

BLOOD BANK REFRIGERATORS

BBR -80, BBR-200, BBR- 400 AND BBR- 600



FEATURES

- 4.3" Touch Screen for monitoring and controlling the temperature of the equipment.
 - Inkless & Paperless smart chart recoding system with 7 days charts storage capacity.
 - Digital circular chart can be downloaded from the controller by using pen drive*.
 - External Housing made from galvanized sheet (rust proof) of 18 SWG, with anti-scratch powder coating. Length of power cable, approx 2 m.
 - Lockable Castor wheels to lock the equipment in place without moving.
 - Interior made from 304 grade 22 SWG stainless steel.
 - Interior consist of three drawers on channels with stop.
 - Capacity per drawer approx. 40, 67 and 100 blood bags, 500 ml each.
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FEATURES

- Door stop on the right-hand side to stop the door from opening more than 100-110 degrees.
- Forced air cooling with axial blower, switches off automatically when you open the door, ensures a uniform temperature and minimizes temperature deviation.
- Air circulation Motor & blower arrangement to have uniformity of temperature under loaded condition.
- Front door double Vacuum packed toughened glass.
- Warning Function with visual and audible alarm signal Inthe case of power failure, temperature deviations, voltage fluctuation door left open (after 60 seconds).
- Battery backup^ for up to 36 hours for temperature and chart recording system.
- Ventilation- enforced refrigerating machine, vibration free, hermetically sealed, energy saving, low noise, easy to services. Inlet air and exhaust air flow through the ventilation slits at the front and the back.
- Low- noise compressor reduces noise to a negligible range.

SPECIFICATION	BBR-80	BBR-200	BBR-400	BBR-600
Capacity	80 bags	200 bags	400 Bags	600 Bags
Temperature setting	+ 4C	+ 4C	+ 4C	+ 4C
Power Supply	220-240 V, 50 Hz	220-240 V, 50 Hz	220-240 V, 50 Hz	220-240 V, 50Hz
Overall Dimensions	25"*29*56"(inches)	29"*33"*70"(inches)	32"*34"*72"(inches)	40"*40*72"(inches)
Interior Dimensions	19"*22"*29" (inches)	23"*23"*42"(inches)	26"*24"*44" (inches)	36"*36"*44"(inches)
Stating/Running Current	3A/2A	3.5A/2A	4.5A/3A	8A/6A
Ground Clearance	90 mm	100 mm	100 mm	100 mm
Cool down time(at full load)	3 hours	4 hours	5 hours	6 hours
Hold Over Time (at full load)	2 hours	3 hours	4 hours	4 hours
Temperature Gradient#	± 1C	±1C	±1C	±1C

*Supported capacity for pen drive is capped at 4 GB

It is the maximum temperature difference between different parts of interior

^Battery backup is not Provided for the equipment.

This picture is for visual purpose only, actual colours may vary.

BLOOD COLLECTION MONITOR

Is a “microcontroller” based system which collect, monitors and mixes the blood with anti-coagulant in the blood bags. It is light and easy to operate.



FEATURES

- User friendly menu for easy and quick operation.
- Light weight and compact
- Easily removable magnetic coupled tray for cleaning
- Pinching Motorized pinching at the end of collection
- Digital display to show the weight, volume and elapsed time of blood donation.
- Taring of bag volume before collection.
- Display parameter Weight and volume of collection, duration of collection Previous collection records
- Maximum volume of blood that is to be collected can be set according to preference.

FEATURES

- Pan for continuous agitation of blood at 10 RPM during donation to avoid blood coagulation.
- Tube stopper automatically stops blood collection by clamping the tubing at the end of pre-selected set volume.
- Automatically release of clamps when bag is lifted at the end of pre-selected set volume.
- Suitable for all types of bags,
- Powder Coated Power coating for scratch and corrosion resistance.

