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ISO 13485:2016

WHO-GMP CERTIFIED

REMI Healthcare

REMI Healthcare

From the Chairman's Desk

"Every minute, someone, somewhere is buying a REMI product in India."

For over **65 years**, **REMI** has built its reputation on reliability, a legacy we're incredibly proud of. Today, we stand as a trusted, globally recognized brand, backed by a vast Pan-India network of over **1000+** dealers and multiple branches. This ensures our products are always available, wherever you are.

Our success is a testament to the continuous support of all our stakeholders. To our channel partners, I extend my heartfelt gratitude. Your hard work and perseverance have been crucial in helping us reach every corner of the country. Your dedication and valuable feedback are our most powerful tools for improvement.

To our customers: You are why we are here. Your satisfaction is the key to our ethos. We are committed to earning your trust by constantly innovating and providing excellent service. Our commitment to delivering technologically advanced products and excellent after-sales service remains as strong as ever. We promise to keep building on this momentum, continuing to be your trusted partner of choice. It is with great pride that I share our new catalogue with you. It details our latest product introductions and the significant upgrades we've made to our existing lines. I invite you to explore it and discover the products that best fit your needs

V. C. Saraf
(Chairman)

About Us

Founded in 1960, **REMI** with over **14 factories & 2,500 employees,** produces a diverse range of products, including fans & consumer durables, industrial motors, steel pipes, laboratory & healthcare equipment.

Headquartered in Mumbai, **REMI** is a **leading Indian manufacturer and exporter** of Laboratory & Healthcare equipments, with a diverse global clientele in more than **60 countries**.

REMI's products are essential to universities, research organizations, hospitals, blood banks, path labs and diagnostic centres. The company takes pride in its long history of serving government and public enterprises. At the heart of **REMI**'s operations is a deep commitment to its customers, whose feedback drives the continuous innovation and improvement of all products.

With a legacy spanning over **65+ years**, **REMI** is renowned for its commitment to quality, with every product undergoing rigorous in-house checks. As one of India's most trusted brands, **REMI** is also dedicated to environmental responsibility, using initiatives like solar energy and smart manufacturing practices to reduce its carbon footprint.

REMI Healthcare

Blood Collection Monitor
BCM 10 Ultra

BCM 10 Ultra

REMI BCM-10 Ultra, A new generation portable blood mixer, ideally suited for blood collections in donation room as well as outdoor camps. Inbuilt key features along with microprocessor based controls ensure smooth & gentle mixing process, volume accuracy, precise monitoring of time & flow rate.

The user friendly features of BCM 10 Ultra help phlebotomist to have complete control on donation process, thus ensuring donor safety & comfort.

Technical Specifications

Parameter	Unit	BCM 10 Ultra
Mixing	Cycle / minute	12-14
Battery back up	Hours	Up to 10
Maximum volume	ml	Up to 999 (net collection)
Taring range	gm	Up to 999
Dimensions W x D x H	mm	280 x 270 x 255
Net weight	Kg	5
Compliance	IEC 60601-1,IEC 60601-1-2	
Electrical	220-240 volts, 50 Hz, SINGLE PHASE	

Salient Features:

- Precise control on volume collection (Microprocessor based system), best in class accuracy (deviation $\leq$ 1%)
- Automatic tarring of blood bags
- Automatic change over on battery mode in case of power failure (Battery backup 10 hrs)
- Pause facility to temporarily suspend the donation process
- Gentle & smooth motorized clamping of blood bag tube prevents damage to the live blood cells
- Broad base tray with non-slip surface accommodates all type of blood bags
- Automatic release of the bag when lifted, after donation
- Removable magnetic cradle: Single grip tray removal
- Recall of last blood collection parameter
- Audio / Visual Alarm
  - Flow rate (< 20 ml/min or > 180 ml/min),
  - Completion of collection
  - Battery depletion
- Visual indication & displays
  - Set volume (ml)
  - Actual volume (ml)
  - Collection process status (Run / Stop / Pause)
  - Actual weight (gm)
  - Flow rate (ml/min)
  - Time of collection (min)
  - Battery status

Specifications subject to change without notice

REMI Healthcare

Blood Collection Monitor
BCM 20 Ultra

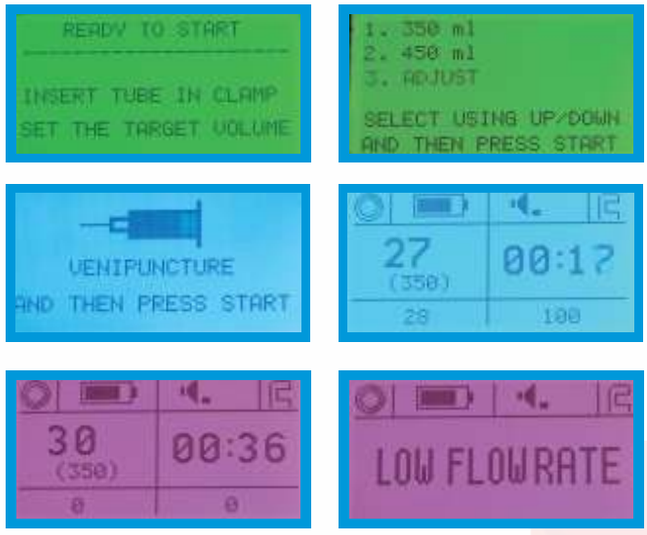
BCM 20 Ultra

REMI BCM-20 Ultra, Next generation blood collection monitor with interactive multicolor LCD display. Helps technicians to follow the SOP's ensuring standardization of the collection process

Removable magnetic tray ensures easy maintenance & transportation. The long lasting battery backup of 24 Hrs makes it an ideal choice for outdoor camps.

Self Diagnosis & System Checks

Interactive Multicolor Process Guide



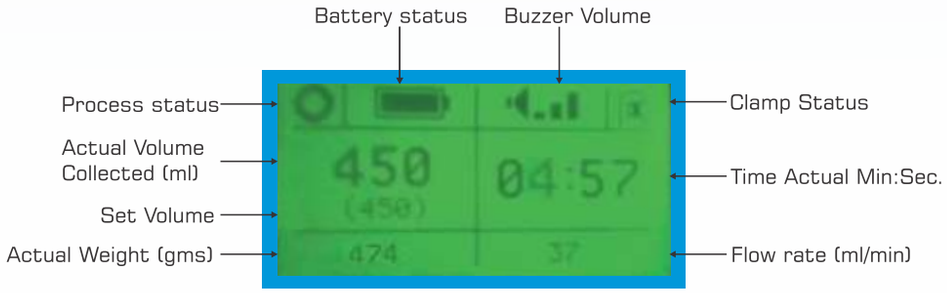
Specifications subject to change without notice

REMI Healthcare

Blood Collection Monitor
BCM 20 Ultra

Salient features:

- Interactive multicolor display
- Adjustable alarm volume
- Encapsulated design allowing easy cleaning. No liquid intrusion in the device
- Carrying case for device including all accessories
- Integrated calibration function with the use of weights
- Pause facility to temporarily suspend the donation process
- Precise control on volume collection (Microprocessor based system), best in class accuracy (deviation $\leq$ 1%)
- Removable magnetic cradle: Single grip tray removal
- Automatic tarring of blood bag weight
- Automatic release of the bag when lifted, after donation
- Automatic central parking
- Recall of last blood collection parameter
- Audio / visual alarm
  - Flow rate (< 20 ml/min or > 180 ml/min),
  - Completion of collection
  - Battery depletion
- Visual indication & displays
  - Set volume (ml)
  - Actual volume (ml)
  - Collection process status (Run / Stop / Pause)
  - Actual weight (gm)
  - Flow rate (ml/min)
  - Time of collection (min)
  - Battery status



Technical Specifications

Parameter	Unit	BCM 20 Ultra
Mixing	Cycle / minute	12-14
Battery back up/ rating	Hours	Up to 24 (with overcharge protection)
Max. Volume	ml	Up to 999 (net collection)
Maximum Tarring capacity	gm	Up to 999
W x D x H	mm	275 x 318 x 205
Net Weight	Kg.	5
Compliance	IEC 60601-1,IEC 60601-1-2	
Electrical	220-240 volts, 50 Hz, SINGLE PHASE	

Specifications subject to change without notice

REMI Healthcare

The Complete Blood Banking Solution

Blood Bank Refrigerators

BR 300 Ultra

BR 240

BR 180

Specifications subject to change without notice

REMI Healthcare

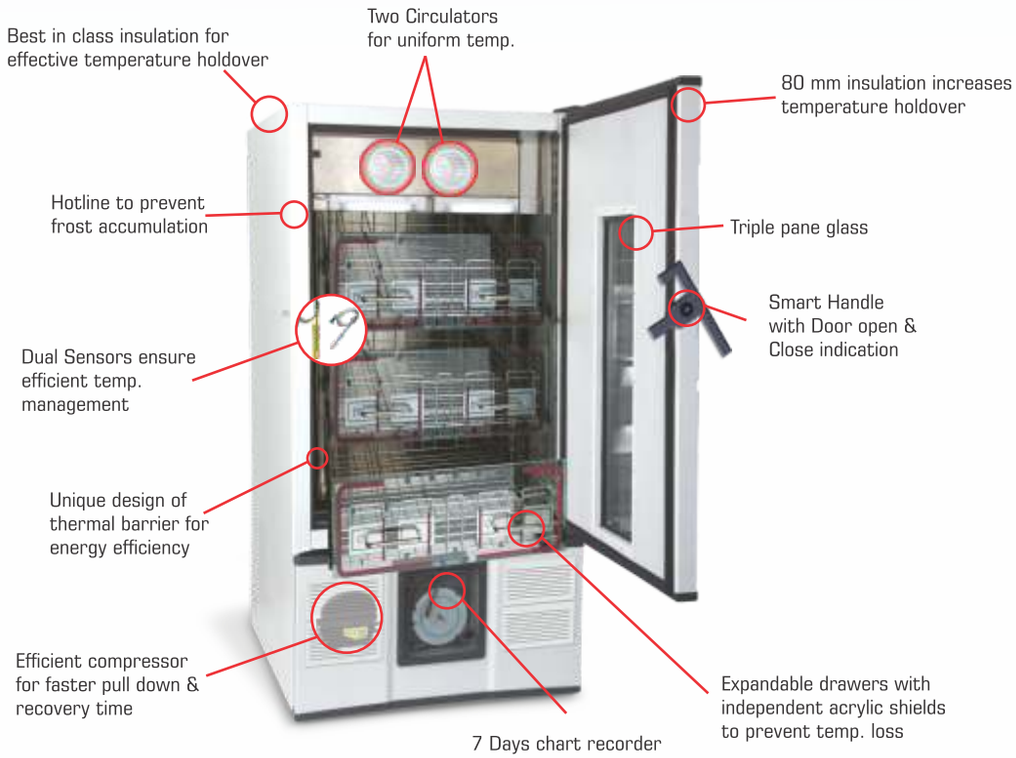
Blood Bank Refrigerators

REMI Blood Storage Refrigerators are specially designed to meet the storage requirements of whole Blood & Packed Red cells.

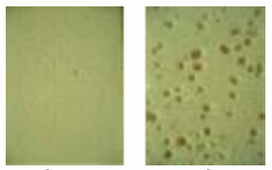
Cabinet Construction: Durable, corrosion resistant materials are used to provide years of reliable performance. The outer body is made up of powder Coated CRCA Steel & internal cabinet of Stainless Steel 304 (AISI Grade, Non Corrosive and Non Magnetic). The unit is fitted with heavy duty castor wheels for ease of movement.

Temperature Control & Monitoring: Microprocessor integrated system provides excellent temperature accuracy. 7 days circular chart recorder & audio visual alarm system helps to indicate storage conditions continuously.

Variants: REMI Blood Storage Refrigerators are available as BR & BR Ultra variants. Both the variants available in different capacities ranging from 72 bags to 375 bags capacity. Also higher capacity variants available for blood centers handling larger volumes.

