayed steel				

Electrical Data		Dimensions		Other	
Voltage frequency(V/Hz)	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	735*687*1040	Temperature data logger	Optional
Power(W)	175W	Exterior size(W*D*H)(mm)	694×686×942	Castor	Universal
Current(A)	1.59A	Interior size(W*D*H)(mm)	480*380*665	Gloves	Optional
Power consumption	1.39KWh/24h	Capacity(L/cu.ft)	105/3.70	USB Intereface	N/A
Noise(db)	50	N.W/G.W(kg)	59/67.5	Remote alarm Access	N/A

FSF-40H305 -40℃ Boimedical Chest Deep Freezer

-40℃ Chest Deep 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 CFC-free 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 deep freezers more efficient in Insulation and less heat loss, so as to achieve the purpose of better thermal insulation performance and energy saving.
- Dixell Temp. Controller：Pricise and stable control of temperature.
- 4 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

- Spayed Steel lid & Thick PU foamed
- Sturdy steel body with thick PU foaming
- Heavy duty castors with brake
- Ergonomic handle
- Proven Hings
- Hoverable top lid
- Buckle with padlock port
- Access port for extra monitoring
- LED Temp. controller

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-20℃~40℃	System	Copper tube	Sensor error	Y
Ambient temperature	10~32℃	Sensor	NTC	Temperature controller failure	Y
Display	LED digital display	Compressor brand/QTY	CUBIGEL/1	Power failure alarm(For controller)	8H
Access port QTY/Dia.	1/25mm	Insulation	PURF		
Interior/Exterior material	Color sprayed steel				

Electrical Data		Dimensions		Other	
Voltage frequency(V/Hz)	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	1290*836*1090	Data logger	Optional
Power(W)	162W	Exterior size(W*D*H)(mm)	1210*833*941	Castor	Universal
Current(A)	1.36A	Interior size(W*D*H)(mm)	1000*520*665	Gloves	Optional
Power consumption	2.02KWh/24h	Capacity(L/cu.ft)	305/10.8	USB Intereface	N/A
Noise(db)	50	N.W/G.W(kg)	80/107.5	Remote alarm Access	N/A

FSF-40H485 -40℃ Boimedical Chest Deep Freezer

-40℃ Chest Deep 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 deep freezers more efficient in Insulation and less heat loss, so as to achieve the purpose of better thermal insulation performance and energy saving.
- Dixell Temp. Controller：Pricise and stable control.
- 4 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

- Stainless Steel lid & Thick PU foamed
- Sturdy steel body with thick PU foaming
- Heavy duty castors with brake
- Ergonomic handle
- Proven Hings
- Hoverable top lid
- Buckle with padlock port
- Access port for extra monitoring
- LED Temp. controller

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-20℃～-40℃	Sensor	NTC	Abnormal voltage	/
Ambient temperature	10~32℃	Compressor brand/QTY	CUBIGELN/1	Sensor error	Y
Display	LED digital	Insulation	PURF	Door ajar	/
Access port QTY/Dia.	1/25mm	Optional Racks	24(11x1)+6(6X1)	Filter screen check	/
Interior/Exterior material	Color sprayed steel	Boxes (2 Inches)	300	Thermostat failure	Y
		Samples (2ml)	30000	Power failure alarm(For controller)	8H

Electrical Data		Dimensions		Other	
Voltage frequency(V/Hz)	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	1750*873*1065	Frozen racks	Optional
Power(W)	300W	Exterior size(W*D*H)(mm)	1667*863*949	Baskets	Optional
Current(A)	1.6A	Interior size(W*D*H)(mm)	1455*525*665	Data logger	Optional
Power consumption	3.03KWh/24h	Capacity(L/cu.ft)	485/17.12	Gloves	Optional
Noise(db)	55	N.W/G.W(kg)	124/150	Castor	Universal

FSF-60H105 -60℃ Deep Freezer

-60℃ Chest Deep 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 deep freezers more efficient in Insulation and less heat loss, so as to achieve the purpose of better thermal insulation performance and energy saving.
- Dixell Temp. Controller：Pricise and stable control.
- 4 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

- Stainless Steel lid & Thick PU foamed
- Sturdy steel body with thick PU foaming
- Heavy duty castors with brake
- Ergonomic handle
- Proven Hings
- Hoverable top lid
- Buckle with padlock port
- Access port for extra monitoring
- LED Temp. controller

