

-40°C Ultra-low Temperature Freezer

Compressor Supplied by a Famous International Brand
One-key Fast Cooling



BL-FW270

Refrigeration System

- The Freon-free refrigerant, compressor supplied by an international famous brand and EBM fan can guarantee fast cooling and are energy-saving and environmentally friendly ;
- The CFC-free Polyurethane foaming technology can ensure great thermal insulation performance.

Temperature Control System

The high-precision microcomputer temperature control system and platinum resist or temperature sensors ensure more precise temperature control.

Human-oriented Design

- The high-quality steel plate structure, corrosion-resistant phosphate coating and stainless steel liner are low temperature tolerant and corrosion-resistant. ;
- The low noise design can create a comfortable work environment.





Temperature Control System

- High precision microcomputer temperature control, more accurate ;
- Chamber temperature can be set within a range from -20 to -40°C ;
- High-precision microcomputer temperature control system and platinum resistor temperature sensors ensure more precise temperature control.



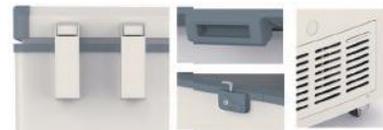
Refrigeration System

- HCFC-free refrigerant, compressor supplied by Secop (previously Danfoss) and EBM fan can guarantee fast cooling and are energy-saving and environmentally friendly ;
- CFC free polyurethane foaming technology, perfect insulation performance. Hot gas surrounding line to prevent from condensation.



Security System

- The start delay and stopping interval protection function can ensure reliable operation ;
- The well-developed security system with multiple audible & visual alarm function : sensor failure alarm, high & low temperature alarm, power failure alarm, low battery alarm, condenser overheated alarm to ensure the safety sample storage ;
- Door with key lock to prevent opening without permission.
- 72 hours back-up battery for display and alarms system during power failure for supportive safety notification.



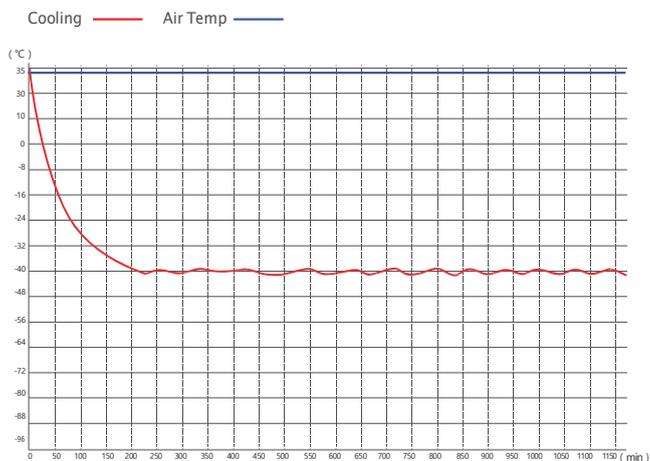
Human-oriented

- The design of upward door opening and the balancing door hinge facilitate door opening ;
- High quality phosphate steel structural coating, stainless steel lining and easy cleaning, low noise design, 4 universal casters for easy movement, equipped with door locks to ensure sample safety.

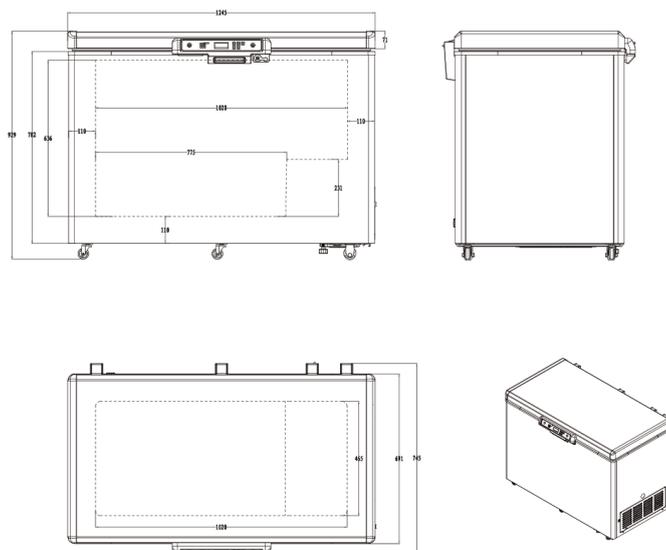
✓ Scope of Application

Suitable for use in blood banks, hospitals, health and disease prevention systems, research institutions, colleges & universities, the electronic industry, biological engineering, laboratories in colleges & universities, military enterprises, deep-sea fishing companies, etc.

🔗 Performance Data / Cooling Curve



📏 External Dimensions



Specification Chart

-40°C Ultra-low Temperature Freezer	
Model	BL-FW270
Cabinet Type	Chest
Capacity(L)	270
Internal Size(W*D*H)mm	1019*465*651
External Size(W*D*H)mm	1245*775*929
Package Size(W*D*H)mm	1332*810*975
NW/GW(Kgs)	77/85
Performance	
Temperature Range	-20~-40°C
Ambient Temperature	16-32°C
Cooling Performance	-40°C
Climate Class	N
Controller	Microprocessor
Display	Digital display
Refrigeration	
Compressor	1pc
Cooling Method	Direct cooling
Defrost Mode	Manual
Refrigerant	R290
Insulation Thickness(mm)	110
Construction	
External Material	Spray cold rolled steel plate
Inner Material	Stainless steel
Coated Hanging Basket	1
Door Lock with Key	Yes
Foaming Lid	Optional
Access Port	1pcs. Ø 25mm
Casters	4
Data Logging/Interval/Recording Time	USB/Record every 10 minute / 2 years
Door with Heater	Hot gas heating
Alarm	
Temperature	High/Low temperature
Electrical	Power failure, low battery
System	Sensor failure
Electrical	
Power Supply(V/HZ)	220/50
Power(W)	250
Power Consumption(KWh/24h)	3.1
Rated Current(A)	1.44