

-86°C

Ultra-low Freezer

QuickCool Series

Model:



Applications

The -86°C ultra-low temperature freezers are designed for the long-term preservation of viruses, germs, vaccines, biological tissues and organs, special food, medicines, reagents, etc.

Features

- Accurate temperature controller, setting temperature range is -40 to -86°C, accuracy is 0.1 °C.
- Suggested ambient temperature: +10 to 32°C.
- Stainless steel inner chamber for friendly use and easy cleaning.
- Brand compressor to ensure excellent stability of the cooling system.
- Patented refrigeration technology, high-efficiency mixed gas for the cooling system.

Security

- Safety door lock to prevent unauthorized access.
- Visual and audible alarm system: High/low temperature, sensor failure, controller error.
- Power failure protection: turn-on delay of the cooling system after power failure.
- Controller error protection: the cooling system will remember the normal working cycle and keep working depending on this memory when the controller or two sensors failed.

Humanized design

- Casters with stoppers for easy moving and fixation.
- Special-designed service-free drainage system.



Specifications

Model NO.	
Main Specifications	
Temperature Range	-40 ~ -86 °C
Ambient Temperature	10~32°C
Capacity (L/Cu. Ft.)	505 / 17.83
Interior Dimensions (W×D×H) mm	1450×600×690
Exterior Dimensions (W×D×H) mm	1554×904×950
Weight	146 kgs
Noise	54 dB
Control and Power	
Controller	Microprocessor
Display	Digital
Sensor	PTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	500 W
Electric Current	2.48 A
Power Consumption (kWh/24h)	8.2
Audible and Visual Alarms	
High / Low Temp. Alarm	Yes
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Power Failure Alarm	Optional
Refrigeration	
Refrigeration Type	Direct Cooling
Defrost	Manual
Compressor (Brand/pcs)	SECOP / 1
Refrigerant / Weight (kgs)	R4001 / 350g
Cabinet	
Door (pcs)	Foamed Solid Door / 1
Interior Cabinet Material	Stainless Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	PURF (δ100mm)
Door Lock	Yes
Test Hole (pcs)	1
Castors (pcs)	4
Accessories	
Remote Alarm Port	Optional
Temperature Datalogger	Optional
Protective Gloves	Optional
Basket (pcs)	Optional
Shipping	
Package	Carton box with pallet
Shipping Weight	177 kgs
Shipping Size (W×D×H)	1660×984×1130
Shipping Volume	1.85 CBM

* Due to continuous product upgrades, the above specifications are for reference only. For the latest specifications, please contact us.