

-86°C

Ultra-low Freezer

QuickCool Pro 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

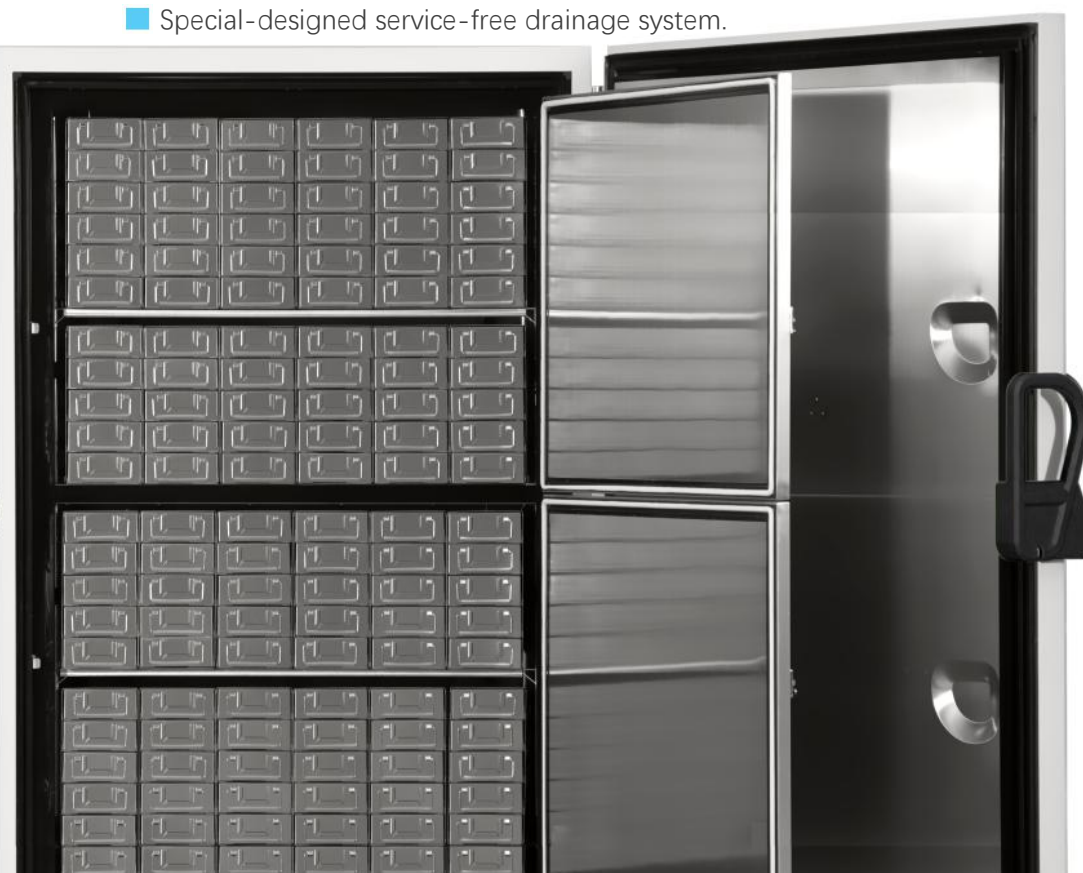
- Accurate temperature controller, setting temperature range of -40 to -86°C
- 7-inch touch screen display, accuracy of 0.1 °C.
- Suggested ambient temperature: +10 to 32°C.
- Stainless steel inner chamber for friendly use and easy cleaning.
- Brand compressor to ensure excellent stability of the cooling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

Security

- Safety door lock to prevent unauthorized access.
- 72h built-in backup battery to power the controller and save temp. data when power failure or system error.
- Visual and audible alarm system: High/low temperature, sensor failure, controller error, etc.
- 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

- Adjustable shelves for easy storage.
- 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.) | 728 / 25.71 |
| Noise | 53 dB |
| Cold Rack Max. Loading Capacity (pcs) | 254D Rack / 18, 264D Rack / 6 |
| 2' Cold Box Max. Loading Capacity (pcs) | 504 |
| 0.5~2ml Vials Max. Loading Capacity (pcs) | 50,400 |
| Control and Power | |
| Controller / Display | Microprocessor / 7" Touch Screen |
| Sensor | PTC |
| Voltage and Frequency | 220V±10%, 50Hz |
| Power | 1400 W |
| Electric Current | 10.37 A |
| Power Consumption (kWh/24h) | 23.44 |
| Audible and Visual Alarms | |
| High / Low Temp. Alarm | Yes |
| Power Failure Alarm | Yes, 72h |
| Sensor Error Alarm | Yes |
| Controller Error Alarm | Yes |
| Door Ajar Alarm | Yes |
| Abnormal Voltage Alarm | Yes |
| Abnormal Ambient Temp. Alarm | Yes |
| Battery Error Alarm | Yes |
| Condenser Error / Filter Net Clean Alarm | Yes |
| Refrigeration | |
| Refrigeration / Defrost Type | Direct Cooling / Manual |
| Compressor (Brand/pcs) | SECOP / 2 |
| Refrigerant / Weight (kgs) | R4001 / 370g |
| Cabinet | |
| External / Internal Door (pcs) | Foamed Solid Door x 1 / Foamed Solid Door x 2 |
| Adjustable Shelf (pcs) | 3 |
| Exterior / Interior Cabinet Material | Coated Steel / Stainless Steel |
| Insulation Material | PURF (δ100mm) and Vacuum Insulation Panel (VIP) |
| Door Lock | Yes |
| Test Hole (pcs) | 2 |
| Castors (pcs) | 4 |
| Accessories | |
| USB Data Download Port | Yes |
| Remote Alarm Port | Yes |
| RS485 Port | Yes |
| Temperature Datalogger | Optional |
| Temperature Printer | Optional |
| Temperature Chart Recorder | Optional |
| Protective Gloves | Optional |
| LN2/CO2 Backup System | Optional |
| Dimensions | |
| Interior Dimensions (W×D×H) | 963×571×1350 mm |
| Exterior Dimensions (W×D×H) | 1248×975×1995 mm |
| Packing Dimensions (W×D×H) | 1330×1020×2200 mm |
| Net / Gross Weight | 316 / 392 kgs |
| Package | Plywood box with pallet |

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