Blood Bank Refrigerators

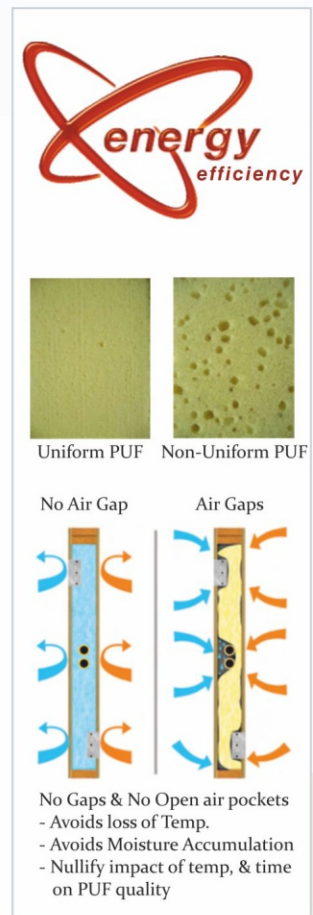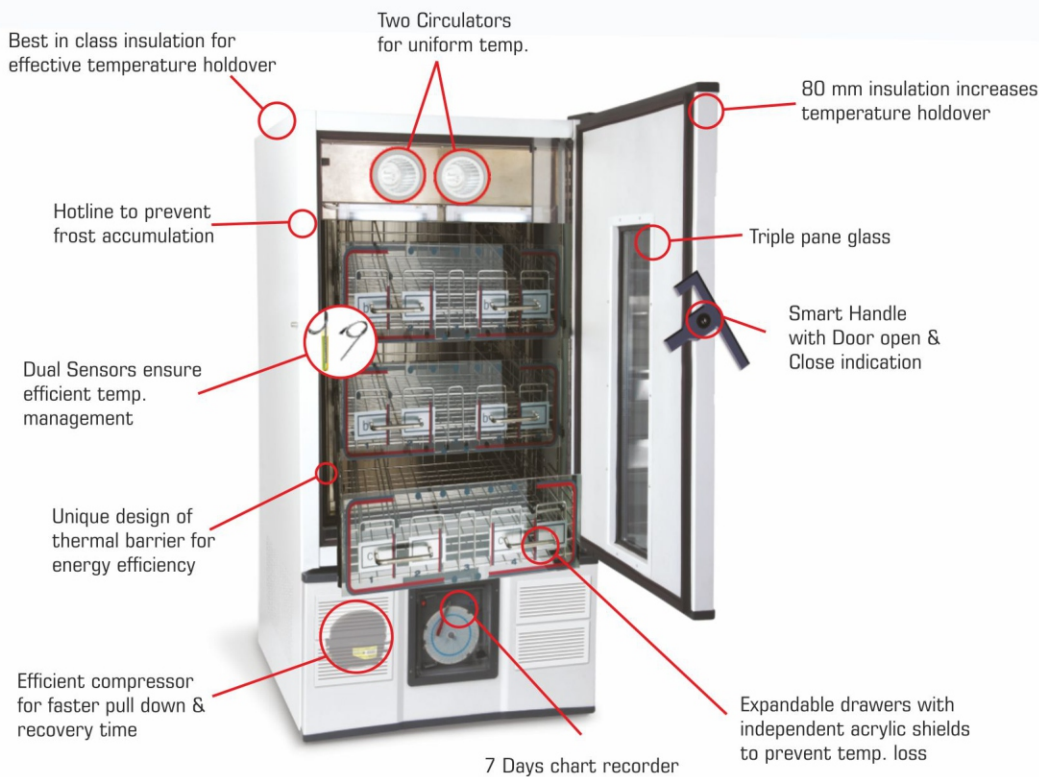The Complete Blood Banking Solution

Blood Bank Refrigerators

REMI Blood Storage Refrigerators are specially designed to meet the storage requirements of whole Blood & Packed Red cells.

Cabinet Construction: Durable, corrosion resistant materials are used to provide years of reliable performance. The outer body is made up of powder Coated CRCA Steel & internal cabinet of Stainless Steel 304 (AISI Grade, Non Corrosive and Non Magnetic). The unit is fitted with heavy duty castor wheels for ease of movement.

Temperature Control & Monitoring: Microprocessor integrated system provides excellent temperature accuracy. 7 days circular chart recorder & audio visual alarm system helps to indicate storage conditions continuously.

Variants: REMI Blood Storage Refrigerators are available as BR & BR Ultra variants. Both the variants available in different capacities ranging from 72 bags to 375 bags capacity. Also higher capacity variants available for blood centers handling larger volumes.

Best in class insulation for effective temperature holdover

Two Circulators for uniform temp.

