

## -86°C SUPER FREEZER SOFUPSF-340 AC

### INTERNAL FEATURES



**Stepped door frame design**  
Reduce cold air leakage and ice buildup

**Keep the cold inside**  
Advanced internal VIP panels flexible and efficient silicone sealings firmly lock the cold air inside.

**Access port**  
For extra monitoring device

**Enhanced shelf design**  
SS shelf supports 50kg

**Lock the cold air**  
Inner door closing pressure can be adjusted by the handle

**Heavy duty hinges**  
Garantee 10 years of door body without deformation

**Door frame heating**  
Effectively prevents ice buildup

**Compartment doors**  
Stainless steel and 27mm thick PU foam-filled inner doors for better insulation

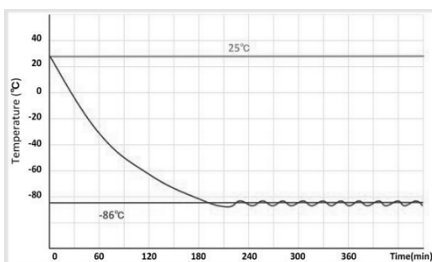
**Complete SS chamber**  
Robust stainless steel body for high sample safety and easy cleaning

**Vaccum release port**  
For quick re-access to samples

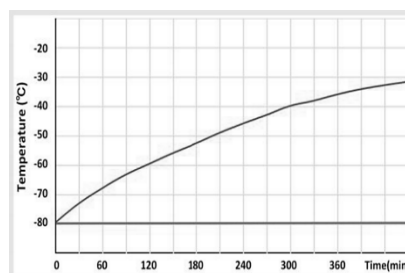
**Inner door gaskets**  
Low temp. resistance flexible silicone sealings recude cold leakage

**Detachable design**  
Inner doors can be easy removal and cleaning

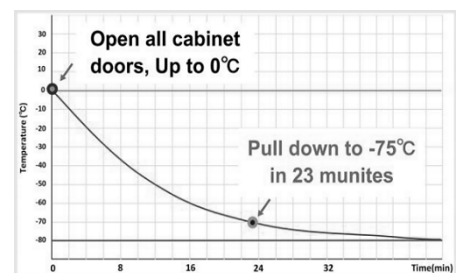
### TYPICAL PERFORMANCE CHARACTERISTICS IN 25°C AMBIENT



Pull down times.



Warm up times.



Perfect recovery time.

