

4°C Blood Bank Refrigerator

Super High Quality

Precise Temperature Control

Safeguarding Security of Blood



BL-618L



Constant Temperature under Intelligent Control

- Return air duct design, ensuring a temperature control accuracy at 0.1°C inside the cabinet;
- High-precision computerized temperature control system, built-in sensors for upper/lower zone temperature, ambient temperature, evaporator temperature, and operation control, ensuring safe and stable operation.



Security System

Perfect audible and visual alarm system comes with alarm functions for high temperature, low temperature, sensor fault, door opening, and power failure.



High-efficiency Refrigeration

- Advanced air cooling design, precision temperature control, safeguarding security of blood
- Stainless steel inner container, copper tube evaporator, powerful refrigeration



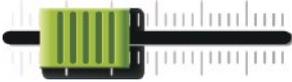
Precise Temperature Control

1-inch high-brightness digital temperature display, allowing to set the temperature precision of $\pm 1^{\circ}\text{C}$ inside the cabinet, and the precision of temperature display accuracy at 0.1°C



Refrigeration System

- Equipped with brand high-efficient compressor, EBM fan motor, performing efficient energy and quiet.
- High-precision computerized temperature control system, built-in sensors for upper/lower zone temperature, ambient temperature, evaporator temperature, and operation control, ensuring safe and stable operation.



Power Management

- Equipped with power management module, optimized energy saving;
- High-precision voltage control, stabilizing the voltage and refrigerator performance
- Reduce the redundancy heat, completely eradicate overheating risk



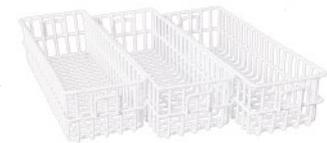
Automatic Defrost

- Return air duct design, ensuring a temperature control precision of $\pm 1^{\circ}\text{C}$ inside the cabinet;
- Equipped with automatic defrost function, force defrost
- Optional PVC transparent inner door.



Alarm System

- Perfect audible and visual alarm system comes with alarm function for high temperature, low temperature, sensor fault, door open, and power off.



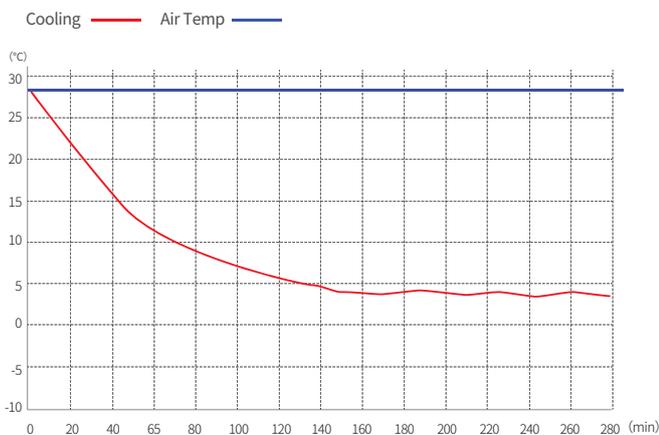
Human-oriented

- Equipped with 6 dip-coating shelves with label strips (Stainless steel pull-out racks are optional)
- 24 dip-coating blood bag frames, can hold 360 blood bags in 400ml for each.

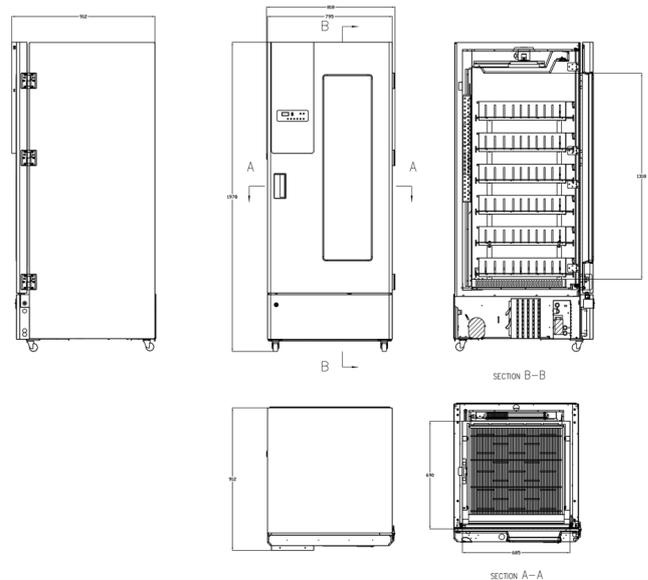
✓ Scope of Application

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

4°C Blood Bank Refrigerator	
Model	BL-618L
Cabinet Type	Upright
Capacity(L)	618
Internal Size(W*D*H)mm	685*690*1318
External Size(W*D*H)mm	818*912*1978
Package Size(W*D*H)mm	898*1032*2153
Net Weight(Kgs)	179
Performance	
Temperature Setting	2~6°C
Ambient Temperature	16-32°C
Climate Class	N
Controller	Microprocessor
Display	Digital display
Refrigeration	
Compressor	1pc
Cooling Method	Air cooling
Defrost Mode	Automatic
Refrigerant	R290
Insulation Thickness(mm)	55
Construction	
External Material	Powder coated material
Inner Material	Aluminum plate with spraying (optional Stainless steel)
Shelves	6(coated steel wired shelf)
Door Lock with key	Yes
Blood Basket	24
Access Port	1pc. Ø 25 mm
Casters	4 (2 caster with brake)
Data Logging/Interval/Recording Time	USB/Record every 10 minute / 2 years
Backup Battery	Yes
Standard	Remote alarm contact,RS485
Alarm	
Temperature	High/Low temperature,
Electrical	Power failure , Low battery
System	Sensor error,Door ajar,Condenser cooling failure,Built-in datalogger USB failure
Electrical	
Power Supply(V/HZ)	220/50
Rated Power(W)	465
Input Power(W)	689
Power Consumption(KWh/24h)	4.99
Rated Current(A)	3.13
Options Accessory	
System	Printer