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R4001	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Sensor error	Y
Temperature range	-25℃~60℃	System	Auto-cascade	Thermostat failure	Y
Ambient temperature	10~32℃	Sensor	NTC	Power failure alarm(For controller)	/
Display	LED digital	Compressor brand/QTY	CUBIGELN/1		
Access port QTY/Dia.	1/25mm	Insulation	PURF		
Outside material	Color sprayed steel	Optional Racks	2(11x1)+2(6X1)		
Inside material	Stainless steel	Boxes (2 Inches)	34		
		Samples(2ml)	3,400		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz ;110V/60Hz	Package size(W*D*H)(mm)	735*687*1040	SS Racks+Cryoboxes	Optional
Power(W)	380W	Exterior size(W*D*H)(mm)	680*580*935	Data logger	Optional
Current(A)	2.36A	Interior size(W*D*H)(mm)	480*380*665	Baskets	Optional
Power consumption	3.17KWh/24h	Capacity(L/cu.ft)	105/3.70	Gloves	Optional
Noise(db)	50	N.W/G.W(kg)	62/67	Castor	Universal

FSF-60H485 -60℃ Deep Freezer

-60℃ Chest Deep 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 deep freezers more efficient in Insulation and less heat loss, so as to achieve the purpose of better thermal insulation performance and energy saving.
- Dixell Temp. Controller： Pricise and stable control.
- 4 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

- Stainless Steel lid & Thick PU foamed
- Sturdy steel body with thick PU foaming
- Heavy duty castors with brake
- Ergonomic handle
- Proven Hings
- Hoverable top lid
- Buckle with padlock port
- Access port for extra monitoring
- LED Temp. controller

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R4001	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Sensor error	Y
Temperature range	-25℃~-60℃	System	Auto-cascade	Thermostat failure	Y
Ambient temperature	10~32℃	Sensor	PTC	Power failure alarm(For controller)	/
Display	LED digital	Compressor brand/QTY	CUBIGELN/1		
Access port QTY/Dia.	1/25mm	Insulation	PURF		
Outside material	Color sprayed steel	Optional Racks	24(11x1)+6(6X1)		
Inside material	Stainless steel	Boxes (2 Inches)	300		
		Samples(2ml)	30,000		

Electrical Data		Dimensions		Other	
Voltage frequency(V/Hz)	220V 50Hz/110V 60Hz	Package size(W*D*H)(mm)	1750*873*1065	SS Racks+Cryoboxes	Optional
Power(W)	600W	Exterior size(W*D*H)(mm)	1670*810*930	Data logger	Optional
Current(A)	3.44A	Interior size(W*D*H)(mm)	1455*525*665	Baskets	Optional
Power consumption	5.88KWh/24h	Capacity(L/cu.ft)	485/17.12	Gloves	Optional
Noise(db)	50	N.W/G.W(kg)	122/142.5	Castor	Universal

FSF-86H105 -86℃ Ultra Low Temperature Freezer

-86℃ Chest 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.
- Dixell Temp. Controller：Pricise and stable control.
- 3 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

- Stainless steel lid & Thick PU foamed
- Sturdy steel body with thick PU foaming
- Heavy duty castors with brake
- Ergonomic handle
- Proven Hings
- Hoverable top lid
- Buckle with padlock port
- Access port for extra monitoring
- Temp. Controller
- Double layer external condenser for better heat dissipation

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	/
Temperature range	-40℃～-86℃	System	Auto-cascade	Sensor error	Y
Ambient temperature	10~32℃	Sensor	PT100	Thermostat failure	Y
Display	LED digital	Compressor brand/QTY	CUBIGEL/1	Power failure backup (alarm)	/
Access port QTY/Dia.	1/25mm	Insulation	PURF		
USB Intereface	NO	Inner door material/QTY	/		
Remote alarm Access	NO	Racks	2(11x2)+2(6X1)		
Outside material	Color sprayed steel	Boxes (2 Inches)	34		
Inside material	Stainless steel	Samples (2ml)	3400		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz;110V/60Hz	Package size(W*D*H)(mm)	735*687*1040	Chart recorder	Optional
Power(W)	500W	Exterior size(W*D*H)(mm)	680*580*935	Data logger	Optional
Current(A)	2.53A	Interior size(W*D*H)(mm)	480*380*665	CO2 back up system	Optional
Power consumption	4.54KWh/24h	Capacity(L/cu.ft)	105/3.70	LN2 back up system	Optional
Noise(db)	50	N.W/G.W(kg)	65/70	Gloves	Optional
				Castor	Universal

