



-150°C CRYOGENIC FREEZER BFCG-150-102

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Accurate temperature controller, setting temperature range is -40 ~ -150°C, accuracy 0.1 °C.

Suggested ambient temperature: +10~30°C.

Insulated inner door to ensure good temperature uniformity.

Stainless steel inner chamber for friendly use and easy cleaning.

Tecumseh 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.

SPECIFICATIONS

| | |
|---|----------------------------------|
| Model | BFCG-150-102 |
| Temperature Range | -40 ~ -150°C |
| Ambient Temperature | 10~30°C |
| Capacity (L/Cu.Ft.) | 128 / 4.52 |
| Interior Dimensions (WxDxH) mm | 500x450x578 |
| Exterior Dimensions (WxDxH) mm | 1560x957x1173 |
| Weight | 245 kgs |
| Noise | 54 dB |
| Cold Rack Max. Loading Capacity (pcs) | 291U Rack / 9 |
| 2" Cold Box Max. Loading Capacity (pcs) | 90 |
| 0.5/2ml Vials Max. Loading Capacity (pcs) | 9,000 |
| Controller / Display | Microprocessor / 7" Touch Screen |
| Sensor | PT100 |
| Voltage and Frequency | 220V±10%, 50Hz |
| Power | 2550 W |
| Electric Current | 14.2 A |
| Power Consumption (kWh/24h) | 38 |
| High / Low Temp. Alarm | Yes |
| Sensor Error Alarm | Yes |
| Controller Error Alarm | Yes |
| Abnormal Voltage Alarm | Yes |
| Abnormal Ambient Temp. Alarm | Yes |
| Condenser Error Alarm | Yes |
| Refrigeration Type | Direct Cooling |
| Defrost | Manual |
| Compressor (Brand/pcs) | TECUMSEH / 1 |
| Refrigerant / Weight | R5001 / 2015g |
| Door (pcs) | Foamed Solid Door / 1 |
| Inner Door (pcs) | XPS Plate / 1 |
| Exterior/Interior Cabinet Material | Coated Steel / Stainless Steel |
| Insulation Material | PURF (δ200mm) |
| Door Lock | Optional |
| Test Hole (pcs) | 1 |

| | |
|--|--------------------------|
| Castors (pcs) | 6 |
| USB Data Download Port | Yes |
| Remote Alarm Port | Yes |
| RS485 Port | Optional |
| Temperature Datalogger | Optional |
| Temperature Chart Recorder | Optional |
| Protective Gloves | Optional |
| LN2/CO2 Backup System / LN2 Filling Tank | Optional |
| Package | Plywood box with pallet |
| Shipping Weight | 340 kgs |
| Shipping Size (WxDxH) | 1637x970x1383 |
| Shipping Volume | 2.2 CBM |
| Alt Name | -150°C Cryogenic Freezer |



FEATURES

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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

Castors with stoppers for easy moving and fixation.

Special-designed service-free drainage system.

Optional parts

Test hole, Chart recorder, Data logger, Cold storage racks and boxes.

APPLICATIONS

The -150°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.



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