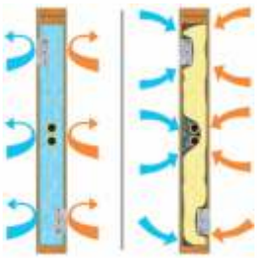


energy efficiency



Uniform PUF Non-Uniform PUF

No Air Gap Air Gaps



No Gaps & No Open air pockets
- Avoids loss of Temp.
- Avoids Moisture Accumulation
- Nullify impact of temp, & time on PUF quality

Specifications subject to change without notice

REMI Healthcare

Blood Bank Refrigerators

Salient Features :

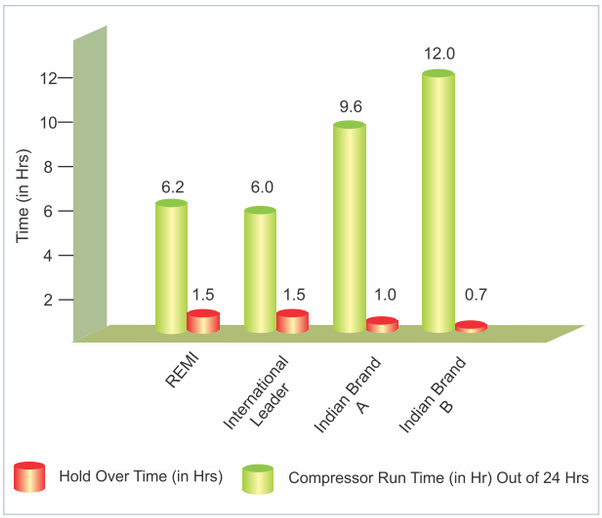
- Auto defrost mechanism to prevent frost formation
- Self-diagnosis & display of errors
- Safety thermostat for avoiding negative temperture
- Triple pane glass to pervent temperature loss
- Settable parameters for
  - ➢ Temperature set point
  - ➢ High/low temperature alarm point
  - ➢ Buzzer off time (LCD)
- Audio/Visual alarms for
  - ➢ Temperature high/low
  - ➢ Power failure
  - ➢ Sensor Open / Short
  - ➢ Door Open
  - ➢ Compressor on
  - ➢ Power on
- Communication through RS 485

LED Display

LCD Display

Compressor Functioning & Holdover Time

(Best in Class Insulation)



* Data on file

LCD Display

- 4 Inch attractive LCD display
- Intelligent Controller helps maintain temperature in case of sensor failure
- Self-Diagnosis for errors
- Histogram format of 24 hours temperature recording
- Memory for storage of upto 1000 records
- Centronic interface to record Temperature, Date, & Time by attaching Dot Matrix printer with adjustable print interval
- Alarm on equipment / output for remote alarm

Specifications subject to change without notice

REMI Healthcare

Blood Bank Refrigerators

- **Clever-Chip** (Ultra Model)
  - ➢ Provides crucial backup to maintain temperature in event of sensor failure

- Door close with green light indication
- Key Lock
- Control inner light
- Door open with red light indication

Flexi-Storage (optional)
Modular acrylic partitions to store blood bags upright

Technical Specifications

Particulars	BR 50	BR 50 Ultra	BR 120	BR 120 Ultra	BR 180	BR 180 Ultra	BR 240	BR 240 Ultra	BR 300	BR 300 Ultra
Temperature control	Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Display	LED	4" LCD	LED	4" LCD	LED	4" LCD	LED	4" LCD	LED	4" LCD
Internal dimensions W x D x H (mm)	540 x 520 x 560		660 x 765 x 650		660 x 765 x 850		660 x 765 x 1050		660 x 765 x 1250	
External dimensions W x D x H (mm)	640 x 685 x 1185		800 x 945 x 1205		800 x 945 x 1435		800 x 945 x 1635		800 x 945 x 1835	
Capacity (Liters)	158		330		430		530		630	
Capacity of blood bags	Up to 72		Up to 150		Up to 225		Up to 300		Up to 375	
Number of drawers	2		2		3		4		5	
Drawer capacity	Up to 36 bags		Up to 75 bags							
Temperature	Preset at $4^{\circ}C \pm 0.5^{\circ}C$									
Temperature alarm	$\geq 6^{\circ}C$ & $< 2^{\circ}C$, Audio visual alarm									
Internal body material	Stainless Steel 304 (AISI grade, Non corrosive, Non magnetic)									
External body material	Powder coated CRCA steel									
Insulation	50mm		80 mm, CFC free polyurethane foam							
Illumination	Fluorescent Lamp									
Recorder	Seven days circular chart recorder									
Noise level	Less than 65 db (A)									
Battery backup (Controller)	Rechargeable, maintenance free battery for Display, Alarm system & Chart recorder									
Recommended voltage stabilizer	VS 01		VS 02				VS 03			
Electrical	220-240 volts, 50 Hz, Single Phase									
Compliance	EN 60601-1,EN 60601-1-2, CE, US FDA									

Specifications subject to change without notice

REMI Healthcare

Deep Freezer

RFV 340 Plus

These Deep Freezers are designed for quick freezing and storing of Blood Components, Serum, Vaccines, Biological & Medical Specimens, Clinical Samples, etc. at low temperatures.
Engineered for just a little bit more, the new REMI series of Upright Freezers gives you up to -25°C instead of the conventional -20° C.

Salient Features :

- Plastic inner chamber; Outer body pre painted G.I.
- Quick freezing function
- Defogger for removing condensation from Glass door.
- Solid state temperature controller
- Adjustable shelves
- Low energy consumption and noise levels
- Auto door closure
- Door open alarm
- Wheels provided with leveling jack.
- Integrated door handle
- Forced air circulation for Better uniformity within chamber
- In Built Voltage Stabilizer

Technical Specifications		
Parameters	**RFV 245 Plus**	**RFV 340 Plus**
Capacity (liters)	245	340
Temperature Setting Range	Ambient to -25 °C	
Door	1	1
No. of Trays	5	5
External dimensions W x D x H (mm)	625 x 690 x 1830	625 x 690 x 2085
Supply	220-240 V, 50 Hz, Single Phase	

Specifications subject to change without notice

REMI Healthcare

Centrifuge Bucket Equalizer

CBZ-50 Plus

Quality Validation Made Easy

Centrifuge Bucket Equalizer (CBZ-50 Plus) is a Micro-processor controlled device specially designed to equalize the counter-facing buckets of centrifuge simultaneously. Eliminates the possibility of rotor imbalance & vibrations during centrifugation

Whole Blood | Packed RBC | Plasma | Platelets

First Time, feature of calculating volume of all components as per specific gravity

Salient Features:

- Optimum balancing with accuracy & precision. (Deviations ±0.01%)
- Conversion of weight to volume for all blood components
- Protective cover prevents accidental damage
- Independent tarring (zero balance) for both the pans
- Audio-visual alarm on equalization & error reporting
- Time saving & fatigue reduction
- Helps in achieving quality components

Technical Specifications	
Parameters	**CBZ-50 Plus**
Dimension (W x D x H)	320 x 415 x 110 (mm)
Weight (Kg)	8 kg
External Body	Encapsulated Body (Non Corrosive, Non Magnetic)
Accuracy	±0.5 gm / ±0.5 ml
Total Weight Capacity	6 kg
Electrical	230 Volts, 50 Hz, Single Phase

Specifications subject to change without notice

REMI Healthcare

2 CHAMBERS
INDEPENDENT OPERATIONS

2 COMPRESSORS
RELIABLE PERFORMANCE

2 CONTROLLERS
INDIVIDUAL PRECISIONS

12 CONTAINERS
FLEXIBLE ORGANIZATION

Temperature Range -20°C to -40°C (Each Chamber)

BLOOD BANKS I HOSPITALS I PHARMACIES I DIAGNOSTIC & RESEARCH LABS

CRYOFORT 525D

Flexible | Safe | Independent – Redefining Plasma & Biological Storage

Cryofort 525D features dual chambers with independent temperature control from –20°C to –40°C. Each chamber houses 6 removable containers, allowing staff to access individual containers without disturbing others, ensuring safe, organized, and flexible plasma storage.

Built in Removable Containers

Capacity: Each Container accommodates up to **28 plasma bags.** With **12 containers** distributed across two chambers, the **Cryofort 525D** provides a **total storage capacity of 336 plasma bags.**

Flexibility: Containers can be **removed or rearranged** as needed, allowing efficient use of chamber space based on varying storage requirements.

Organized & Safe Storage: Each container can be **individually labelled** for precise identification and inventory control. The dual-chamber design ensures **sample segregation** and enhances **storage safety** during operation with independent lockable doors with keys.

Humanized Design: Easy open Handles, three-dimensional door seals , multi-layer PUF insulation & anti-condensation design preserves temperature uniformity and safeguard sample integrity.

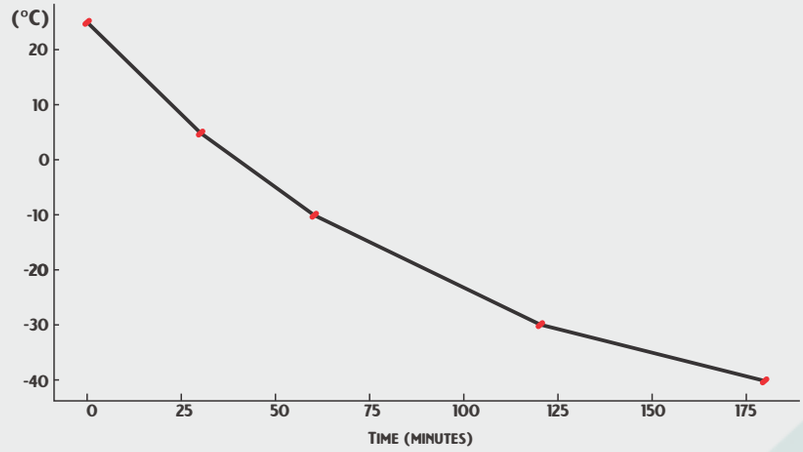
Robust Construction: Stainless Steel inner chamber ensures hygiene & durability; coated steel exterior provides long-lasting protection & fixed + universal castor wheels for effortless mobility.

Ease of Maintenance: No tools removable filters & accessible cable ports reduce downtime

Cryofort 525D

New Level of Flexibility in Plasma & Biologicals Storage

GRAPH OF TEMPERATURE PULL DOWN TIME (EMPTY UNIT: RAPID COOLING 25°C TO -40°C IN 180MINS)



PRECISE TEMPERATURE CONTROL: Microprocessor Temperature Control System, temperature accuracy 0.1 °C.

INDEPENDENT COOLING SYSTEM: The Cryofort 525D is equipped with **two separate compressors**, providing independent temperature control for each chamber.

DUAL TEMPERATURE CONTROL: Allows users to set and monitor the temperature of each chamber individually, offering precise thermal management across a range of **–20°C to –40°C.**

MULTI-ALARM SYSTEM: Independent Audio/Visual Alerts for Each Chamber

- High/ Low Temperature
- Power Failure
- Sensor Malfunction.
- Door Ajar
- Ambient Temperature Deviation

BACK UP SYSTEM: 8 hours Battery (inbuilt, self-rechargeable) Back up for display, alarm system & chart recorder enhances monitoring & reliability during power failures & maintenance.

DATA & COMPLIANCE: USB interface, Remote Alarm port & 7 days circular chart recorder (optional) allows temperature tracking & easy regulatory compliance.

SPECIALIZED CHART RECORDER WITH DUAL PEN FOR RECORDING TEMPERATURE OF BOTH CHAMBERS INDEPENDENTLY ON SINGLE GRAPH PAPER.

*UNIT AVAILABLE WITHOUT CHART RECORDER AT REDUCED COST.