FSF-86H485 -86℃ Chest ULT Freezer

-86℃ Chest 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.
- Dixell Temp. Controller：Pricise and stable control.
- 3 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

- Stainless steel lid & Thick PU foamed
- Sturdy steel body with thick PU foaming
- Heavy duty castors with brake
- Ergonomic handle
- Proven Hings
- Hoverable top lid
- Buckle with padlock port
- Access port for extra monitoring
- Temp. Controller

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	/
Temperature range	-40℃～-86℃	System	Auto-cascade	Sensor error	Y
Ambient temperature	10~32℃	Sensor	PT 100	Door ajar	/
Display	Digital display	Compressor brand/QTY	SECOP/1	Thermostat failure	Y
Access port QTY/Dia.	1/25mm	Insulation	PURF	Power failure alarm(For controller)	/
Outside material	Power coated steel	Racks	30(11X1,6X1)		
Inside material	Stainless steel	Boxes (2 Inches)	300		
Castor	Y/4 2Universal+2Fixed	Samples(2ml)	30,000		
USB port	/	Shelf/drawer QTY	6 Baskets optional		

Electrical Data		Dimensions		Other	
Voltage frequency(V/Hz)	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	1750*873*1065	Data logger	Optional
Power(W)	670W	Exterior size(W*D*H)(mm)	1695*840*962	SS basket	Optional
Current(A)	3.16A	Interior size(W*D*H)(mm)	1455.5*525.2*674	Frozen rack	Optional
Power consumption	11.41KWh/24h	Capacity(L/cu.ft)	485/17.12	CO2/LN2 back up system	/
Noise(db)	54.5	N.W/G.W(kg)	130/150	Gloves	Optional
				RS485 port	/

FSF-5L Platelet Incubator

FSF-5L (20~24℃ platelet incubator) is widely used in hospitals and laboratories. To store blood platelet, biological reagent, chemical products stored suitable for hospitals, blood stations , research institutes and univerity labs .

Features

- Suction circulation system:For better temp uniformity.
- High quality:Imported oscillation slide rail.
- Thermal printer:Real-time automatic printing of temp.
- Universal castor wheels:Proven heavy-duty lockable castors.
- Lockable doors:Standard locks with keys.
- High-quality steel materials:Antibacterial and corrosion resistant.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 4 types of alarm:Audible and visual alarms.
- Safer Inner Environment:UV Light Disinfection.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- Forced air circulation
- High-precision probe
- Oscillator
- Lock and key
- Thermal printer
- UV lighting
- Stainless steel Racks with 5 trays
- Self closing heating glass
- Lockable castors

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced air cooling	Refrigerant	R134a	High/low temperature	Y
Defrost	No frost	Temp. controller	Microprocessor	Power failure	Y
Bloodbags(450ml)/Drawer	10bags /5 layers	Temperature range	20~24℃	Sensor error	Y
Oscillation Frequency	60±5 times/min	Ambient temperature	10~32℃	Door ajar	Y
OscillationAmplitude	50±10mm	Sensor	NTC	Power failure alarm(For controller)	72H
Noise(db)	49	Display	Digital display		
Light	UV lamp	Internal material	Stainless steel		
Door	Foamed glass door	External material	SPCC sprayed steel		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz; 110V 60Hz	Exterior size(W*D*H)(mm)	522*600*1056	Thermal Printer	Y
Power(W)	197W	Interior size(W*D*H)(mm)	427*360*467	Access Port	Optional
Current(A)	1.3A	Package size(W*D*H)(mm)	585*710*1550	Temperature data logger	Optional
Power consumption	1.91 kWh/24h	N.W/G.W(kg)	65/79	USB port	/

FSF-7L Platelet Incubator

FSF-7L (20~24℃ platelet incubator) is widely used in hospitals and laboratories. To store blood platelet, biological reagent, chemical products stored suitable for hospitals , blood stations , research institutes and univerity labs .

