



BLOOD BANK REFRIGERATORS

MODEL NO. - ACM-78095-S

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We are manufacturers of blood bank refrigerators in India since last two decades. Our blood bank refrigerators are conceptualized and designed to meet the challenging requirements of modern day blood banks to efficiently conserve whole blood and its derivatives beside variety of other products such as vaccines, primers, culture media etc. We strongly believe in the principle of quality first and everything else to follow, which reflects in our products, which are renowned for long trouble free services in various blood banks, hospitals and research institutes across India and abroad.

Our blood bank refrigerators are made of corrosion free metal components with advance poly urethane insulation ensuring maximum thermal efficiency and durability.

We specialize in both standard and customized models of blood bank refrigerators specially designed to meet various special requirements of our customers across India and abroad.

Over a short period of time Weiber brand have been established as a leading exporters of blood bank

refrigerators in India, catering to South Asian, African And European Markets. Beside the regular exports we are also catering to our domestic market and are suppliers of our blood bank refrigerators to various blood banks, hospitals, nursing homes and research faculties.

SALIENT FEATURES

- Corrosion free exterior and interior
- Designed for long storage of blood
- Environmental friendly CFC free cooling
- Special design ensuring best hygiene
- Digital temperature indication
- Micro processor based temperature control
- Audio visual alarm for high and low temperature
- PUF insulation
- Reliable
- Energy Efficient
- Sturdy Construction
- Low Maintenance
- Light Weight



CONSTRUCTION

Blood bank refrigerators are double-walled cooled units. Outer body of our blood bank refrigerators are constructed out of thick m.steel/ aluminum sheets, painted with long-lasting stove enamel or elegantly powder coated. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade or anodized aluminum sheet or G.I. (as per the customer's requirements).

The 100 mm gap between the walls is filled with high-grade polyurethane insulation, which ensures maximum thermal efficiency.

OUTER PANEL

The outer panels of all our blood bank refrigerators are made of galvanized sheets having a superior bacteria resistance film coating for greater hygiene.

INTERIOR CONSTRUCTION

The interior of our blood bank refrigerators are constructed of high-grade stainless steel sheets of grade SS-304, thus

making it easier to clean and ensure greater stability and life.

DOOR

The doors are connected by very sturdy chrome plate hinges and fitted with hard chrome plated lubricated latches for opening the door. The doors are made of galvanized steel sheets, lined with stainless steel for extra protection and long life. All the doors are fitted with high-quality neoprene rubber gaskets for air-tight fittings.

FLOOR

The floor of our blood bank refrigerators are constructed out of hardened and reinforced steel sheets containing spills for easy cleaning and hygiene.

TEMPERATURE CHART RECORDER (OPTIONAL)

The unit can be fitted with a strip chart recorder, which records the temperature inside the refrigerator 24x7.



CASTORS

The unit is provided with very sturdy castors

INDIVIDUAL LOCKS

The chambers of the refrigerators are provided with individual multi channel lock for safety and security

COOLING

An energy efficient cooling unit is installed in our mortuary chambers. We use ISI marked high end CFC free compressors of Kirloskar/Tecumseh make, conforming to latest international standards and guidelines.

TEMPERATURE RANGE

Temperature range of our standard blood bank refrigerators models are 2°C to 4°C. However we have the capacity to modify the same to suit the individual specialized requirements of our customers

TEMPERATURE CONTROL

The temperature inside our blood bank refrigerators is

controlled through programmable micro-processor based temperature controller cum indicator.

TEMPERATURE SENSITIVITY

Temperature inside our seed germinator are controlled with a sensitivity of + 1° c or better.

AUDIO VISUAL TEMPERATURE ALARM

An audio visual temperature alarm is provided in the unit for protection during temperature fluctuations

ILLUMINATION

Our blood bank refrigerators are provided with door operated illumination system comprising of fluorescent lights,

FRONT PANEL

Front panel of our units comprises of on/off switches cooling and mains indicator lamps, temperature controllers and voltmeters.



CAPACITY

- 50 blood bags – volume 85 litres
- 110 blood bags – volume 165 litres
- 200 blood bags – volume 200 litre
- 250 blood bags – volume 280 litres
- 360 blood bags – volume 400 litres

TECHNICAL MATRIX

Temperature Control	-	-
Temperature Sensitivity	±°C	1 or better
Spatial Deviation In	±°C	1 or better
Temperature		
Readability	°C	0.1
Temperature range	°C	2°C to 4°C(Standard)
Temperature Sensor	-	PT-100
Temperature Controller	-	Solid State digital Controller/PID optional
Display	-	LED/LCD
Adjustable alarm limits	-	Optional With PID controller only
Water Quality	-	Distilled / Ionized

Safety thermostats	-	-
Temperature variation Adjustments	-	3 (With PID Controllers only)
Temperature Sensors	-	PT-100
Automatic temperature setting	-	Yes (With PID Controllers only)

Adjustable limits	-	Yes (With PID Controllers only)
Air Circulation	-	Forced
Refrigerent	-	R134A Non CFC

Accessories	-	-
Program (Real Time)	-	Optional
Data Acquisition Program	-	Optional
Serial Port (Printer)	RS232C	Optional
Inspection window in door	-	Optional
Water Reservoir	litres	18 ltr

Capacity	-	-
Standard	-	50/110/200/250/360 bags
Internal Dimension	mm	Model Specific
Max load per shelf	kg	155 kg
Max. Permitted total load	kg	Model Specific

Accessories	-	-
Printer Report Program	-	Optional
2 x 24 characters LCD Display	-	Optional
Access Port 30 mm	-	Optional
Castors, lockable	-	Yes

Power Consumption	-	-
Nominal Power	W	950-1450
Nominal Voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50/60



DATA ACQUISITION AND CONTROL SYSTEM FOR BLOOD BANK REFRIGERATOR

This is unique module which can be incorporated with our blood bank refrigerator to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface.

This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.

FEATURES

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print out of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.



An ISO 9001 : 2208 | ISO 14001 : 2008 | ISO 13485
WHO: GMP Products | GLP Compliant Products

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