SPECIFICATION

Collection volume selection range	50-600ml
Collection volume Display	MI & gm while collection
Collection volume setting	With 50 ml increment
Elapsed time display	00.00(min: sec)
Display	3.2" TFT touch collection display
Indication & alarms	Audio visual alarm at the end of collection Audio visual alarm during high/low flow rate
Main Supply	170-240 VAC, 50 Hz, 1.5 Amp
Dimension(l*w*H)mm	(275*260*190)mm
Weight	5kg approx

ULTRA DEEP FREEZERS

165, 325, 525



FEATURES

- 4.3" Touch Screen for monitoring and controlling the temperature of the equipment.
- Inkless & Paperless smart chart recording system with 7 days charts storage capacity.
- Digital circular chart can be downloaded from the controller by using pen drive*
- Audio Visual Alarm if the temperature deviates from the preset temperature
- External Housing made from galvanized sheet (rust proof) of 18 SWG, with anti-scratch powder coating. Length of power cable, approx 2 m.
- Lockable Castor wheels to lock the equipment in place without moving.
- Interior made from 304 grade 22 SWG stainless steel.
- Interior consist of five drawers with stop.

FEATURES

- Trays Specially designed Stainless Steel Plasma basket.
- Door stop on the right-hand side to stop the door from opening more than 100-110 degrees.
- Front door extra PUF insulated to prevent temperature loss.
- Warning Function with visual and audible alarm signal Inthe case of power failure, temperature deviations, voltage fluctuation door left open (after 60 seconds).
- Battery backup^ for up to 36 hours for temperature and chart recording system.
- Ventilation- enforced refrigerating machine, vibration free, hermetically sealed, energy saving, low noise, easy to services. Inlet air and exhaust air flow through the ventilation slits at the front and the back.
- Low- noise compressor reduces noise to a negligible range.
- Air circulation Motor & blower arrangement to have uniformity of temperature under loaded condition.

SPECIFICATION	UDF-165	UDF-325	UDF-525
Capacity	165Litres	325 Litres	525 Litres
Temperature setting	-86C	-86C	-86C
Power Supply	220-240 V, 50 Hz	220-240 V, 50 Hz	220-240 V, 50Hz
Overall Dimensions	34"*33"*72"(inches)	38"*38"*72"(inches)	44"*44*78"(inches)
Interior Dimensions	21"*20"*30"(inches)	25"*25"*30" (inches)	31"*30"*36"(inches)
Stating/Running Current	17A/6A	17A/7A	17A/7A
Ground Clearance	100 mm	100 mm	100 mm
Cool down time(at full load)	16 hours	18 hours	20 hours
Hold Over Time (at full load)	4 hours	5 hours	6 hours
Temperature Gradient#	± 4C	± 4C	± 4C

*Supported capacity for pen drive is capped at 4 GB

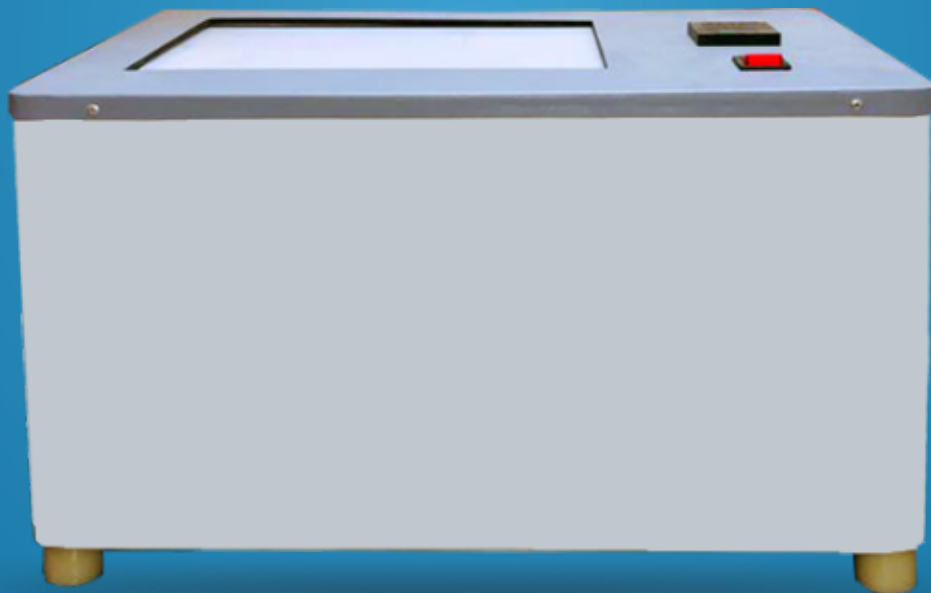
It is the maximum temperature difference between different parts of interior

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RH VIEW BOX

RH view box provide by us is useful for the efficient determination of RH. we provide RH view box in various specifications that prove highly useful to users. The range of RH view box provided by us manufactured using durable materials.