CRYOFORT 525D

Safe. Precise. Effortless

CRYOFORT 525D

Technical Excellence Meets Practical Flexibility

TECHNICAL SPECIFICATIONS

MODEL	CRYOFORT 525D
Refrigeration System	Two Independent Cooling System
Temperature Range	-20°C to -40°C, Independently settable for each chamber
Control System & Display	LED, Microprocessor, independent display & control for each chamber
Temperature Accuracy	±0.1°C
Inner Chambers	Dual, Stainless Steel
Outer Body	Coated Steel
Outer Door	Insulated Dual Doors with individual locks
Insulation	Multi Layer, CFC Free PUF
Dimension (WxDxH)	866 X 811 X 1920 mm
Inner Dimension (WXDXH)	680 X 620 X 650 mm (Chamber-1) 680 X 620 X 650 mm (Chamber-2)
Storage System	12 Inbuilt & Removable Flexible Containers (6+6) Each Chamber
Total Volume	525 Liters (Both Chambers)
Mobility	Fixed + Universal Castors
Cooling Type & Defrost	Direct Cooling, Manual
Refrigerant	R 290- CFC, HCFC Free, Natural Refrigerant with Zero Ozone Depletion potential.
Alarms	Multi-Alarm System (Audio- Visual) independent for each chamber. Remote Alarms facility.
Battery Back Up	8 hrs for Display, Alarm system & Chart Recorder (Inbuilt, self-rechargeable 12V lead acid)
Data Acquisition & Transfer	USB
Circular Recorder (inbuilt, optional)	7 days circular chart recorder with dual pen to record temperature of both chamber on same graph independently
Noise Level	‹ 55 dba
Weight Nett/Gross	142/164 Kgs

Cryofort 525D – Flexible, Safe, Independent-Redefining the way Plasma and Biologicals are stored
Supply : 220-240 Volts, 50 Hz, Single Phase, Recommended Voltage Stabilizer 3Kva

REMI GROUP

Corporate Marketing Office

REMI SALES & ENGINEERING LIMITED

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ISO 9001:2015 ISO 13485:2016 NABCB QM016

REMI Healthcare

No More Stress
Two Compressors.

One - Promise
Uniterrupted -80°C

Even if one compressor fails,
keeps Your Samples safe.

The failure of a ULT freezer isn't just a machine breakdown—it's a race against time. High-capacity freezers storing thousands of samples are a critical part of your Blood Bank/ lab's workflow. A single fault can cause massive stress, potential loss of precious samples, and disruption to vital research

CRYOFORT UL *Series*

Ensures your peace of mind

Smart Technology for Smart Labs & Blood Banks

SMART INVERTER TECHNOLOGY

Variable speed compressors are coupled in the freezer, the compressors will work based on the loads and inter change fluctuation. The control system automatically tunes the speed of the compressors to optimize the operation.

ACTIVE ECO TECHNOLOGY OFFERS LOW ENERGY CONSUMPTION

Smart Inverter freezer coupled with environmentally safe and friendly hydrocarbon refrigeration system, allows the freezers to operate at a low level of energy consumption.

HIGH TEMPERATURE STABILITY

The innovative control algorithm balances the effects of temperature loss with the unique frequency conversion refrigeration system, ensuring the cabinet temperature stability.

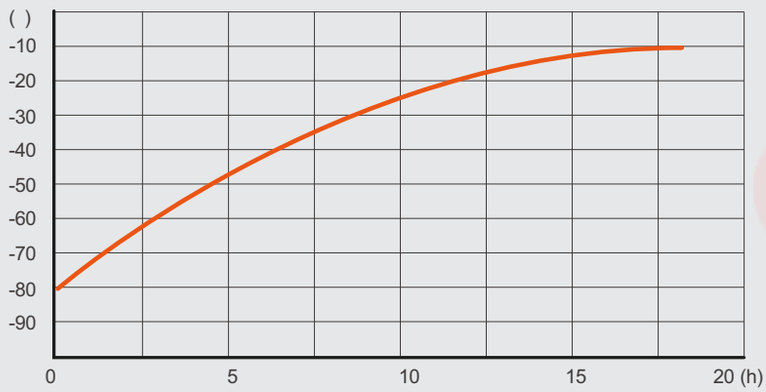
VIP PLUS VACUUM INSULATION

provides up to 30% more storage capacity than a conventionally insulated freezer.

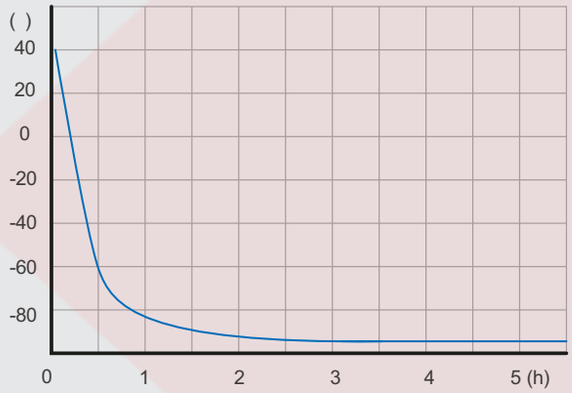
DUAL COMPRESSOR TECHNOLOGY

offer the highest level of security for high-value samples. Using two independent refrigeration systems, if one system fails, the other can maintain the freezer's temperature uniformly in the -80° range.

GRAPH OF TEMPERATURE HOLD OVER TIME



GRAPH OF TEMPERATURE PULL DOWN TIME



EXCEPTIONAL HOLD OVER PERFORMANCE even during power outage, the Cryofort UL maintains temperatures safely, taking 18 hours to rise from -80 °C to -10 °C

RAPID COOLING EFFICIENCY achieves ultra low temperature of -80 °C from +20 °C in just 3 hours at 25 °C ambient, ensuring faster readiness for critical storage.

AMBIENT 25°C, for optimal performance. However, unit can perform on an Ambient upto 32° C

CRYOFORT UL *Series*

Protecting your plasma, Protecting your peace of mind

REAL TIME VISIBILITY, TOTAL CONTROL, UNCOMPROMISED SAFETY.

State of the art 10.1" advanced touchscreen driven monitoring and alert systems, offers precise control, complete visibility, and total confidence in sample protection.

10.1" LARGE TOUCH SCREEN

Multi Visual System empowers you to monitor temperature, humidity and alarms in real time.
Highest level of safety for your samples & regulatory compliance as you can access detailed data & trends with ease

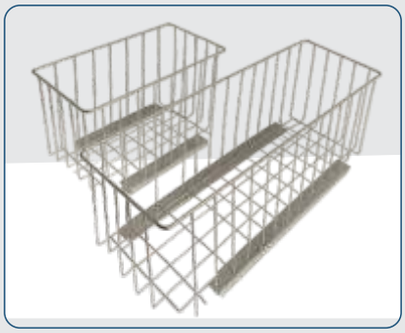
USB INTERFACE FOR DATA DOWNLOAD

MULTI LAYER SILICONE SEALING

Provides tight seal for reducing heat exchange
Better holdover time & less energy consumption

HEATED PRESSURE EQUALIZATION PORT

For quick access of samples.



STAINLESS STEEL PLASMA STORAGE CONTAINERS (OPTIONAL ACCESSERORIES AT ADDITIONAL COST)

Model No.: T01
Small size containers
Dimensions : 144 X 246 X130
Capacity- 6 Bags

Model No.: T02
Large Size Containers
Dimensions : 144 X 416 X130
Capacity – 12 Bags

STORAGE CAPACITY

Each shelf can accommodate both big and small plasma bag trays **(OPTIONAL ACCESSORY, AVAILABLE AT ADDITIONAL COST).**

Big tray: 12 plasma bags × 12 trays = 144 bags
Small tray: 6 plasma bags × 12 trays = 72 bags

Vials Capacity : Cryofort UL 825 - Maximum upto 60,000 vials of 2ml
Cryofort UL 600 - Maximum upto 40,000 vials of 2ml

Small Container Capacity
6 Nos. of bags

Big Container Capacity
12 Nos. of bags

CHART RECORDER (OPTIONAL ACCESSORY)

Cryofort UL 600 - Placement on Side panel (door opening side)
Cryofort UL 825 - Placement on Front panel

CRYOFORT UL *Series*

Your samples, your trust, our promise of peace of mind

CRYOFORT UL *Series*

Complete peace of mind

TECHNICAL SPECIFICATIONS

MODEL	CRYOFORT UL 825	CRYOFORT UL 600
Cabinet Type	Upright	
Sound Levels (dB)	51	
Defrost Type	Manual	
Cooling System	Twin Cooling	
Refrigerant	HCFC Free	
Capacity (L)	838	601
External Material	High Quality Coated Steel	
Internal Material	Stainless Steel	
No. of Inner Doors	4 Nos.	
Controller	Microprocessor	
Display Panel	10.1" LCD touch Display (TFT), Password Protected	
Temperature Range (°C)	-40~ -86	
Product Dimensions (mm)(w*d*h)	1175*995*1980	895*995*1980
Inerior Dimensions (mm)(w*d*h)	885*720*1310	638*720*1310
Power Supply	220-240~V/50Hz	
High Temperature Alarm	Y	
Low Temperature Alarm	Y	
Door Alarm	Y	
Power failure Alarm	Y	
High Condenser Temperature Alarm	Y	
Low Battery Alarm	Y	
Backup Battery Endurance	15 hr display & alarm backup | Rechargeable 12V, lead acid	
Sensor Failure Alarm	Y	
USB Interface	Y	
Frame anti-condensation	Y	
RS-485 Port	Optional	
Remote Alarm	Y	
5V power supply	Y	
Universal Wheel	Y	
Levelling Feet	Y	
Port Available	Temperature Probe	

Optional at additional Cost : Servo Controlled Voltage Stabilizer (Recommended 7 KVA)
LN2/CO2 back up
Supply : 220-240 Volts, 50 Hz, Single Phase

REMI GROUP

Corporate Marketing Office

REMI SALES & ENGINEERING LIMITED

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E-mail: customercare@remilabworld.com / contact.hcd@remigroup.com

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REMI Healthcare

INTRODUCING

World's first dual function plasma freezing solution

>> INNOVATIVE >> FAST >> AFFORDABLE
>> MADE FOR INDIA.

CRYOPRES
DUO STORE

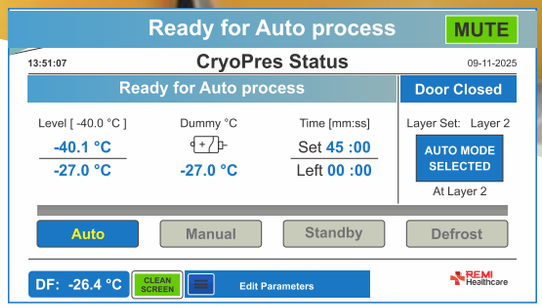
REMI's **Cryopres Duo Store** combines a **Contact Shock Freezer** and a **-40°C Deep Freezer** in one vertical unit, **revolutionising Plasma Freezing & storage.**

Designed specifically for blood banks, this innovation ensures that **plasma is frozen within one hour preserving essential coagulation factors and meeting pharmaceutical grade plasma quality requirements.**

CRYOPRES
DUO STORE

A Contact Shock Freezer for Every Blood Bank

REMI Healthcare



FREEZING PLATES

CryoPres Duo Store

Experience the unique dual function design which is powerful combination of contact shock freezer & -40 deg C Deep Freezer in one compact unit

Smart, Intuitive Operation

- Touch Screen Interface for effortless control of both freezing and storage functions.
- Real-time display of date, time, temperature, and operating status.
- Independent & alternate screen display for Contact Shock Freezer and Deep Freezer.
- Multi-alarm system for High/Low Temperature, Door Open, Power Failure, and Freezing in Progress alerts.
- Hot gas based Auto defrost.

Precision + Safety

- The Contact Shock Freezer door auto-locks during freezing cycle to ensure consistent thermal performance.
- Freezing Capacity: 12 Plasma Bags frozen to the core in just 45–50 minutes.
- Storage Capacity: 336 Litres, ideal for long-term plasma preservation.
- 7-day circular chart recorder for reliable temperature documentation of the storage compartment.

Built for Performance

- Inner & Outer Body: High-grade Stainless-Steel construction for durability and hygiene.
- Dual Function, Dual Assurance: Even when the Contact Shock Freezer is not in use, the display seamlessly switches to show the storage temperature.

CRYOPRES

DUO STORE

A Contact Shock Freezer for Every Blood Bank

REMI Healthcare

Mini Dry Baths & Dry Baths

NEW INTRODUCTION

DB-10

DB-10 XL

REMI dry bath adopts advanced design concept and manufacturing technology. A compact and sturdy structure, as well as strong versatility, easy operation makes it a good scientific research equipment. Microprocessor controlled for heating/cooling. Widely used in sample preservation and reaction, DNA amplification and electrophoresis of pre-denaturation, serum coagulation, medicine, chemical industry, food safety, quality inspection environment etc.