Features

- Suction circulation system:For better temp uniformity.
- High quality:Imported oscillation slide rail.
- Thermal printer:Real-time automatic printing of temp.
- Universal castor wheels:Proven heavy-duty lockable castors.
- Lockable doors:Standard locks with keys.
- High-quality steel materials:Antibacterial and corrosion resistant.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 4 types of alarm:Audible and visual alarms.
- Safer Inner Environment:UV Light Disinfection.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- Forced air circulation
- High-precision probe
- Oscillator
- Lock and key
- Thermal printer
- UV lighting
- Stainless steel Racks with 5 trays
- Self closing heating glass
- Lockable castors

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced air cooling	Refrigerant	R134a	High/low temperature	Y
Defrost	No frost	Temp. controller	Microprocessor	Power failure	Y
Blood bags(450ml)/Drawer	14bags /7 layers	Temperature range	20~24℃	Sensor error	Y
Oscillation Frequency	60±5 times/min	Ambient temperature	10~32℃	Door ajar	Y
Oscillation Amplitude	50±10mm	Sensor	NTC	Power failure alarm(For controller)	72H
Noise(db)	49	Display	Digital display		
Light	UV lamp	Internal material	Stainless steel		
Door	Foamed glass door	External material	SPCC sprayed steel		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz; 110V 60Hz	Exterior size(W*D*H)(mm)	522*600*1056	Thermal Printer	Y
Power(W)	197W	Interior size(W*D*H)(mm)	427*360*467	Access Port	Optional
Current(A)	1.3A	Package size(W*D*H)(mm)	585*710*1185	Temperature data logger	Optional
Power consumption	1.91 kWh/24h	N.W/G.W(kg)	68/82	USB port	/

FSF-10L Platelet Incubator

FSF-10L (20~24℃ platelet incubator) is widely used in hospitals and laboratories. To store blood platelet, biological reagent, chemical products stored suitable for hospitals , blood stations , research institutes and university labs .

Features

- Suction circulation system:For better temp uniformity.
- High quality:Imported oscillation slide rail.
- Thermal printer:Real-time automatic printing of temp.
- Universal castor wheels:Proven heavy-duty lockable castors.
- Lockable doors:Standard locks with keys.
- High-quality steel materials:Antibacterial and corrosion resistant.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 4 types of alarm:Audible and visual alarms.
- Safer Inner Environment:UV Light Disinfection.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- Forced air circulation
- High-precision probe
- Oscillator
- Lock and key
- Thermal printer
- UV lighting
- Stainless steel Racks with 5 trays
- Self closing heating glass
- Lockable castors

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced air cooling	Refrigerant	R134a	High/low temperature	Y
Defrost	No frost	Temp. controller	Microprocessor	Power failure	Y
Blood bags(450ml)/Drawer	20bags /10 layers	Temperature range	20~24℃	Sensor error	Y
Oscillation Frequency	60±5 times/min	Ambient temperature	10~32℃	Door ajar	Y
Oscillation Amplitude	50±10mm	Sensor	NTC	Power failure alarm(For controller)	72H
Noise(db)	50	Display	Digital display		
Light	UV lamp	Internal material	Stainless steel		
Door	Foamed glass door	External material	SPCC sprayed steel		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz; 110V 60Hz	Exterior size(W*D*H)(mm)	522×600×1305	Thermal Printer	Y
Power(W)	280W	Interior size(W*D*H)(mm)	432*462*728	Access Port	Optional
Current(A)	1.5A	Package size(W*D*H)(mm)	585*710*1425	Temperature data logger	Optional
Power consumption	2.02 kWh/24h	N.W/G.W(kg)	85/109	USB port	/

FSF-15L Platelet Incubator

FSF-15L (20~24℃ platelet incubator) is widely used in hospitals and laboratories. To store blood platelet，biological reagent, chemical products stored suitable for hospitals , blood stations , research institutes and univerity labs .

Features

- Suction circulation system:For better temp uniformity.
- High quality:Imported oscillation slide rail.
- Thermal printer:Real-time automatic printing of temp.
- Universal castor wheels:Proven heavy-duty lockable castors.
- Lockable doors:Standard locks with keys.
- High-quality steel materials:Antibacterial and corrosion resistant.
- Precise temp. Control:Temp. control accurate to 0.1℃.
- 4 types of alarm:Audible and visual alarms.
- Eco-friendly:CFC-free refrigerant and energy-saving.
- Safer Inner Environment:UV Light Disinfection.