80 mm insulation increases temperature holdover

Hotline to prevent frost accumulation

Triple pane glass

Smart Handle with Door open & Close indication

Dual Sensors ensure efficient temp. management

Unique design of thermal barrier for energy efficiency

Efficient compressor for faster pull down & recovery time

7 Days chart recorder

Expandable drawers with independent acrylic shields to prevent temp. loss

energy efficiency

Uniform PUF   Non-Uniform PUF

No Air Gap   Air Gaps

No Gaps & No Open air pockets
- Avoids loss of Temp.
- Avoids Moisture Accumulation
- Nullify impact of temp, & time on PUF quality

REMI Healthcare

The Complete Blood Banking Solution
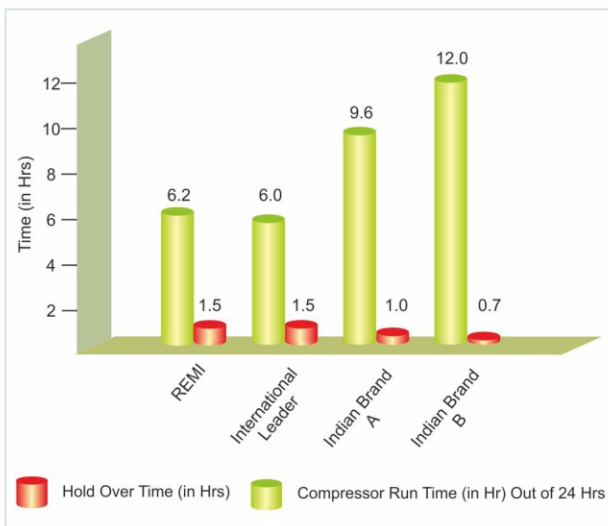
Blood Bank Refrigerators

Salient Features :

- Auto defrost mechanism to prevent frost formation
- Self-diagnosis & display of errors
- Safety thermostat for avoiding negative temperature
- Triple pane glass to prevent temperature loss
- Settable parameters for
  - Temperature set point
  - High / low temperature alarm point
  - Buzzer off time
- Audio / Visual alarms for
  - Temperature high / low
  - Power failure
  - Sensor open / Short
  - Door Open
  - Compressor on
  - Power on
- Compatibility with REMI XS for wireless data logging

7" Touch Screen
(in Ultra Model)

Compressor Functioning & Holdover Time
(Best in Class Insulation)

Bar chart – Time (in Hrs):
- REMI: 6.2 (Compressor Run Time), 1.5 (Hold Over Time)
- International Leader: 6.0, 1.5
- Indian Brand A: 9.6, 1.0
- Indian Brand B: 12.0, 0.7

Legend:
- Hold Over Time (in Hrs)
- Compressor Run Time (in Hr) Out of 24 Hrs

* Data on file

Touch Screen Display

- 7" Multicolored touch screen with user interface
- Displays temp, alarms, date & time
- Data logging with multiple option & transfer via Ethernet, USB port
- PLC (Programable logic controller) with internal memory of 1500 records
- Battery backup for display, alarms & off-line data logging
- Password protected settings for system control & notifications
- Onscreen access for data logs, temperature graph, system status, troubleshooting, etc.
- REMI 'Datasoft' software for generating various reports, SMS alerts & analysis (Optional)
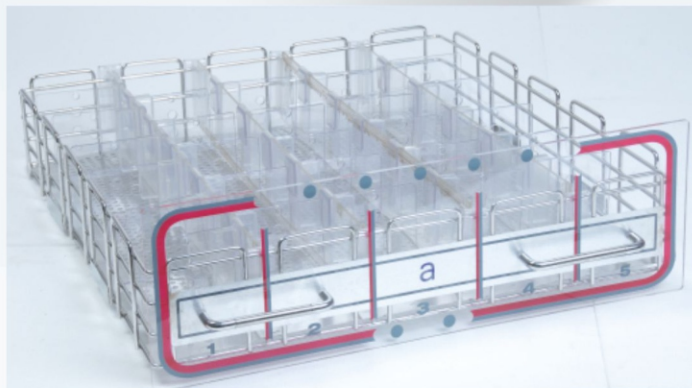
Blood Bank Refrigerators

- **Clever-Chip** (Ultra Model)
  - ➤ Provides crucial backup to maintain temperature in event of sensor failure

Smart Handle
- Door close with green light indication
- Key Lock
- Control inner light
- Door open with red light indication

Flexi-Storage (optional)
Modular acrylic partitions to store blood bags upright

Technical Specifications

Particulars	BR 50	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		Microprocessor	
Display	LED	LED	7" Touch Screen	LED	7" Touch Screen	LED	7" Touch Screen	LED	7" Touch Screen
Internal dimensions W x D x H (mm)	540 x 520 x 560	660 x 765 x 650		660 x 765 x 850		660 x 765 x 1050		660 x 765 x 1250	
External dimensions W x D x H (mm)	640 x 685 x 1185	800 x 945 x 1205		800 x 945 x 1435		800 x 945 x 1635		800 x 945 x 1835	
Capacity (Liters)	158	330		430		530		630	
Capacity of blood bags	Up to 72	Up to 150		Up to 225		Up to 300		Up to 375	
Number of drawers	2	2		3		4		5	
Drawer capacity	Up to 36 bags	Up to 75 bags							
Temperature	Preset at $4^{0}C \pm 0.5^{0}C$								
Temperature alarm	$\geq 6^{0}C$ & $< 2^{0}C$, Audio visual alarm								
Internal body material	Stainless Steel 304 (AISI grade, Non corrosive, Non magnetic)								
External body material	Powder coated CRCA steel								
Insulation	50mm	80 mm, CFC free polyurethane foam							
Illumination	Fluorescent Lamp								
Recorder	Seven days circular chart recorder								
Noise level	Less than 65 db (A)								
Battery backup (Controller)	Rechargeable, maintenance free battery for Display, Alarm system & Chart recorder								
Recommended voltage stabilizer	VS 01	VS 02				VS 03			
Electrical	220-240 volts, 50 Hz, Single Phase								
Compliance	EN 60601-1,EN 60601-1-2, CE, US FDA								