Optional for DB-10 XL: Hightened lid suitable for blocks model No. M-24x5, M-12x5 /15 and M-6x50 at extra cost

Technical Data

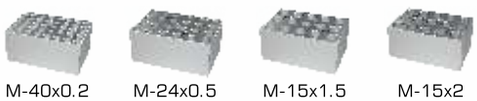
Model	DB-10	DB-10 XL
Temperature Range	Room temp. minus 15°C to 100°C	
Temperature Stability	±0.5°C	
Display	LCD for Temperature & Time	
Max heating rate	5°C / min	
Multi-program operation	Yes	
No. of Programs	9	
Time Setting Range	5s-23h59min	
Dimension (WxDxH)	115x160x100mm	160x170x102mm

Supply: 220-240 Volts, 50Hz Single Phase.

A wide variety of **replaceable aluminium blocks** (to be ordered separately) for different types of tubes make the units truly versatile. **Cooling is achieved by Peltier technology. Audio indication on completion of cycle.**

Essential Heating Blocks for DB-10 & DB-10 XL (To be ordered separately)

Mini Dry Bath DB-10		Dry Bath DB-10 XL	
Block Model No.	**Capacity**	**Block Model No.**	**Capacity**
M-40x0.2	40 x 0.2ml tubes	M-96x0.2	96 x 0.2ml tubes
M-24x0.5	24 x 0.5ml tubes	M-48x0.5	48 x 0.5ml tubes
M-15x1.5	15 x 1.5ml conical bottom tubes	M-35x1.5	35 x 1.5ml conical bottom tubes
M-15x2	15 x 2.0 ml round bottom tubes	M-35x2	35 x 2.0ml round bottom tubes
		M-24x5	24 x 5ml blood tubes
		M-12x5/15	12 x 5ml micro/15ml conical tubes
		M-6x50	6 x 50ml conical tubes



M-40x0.2 M-24x0.5 M-15x1.5 M-15x2

M-96x0.2 M-48x0.5 M-35x1.5 M-35x2 M-24x5 M-12x5/15 M-6x50

Specifications subject to change without notice

REMI Healthcare

Dry Bath Shakers

NEW INTRODUCTION

DBS-10

Heat Lid

REMI DRY BATH SHAKING INCUBATOR adopts advanced design concept and manufacturing technology. It has the advantages of compact and firm structure, high versatility and simple operation. **DRY BATH SHAKING INCUBATOR** has multi-purpose functions such as cooling, heating and shaking. It is ideal for sample incubation, catalysis, mixing and storage.

A wide variety of **replaceable aluminium blocks** (to be ordered separately) for different types of tubes make the unit truly versatile. **Cooling is achieved by Peltier technology**. Audio indication on completion of cycle. **Safety protection for over speed running by Auto detection of block height.**

Technical Data

Model	DBS-10
Temperature Range	Room temp. minus 15°C to 100°C
Temperature Stability	±0.5°C
Max heating rate	5°C / min
No. of Programs	9
Sequential Program Run	Yes
Speed	100-1500 rpm(Low Block) / 100-800 rpm(High Block)
Timer Range	5secs - 24hours
Heat Lid for improved Temperature stability (Optional)	Suitable for MS-96x0.2, MS-24x0.5, MS-24x1.5, MS-24x2, MS-Flat
Dimension (WxDxH)	190x265x150mm

Supply: 220-240 Volts, 50Hz Single Phase.

Essential Blocks for DBS-10 (To be ordered separately)

Block Model No.	Block Height	Capacity
MS-96x0.2	Low	96 x 0.2ml tubes/96-well plate/PCR Strip
MS-24x0.5	Low	24 x 0.5ml tubes
MS-24x1.5	Low	24 x 1.5ml conical bottom tubes
MS-24x2	Low	24 x 2ml round bottom tubes
MS-8x15	High	8 x 15ml conical tubes
MS-4x50	High	4 x 50ml conical bottom tubes
MS-Flat	Low	Suitable for 96 well Elisa/Culture plate

MS-96x0.2

MS-24x0.5

MS-24x1.5

MS-24x2

MS-8x15

MS-4x50

MS-Flat

Specifications subject to change without notice

REMI Healthcare

Blood Donor Chair

- Contoured for better spine support, increases donor comfort & safety
- Natural feet high position increases blood flow, supports donation process
- High grade modulated FRP body (Fibre Reinforced Polymer) on steel frame
- Motorized remote slide control for head low - feet high (vice versa) position
- Non deformable PU foam with lumbar support grooves
- Long lasting eco-leather upholstery for easy maintenance
- Broad & adjustable hand rests supports phlebotomy
- Lockable castors to ensure firm ground holding
- Both side adjustable IV stand with 3 trays for accessories
- Interface for blood collection monitor

Technical Specifications

Parameters	Drizz IX
Seat width	652 mm
Length	1500 mm
Height max head side	1210 mm
Height max leg side	1050 mm
Seat height from floor	635 mm
Weight	75 kg
Weight capacity	200 kg
Hand rest dimension (W x L mm)	560 x 235
Compliance	IEC 60601-1, IEC 60601-1-2

Supply : 220-240 volts, 50 Hz, SINGLE PHASE

Specifications subject to change without notice

REMI Healthcare

Therapeutic Chairs

Comfort

Hygiene

Safety

Specifications subject to change without notice

REMI Healthcare

Therapeutic Chairs

1. Head rest adjustable for any comfortable position
2. Cushioned body supports for extra comfort
3. Movable (horizontal & vertical) fully padded broad armrests with glass holders
4. Adjustable foot rest with removable transparent plastic cover
5. Anti-fungal, Anti-bacterial, easy to clean leatherette upholstery
6. Sturdy & stable steel construction, allows load carrying capacity up to 200 kgs.
7. Best in class Dual lock, Anti-skid, Anti-static PU castors
8. Tissue paper / Towel holder
9. 2/3 independent motors for height, back & foot movements
10. Infusion stand, adjustable both sides
11. Emergency switch for head low position

Specifications subject to change without notice

REMI Healthcare

Therapeutic Chairs

The innovative design of the **Dzire 2x / 3X** Therapeutic Chair underlines the high quality standards. The comfortable upholstery creates a pleasant environment and feeling of wellbeing for patients. Two / Three electric motors offer simple and smooth movements of all desired positions further adding to patient relaxation whilst receiving treatment. The remote control provides greater flexibility as all desired chair positions can be adjusted easily.

Dzire Xtreme Comfort

- Specially designed for comfortable physiological posture
- Non Deformable Soft PU foam
- Dual Padded Back Cushion
- Adjustable Head Support
- Vertical & Horizontal Armrest Movement
- Ergonomically designed for Comfortable Posture
- Height adjustment –user friendly for clinical team (Dzire 3x)
- Smooth back rest and foot rest movement
- Easily movable infusion stand

Dzire Xtreme Hygiene

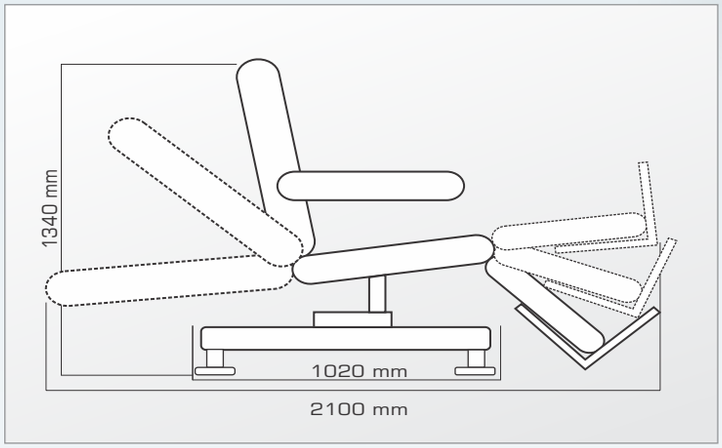
- Removable cushions for cleaning & maintenance
- Epoxy powder coated robust frame with rounded corners
- Anti-fungal, Anti-bacterial, easy to clean upholstery
- Elegant, easy to clean ABS moulded cover to prevent dust accumulation on mechanism

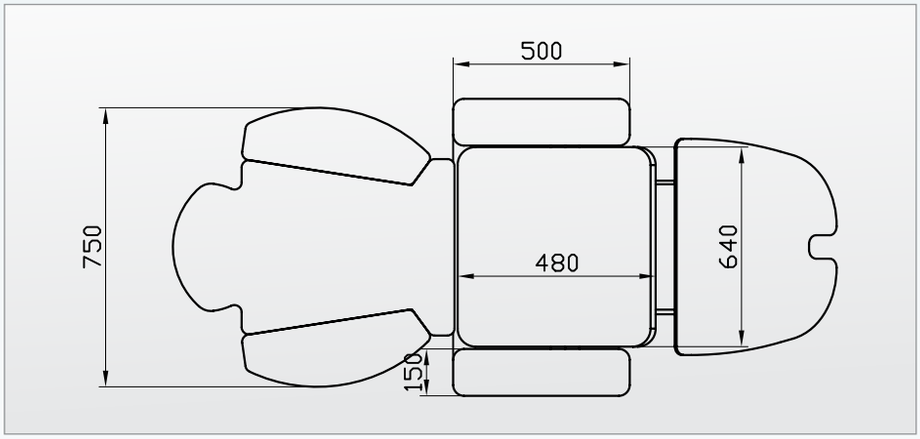
Dzire Xtreme Safety

- Single touch button for shock position - ensures patient safety
- Anti-static, Anti-skid, Dual lock PU castors
- Sturdy, stable & non-tilt design capable to take weight up to 200 kg

REMI Healthcare

Therapeutic Chairs





Technical Specifications

Parameters	Dzire 2X	Dzire 3X
No of Motors / Actuators	2	3
Motorized movement	Leg section, Back section	Leg section, Back section, Height adjustment
Foot rest	Spring loaded & Self-adjustable with removable plastic cover	
Wheels	Anti-static, Anti-skid, Dual lock PU castors	
Construction	Epoxy powder coated steel frame	
Removable cushion	Anti-fungal, Anti-bacterial,leatherette with CFC free PU foam	
Attachments	Infusion stand, adjustable both sides	
Hand rest movement	Vertical & Horizontal movement and Height adjustable	
Weight carrying capacity	200 kg	
Weight	75kg	85kg
Compliance	IEC 60601-1, IEC 60601-1-2	
Electrical	220v-240v 50Hz, Single phase	

*** Battery Backup (Optional)**

Specifications subject to change without notice

REMI Healthcare

The REMI Phlebotomy Chairs

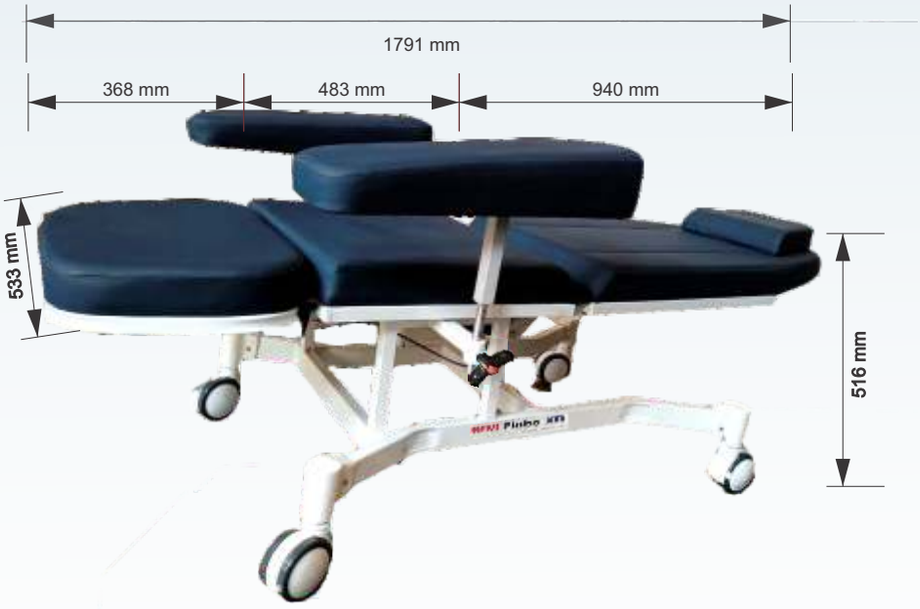
Flabo X

Flabo XR

REMI **Flabo X** and **Flabo XR** are advanced phlebotomy chairs designed for efficient sample collection and patient comfort.