FEATURES

- Blood typing
- Rh determinations.
- Warming slides for gram-strain
- Tissue typing
- Reading enzyme antibody screens in micro plate
- Compact and economic slide-warmer
- Soft, fluorescent, glare- free light
- Built- in temperature indicator

DOUBLE PAN BALANCE

Is a Micro controller based system which equally balances the blood bags after donation and before centrifugation for getting good quality of blood components



FEATURES

- Light weight portable & compact design with heavy duty construction.
- LCD display for clear visibility of parameters, messages and warning.
- Stainless steel pans with plain surface for easy cleaning purpose.
- Audio visual warning for weight over range
- Audio visual alarm while weight tare.
- Accurate, simple and user friendly .
- Quick sense, no warm up time.
- It is ergonomically designed.

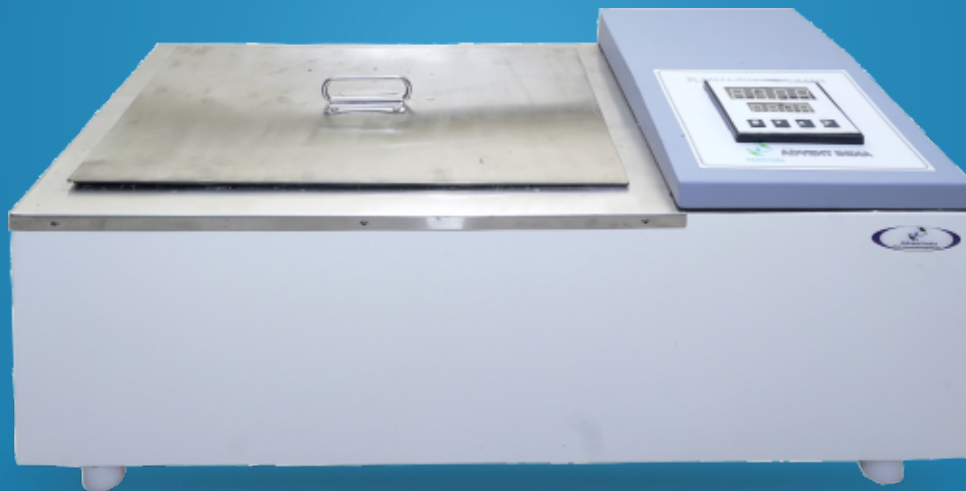
FEATURES

- Weight accuracy ± 1
- Touch screen display to show the weight on both pans, the screen also shows how much weight you need to add to balance the pans, specially designed for balancing blood bags for centrifugal process. Accuracy is 0.1gm for safer centrifugal process.
- When both weights found equal/balanced it gives audible alarm indicating weight match.
- Maximum Capacity of the balance is 5 kg for each pan.
- Large sized SS pans to facilitate centrifuge bucket placement.
- Easily removable (SS) pans for safer transportation.
- Each pan displays its kept weight individually .
- External Housing made from galvanized sheet (rust proof) of 18 SWG, with grey , anti-scratch powder coating. Length of power cable, approx.2m
- Touch Tare button for both the pan at the same time.

SPECIFICATION

Weight sensor	Load cell
Weight capacity (each pan)	5000gm
Display panel	4 lines, 20characters, alphanumeric back light LCD display
Calibration	Auto calibration
Indication & alarms	Audio visual alarm on weight match, over range & while tare
Weight accuracy (each pan)	Weight calibration tolerance: ± 1
Power Source	170-240 VAC, 50 Hz 0.5 Amp
Weight	Approx 4.8 Kg
Dimensions (L*W*h)mm	(325*335*120)mm
Temperature Characteristics	Operating: 0 C~30C Storage: 0C ~ 40C

PLASMA THAWING BATH



FEATURES

- 4.3" touch screen for monitoring and controlling the temperature of the equipment.
- Set temperature is at 37C
- Capacity of the equipment is 12 bags. There are two holders included to properly hold the blood bags.
- Audio Visual Alarm if the temperature deviates from the preset Temperature
- External housing made from galvanized sheet (rust Proof) of 18 SWG, with grey ,anti-scratch powder coating. Length of power cable, approx. 2m
- Lockable Castor wheels to lock the equipment in place without moving(optional)
- Interior made from 304 Grade 22 SWG stainless steel.
- Interior consists of holders to hold blood bags and continuous thawing of bags during process.
- Plasma holder acrylic plasma Bag holder
- Circulation Integrated pump for internal circulation
- Flip door PUF filled to prevent temperature loss.
- Warning Function with visual and audible alarm signal in the case of temperature deviations, cycle over.