Structure

- High-precision control system
- Forced air circulation
- High-precision probe
- Oscillator
- Lock and key
- Thermal printer
- UV lighting
- Stainless steel Racks with 5 trays
- Self closing heating glass
- Lockable castors

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced air cooling	Refrigerant	R134a	High/low temperature	Y
Defrost	No frost	Temp. controller	Microprocessor	Power failure	Y
Blood bags(450ml)/Drawer	30bags /15 layers	Temperature range	20~24℃	Sensor error	Y
Oscillation Frequency	60±5 times/min	Ambient temperature	10~32℃	Door ajar	Y
Oscillation Amplitude	50±10mm	Sensor	NTC	Power failure alarm(For controller)	72H
Noise(db)	50	Display	Digital display		
Light	UV lamp	Internal material	Stainless steel		
Door	Foamed glass door	External material	SPCC sprayed steel		

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz; 110V/60Hz	Exterior size(W*D*H)(mm)	522×600×1305	Thermal Printer	Y
Power(W)	280W	Interior size(W*D*H)(mm)	432*462*728	Access Port	Optional
Current(A)	1.5A	Package size(W*D*H)(mm)	585*710*1425	Temperature data logger	Optional
Power consumption	2.02 kWh/24h	N.W/G.W(kg)	92/115	USB port	/

FSF-4V108 4℃ Blood Bank Refrigerator

FSF-4V108 Blood bank refrigerator (108 liter) is an essential piece of equipment in the immunohematology department and provides safe and convenient storage of whole blood, blood components (e.g.,blood cells, plasma), and reagents. It ensures freshness and integrity of blood and blood components. FSF-4V108 can store a total of 60 pcs of 450ml blood bags.

Features

- Fast pull down:Real forced air cooling system.
- Temp. simulation box:Accurately detect the temperature of blood.
- Suction circulation system:Big fans for better temp uniformity.
- Universal castor wheels:Proven heavy-duty lockable castors.
- Lockable doors:Standard lock for door.
- High-quality Stainless Steel:Corrosion resistant.
- Precise temp. Control:Temp. fluctuation is controlled at 4±0.5℃.
- 5 types of alarm:Audible and visual alarms.
- Variable space:Adjustable shelves and baskets.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- Suction fan
- Temp. sensor box
- Lockable castors
- Printer
- Access port
- Acrylic inner doors
- Detachable Baskets
- Lock and key
- Heating foamed glass door
- High/low temp. alarm
- Door ajar alarm
- Power failure alarm
- Controller malfunction alarm

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R134a	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/drawer	2/6	Sensor	NTC	Thermostat failure	Y
Temperature range	4±1℃	Display	Digital display	Controller malfunction	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Door Type	Heating foamed glass door	Internal material	stainless steel	Remote alarm interface	Y
Access port QTY/Dia.	1/25mm			Backup battery for alarms	72 hrs

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V 60Hz	Package size(W*D*H)(mm)	590*700*1210	Inside Door	2
Power(W)	168W	Exterior size(W*D*H)(mm)	522*635*1050	USB port	Optional
Current(A)	1.23	Interior size(W*D*H)(mm)	432*462*478	Thermal printer	YES
Power consumption	2.09 kWh/24h	Capacity(L/cu.ft)	108/3.81	Data logger	Optional
Compressor QTY	1 EMBRACO	NW./GW.(kg)	74/90	RS485/232 port	Optional

FSF-4V208 4℃ Blood Bank Refrigerator

FSF-4V208 Blood bank refrigerator (208 liter) is an essential piece of equipment in the immunohematology department and provides safe and convenient storage of whole blood, blood components (e.g.,blood cells, plasma), and reagents. It ensures freshness and integrity of blood and blood components. MBC-4V208 can store a total of 120 units of 400ml blood bags.

Features

- Fast pull down:Real forced air cooling system.
- Temp. simulation box:Accurately detect the temperature of blood.
- Suction circulation system:Big fans for better temp uniformity.
- Universal castor wheels:Proven heavy-duty lockable castors.
- Lockable doors:Standard lock for door.
- High-quality Stainless Steel:Corrosion resistant.
- Precise temp. Control:Temp. fluctuation is controlled at 4±0.5℃.
- 5 types of alarm:Audible and visual alarms.
- Variable space:Adjustable shelves and baskets.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- Suction fan
- Temp. sensor box
- Lockable castors
- Printer
- Access port
- Acrylic inner doors
- Detachable Baskets
- Lock and key
- Heating foamed glass door
- High/low temp. alarm
- Door ajar alarm
- Power failure alarm
- Controller malfunction alarm

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R134a	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/Baskets	4/12	Sensor	NTC	Thermostat failure	Y
Temperature range	4±1℃	Display	Digital display	Controller malfunction	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Door Type	Heating foamed glass door	Internal material	Stainless steel	Remote alarm interface	Y
Access port QTY/Dia.	1/25mm			Backup battery for alarms	72 hrs