While **Flabo X** is a fixed-position chair offering sturdy support and ergonomic armrest design, **Flabo XR** is a high-end recliner chair with independently adjustable leg and back sections through a dual hydraulic system.

REMI Healthcare



Additional Features of Flabo XR

- Equipped with a dual hydraulic system for independent leg and back section movement using separate levers.
- Reclining function allows transition from sitting to flat bed position, supporting patient assessment and comfort.
- Mounted on sturdy dual-lock PU castor wheels for emergency mobility.

Salient Features

Comfort

- Ergonomic design to ensure patient comfort during phlebotomy.
- Broad sitting space with non-deformable PU foam accommodates even obese patients (up to 150 kg).

Support

- Broad, firm, and foamed handrest for enhanced arm support during blood collection.
- Handrest are adjustable vertically, horizontally, forward and backward to help achieve ideal phlebotomy positioning.
- Soft cushioned headrest adds extra support for reclining patients.
- Robust steel frame construction ensures long-term durability and stability in both models.

Hygiene

- Stain-resistant and washable PU upholstery.
- Smooth and rounded edges make cleaning simple and efficient.

Technical Specifications

Parameters	Flabo XR	Flabo X
Overall Dimensions (L X W X H)	1791 x 533 x 516 mm	760 x 770 x 1230 mm
Weight	35 kg	25 kg
Possible postures	Flat bed & Sitting posture	Sitting posture
Hydraulic system	2 (for Leg & Back section)	-
Load caring capacity	150 kg (max)	150 kg (max)

Specifications subject to change without notice

REMI Healthcare

REMI Cooling Incubator

Precise Incubation for Reliable Results

REMI Bacteriological Incubators HCI Series available in two variants- **Base** and **Ultra**, are meticulously engineered to provide a stable and controlled environment for bacterial culture growth, essential in microbiological and biological laboratories. It combines advanced technology with robust construction to ensure reliability, accuracy, and longevity. It is designed for optimal growth conditions, ideal for bacterial culture incubation.

HCI 460 Ultra

- **Durable exterior of epoxy powder coated GI sheet** protects from corrosion & ensures the incubator withstands harsh laboratory environments while maintaining its aesthetic appeal.
- **Inner chamber of High Grade Stainless Steel (SS304),** ensures a contamination free environment, essential for sensitive microbiological work.
- **Toughened Insulated Glass Door** for easy monitoring of the samples The glass is double glazed for enhanced insulation and durability, ensuring that the internal environment remains stable.
- **Adjustable Stainless Steel** wired shelves are provided, allowing customization of the internal space to accommodate various sizes of culture vessels and laboratory equipment. The shelves are easy to remove and clean, facilitating proper maintenance.
- **CFC Free PUF insulation and energy efficient** design reduce operational costs.
- **Forced air circulation system** ensures superior temperature uniformity throughout the chamber, which is especially critical for sensitive samples
- **Inbuilt Voltage Stabilizer** for uninterrupted performance.
- **Audio-Visual Alarms**
  - Temperature Variation
  - Door Open
  - Power Failure
  - Sensor Failure

REMI Healthcare

LCD Display

Additional Features of Ultra Variant

- **LCD Display:** Clear, user-friendly display for monitoring and control.
- **In-Built Data Logging:** Automatically records temperature data, date, time, alarm events for compliance and analysis.
- **Temperature Records: Displays** records of the past 24 hours along with alarm events on the LCD screen.
- **RS 485 Port:** Enables connectivity with a PC for real-time monitoring and data transfer.
- **Optional:** Allows precise timing of experiments. The alarm system notifies the user when the set time is achieved, but the incubator continues to operate to maintain sample conditions.

Technical Specifications

Particulars	HCI 200	HCI 200 Ultra	HCI 300	HCI 300 Ultra	HCI 350	HCI 350 Ultra	HCI 460	HCI 460 Ultra
Display	LED	4" LCD	LED	4" LCD	LED	4" LCD	LED	4" LCD
Internal Volume (Liters)	200		300		350		460	
No. of trays	2		3		4		5	
Internal Dimensions W x D x H (mm)	420 x 445 x 1118		500 x 500 x 1254		500 x 500 x 1504		560 x 570 x 1560	
External Dimensions W x D x H (mm)	500 x 726 x 1660		585 x 781 x 1792		583 x 781 x 2053		640 x 851 x 2135	
Temperature Range & Accuracy	5°C to 60°C, ± 0.5°C							
Temperature Control	Microprocessor with PT-100 sensor							
Temperature Variation Alarm	Set Temperature ± 2°C, Audio Visual Alarm							
Illumination	LED Strip							
Internal Body Material	Stainless Steel - 304 grade							
External Body Material	GI Sheet epoxy powder coated							
Insulation	Up to 50 mm, CFC free polyurethane foam							
Noise Level	Less Than 60 dB(A)							

Supply:220-240, 50Hz Single Phase

Specifications subject to change without notice

REMI Healthcare

Protect Blood Through Inherent Cold chain Gaps

HEMODESK S

Refrigerated Working Desk for Blood Bags

Critical Cold Chain Compliance*

Blood bags must be processed & stored withing 6 hrs of Donation
Blood unit remained out of storage for >30 minutes should not be restored

* AABB / DGHS Technical Manual

Hemodesk "Smart" is designed to deliver Smarter space utilization, Smarter temperature stability, and Smarter handling of blood bags. **Hemodesk S** is a practical, thoughtfully engineered design that bridges common cold chain gaps. Specially, during labelling of blood bags, inventory reconciliation, sorting, also during cross matching before issuing of blood.

Hemodesk S helps to preserve blood bags from microbial multiplication from uncontrolled working desk temperature. The technical staff can perform the critical procedures in the relaxed manner without manual errors, once they are sure of not evading **"The 30 Minutes Out of Storage Rule."**

Specifications subject to change without notice

REMI Healthcare

Refrigerated Working Desk

HEMODESK S

Salient features:

- Microprocessor controlled precise temperature at $4^{0}C \pm 2^{0}C$
- Interactive LCD display with feather touch key pad for user interface & settings
- Smooth cornered ergonomically designed working platform with polished stainless steel
- Insulated platform with high core density CFC free polyurethane foam to provide a rare combination of quick temperature cool down along with long holdover
- Working platform with downward slope along with the line of grooves for easy moisture drainage
- Acrylic cover with hydraulic hinges for smooth effortless operation
- Flat, transparent top surface allows clean visibility of stored blood bags
- Dual purpose design; when close, the cover acts as a visible working desk
- Standard platform height & under counter chair space along with footrest for comfortable working
- Silent operation with single sturdy compressor with power efficient operation
- Sturdy body with powder coated steel frame for long lasting performance
- Inbuilt automatic voltage stabilizer
- Audio / Visual alarm
  - Temperature Variation
  - Sensor Failure
  - System Error

4" LCD Display

Technical Specifications

Parameters	HEMODESK-S
Temperature control	Microprocessor
Display	4" LCD screen with feather touch key pad
Platform Size W x D (mm)	740 x 750
Temperature	Preset at $4^{0}C \pm 0.5^{0}C$ (audio visual alarm at temperature $< 2^{0}C$ or $\geq 6^{0}C$
Capacity	18 blood bags (if kept flat) / 24-27 blood bags (with overlapping edges)
Material	Platform :- Stainless Steel 304 (AISI grade, Non corrosive, Non Magnetic) Rest of Body :- Powder coated MS With ABS Covers, Platform Cover :- Acrylic
External Dimension	845 x 970 mm (W x D) / Height : 930 mm (Door Close) /1510 mm (Door Open) / 872 mm (Working Height)
No. of Doors	1
Noise Level	Less than 55 db(A)
Others	Dual lock castor wheels (anti-static, anti-skid)

Power Supply : 220-240 volts, 50 Hz, SINGLE PHASE

Specifications subject to change without notice

REMI Healthcare

Reagent Storage Lab Refrigerator – HLR Series

Precision Cooled Storage for Critical Laboratory Reagents

The HLR Series of Reagent Storage Lab Refrigerators is designed to meet the high standards of modern laboratories, research centers, and healthcare facilities. Engineered for optimal temperature stability and safety, these refrigerators provide a reliable solution for storing sensitive reagents, vaccines, and biological samples.

With microprocessor controlled temperature management, durable stainless steel interiors, and an intuitive alarm system, the HLR Series ensures your reagents are stored under optimal and safe conditions at all times.

HLR 460 Ultra

Product Highlights

- **Reliable Temperature Control:** Maintains a consistent range between +2°C to +8°C, ideal for reagent preservation.
- **Microprocessor Based Monitoring:** Advanced temperature control system using PT-100 sensors.
- **Visual & Audio Alarm System:** Alerts for temperature fluctuations, power failures, and door status.
- **Robust Build Quality:** Corrosion-resistant Stainless Steel (304 grade) interiors and powder-coated GI exterior.
- **Energy Efficient:** High-density polyurethane foam insulation ensures low energy consumption.
- **Low Noise Operation:** Operates quietly with sound levels < 60 dB(A), suitable for lab environments.
- **Inbuilt Stabilizer:** Equipped with a voltage stabilizer for uninterrupted performance.
- **Maintenance Free Battery Backup:** Ensures display and alarms stay functional during power outages.

Specifications subject to change without notice

REMI Healthcare

LCD Display

Additional Features of Ultra Variant

- **Display:** LCD Display with internal data logging.
- **Memory:** Stores up to 1000 temperature records.
- **Alarm Events:** Displays temperature records and alarm events on the LCD in the form of a histogram.
- **Past 24-Hour History:** Detailed temperature history display.
- **Connectivity:** RS 485 port for external connectivity and downloading temperature records to a PC via REMI Datasoft software.

Technical Specifications

Particulars	HLR 200	HLR 200 Ultra	HLR 300	HLR 300 Ultra	HLR 350	HLR 350 Ultra	HLR 460	HLR 460 Ultra
Display	LED	4" LCD	LED	4" LCD	LED	4" LCD	LED	4" LCD
Internal Volume (Liters)	200		300		350		460	
No. of trays	2		3		4		5	
Internal Dimensions W x D x H (mm)	420 x 445 x 1118		500 x 500 x 1254		500 x 500 x 1504		560 x 570 x 1560	
External Dimensions W x D x H (mm)	500 x 726 x 1660		585 x 781 x 1792		583 x 781 x 2053		640 x 851 x 2135	
Temperature Range & Accuracy	2°C to 8°C, ± 0.5°C							
Temperature Control	Microprocessor with PT-100 sensor							
Temperature Variation Alarm	Set Temperature ± 2°C, Audio Visual Alarm							
Illumination	LED Strip							
Internal Body Material	Stainless Steel - 304 grade							
External Body Material	GI Sheet epoxy powder coated							
Insulation	Up to 50 mm, CFC free polyurethane foam							
Noise Level	Less Than 60 dB(A)							

Supply:220-240, 50Hz Single Phase

Blood Bank Centrifuge

Exclusively Designed As Per Blood Bank SOPs

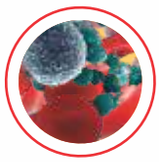
KBM 70 Plus

Packed Cells

Platelet Concentrate

Platelet Rich Plasma

Cryoprecipitate


Buffy Coat Separation

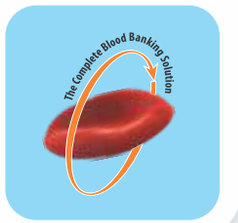
STANDARD BLOOD COMPONENT YIELD
STANDARD COMPONENT VOLUME

REMI Healthcare

Specifications subject to change without notice

REMI Healthcare

Blood Bank Centrifuge



KBM 70 Plus is the new generation microprocessor controlled blood bank centrifuge with forward thinking design and technology. Ideally used for centrifugation of whole blood for components separation like packed red cells, platelet rich plasma, platelet concentrate, cryoprecipitate and buffy coat etc.

