

**-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.	
<b>Main Specifications</b>	
Temperature Range	-40 ~ -86 °C
Ambient Temperature	10~32°C
Capacity (L/Cu. Ft.)	305 / 10.77
Interior Dimensions (W×D×H) mm	1190×448×640
Exterior Dimensions (W×D×H) mm	1394×752×900
Weight	115 kgs
Noise	53 dB
<b>Control and Power</b>	
Controller	Microprocessor
Display	Digital
Sensor	PTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	460 W
Electric Current	2.09 A
Power Consumption (kWh/24h)	7.6
<b>Audible and Visual Alarms</b>	
High / Low Temp. Alarm	Yes
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Power Failure Alarm	Optional
<b>Refrigeration</b>	
Refrigeration Type	Direct Cooling
Defrost	Manual
Compressor (Brand/pcs)	SECOP / 1
Refrigerant / Weight (kgs)	R4001 / 270g
<b>Cabinet</b>	
Door (pcs)	Foamed Solid Door / 1
Interior Cabinet Material	304 Stainless Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	PURF (δ100mm)
Door Lock	Yes
Test Hole (pcs)	1
Castors (pcs)	4
<b>Accessories</b>	
Remote Alarm Port	Optional
Temperature Datalogger	Optional
Protective Gloves	Optional
Basket (pcs)	Optional
<b>Shipping</b>	
Package	Carton box with pallet
Shipping Weight	142 kgs
Shipping Size (W×D×H)	1500×830×1080
Shipping Volume	1.34 CBM

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