# SPECIFICATIONS

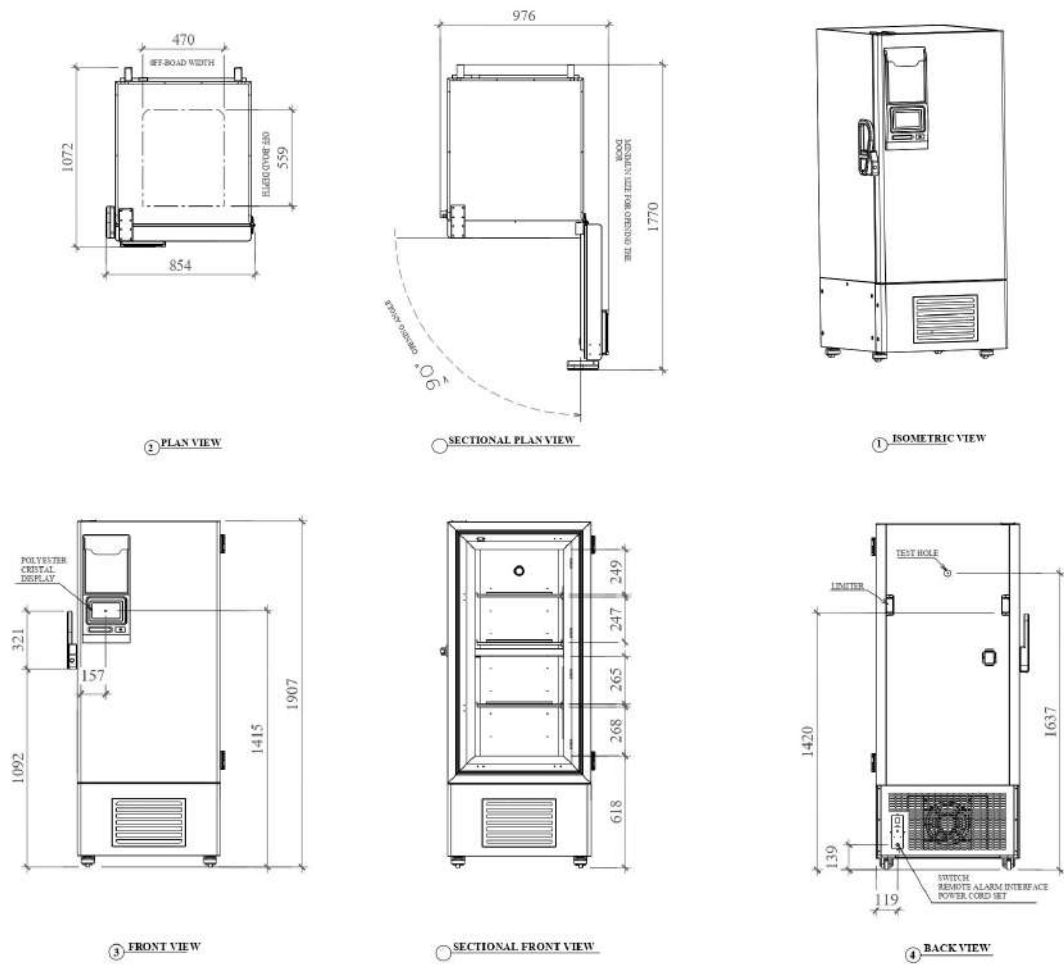
BASIC	
Stainless Steel Shelves Quantity	3
Cooling Method	Direct Cooling
Defrost	Manual
Temperature Range (°C)	-40~-86
Ambient temperature (°C)	10~32
Display	LED Digital
Access port QTY/ Diameter	1 / 25MM
USB Interface	Yes/I
Remote Alarm Access	Yes/I
Outside Material	Color sprayed steel
Inside Material	304 Stainless Steel
Castor Wheels	Included
Compartment Door	2
RS485 Access	Yes/I
REFRIGERATION SYSTEM	
Refrigerant	R4001(mixed gas)
Temperature Controller	Microprocessor
Cooling System	Auto-cascade
Sensor	PTC 100
Pull down time *(min)	224
Warm up time *(min)	205
Compressor brand/ QTY	SECOP / 2
Capacity (L/cu.ft)	340 / 12
Insulation	Vacuum Insulation Panel + Polyurethane Rigid Foam
Inner Door material/ Quality	Foamed SS 304/2
Racks	12(4x4)
Boxes (2inches)	192
Sample (2ml)	19200
ELECTRICAL DATA	
Voltage/ Frequency (V/Hz)	220V / 50Hz or 60Hz
Power (W)	810
Current (A)	5.13A
Power Consumption (kWh/24h)	13.09
Noise (db)	52
DIMENSIONS	
Package Size (WxDxH) mm	935 x 1070 x 2128
Exterior Size (WxDxH) mm	854 x 1072 x 1907
Interior Size (WxDxH) mm	488 x 607 x 1140
Shipping CBM	2.13
NW./GW/ (kg)	224.5/284.5
20GP/40GP/40HQ	12/24/24
ACCESSORIES	
Chart Recorder	Optional
Data Logger	Optional
CO2 Back Up System	Optional
LN2 Back UP System	Optional
ALARMS	
High / Low Temperature	
Power Failure	
Abnormal Voltage	
Sensor Error	
Filter Screen Check	
Thermostat Failure	
Low Battery	
Condenser Cleaning	
High Ambient Temperature	
Power failure backup system(alarm): 72hrs	

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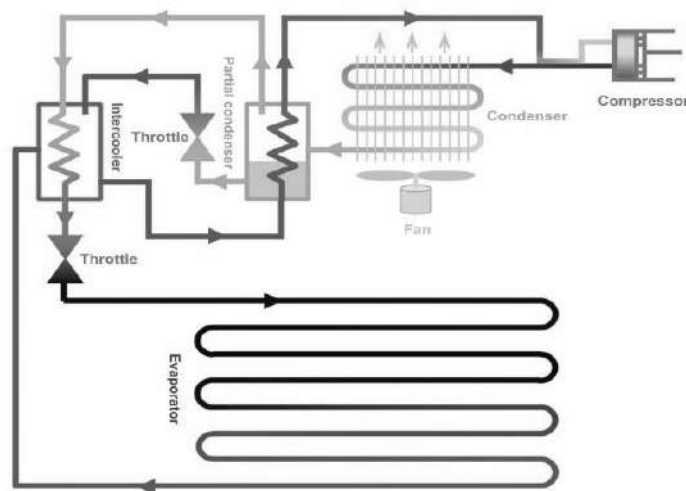


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# SHOP DRAWING



## AUTO-CASCADE SYSTEM EXCHANGE CIRCULATION



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