Advance manufacturing techniques are used for mounting of brushless induction drive motor in PUF insulated, corrosion free, stainless steel armored chamber, resulting in minimized vibration and noise level. The smooth acceleration / deceleration helps in clear separation thus ensuring high quality component yield.

The rotor is designed to accommodate specific type of oval shaped metal buckets & plastic carriers for holding six blood bags of different volumes & configuration like 350 ml / 450ml, double / triple / quadruple, penta bags & inline-filter (quintuple) blood bags.

User-friendly software & controls helps in ease of operation. There is a unique facility for setting & controlling the centrifuge run either by RPM (speed) or RCF (g force) thus eliminating the need of manual calculations. Interactive menu driven program guides the operator through the setting process of run parameters & also the operational status while centrifuge is running.

State of the art microprocessor controller equips KBM 70 Plus with programs memory, this includes special program along with four sub programs for sequential operations. There are 9 acceleration & 10 deceleration profiles including coasting for optimum yield under different applications. The KBM 80 Plus comes with wide LCD display

Specially designed wind-shielded rotors reduces friction which helps in energy saving & better temperature management

Performance

- Speed holding accuracy +/- 10 RPM
- 9 acceleration & 10 deceleration profiles including coasting
- Temperature range from -10°C to +40°C
- Low noise level (≤ 55db)
- Tropicalized to run from 0°C to 40°C & RH up to 95%

Leading Technology

- Brush-less induction motor with frequency drive, practically maintenance free
- Advanced user friendly microprocessor control
- 51 programs memory & pre cooling
- Sequential program of speed, time & temperature with four sub programs
- Programmable centrifugation parameters for accurate control
- On board real time data logging, connectivity via RS 232 port
- Dedicated software for data analysis & reports

User Friendly

- Facility to set and indicate RPM or RCF
- Simultaneous display of set & run parameters
- Self-diagnosis of program errors
- Microprocessor controlled automatic lid opening with touch button
- Castor wheels with floor standing jacks for vibration free run
- Emergency lid opening provision in case of power failure

Safety

- Safety interlock to prevent lid opening during centrifugation
- Imbalance cut-off with indication
- Safety key lock to prevent unauthorized use
- Rotor over speed protection
- Alarms for imbalance, lid open, over temperature
- Tamper proof memory & last program recall

Specifications subject to change without notice

REMI Healthcare

Blood Bank Rotor, Metal Buckets & Plastic Buckets

Rotor Head & Bucket Set for 6 Blood Bag Capacity

K 711/M
6 place rotor to hold 6 metal carrier K 713

PB 713
Set of 6 plastic buckets
(suitable for one blood bag of 450 / 350 ml)

K 713
Set of 6 metal carrier each to hold one bag
(bucket volume 6 x 1000 ml)

SP 713 BF
Set of steel plates suitable for PB 713
(for buffycoat component processing)

Balancing Weights

REMI 1 gms

REMI 2 gms

REMI 4 gms

REMI 6 gms

Disc Shaped Weights

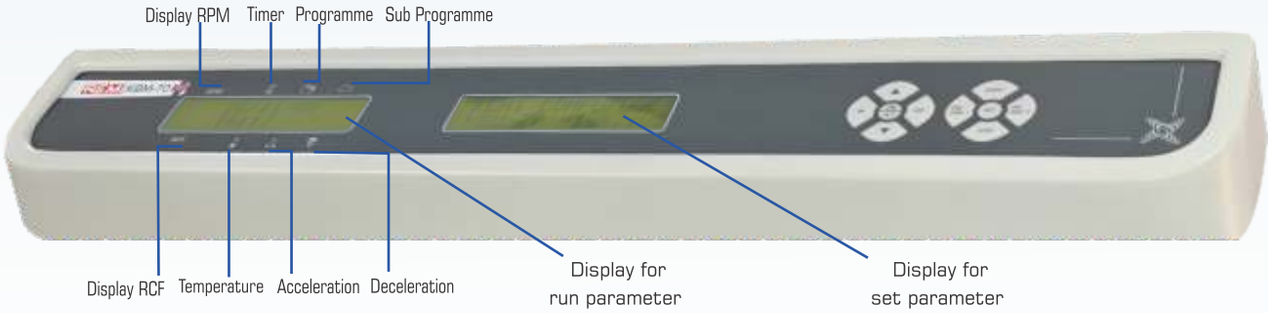
Set of round cornered & soft weights ensures counter balancing with safety of blood bags during centrifugation

Specifications subject to change without notice

REMI Healthcare

Blood Bank Centrifuge

• CONTROL PANEL KBM 70 Plus



• Simultaneous display of Set & run Parameter • Interactive Mode program setting • Touch key pad for user convenience

Technical specifications		
Parameter	**Unit**	**KBM 70 Plus**
Process controls	Type	Touch key pad
Menu driven program	Nos	51
Acceleration profile	Steps	1 - 9
Deceleration profile	Steps	1- 9 & coasting
Max. speed	mm	4280 settable ±10 RPM
Max. RCF	g	6000
Max time	min	0 - 99 min
Dimension (W X D X H)	mm	840 X 940 X 950
Recommended line voltage corrector	KVA	6
Compliance	EN 60601-1,EN 60601-1-2, CE	

Specifications subject to change without notice

Blood Bank Centrifuge

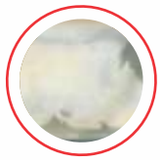
Exclusively Designed As Per Blood Bank SOPs

KBM 80 Plus

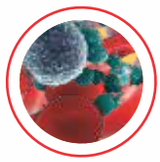
Packed Cells

Platelet Concentrate

Platelet Rich Plasma



Cryoprecipitate



Buffy Coat Separation

STANDARD BLOOD COMPONENT YIELD

STANDARD COMPONENT VOLUME

REMI Healthcare

Specifications subject to change without notice

REMI Healthcare

Blood Bank Centrifuge

KBM 80 Plus is the new generation microprocessor controlled blood bank centrifuge with forward thinking design and technology. Ideally used for centrifugation of whole blood for components separation like packed red cells, platelet rich plasma, platelet concentrate, cryoprecipitate and buffy coat etc.

Advance manufacturing techniques are used for mounting of brushless induction drive motor in PUF insulated, corrosion free, stainless steel armored chamber, resulting in minimized vibration and noise level. The smooth acceleration / deceleration helps in clear separation thus ensuring high quality component yield.

This centrifuge cater to the requirements of small, medium & large blood centers with flexibility to choose from 2 rotor options. The rotors are designed to accommodate specific type of oval shaped metal buckets & plastic carriers for holding eight & twelve blood bags of different volumes & configuration like 350 ml / 450ml, double / triple / quadruple, penta bags & inline-filter (quintuple) blood bags.

User-friendly software & controls helps in ease of operation. There is a unique facility for setting & controlling the centrifuge run either by RPM (speed) or RCF (g force) thus eliminating the need of manual calculations. Interactive menu driven program guides the operator through the setting process of run parameters & also the operational status while centrifuge is running.

Specially designed wing-shielded rotors reduces friction which helps in energy saving & better temperature management.

KBM 80 Plus comes with microprocessor controlled advanced HMI Touch Screen.

Features of Touch screen

- Facility to set 20 user profiles with identical password protected access
- Protected admin control for key parameters
- Display of realtime run graph with display set & run parameter
- Gloves friendly touch screen operation with option to connect with wireless mouse
- Onscreen manual, Troubleshooting & process guide

Performance

- Speed holding accuracy +/- 10 RPM
- Multiple acceleration & deceleration profiles
- Temperature range from -20°C to +40°C
- Low noise level (≤ 55db)
- Choice of 2 wind-shielded rotors to process 8 & 12 blood bags per cycle
- Tropicalized to run from 0°C to 40°C & RH up to 95%

Leading Technology

- Brush-less induction motor with frequency drive, practically maintenance free
- Advanced user friendly microprocessor control
- Programmable centrifugation parameters for accurate control
- Onboard real time user data log in with password protection
- Dedicated software for data analysis / PDF Reports, connectivity with USB
- Auto-adjustable effective centrifugal force irrespective of rotor load

User Friendly

- Facility to set and indicate RPM or RCF
- Simultaneous display of set & run parameters
- Self-diagnosis of program errors
- Microprocessor controlled automatic lid opening with touch button
- Log of 1000 run records on Touch screen
- Display of real time & Date
- Castor wheels with floor standing jacks for vibration free run
- Emergency lid opening provision in case of power failure
- Auto compressor cut off on lid opening

Safety

- Automatic lid interlocking and unlocking
- Imbalance cut-off with indication
- Safety key lock to prevent unauthorized use
- Rotor over speed protection
- Alarms for imbalance, lid open, over temperature
- Password protection for authorized access
- Tamper proof memory & last program recall
- Automatic Rotor identification & indication
- Automatic recovery of process in case of power interruption "Catch On Fly".

Specifications subject to change without notice

REMI Healthcare

Blood Bank Centrifuge

Easy Setup Programming & Monitoring

7”
Touch Screen

Technical Specifications

Parameter	Unit	KBM 80 Plus
Process controls	Type	HMI Touch screen
Menu driven program	Nos	400
Acceleration profile	Steps	1-15
Deceleration profile (incl.coasting)	Steps	1-15
Max. speed	RPM	4200 settable ±10 RPM
Max. RCF	g	6300
Max time	hh:min	0 to 99 hr 59 min 59 sec, Hold function
Compatible Rotors	Code	K 741e / K 751e
Dimension (W X D X H)	mm	840 X 940 X 950
Compliance	IEC 61010-2-020:2016,IEC 61010-1:2016, EN 60601-1,EN 60601-1-2, CE, US FDA	

Optional: Servo controlled voltage stabilizer

Supply : 220-240 volts, 50Hz, Single phase

Specifications subject to change without notice

REMI Healthcare

Blood Bank Rotors, Metal Buckets & Plastic Buckets

Rotor Head & Bucket Set for 8 Blood Bag Capacity

K 741e

4 place rotor to hold 4 metal carrier K 743

PB 743 L / PB 743 M

Set of 4 plastic bucket
(suitable for 2 blood bags of 450 / 350 ml each)

K 743

Set of 4 metal carrier each to hold 2 bag
(bucket volume 2 x 4 x 1000 ml)

PB 743 BF

Set of 4 plastic bucket with hook adaptor
(for buffycoat component processing)

PB 743 XL

Set of 4 nos each Plastic buckets for Quadruple, Penta Inline
filter bags suitable for metal carriers K 743

Rotor Head & Bucket Set for 12 Blood Bag Capacity

K 751e

6 place rotor to hold 6 metal carrier K 753

PB 753 L / PB 753 M

Set of 6 plastic bucket
(suitable for 2 blood bags of 450 / 350 ml)

K 753

Set of 6 metal carrier each to hold 2 bag
(bucket volume 2 x 6 x 1000 ml)

PB 753 BF

Set of 6 plastic bucket with hook adaptor
(for buffycoat component processing)

PB 753 XL

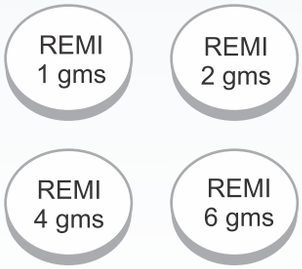
Set of 6 nos each Plastic buckets for Quadruple, Penta Inline
filter bags suitable for metal carriers K 753

Specifications subject to change without notice

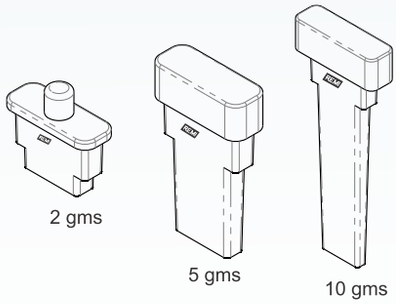
REMI Healthcare

Blood Bank Centrifuge

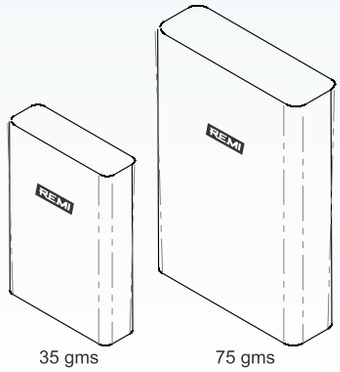
Balancing Weights



Disc Shaped Weights



Rod Shaped Weights



High Capacity Compensation Weights

Set of round cornered & soft weights ensures counter balancing with safety of blood bags during centrifugation

Data Acquisition System

These centrifuges have inbuilt system to collect & store all data related to centrifugation process like operator code, process type, time, temp, RPM, RCF, acceleration, deceleration & process status etc. The data from the centrifuge can be transferred to a computer using a data interface. This data can be used by blood centers for quality analysis & control.

