

Blood Storage Refrigerator

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For safe and reliable storage of Blood Products at +4°C, optimum range of Blood Bank Refrigerators are designed for small, medium and large blood centers.

Double pane Toughened, anti fogging Glass door provides excellent exterior insulation. Unique design of forced air circulation ensures maximum temperature uniformity in each drawer and rapid recovery after doors are opened. The refrigerators are equipped with auto defrosting device.

Cabinet Construction:

Durable, corrosion resistant materials have been used for the refrigerators to provide years of reliable performance. Each unit has stainless steel drawer with rack partition, Perfect-Grip coordinated handles and fully extendable drawer slides. Individual internal plexi glass doors prevents temperature losses and facilitates easy identification and inventory management of blood bags. Unique design of Thermal Barrier makes the refrigerators highly energy efficient. The Refrigerators are fitted with lockable caster wheels and key lock.

Temperature Control System:

Microprocessor based integrated temperature monitoring system provide excellent temperature control and accuracy. Audio visual alarms ensure check on storage condition. The Refrigerators are fitted with 7 days circular temperature chart recorder.

Data Management (Available in ultra Models):

Temperature data can be maintained for up to 1000 records. Networking is possible with 30 refrigerated units to transfer data through LAN to a common PC for further analysis.

Variants:

BBR Base and Ultra Models are available with capacity to store 120 to 300 Bags to suit specific requirements of the Blood Centers.



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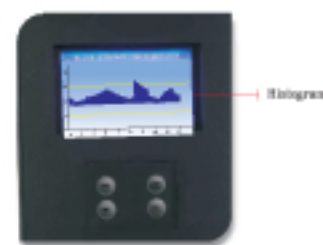
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Salient Features:

- Microprocessor controlled temperature controller
- User settable parameters like set point, low-high alarm point, buzzer off time etc.
- Dual temperature sensors
- Back up thermostat to avoid negative temperature
- Audio-visual alarm for High/Low temperature & low battery
- Auto alarm incase door stands open for over a minute
- 8 hours battery back up with deep drain protection

Additional Features of Ultra Models:

- Intelligent Controller helps maintaining temperature in case of sensor failure
- Automatic calibration
- Self diagnosis for error
- 4" LCD Screen, Large size Display for ease of reading
- Histogram format of 24 hours temperature recording
- Display of temperature in Centigrade/ Fahrenheit
- Power resumption & failure recorded with date & time
- High and low alarm points with date & time
- Data Logger for storage of upto 1000 records
- Networking & PC connectivity through RS 232
- USB port for Data transfer (optional)



Technical Specifications

	BR-120	BR-120 Ultra	BR-180	BR-180 Ultra	BR-240	BR-240 Ultra	BR-300	BR-300 Ultra
Temperature Control	Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Display	LED	4" LCD	LED	4" LCD	LED	4" LCD	LED	4" LCD
Internal Dimensions W x D x H (mm)	660 x 765 x 650		660 x 765 x 650		660 x 765 x 1050		660 x 765 x 1250	
External Dimensions W x D x H (mm)	800 x 945 x 1205		800 x 945 x 1435		800 x 945 x 1635		800 x 945 x 1835	
Capacity of Blood Bags	120		180		240		300	
Number of Drawers	2		3		4		5	
Drawer Capacity	Maximum 60 bags							
Temperature	Preset at 4°C ± 1°C							
Temperature Alarm	High 6°C & Low 2°C, Audio Visual Alarm							
Internal Body Material	Stainless Steel 304 (AISI Grade, Non Corrosive, Non Magnetic)							
External Body Material	Powder Coated CRCA Steel							
Insulation	70 mm minimum for Body & 80 mm for for Door, CFC free polyurethane foam							
Illumination	8 Watts Fluorescent Lamp							
Recorder	Seven Days Circular Chart Recorder							
Noise Level	Less Than 65 db(A)							
Battery Backup (Controller)	Ni-Cd, 12AH Rechargeable, Fully charged battery runs for more than eight hours							
Line Voltage Corrector	In built of suitable rating							
Power Failure Alarm	Audio Visual Alarm							
Electrical	220-240 volts, 50 Hz, SINGLE PHASE							

Specifications subject to change without notice