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

• Door-activated and exterior switch-activated interior LED lighting
• Self-close door for convenient operation
• SUS304 interior for easy cleaning
• SUS304 sliding drawers for convenient use
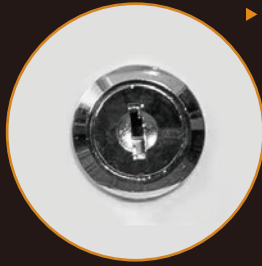• Ultra-quite design reduces noise level

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)
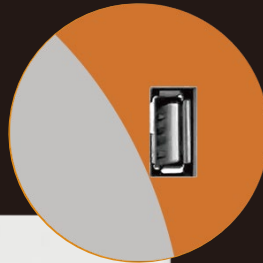• High efficiency cooling system for lower energy consumption and carbon emission

ALARMS

• High temperature
• Low temperature
• Open door
• Power failure
• Sensor error
• Low battery

SAFETY

• Build-in data storage and USB port for download
• Quick check of max/min 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

USB port
Temperature data storage and download

Forming door with door seal
4 layer door seal for better insulation and less frost.

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

ANTECH

Sliding drawer
Stainless steel SUS304 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 (℃)	4	4	4
	Climate type	N	N	N
	Capacity (L)	638	1140	1410
	Internal W*D*H (mm)	660×690×1400	1180×690×1400	1460×690×1400
	External W*D*H (mm)	780×827×1945	1300×827×1945	1580×827×1945
	Weight（KGs）	160	220	280
	Insulation (mm)	60	60	60
	Cooling type	Forced air	Forced air	Forced air
	Defrost	Auto defrost	Auto defrost	Auto defrost
	Refrigerant	R290	R290	R290
Control system	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)	220V/50Hz; 220V/60Hz; 120V/60Hz	220V/50Hz; 220V/60Hz; 120V/60Hz	220V/50Hz; 220V/60Hz; 120V/60Hz
	Rated power (W)	280	400	480
Data memory	Max./Min. temp record	Yes	Yes	Yes
	USB port	Yes	Yes	Yes
Alarm functions	Visible/audible alarm	Yes	Yes	Yes
	High/low temp alarm	Yes	Yes	Yes
	Remote alarm contact	Yes	Yes	Yes
	Sensor failure	Yes	Yes	Yes
	Door open	Yes	Yes	Yes
	Low battery	Yes	Yes	Yes
	Power failure	Yes	Yes	Yes
	Backup for alarm (Hrs)	48	48	48
Other feature	Door lock with key	Yes	Yes	Yes
	Inner LED light	Yes	Yes	Yes
	Adjustbale foot	-	-	-
	Caster	Yes	Yes	Yes
	Test access port	Φ20mm x 1	Φ20mm x 1	Φ20mm x 1
	Sliding drawers QTY	6	12	12
	Door Qty	1	2	2
Material	Exterior cabinet material	Coated steel	Coated steel	Coated steel
	Interior cabinet material	SUS304	SUS304	SUS304
	Door type	3-layer glass	3-layer glass	3-layer glass
	Insulation material	Polyurethane	Polyurethane	Polyurethane
Shipping	Gross weight (KGs)	190	252	330
	Packing W*D*H (mm)	840*870*2150	1340*870*2150	1640*870*2150
	Volume (m3)	1.57	2.51	3.07