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz or 110V/60Hz	Package size(W*D*H)(mm)	618*723*1678	Inside Door	4
Power(W)	194W	Exterior size(W*D*H)(mm)	522*635*1550	USB port	Optional
Current(A)	1.31	Interior size(W*D*H)(mm)	432*462*978	Thermal printer	YES
Power consumption	2.31kWh/24h	Capacity(L/cu.ft)	208/7.34	Data logger	Optional
Compressor QTY	1 EMBRACO	NW./GW.(kg)	96/120	RS485/232 port	Optional

FSF-4V368 4℃ Blood Bank Refrigerator

FSF-4V368 Blood bank refrigerator (368 liter) is an essential piece of equipment in the immunohematology department and provides safe and convenient storage of whole blood, blood components (e.g.,blood cells, plasma), and reagents. It ensures freshness and integrity of blood and blood components. FSF-4V368 can store a total of 270 units of 400ml blood bags.

Features

- Fast pull down:Real forced air cooling system.
- Temp. simulation box:Accurately detect the temperature of blood.
- Suction circulation system:Big fans for better temp uniformity.
- Universal castor wheels:Proven heavy-duty lockable castors.
- Lockable doors:Built-in lock with key.
- High-quality Stainless Steel:Corrosion resistant.
- Precise temp. Control:Temp. fluctuation is controlled at 4±0.5℃.
- 7 types of alarm:Audible and visual alarms.
- Variable space:Adjustable shelves and baskets.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- Suction fan
- 2 sets of Temp. sensor box
- Lock and key
- Quick release
- Condenser filter
- Printer
- USB interface
- Access port
- Detachable Baskets
- Lockable castors
- Leveling feet
- Heating foamed glass door
- High/low temp. Alarm
- Door ajar alarm
- Power failure alarm
- Controller malfunction alarm
- Acrylic inner doors

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R134a	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/Baskets	6/30	Sensor	NTC	Thermostat failure/sensor error	Y
Temperature range	4±1℃	Display	Digital display	Backup battery malfunction	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Access port QTY/Dia.	1/25mm	Internal material	Stainless steel	High ambient temperature	Y
Door Type	Heating foamed glass door	Bloodbags(400ml)	270 bags	Condenser clean	Y
Inside Door	6			Backup battery for alarms	24 hrs

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50Hz/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	860*655*1980	USB port	YES
Power (W)	355	Exterior size(W*D*H)(mm)	785*565*1920	Remote alarm port	YES
Current (A)	2.31	Interior size(W*D*H)(mm)	685*429*1380	RS485 Port	Optional
Power consumption	4.69 kWh/24h	NW./GW.(kg)	128/135	Temperature data logger	Optional
Compressor QTY	1 EMBRACO	Capacity (L/cu.ft)	368/12.98	Temperature chart recorder	Optional

FSF-4V658 4℃ Blood Bank Refrigerator

FSF-4V658 Blood bank refrigerator (658 liter) is an essential piece of equipment in the immunohematology department and provides safe and convenient storage of whole blood, blood components (e.g.,blood cells, plasma), and reagents. It ensures freshness and integrity of blood and blood components. FSF-4V658 can store a total of 324 units of 400ml blood bags.

Features

- Fast pull down:Real forced air cooling system.
- Temp. simulation box:Accurately detect the temperature of blood.
- Suction circulation system:Big fans for better temp uniformity.
- Universal castor wheels:Proven heavy-duty lockable castors.
- Lockable doors:Standard 2 locks with keys for 2 doors.
- High-quality Stainless Steel:Corrosion resistant.
- Precise temp. Control:Temp. fluctuation is controlled at 4±0.5℃.
- 5 types of alarm:Audible and visual alarms.
- Variable space:Adjustable shelves and baskets.
- Eco-friendly:CFC-free refrigerant and energy-saving.



