

4°C Blood Bank Refrigerator

ANTECH BloodSafe series blood bank refrigerators are designed to meet highest requirements for the secure storage of blood and blood components. It provides excellent temperature performance, low noise and decreased energy consumption. High quality SECOP compressor and natural hydrocarbon refrigerant are used for optimized temperature performance and energy efficiency.

TC-100 Controller



Microprocessor electronic controller for BloodSafe series blood bank refrigerators, fitted with dual LED screen to display inner chamber temperature and key working conditions. Advanced dual sensor control system for accurate temperature control.

PERFORMANCE

- Forced air cooling for excellent temperature uniformity
- Variable (cycle) defrost
- Intelligent microprocessor controller with LED digital display resolution 0.1
- Magnetically sealed door with rapid cool-down mode after door opening
- Dual sensor design: Independent control sensor and display sensor

ERGONOMIC DESIGN

- Stainless steel interior for easy cleaning
- Stainless steel sliding drawers for convenient use
- Door-activated and exterior switch-activated interior LED lighting
- Self-close door for convenient operation
- Ultra-quiet design reduces noise level
- 3-layer glass door preventing frost

ENVIRONMENT FRIENDLY

- Natural refrigerant compliant with EPA and SNAP non-ozone depleting mandates
- No impact on ozone depletion, and very low Global Warming Potential (GWP)
- High efficiency cooling system for lower energy consumption and carbon emission

ALARMS

- High temperature
- Low temperature
- Door ajar
- Power failure
- Sensor error
- Low battery

SAFETY

- Build-in data storage and USB port for download
- Quick check of high/low temperature in 24 hours
- Password protection avoids key parameters unauthorized change
- Safety door lock, preventing unauthorized access
- Access port for additional temperature probe
- Remote alarm contacts



- ▶ **Door lock**
Door lock preventing unauthorized access



- ▶ **USB port**
Temperature data storage and download



- ▶ **Forced air cooling**
Excellent temperature uniformity and fast recovery after door open



- ▶ **Sliding drawer**
Stainless steel sliding drawers for convenient storage of blood bags



- ▶ **Access port**
For easy access of additional temperature probe



- ▶ **Remote alarm contact**
Sending signal to a remote alarm system

4°C

BloodSafe series



Model		MBR-658			MBR-1008			MBR-1408		
Main specifications	Type	Upright			Upright			Upright		
	Temperature range (°C)	4			4			4		
	Climate type	N			N			N		
	Capacity (L)	638			1140			1410		
	Blood bag storage qty(450ml)	390			624			780		
	Internal W×D×H (mm)	660×650×1400			1299×650×1400			1460×650×1400		
	External W×D×H (mm)	780×840×1965			1300×840×1965			1580×840×1965		
	Weight (KGs)	174			277			298		
	Insulation (mm)	60			60			60		
	Cooling type	Forced air			Forced air			Forced air		
	Defrost	Auto defrost			Auto defrost			Auto defrost		
Control system	Refrigerant	R290			R290			R290		
	Controller	TC-100			TC-100			TC-100		
	Display	LED digital			LED digital			LED digital		
	Display accuracy	0.1			0.1			0.1		
Power	Power supply(V/Hz)	220/50	220/60	120/60	220/50	220/60	120/60	220/50	220/60	120/60
	Rated power (W)	260	260	250	400	400	420	400	400	420
	Rated Current (A)	1.5	1.5	2.6	2.4	2.4	4.8	2.4	2.4	4.8
Data memory	High/low temp check	●			●			●		
	USB port	●			●			●		
	Cloud monitoring (Wi-Fi)	○ CryoMonitor 2000TF			○ CryoMonitor 2000TF			○ CryoMonitor 2000TF		
Alarm functions	Chart recorder	○			○			○		
	Visible/audible alarm	●			●			●		
	High/low temp alarm	●			●			●		
	Remote alarm contact	●			●			●		
	Sensor failure	●			●			●		
	Door open	●			●			●		
	Low battery	●			●			●		
Other feature	Power failure	●			●			●		
	Door lock with key	●			●			●		
	Inner LED light	●			●			●		
	Adjustable foot	●			●			●		
	Caster	●			●			●		
	Test access port	Φ 20mm x 1			Φ 20mm x 1			Φ 20mm x 1		
	Sliding drawers QTY	6			12			12		
	Door Qty	1			2			2		
Material	Exterior	Coated steel			Coated steel			Coated steel		
	Interior	Stainless steel			Stainless steel			Stainless steel		
	Door	3-layer glass			3-layer glass			3-layer glass		
	Insulation	Polyurethane			Polyurethane			Polyurethane		
Shipping	Gross weight (KGs)	203			312			338		
	Packing W×D×H (mm)	840×870×2150			1340×870×2150			1640×870×2150		
	Volume (m3)	1.57			2.51			3.07		