PLATELET AGITATOR CUM INCUBATOR

48, 60, 120



FEATURES

- 4.3" Touch Screen for monitoring and controlling the temperature of the equipment.
- Inkless & Paperless smart chart recoding system with 7 days charts storage capacity.
- Digital circular chart can be downloaded from the controller by using pen drive*.
- Audio Visual Alarm if the temperature deviates from the preset Temperature
- External Housing made from galvanized sheet (rust proof) of 18 SWG, with anti-scratch powder coating. Length of power cable, approx 2 m.
- Lockable Castor wheels to lock the equipment in place without moving.
- Interior made from 304 grade 22 SWG stainless steel.
- Interior consist of 10 trays on an agitator to place platelet bags.

FEATURES

- Capacity per drawer approx 17 blood bags, 500 ml each.
- Door stop on the right-hand side to stop the door from opening more than 100-110 degrees.
- Forced air cooling with axial blower, switches off automatically when you open the door, ensures a uniform temperature and minimizes temperature deviation.
- Air circulation Motor & blower arrangement to have uniformity of temperature under loaded condition.
- Front door double Vacuum packed toughened glass.
- Warning Function with visual and audible alarm signal Inthe case of power failure, temperature deviations, voltage fluctuation door left open (after 60 seconds).
- Battery backup^ for up to 36 hours for temperature and chart recording system.
- Ventilation- enforced refrigerating machine, vibration free, hermetically sealed, energy saving, low noise, easy to services. Inlet air and exhaust air flow through the ventilation slits at the front and the back.
- Low- noise compressor reduces noise to a negligible range.

SPECIFICATION	PIA-48	PIA-60	PIA-120
Capacity	48Bags	60 bags	120 bags
Temperature setting	+ 22C	+ 22C	+22C
Power Supply	220-240 V, 50 Hz	220-240 V, 50Hz	220-240 V, 50 Hz
Overall Dimensions	24"*28"*54"(inches)	24"*28*54"(inches)	29"*33*70"(inches)
Interior Dimensions	18"*18"*26"(inches)	18"*18"*26"(inches)	21"*23"*42" (inches)
Stating/Running Current	4A/2.5A	4A/2.5A	5A/3A
Ground Clearance	100 mm	100 mm	100 mm
Cool down time(at full load)	30 minutes	30 minutes	30 Minutes
Hold Over Time (at full load)	1 hours	1 hours	1 hours
Temperature Gradient#	± 1c	± 1 c	± 1C

*Supported capacity for pen drive is capped at 4 GB

It is the maximum temperature difference between different parts of interior

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REFRIGERATED CENTRIFUGE



FEATURES

- Floor standing refrigerated centrifuge for separation of components from whole blood.
- Fully automatic with touch screen
- Centrifuge motor Brush less Induction motor
- Program able memory with tamper proof facility
- Predefined program and parameter stored in the memory
- Stable, sturdy all-steel design with stainless steel rotor chamber, easy to clean, corrosion resistant paintings, provision of both drain and condensed water collection container.
- Automatic lid lock
- Swing- out buckets, swing-out rotors with metal buckets, with or without wind shielded, suitable adapters for 6/8/12 blood bags with SAGM bag and empty satellite bags with in line filter system and, removable plastics cups to hold single/double/triple

FEATURES

blood bags etc.

- Temperature control, range: - 20 C to +40 c in 0.1 C increment, with micro processor controlled rotor temperature with 0.1 C regardless of centrifuge speed.
- Digital display(real time and set target) of temperature, speed, acceleration time, deceleration time , real time and processing RCF with minimum no. of 3 digit resolution
- Programmable time: 0 minute to 99 hours with minimum resolution of 0.1 minute
- Speed Force and other things
- Maximum speed 4500 rpm
- Maximum RCF (Relative centrifugal force) for blood bags: 6500g
- Acceleration and declaration profiles are independently adjustable with nine brake levels and option for free coasting.
- Motor Imbalance detection, automatic shutdown of centrifuge if rotor load is out of balance with appropriate indicator. Motion sensors drives unbalance detection. Soft touch emergency stop.
- Protection & alarm, in event of power interruption or complete failure, data remain stored in memory. Password Protection to prevent unintentional switch off and also unauthorized opening of the equipment.
- Alarms for imbalance detection, lid interlock, over temperature, rotor over speed.
- Manufacturing Unit compliant with ISO 9001: 2015, WHO-GMP, and CE.
- Power supply, compatible with 220V to 240V, 50 Hz. Single phase A.C.
- High Voltage protector, available for 160V to 260V voltage fluctuation.