Structure

- High-precision control system
- Suction fans
- Detachable Baskets
- Self closing heating foamed glass door
- Lock and key
- Printer
- 2 sets of Temp. sensor box
- Acrylic inner doors
- Castors with brake
- High/low temp. alarm
- Door ajar alarm
- Power failure alarm
- Controller malfunction alarm
- Access port

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Shelf/Baskets	12/36	Sensor	NTC	Thermostat failure	Y
Temperature range	4±1℃	Display	Digital display	Controller malfunction	Y
Ambient temperature	10~32℃	External material	SPCC sprayed steel	Door ajar	Y
Door Type	Heating foamed glass door	Internal material	stainless steel	Remote alarm interface	Y
Inside Door	6	Capacity(L/cu.ft)	658/23.23	Backup battery for alarms	72 hrs

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz ; 110V 60Hz	Package size(W*D*H)(mm)	1325*745*2120	USB port	Optional
Power(W)	391	Exterior size(W*D*H)(mm)	1220*635*1885	Access port QTY/Dia.	1/25mm
Current(A)	2.12	Interior size(W*D*H)(mm)	1100*454*1325	Temperature data logger	Optional
Power consumption	5.77 kWh/24h	NW./GW.(kg)	202/257	Temperature chart recorder	Optional
Compressor QTY	1 SECOP	Bloodbags(400ml)	324 bags	RS485/232 port	Optional

FSF-4V1008 4℃ Blood Bank Refrigerator

FSF-4V1008 Blood bank refrigerator (1008 liter) is an essential piece of equipment in the immunohematology department and provides safe and convenient storage of whole blood, blood components (e.g.,blood cells, plasma), and reagents. It ensures freshness and integrity of blood and blood components. FSF-4V1008 can store a total of 540 units of 400ml blood bags.



Features

- Fast pull down:Real forced air cooling system.
- Temp. simulation box:Accurately detect the temperature of blood.
- Suction circulation system:Big fans for better temp uniformity.
- Universal castor wheels:Proven heavy-duty lockable castors.
- Lockable doors:Standard 2 locks with keys for 2 doors.
- High-quality Stainless Steel:Corrosion resistant.
- Precise temp. Control:Temp. fluctuation is controlled at 4±0.5℃.
- 5 types of alarm:Audible and visual alarms.
- Variable space:Adjustable shelves and baskets.
- Eco-friendly:CFC-free refrigerant and energy-saving.

Structure

- High-precision control system
- Suction fans
- SS drawers
- Self closing heating foamed glass door
- Lock and key
- Printer
- Acrylic inner doors
- Access port
- 2 sets of Temp. sensor box
- Castors with brake
- High/low temp. Alarm
- Door ajar alarm
- Power failure alarm
- Controller malfunction alarm

Technical Parameter

Performance		Refrigeration System		Alarms	
Cooling method	Forced Air Cooling			High/low temperature	Y
Defrost	Auto	Temp. controller	Microprocessor	Power failure	Y
Temperature range	4±1℃	Sensor	NTC	Thermostat failure	Y
Ambient temperature	10~32℃	Display	Digital display	Controller malfunction	Y
Bloodbags(400ml)	540	Refrigerant	R290	Door ajar	Y
Inside Door	6	Internal material	Stainless steel	Remote alarm interface	Y
Drawers	12 SS drawers	External material	SPCC sprayed steel	Backup battery for alarms	72 hrs

Electrical Data		Dimensions		Other	
Voltage frequency	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	1330*980*2130	Door Type	Heating foamed glass door
Power(W)	415	Exterior size(W*D*H)(mm)	1220×865×1885	Access port QTY/Dia.	1/25mm
Current(A)	2.25	Interior size(W*D*H)(mm)	1100*684*1325	USB Port	Optional
Power consumption	6.01 kWh/24h	Capacity(L/cu.ft)	1008/35.6	Data logger	Optional
Compressor QTY	1 SECOP	NW./GW.(kg)	265/335	Chart Recorder	Optional

FSF-40V528 -40℃ Biomedical Freezer

FSF-40V528 Medical Deep Freezer (-20℃ ~ -40℃) is widely used in hospitals, blood stations and laboratories. The product has double chamber, double display, double control system, two chambers can be independently adjustable in temperature.sets of individual compressor and refrigeration system. Both chambers can be independently adjustable in temperature.

Features

- Imported brand compressors : Double cooling system, double chamber.
- Fast pull down.
- Coil evaporator : Better performance, easy maintenance.
- Thick PURF insulation : Better insulation performance.
- Lockable doors : Standard locks & padlocks.
- Large LED displays : Easy to observe and operate, built-in USB.
- Precise temp. Control : Temp. control accurate to 0.1℃.
- 7 types of alarm : Audible and visual alarms.
- Variable space : Adjustable shelves and drawers.
- Eco-friendly : CFC-free refrigerant and energy-saving.



