



**+4°C**

# **Blood Bank Refrigerator (Forced-air Cooling System)**

**Model: MBC-4V658**



## Applications

Blood bank refrigerators are specially designed to store blood bags and blood-derived products.

## Features

- Microprocessor control, ensure the inside temperature of  $4^{\circ}\text{C}\pm 1^{\circ}\text{C}$  accuracy is  $0.1^{\circ}\text{C}$
- Suggested ambient temperature:  $+10\sim 32^{\circ}\text{C}$ .
- Specially designed forced-air cooling system, ensures frost-free cabinet and good temperature uniformity.
- Toughened glass door with heater to avoid condensation.
- Wide available voltage range:  $220\text{V}\pm 10\%$ .

## Security

- Safety door lock and controller password to prevent unauthorized access.
- 72h built-in backup battery to power the controller and save temp. data when power failure or system error.
- Visual and audible alarm system.
- Power failure protection: turn-on delay of the cooling system after power failure.
- Controller error protection: the cooling system will remember the normal working cycle and keep working depending on this memory when the controller or two sensors failed.

## Humanized design

- Special designed service-free drainage system, ensure no water in the cabinet.
- Adjustable shelves and blood baskets for easy storage.
- Casters with stoppers for easy moving and fixation.
- Auto on/off LED light with manual switch on the control panel.
- Auto on/off cooling fan to prevent cold air from leaking out when the door is opening.



## Specifications

Model NO.	MBC-4V658
<b>Main Specifications</b>	
Temperature Range	4 ± 1 °C
Ambient Temperature	10~32°C
Capacity (L/Cu. Ft.)	658 / 23.24
Interior Dimensions (W×D×H) mm	1100×454×1325
Exterior Dimensions (W×D×H) mm	1220×635×1885
Weight	202 kgs
Noise	50 dB
Max Loading of 450/400/300/200ml Blood Bag	396/432/540/684 Bags
<b>Control and Power</b>	
Controller	Microprocessor
Display	Digital
Sensor	NTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	391 W
Electric Current	2.12 A
Power Consumption (kWh/24h)	5.98
<b>Audible and Visual Alarms</b>	
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 72h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Battery Error Alarm	Yes
<b>Refrigeration</b>	
Refrigeration Type	Forced-air Cooling
Defrost	Auto
Compressor (Brand/pcs)	SECOP / 1
Refrigerant / Weight	R290 / 120g
<b>Cabinet</b>	
Door (pcs)	Self-closing Foamed Heating Glass Door / 2
Inner Door (pcs)	PMMA / 6
Adjustable Shelf (pcs)	12
Basket (pcs)	36
Interior Cabinet Material	Stainless Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	PURF (δ60mm)
Door Lock	Yes
LED Lamp	Yes
Test Hole (pcs)	1
Castors (pcs)	4
<b>Accessories</b>	
Remote Alarm Port	Yes
Temperature Printer	Yes
USB Data Download Port	Optional
RS485 Port	Optional
Temperature Datalogger	Optional
Temperature Chart Recorder	Optional
<b>Shipping</b>	
Package	Plywood box with pallet
Shipping Weight	257 kgs
Shipping Size (W×D×H)	1330×750×2120
Shipping Volume	2.11 CBM

\* Due to continuous product upgrades, the above specifications are for reference only. For the latest specifications, please contact us.