

Preservation
above-zero



MBR-705GR

**Stable
temperature control**

**4°C ± 1.5°C
622 liters/22.0 cu.ft.**

**Enhanced alarm and
safety functions**

**Specially designed to provide
precise and reliable temperature
control that meets various criteria
for whole blood and blood
derivatives.**

- Can store 360 bags of 450ml blood bags
- Bottle-type alarm sensor
- Equipped with remote alarm terminal
- Minimum air leakage
- User-friendly control panel

MBR-705GR Series

Features

Stable Temperature Control

- Two liquid-filled monitor bottles which have about the same heat quantity as blood bags are located in upper and lower part of the chamber.
- Thermistor sensors loaded in each of the monitor bottles, which have an independent circuit from the temperature controlling sensor, allow temperature close to the actual storage be monitored. These sensors also function as alarm sensors.
- Microcomputer control ensures the most accurate temperature control available.
- Multi air-flow plenum system ensures excellent temperature uniformity.

Temperature Variations Prevented

- Separate transparent inner doors minimize chamber air leakage during door openings.
- Foamed-in-place insulation in the walls, and magnetic sealed outer door with double-pane glass window prevent chamber air leakage and provide complete door closings.
- Large air circulation fan enables rapid temperature recovery after door openings.

User-friendly Design

- Fluorescent interior lamp with ON/OFF switch and a large view window in the outer door provide a clear view of stored items.
- New control panel for improved operability, visibility, and calibration.

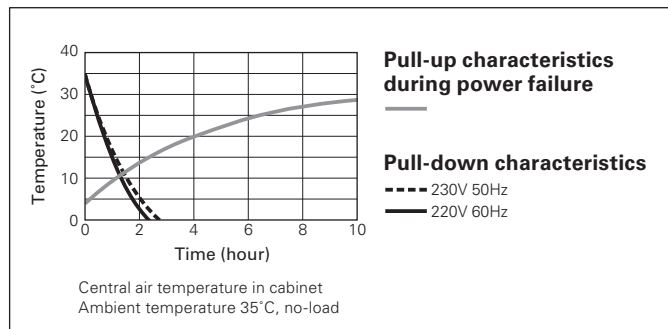


Control panel

Enhanced Alarm and Safety Functions

- Audible and flashing LED visual alarms with remote alarm contacts, in case of power failure, high or low temperature condition, or any thermal sensor abnormality.
- Door alarm and key lock as standard features.
- Re-activating buzzer, lamp and remote alarm contact. (30 min. after buzzer stops)
- Built-in temperature recorder (1/7/32 days)

Performance Data



Specifications

	230/240V, 50Hz	MBR-705GR-PE
Model No.	220V, 60Hz	MBR-705GR-PR (plug: BS1363)
	220V, 60Hz	MBR-705GR-PK
Exterior dimensions (W x D x H)*1	770 x 830 x 1955 (mm) / 30.3 x 32.7 x 77.0 (inch)	
Interior dimensions (W x D x H)	650 x 697 x 1500 (mm) / 25.6 x 27.4 x 59.1 (inch)	
Weight	213 kg (470 lbs.)	
Effective capacity	622 liters (22.0 cu.ft.)	
Storage capacity	360 bags (450ml)	
Temperature	4°C ± 1.5°C (Ambient temperature 35°C)	
Exterior	Painted steel	
Interior	Painted steel	
Outer door	Painted steel, Provided with 2-layer glass window	
Inner door	Acrylic resin, 3 doors	
Insulation	Rigid polyurethane foamed-in place	
Drawer	Stainless steel x 6, Allowable load: 40 kg/drawer	
Access port	Inner diameter: 30 mm, Left side, Right side, Top	
Cooling method	Forced cool air circulation	
Compressor	Hermetic type, Output: 200 W x 1	
Evaporator	Fin and tube type	
Condenser	Wire and tube type	
Refrigerant	R-134a	
Defrosting	Cycle defrost + forced defrost, Fully automatic	
Defrost heater	100 W	
Temperature controller	Electronic control system	
Temperature display	Digital display (in 0.1°C increments)	
Fluorescent lamp	White light 20W MBR-705GR-PE: FL20SSEXD, MBR-705GR-PR/PK: FL20SD	
Alarms	High temp. alarm, Low temp. alarm, Power failure alarm, Door alarm	
Battery	For power failure alarm (DC 6V 1100 mAh, Automatic recharge)	
Remote alarm contact	During alarm buzzer and power failure, Output: N.O. "Close", N.C. "Open"	
Accessories	1 set of key	
Optional components	Interface board (MTR-480-PW), Data acquisition system (MTR-5000-PW), Recording paper (RP-G04-PW), Ink pen (PG-R-PW)	

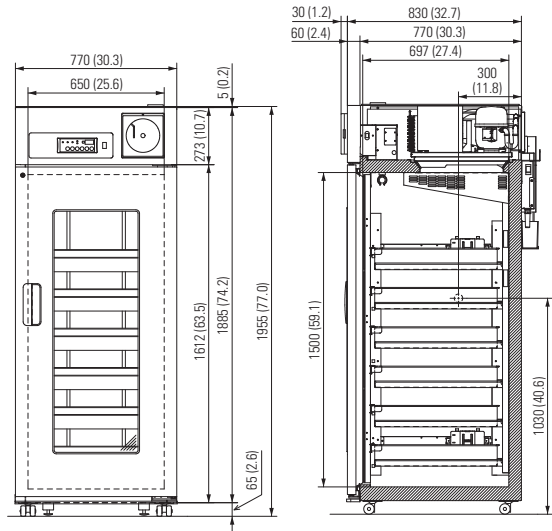
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* Appearance and specifications are subject to change without notice.

*1 Exterior dimensions of main cabinet only - see dimension drawings showing handles and other external projections.

Dimensions

Unit: mm (inch)



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Quality management system: ISO9001

Medical devices quality management system: ISO13485



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