Data Direct Download in Pen Drive via USB Port

Specifications subject to change without notice

REMI Healthcare

Blood Bank Centrifuge

REMI KBM 80 Plus meets the component separation guidelines by AABB & DGHS

Important Parameter for Quality Components	Procedural Requirements *(as per AABB & DGHS manual)**	Technical Features KBM 80 Plus
Centrifugal Force (RCF)	5000 g *Heavy spin - Max. RCF*	**Up to 6300 g**
Temperature Range	Need temperature 22°C±2°C to run PRP method & Buffycoat method, 4°C to run FFP & Cryoprecipitate method	**Achieves both desired temperature of 22°C & 4°C with accuracy of ±1°C along with setting range of -20°C to +40°C**
Calibration	Must be calibrated for speed & Time for various component preparation	**Special eyelet window for quick calibration**
Imbalance	Contents in opposing cups must be equal in weight to improve centrifuge efficiency	**Imbalance Cutoff with indication to ensure component quality as well as safety**

American Association of Blood Banks

* *AABB Technical Manual, 15th edition; 2005; Table 7.4-1. Centrifugation for Component Preparation; pg.827*

* *Transfusion Medicine Technical Manual DGHS, 2nd edition; 2003, Blood component preparation & Use, pg.195*

Directorate General of Health Services,GOI

American Association of Blood Banks

Need of Centrifuge Optimization for Quality Enhancement

Each individual centrifuge must be evaluated for the preparation of the various components.

* *AABB Technical Manual, 15th edition; 2005; Table 7.4-1. Centrifugation for Component Preparation; pg.827*

Centrifugation Variables : Centrifugation speeds (relative centrifugal force) and times should be standardized for each piece of equipment.

* *AABB Technical Manual, 15th edition; 2005; General Laboratory Methods; Centrifugation Variables; pg.716*

High g forces are of theoretical concern because they may damage the platelets when they are forced against the wall of the container.

* *AABB Technical Manual, 15th edition; 2005;* Methods Section 6: Blood Collection, Storage, and Component Preparation; pg 817

REMI Provides Application Support for Quality Validation & Standard Results

Specifications subject to change without notice

REMI Healthcare

Blood Bank Centrifuge

INTRODUCING

KBM 90 Plus

16 BAGS CAPACITY

Your Success- Our Centrifuges

A legacy of Excellence for over 60 years, REMI has been at the forefront of centrifugation technology. with unwavering commitment to innovation, we've harnessed our expertise to create a centrifuge that stands tall among global brands.
At REMI, we firmly believe in Affordable Excellence - your institution can now enjoy world-class performance without compromising on

KBM 90 Plus

Your Success- Our Centrifuges

Engineered with unmatched precision to deliver consistent and reliable results, every time.

KBM 90 Plus is the next generation centrifuge with High-speed precision. Our centrifuge ensures quick and accurate separation of Blood Components. KBM 90 Plus with 12 bags & 16 bags capacity Rotor options is ideally suited for Blood Banks handling large volumes, compatibility with all types of Blood Bags 450/350 ml volume with configuration like Double, Triple, Quadruple & Quintuple including inline filters.

KBM 90 Plus

Your Success- Our Centrifuges

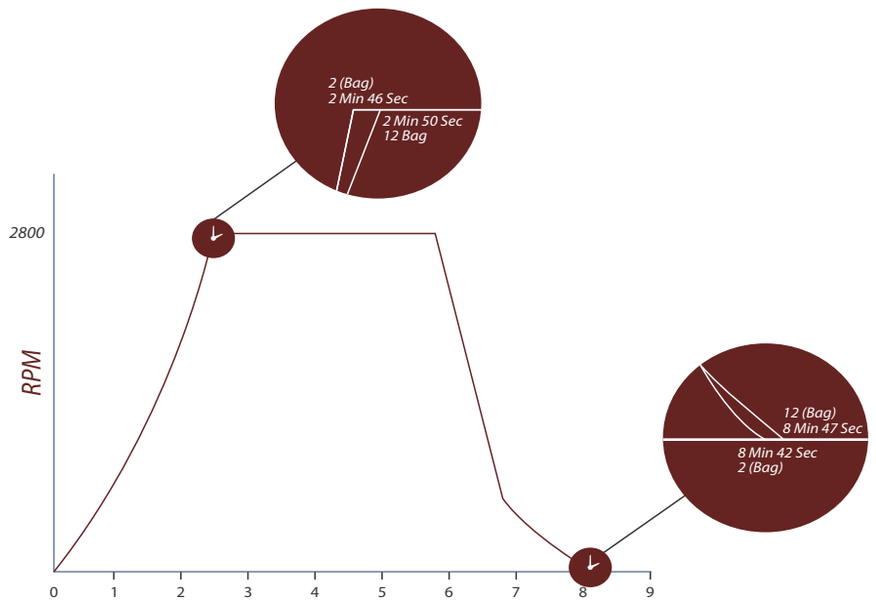
Breakthrough Performance with Advanced Features.

"Adaptive Acceleration Control" in KBM 90 Plus offers

Dynamic and intelligent system that adjusts acceleration time on the fly, ensuring optimal centrifugation performance for every run. Advanced software algorithm that revolutionizes the way acceleration is managed, completely independent of load.

Traditionally, centrifuge acceleration profiles were fixed, leading to potential sample disruption or uneven results when dealing with varying load sizes and densities.

- **Load Agnostic Efficiency** – Regardless of sample size or density, **KBM 90 Plus** adapts to the specific conditions, reducing processing time and minimizing the risk of sample damage.
- **Enhanced Data Consistency-** The software algorithm maintains consistent acceleration profiles leading to more reproducible results.
- **Safety Assurance:** Our adaptive algorithm includes built- in safety protocols, preventing excessive acceleration that could jeopardize sample integrity.
- **Increased Throughput:** Faster, more efficient runs means improved blood bank productivity and reduced turnaround times.



Verified by internationally accredited testing agency of repute.

**Adaptive Acceleration Control of KBM 90 Plus automatically adjusts the centrifugal effect of varying load during acceleration itself, unlike other brands which requires run time adjustment programming due to significant impact of load on acceleration"*

Advanced Door Automation

- Door opening & closing with onboard touch screen buttons
- Auto lifting & closing of inner rotor lid, no need for manual removal & fixing of inner rotor lid during centrifugation process
- Emergency door opening in event of power failure through

KBM 90 Plus

Your Success- Our Centrifuges

Advanced Touch Screen

- Gloves Friendly operation with menu driven settings
- Intuitive interface offers immersive & engaging experience
- Visual feedback for your actions, reducing the likelihood of errors & enhancing your confidence in using the product

Data Acquisition System

In built system to collect & store all data related to centrifugation process like operator code, process type, time, temperature, RPM, RCF, Acceleration, Deceleration & process status etc. The data from the centrifuge can be extracted in the form of report through USB interface. The data can be used by blood banks for quality analysis & control.

Remote Monitoring from Mobile

- Casting of live screen with dedicated mobile application
- Remote monitoring of run status & controlling centrifuge functioning
- Mobile App identifies & configures centrifuges

KBM 90 Plus

Your Success- Our Centrifuges

Performance

- Wind shielded rotors offer energy saving & better temperature management
- Speed holding accuracy +/- 10 RPM
- Multiple acceleration & deceleration profiles
- Facility to set sequential programs under one program
- Temperature setting range from - 20deg C to + 40 deg C
- Low Noise Level < 55 dba
- Choice of 2 wind - shielded rotors with capacity to process 12 & 16 blood bags
- Tropicalized to run from 0 deg C to + 40 deg C & RH upto 95%

Leading Technology

- Advanced user friendly fully microprocessor-controlled centrifuge
- Brush less induction motor with frequency drive, practically maintenance free
- Programmable centrifugation parameters for accurate control
- Onboard real time user data log in with password protection
- Dedicated software for data analysis/PDF reports, connectivity with USB
- Auto adjustable centrifugal force through Adaptive Acceleration Control
- Auto compressor cut off on lid opening
- Notification on screen when condensed water container is full and to be emptied out.

User Friendly

- Facility to set & indicate RPM or RCF
- Facility to set 20 user profiles with password protected access
- Tamper Proof programming with protected admin control for key parameters
- Display of real time run graph with set & run parameters
- Programmable memory with facility to set upto 400 centrifugation programs , 20 programs under each user profile
- Onscreen manual, Troubleshooting & process guide
- Self diagnosis of errors
- Log of 1000 run records on Touch screen

Safety

- Armored Chamber ensures minimized vibration & noise level
- Automatic lid interlocking when the rotor is in motion & unlocking only when rotor stops completely
- Imbalance detection, cut off automatically with indication & alarm
- Rotor over speed protection
- Alarms for imbalance, lid open, over temperature
- Password protection for authorized access
- Tamper proof program memory & last program recall
- Automatic Rotor Identification, display on screen
- Plastic buckets with slots to hold balancing weights separately
- Rotor Cycle counter with end of life notification
- Recovery of process in case of power interruption
- Castor wheels with floor standing jacks for vibration free run

Rotor & Buckets Specification

Rotor Head & Bucket Set for 16 Blood Bag Capacity

K 761 - 8 Place rotor to hold swinging metal carriers having capacity to process 16 blood bags, 2 in each carrier.

Maximum RPM 3900

Total Volume Capacity (8 X 2 X 1000ml).

K 763- Set of 8 metal carriers suitable for rotor head K 761, having capacity to hold 2 blood bags in each carrier.

PB 763 L /PB 763 M – Set of 8 Large size/ Medium size Plastic Carriers to hold 2 blood bags each.

PB 763 XL - Set of 8 Extra Large size Plastic Carriers to hold quintuple, inline filter blood bags, 2 in each Carrier

PB 763 BF - Set of 8 Medium size Plastic Carriers with hook adaptors to hold 2 small volume bags in upright position. Ideally suited for preparing of Platelet Concentrate from PRP/ buffycoat.

Rotor Head & Bucket Set for 12 Blood Bag Capacity

K 751 XR - 6 Place rotor to hold swinging metal carriers having capacity to process 12 blood bags, 2 in each carrier.

Maximum RPM 4700

Total Volume Capacity (6 X 2 X 1000 ml)

K 753 - Set of 6 metal carriers suitable for rotor head K 751 XR, having capacity to hold 2 blood bags in each carrier.

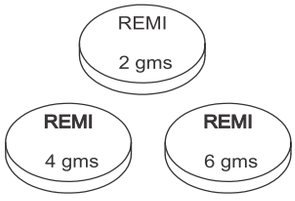
PB 753 L /PB 753 M - Set of 6 Large size/ Medium size Plastic Carriers to hold 2 blood bags each.

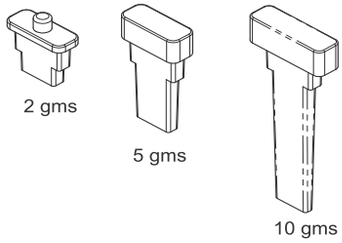
PB 753 BF - Set of 6 Medium size Plastic Carriers with hook adaptors to hold 2 small volume bags in upright position. Ideally suited for preparing of Platelet Concentrate from PRP/ buffycoat.

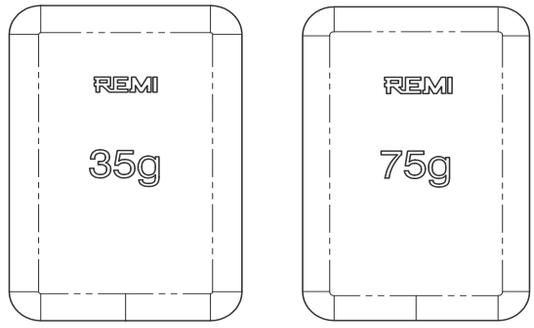
PB 753 XL - Set of 6 Extra Large size Plastic Carriers to hold quintuple, inline filter blood bags, 2 in each carrier.