SPECIFICATION	RC-6	RC-8	RC-12
Capacity	6 bags	8 bags	12 bags
Compatibility with bags	single, double, triple	single, double, triple	single, double, triple
Bucket type and number	Single*6	Double *4	Double * 6
Starting/running amps.	10A/7A	10A/7A	10A/8A
Chamber dia. * height	25.6"* 10.6"	26.5"* 10.6"	26.7"* 10.6"
External dimensions	31"*40"*33"	31"*40"*33.6"	31"*41.6"*33.6"
Temperature Utility	-10C to 40C	-10C* to 40 C	-10c to 40 C
Windshields	Yes	Yes	Yes
Weight	325 kg	350 kg	375 kg

BLOOD BAG TUBE SEALER

Product features: blood bag tube sealer to seal tubing of PVC bags and provide hermetic seal on plastic tubing containing blood without causing haemolysis. Plastic tubing sealed and able to separate by pulling apart without leakage of blood.



FEATURES

- Lightweight, portable has a compact design.
- Automatically Triggers sealing with the help of sensor.
- LED indicator lamps for system ready and sealing.
- Short sealing time.
- Easy separation of tube system.
- No compressed air requirement.
- No warm up time.
- User friendly with ergonomical design.
- Easily creates hermetic snap-apart seals, user friendly.
- No RF cable required.
- Adapts to different tube sizes.
- Tube is easily pulled apart to separate seal ends.
- With sophisticated sensors which automatically adjust the sealing time as per the tube size and thickness.

SPECIFICATION	
Input Power supply	170-240V AC, 50 Hz 3A
Sealing Suitability/applicability	Blood Bag Tube
Sealing time	0.5- 2Sec
RF output Frequency	40.68 Mhz
Inbuilt Fuse	4A main supply AC
Mechanical size	W+3.4" H=b8.2" L=12.9"
Weight	Approx= 4.7 kg (with Battery)

SINGLE PAN BALANCE

is a micro controller based system to measure accurate volume & weight in ML & gm of blood components according to specific gravity of the component.



SPECIFICATION	
Load cell capacity	1200 gms
Weight sensor	Load cell
Weight display panel	Back light 4 line alphanumeric LCD display
Indication lamp	LCD display message LCD display in ml/gm
Calibration and tarring	Auto
Accuracy	Weight calibration Tolerance: ± 1 gm
	Total accuracy of display: ± 1 gm
Power Source	220-240V AC 50 HZ
Weight	Approx 3kg

DONOR COUCH



FEATURES

- Introducing the donor couch for safety and comfort of the donor and convenience of the technician. Aesthetically designed with focus on quality, safety and hygiene. Intelligently designed and proven to reduce incidence of vasovagal attack associated with blood donation.
 - Superior Design position can be shifted to shock position within 10 seconds of actuation. Single profile construction enables the donor profile to be maintained unchanged during conversion to “shock position”, ensuring minimal discomfort to the donor. the wedge shaped armrest promotes comfortable venipuncture facilitating optimal blood flow. A Large resting surface enables comfortable seating and long foot section for easy foot support for taller donors.
 - Safety the unique position of the foot during donation ensures adequate blood supply to the head consistent with the hemodynamic of the human body to minimize the incidence of “ vasovagal attack” .controlling buttons on the remote are logically placed and does not confuse.
- High stability ensures no tipping over up to 150 kgs. Provision for all devices and accessories required for blood donation and height adjustment of the couch ensure safety from RSI{ Repetitive strain injuries} for staff.
 - HYGIENE single profile construction ensures that all surfaces are smooth and easy to clean. The upholstery is not stitched and don't provide any opportunity for moisture or liquids to lodge. Smooth, dirt resistant design of the remote without any sharp edges or dirt traps in the construction. Accessories trays can be removed for easy cleaning
 - Facility for blood collection from both sides
 - Tilt adjustment can be done Manually
 - Contoured for better spine support, increases donor comfort and safety
 - High grade Fiber Reinforced Polymer Body on Steel frame