Structure

- Individual LED display for each chamber
- Upper Key & lock
- Ergonomic handles
- Padlock hole
- Bottom Key & lock
- Universal castors
- Individual control system for each chamber
- High density PURF foaming doors
- Easy clean filter
- 2 compressors
- 2 cooling systems
- Leveling feet
- Pressure relief access
- 18 drawers frost-resistant plastic
- Built-in USB port
- Access ports

Technical Parameter

Performace		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R290	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-20℃~-40℃	Sensor	NTC	Sensor error	Y
Ambient temperature	10~32℃	Compressor brand/QTY	CUBIGEL/2	Controller failure	Y
Display	LED digital display	Insulation	PURF	High ambient temperature	Y
Access port QTY/Dia.	2/25mm	Door/QTY	2	Low battery	Y
USB Intereface	Yes/1	Shelf	4	Door ajar	Y
Outside material	Spray coated steel	Drawer QTY	18	Power failure alarm(For controller)	8H
Inside material	Spray coated steel				

Electrical Data		Dimensions		Accessories	
Voltage frequency	220V 50/60Hz; 110V/60Hz	Package size(W*D*H)(mm)	930*975*2020	Remote alarm Access	Y
Power(W)	452W	Exterior size(W*D*H)(mm)	900*818*1875	Data logger	Optional
Current(A)	3.2A	Interior size(W*D*H)(mm)	(651*631.5*635)*2	Chart recorder	Optional
Power consumption	6.89 Wh/24h	Capacity(L/cu.ft)	528/18.64	Gloves	Optional
Noise(db)	55	N.W/G.W(kg)	160/209	RS232/485 port	Optional

FSF-150H128 -150℃ Cryogenic Chest Freezer

-150℃ Cryo-freezer provides a safe, convenient and economical alternative long term storage solution for customers. Cryopreservation refers to the storage of a living organism, cell or tissue at ultra-low temperatures such that it can be restored to the same viable state as before it was frozen. Storage for an indefinite amount of time requires samples to be maintained below the glass transition temperature of aqueous solutions, approximately -130°C, the temperature at which frozen water no longer sublimes and recrystallizes.

Features

- Super-cooling Technology : Unique refrigeration technology, super fast cooling to -150°℃ in only 231 minutes
- Super-stable Fluctuation : Precise temperature control provides stable templerature fluctuation between -148.3℃ and-151.6°C in the chamber.
- Excellent Insulations & Sealings
- 7 inch Color LCD touch screen : Real time display and temperature graphs
- 7 types of alarms : Audible and visual alarms
- Ultimate electrical safety : Ensuring safer operation for users
- Reliable monitoring system : Real-time monitoring for protecting your samples
- Efficient cooling system : CFC-free refrigerarant but without flammable components



Structure

- Aluminium handle
- Multi-layer gaskets for lid sealings
- Additional inner lid for better sealings
- Quick release condenser filter
- Power switch
- USB interface
- 7" Color LCD touch screen
- Mechanical pressure gauges
- Remote alarm conector
- Electrical safety
- 6 heavy duty castors
- Heavy duty floating hinges
- PT100 sensor
- Emergency shut-off button

Technical Parameter

Performace		Refrigeration System		Alarms	
Cooling type	Direct Cooling	Refrigerant	R4001(mixed gas)	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Abnormal voltage	Y
Temperature range	-40℃～-150℃	System	Auto-cascade	Sensor error	Y
Ambient temperature	10~30℃	Sensor	PT100	Filter screen check	Y
Display	7 inch LCD touch screen	Compressor brand/QTY	TECUMSEH/1	Thermostat failure	Y
Access port QTY/Dia.	1/25mm	Insulation	PURF	Condenser clean	Y
USB Intereface	Yes/1	Internal material	Foamed stainless steel	High ambient temperature	Y
Remote alarm Access	YES	Racks	9pcs 10*1		
Outside material	Color sprayed steel	Boxes (2 Inches)	90		
Inside material	stainless steel	Samples(2ml)	9000		
Castor	6 casters				

Electrical Data		Dimensions		Accessories	
Voltage frequency(V/Hz)	220V/50Hz	Package size(W*D*H)(mm)	1640*975*1380	Racks&box	Optional
Power(W)	2550W	Exterior size(W*D*H)(mm)	1560*957*1178	Data logger	Optional
Current(A)	14.2A	Interior size(W*D*H)(mm)	500*450*578	CO2 back up system	N/A
Power consumption	38kWh/24h	Capacity(L/cu.ft)	128/4.5	LN2 back up system	Optional
Noise(db)	54	N.W/G.W(kg)	245/340	Gloves	Optional