



BLOOD BANK

EQUIPMENT



MAC

BLOOD BANK REFRIGERATOR

AS PER WHO GUIDELINES

MSW-139

"MAC" Blood Bank Refrigerators are specially designed for blood transfusion services, blood banks, blood processing center and hospitals. Provides optimal storage environment which safeguard the integrity of stored blood products.

- Outer body made of CRC Sheet duly powder coated
- Inner wall and trays made of Stainless Steel(SS-304 grade).
- Gap between inner and outer wall is filled with high grade PUF insulation.
- System is designed to meet WHO GUIDELINES vis-à-vis, type of pull out drawers, size of drawer, distance between each drawer (To maintain temp. uniformity), hold over time in case of power failure, NON-CFC refrigerants, PUF insulated layer etc.
- Provided with adjustable and extendable pull out modular drawers.
- Each drawer can accommodate maximum 60 Bags in each drawer.
- Fitted with Microprocessor Based Digital Temperature Indicator-cum-Controller with LED/LCD or TFT Touch Screen Display Controller(as ordered)
- Controller has all advance features such as temperature deviation alarm, system failure alarm and power failure alarm.
- Battery back-up for controller in case of power failure for display of chamber temperature, chart recorder and alarm system.
- To work on 220/430 Volts AC supply.



As Per WHO Guidelines

Energy Saving Low Noise Compressor

High Grade Insulation for Best In Class Temperature Holdover

Weekly Circular Chart Recorder for Temperature Monitoring

Battery Backup for Temperature Display in Event of Power Failure

TECHNICAL SPECIFICATIONS

Drawer Capacity	Maximum 60 Bags in each drawer
Drawer Movement	Adjustable and Extendable Pull Out Modular Drawers.
Temperature	Preset at 4°C ±0.5°C
Temperature Alarm	High 6°C & low 2°C, Audio Visual Alarm
MOC (Inner Chamber)	Stainless Steel 304 (AISI Grade, Non Corrosive, Non Magnetic)
MOC (Outer Chamber)	CRC sheet duly powder coated
MOC (Drawers)	Stainless Steel 304
Insulation	Thick foamed in place CFC free polyurethane foam (PUF)
Illumination	Provided for inner view
Door Lock	Provided for safety and security of specimen
Power Failure Alarm	Audio Visual Alarm
Refrigeration System	Hermetically sealed compressor with CFC free refrigerants
Evaporator	Finned evaporator accounts for quick and uniform cooling
Battery Backup	Battery back-up for controller in case of power failure for display of chamber temperature and chart recorder
Chart Recorder	7 Days circular temperature chart recorder
Auto Condensate Removal	For removal of condensate water
Castor Wheels	Fitted with Castor Wheels
Temperature controller (Option)	Microprocessor based Digital Temperature Indicator-cum-controller with LED / LCD Display OR TFT Touch Screen Display Controller (as ordered)
Validation Port	Validation port to insert sensors for validation purposes.
Power Supply	Single Phase 220/230 Volts AC.



MODEL (LED DISPLAY)	MODEL (LCD DISPLAY)	MODEL (TFT DISPLAY)	Gross Capacity	No. of Blood Bag (350ml)	No. of Blood Bag (450ml)	No. of Drawers
#BBR-72(LED)	#BBR-72(LCD)	#BBR-72(TFT)	160 ltrs.	72 Bags	56 Bags	1
#BBR-150(LED)	#BBR-150(LCD)	#BBR-150(TFT)	340 ltrs.	150 Bags	120 Bags	2
#BBR-225(LED)	#BBR-225(LCD)	#BBR-225(TFT)	450 ltrs.	225 Bags	180 Bags	3
#BBR-300(LED)	#BBR-300(LCD)	#BBR-300(TFT)	550 ltrs.	300 Bags	240 Bags	4
#BBR-375(LED)	#BBR-375(LCD)	#BBR-375(TFT)	650 ltrs.	375 Bags	300 Bags	5
#BBR-525(LED)	#BBR-525(LCD)	#BBR-525(TFT)	750 ltrs.	525 Bags	420 Bags	6
#BBR-630(LED)	#BBR-630(LCD)	#BBR-630(TFT)	850 ltrs.	630 Bags	504 Bags	6

OPTIONS

- Flexible blood bag partition/slabs per tray.
- Stand-by ready to use refrigeration system in case regular system fails.
- Automatic Voltage Stabilizer to cost extra.