Balancing Weights

Set of round cornered balancing weights available in different configurations to ensure counter balancing with safety of blood bags during centrifugation.







KBM 90 Plus

Your Success- Our Centrifuges

TECHNICAL SPECIFICATIONS

Parameter	Unit	KBM 90 Plus	
Process Control	Type	HMI Touch Screen	
Compatible Rotors	Code	K 751 XR	K 761
Max Speed	RPM	4700 settable +/- 1 RPM	3900 settable +/- 1 RPM
Max RCF	g	7286 X g	5612 X g
Menu Driven Program	Nos	400	
Acceleration Profile	Steps	1-15	
Deceleration Profile (incl coasting)	Steps	1-15	
Drive Technology		Brushless induction motor with frequency drive	
Adaptive Acceleration Control		Yes	
Timer Modes	Type	At start, at speed	
Step Runs		Yes, multiple profiles/speed/time triplets upto 3 steps each	
Rotor Cycle Log		Yes	
Imbalance Detection		Yes, imbalance detection with process abort notification & alarm	
Pre cooling Function		Yes, two precool programs for + 4 deg C & + 22 degC	
Weight		600 kg	
Power Consumption		6200 VA	
Max Time	hh: min	0 to 99 hr 59 mins 59 sec, Hold function	
Dimensions (W x D X H)	mm	950 x 1160 x 1010	
Compliance		IEC 61010-1:2016, IEC 61010-2-020:2016, EN 61326	

Optional : Servo Controlled Voltage Stabilizer (Recommended 7 KVA)
Supply : 220-240 Volts, 50 Hz, Single Phase

REMI GROUP

Corporate Marketing Office

REMI SALES & ENGINEERING LIMITED

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E-mail: customercare@remilabworld.com / contact.hcd@remigroup.com

Branches

• Ahmedabad • Bengaluru • Chennai • Goa • Indore • Jaipur • Kanpur
• Kolkata • Kochi • Nagpur • New Delhi • Secunderabad • Vijayawada

REMI Healthcare

Mobile Transport Box
MBT Series

MBT 100

MBT 100 is a refrigerated mobile transport box for easy & safe transfer of temperature sensitive biological products.

It provides active temperature control with a compact powerful compressor. The flexibility of operations with options of AC / DC power makes it an ideal choice in maintaining cold chain on the move.

The wide temperature setting range supports requirement of different products. The display & alarm system control helps in continuous monitoring of temperature.

Salient Feature

- Digital display of temperature
- High / low temperature alarm
- Wide temperature range (-20°C to +24°C)
- CFC Free Refrigerant R134a
- Lockable castor wheels with recessed handle
- SS Hinges & pad lockable door latch for easy closure of lid

Technical Specifications

Parameters	Unit	MBT 100
Dimension (L x W x H)	mm	500 x 825 x 635
Basket Shelves	3 Nos	One small & two regular baskets
Capacity	Ltr	100
Weight	Kg	30
Temperature range	°C	-20°C to + 24°C
Voltage	V	DC : 12 / 24 V & AC : 220-240V, 50Hz
Body Construct	Powder coated CRCA Steel exterior & AL inner lining	

Specifications subject to change without notice

REMI Healthcare

Medico
Doctor Centrifuges

C - 852

R - 303

C - 854 / 8

Medico / Doctor Centrifuges
These are low priced units meeting the majority of the small capacity centrifuging requirements of medical practitioners, pathological laboratories and hospitals for routine centrifuging tests.

The units are fitted with resiliently mounted motor for vibration free performance having built in 5 step speed regulator. Available with Swing out or Angle rotor.

Technical Specifications

Parameters	C-852	C-854/4	C-854/6	C-854/8	R-303	R-304
Capacity (ml)	4 x15	4 x15	6 x15	8 x15	8 x15	
Type of Rotor	Swing Out				Angle	
No. of Tubes	4	4	6	8	8	
Max. Speed (RPM)	3500	3500	3500	3500	3800	
Max. RCF ('g')	1750	1850	1600	1600	1450	
W x D x H (mm)	295 x 295 x 250	310 x 310 x 295			210 x 210 x 250	
Supply: 220-240 Volts, 50 Hz Single Phase.						

Discontinued

REMI Healthcare

Micro Centrifuges

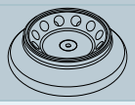
NEW INTRODUCTION

RM-03 Pro

Salient Features for RM-03 Pro:

- 9 Memory programs
- Safety lid lock to prevent running unless lid is closed
- LCD display of parameters
- BLDC Motor
- Supplied with 2 Rotors
- Safety over temperature cut-off for sample protection

Rotors for RM-03 Pro



Micro Tube Rotor
Max speed RPM 14500
Max RCF (g) 14104

Image of Tube			
Tube Capacity (ml)	2	0.5	0.2
Type of Tube	Micro	Micro	Micro
Insert Supplied	No	Yes	Yes
No of tubes/Insert	-	1	1
No of tubes/rotor	12	12	12
Ø x L (mm)	11 x 41	7.5 x 31	6 x 22
Tubes supplied	No	No	No

4 Strips PCR Rotor
Max. Speed RPM 14500
Max RCF (g) 12576

Image of Tube	
Tube Capacity (ml)	4 Strips of 8 x 0.2
Type of Tube	PCR
No of tubes/rotor	4
Ø x L (mm)	6 x 78
Tubes supplied	No

(Rotor supplied with all suitable inserts)

Technical Data

Model	RM-03 Pro
Max Speed	14500rpm
Max. RCF	14100g
Rotor Supplied	Micro tube rotor, PCR strip rotor
Timer range	30secs-59min
No. of Programs	9
Dimension (WxDxH) (mm)	180x270x105

Supply: 220-240 Volts, 50 Hz Single Phase.

REMI Healthcare

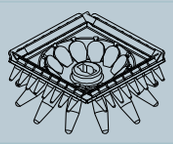
Mini Centrifuges

NEW INTRODUCTION

RM-02 Pro

- **Salient Features for RM-02 Pro**
- Higher Speed upto 7000 RPM
- Multi-rotor, more working capacity
- Low Centre of gravity for stable operation
- High frequency and wide voltage
- Low noise
- Supplied with Hybrid Rotor-accomodates microtubes & PCR Strips

Rotor for RM-02 Pro



Micro Hybrid Rotor
Max speed RPM 7000
Max RCF (g) 3280

Image of Tube	/			
Tube Capacity (ml)	2 / 1.5	0.5	0.2	4 Strips of 8 x 0.2
Type of Tube	Micro	Micro	Micro	PCR
Insert Supplied	No	Yes	Yes	No
No. of tubes/Insert	-	1	1	-
No. of tubes/rotor	12	12	12	4
Ø x L (mm)	11 x 41	7.5 x 31	6 x 22	6 x 78
Tube supplied	No	No	No	No

(Rotor supplied with all suitable inserts)

Technical Data

Model	RM-02 Pro
Control Mode	Digital Display & Button
Max Speed	7000rpm
Max RCF	3280xg
Timer Range	10sec-99min
Dimension (W x D x H) (mm)	180 x 185 x 135

Supply: 220-240 Volts, 50 Hz Single Phase

Specifications subject to change without notice

REMI Healthcare

Smart Vortex Mixers

Salient Features for CM-101 Pro:

- Automatic start / stop on sensing operator hand
- Soft silicon cap
- Visual indication of mixing
- Large mixing area
- Feather touch keys
- Adjustable Speed
- Suitable for a variety of containers

CM-101 Pro

Technical Data	
Model	**CM-101 Pro**
Speed Range	100-3000 rpm
RPM Increment	100 rpm
Control Mode	Continuous / Auto sensing
Motor	Brushless motor
Amplitude	4mm (Orbital)
Display of Speed	LCD
Dimension (WxDxH)	150x150x45mm

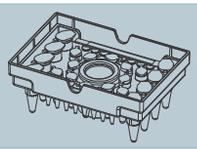
Supply: 220-240 Volts, 50 Hz Single Phase.

Digital Vortex Mixers

CM-101 Ultra

Salient Features for CM-101 Ultra

- Compact size with high capacity
- Stable operation with heavy base
- Brushless motor with strong power
- Multipurpose adaptor / large handling capacity
- Feather touch keys
- Easy to switch, touch/run



Hybrid Adaptor
Max speed RPM 3000

Image of Tube				
Tube Capacity (ml)	2 / 1.5	0.5	2 Strips of 8 x 0.2	1 x 96 wells
Type of Tube	Micro	Micro	PCR	MTP Plate
No of tubes	8	12	2	1
Ø x L (mm)	11 x 41	7.5 x 31	6 x 78	W127 x D84 x L18
Tubes supplied	No	No	No	No

Technical Data	
Model	**CM-101 Ultra**
Speed Range	100-3000 rpm
Control Mode	Continuous / Touch
Motor	Brushless motor
Amplitude	4.5mm (Orbital)
Display of Speed	LCD
Timer range	1 min - 8 hours
Shell Protection Level	IP-21
Dimension (WxDxH)	150x150x77mm

Supply: 220-240 Volts, 50 Hz Single Phase.

REMI Healthcare

Cyclomixers

CM-101 Plus

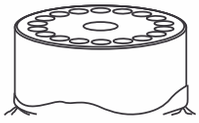
CM-101

Salient Features:

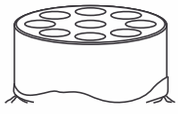
- Designed for mixing liquids in Schools, Laboratories & Factories
- Touch/Continuous Operation mode Selection through bi-directional Switch
- Speed Regulation through knob
- Interchangeable mixing heads for use with variety of tubes
- Supplied with all interchangeable mixing heads

Technical Data		
Model	**CM-101 Plus**	**CM-101**
Shaking Movement	Orbital	
Orbital Diameter (mm)	4	
Motor Type	Shaded-Pole Motor	
Permissible ON time	100% Power 30mins	
Speed range (rpm)	Upto 2900	
Run type	Continuous / touch operation	
Dimensions (WxDxH) mm	185 x 150 x 165	178 x 141x 148
Weight (Kg)	2.8	3.6
Supply: 220-240 Volts 50 Hz Single Phase.		

CM - 01



CM - 01/01



CM - 01/03

Interchangeable Mixing Heads	
Model	**Description**
CM-01	Universal top 100 mm- plate attachment
CM-01/01	Tube adapter for 18 holes test tubes Ø 10mm (use with CM-01)
CM-01/02	Platform pad for < Ø 99mm tubes and small vessels (use with CM-01)
CM-01/03	Tube adapter for 8 holes test tube Ø 20mm (use with CM-01)

Specifications subject to change without notice

REMI Healthcare

NEYA 2

Simplifies Day to Day Work

Specialized Rotor for Diagnostic labs

S 16-5
Specially Designed Hybrid Rotor
(Long & Short Blood Tubes -16x 5/7ml)

REMI Neya 2 with European Design is a perfect combination of performance & Characteristics. Neya 2 is available with brush less motor, door safety interlock, digital speed indicator and timer. Ideal for routine centrifuging requirements of medical practitioners, diagnostic laboratories and hospitals. Precise control on speed is through microprocessor based VFD controller, helps in efficient results for sensitive diagnostic tests.

REMI Neya 2 is designed with compact footprint considering the day to day requirements of small to medium medical diagnostic laboratories.

Specialized hybrid rotor to fit both popular sample tubes simultaneously.

1. Short Blood collection Tubes (Size - 12.5mm X 81 mm)
2. Long Blood collection Tubes (Size - 12.5mm X 106 mm)

Technical Specifications		
Particulars		**Neya 2**
Capacity	ml	300 ml
Max. Speed	RPM	4500
Max. RCF	'g'	3000
W X D X H	mm	320 x 420 x 280

Supply: 220 V, 50 Hz Single phase

EU Designed

REMI Healthcare

NEYA 2

Simplifies Day to Day Work

Salient Features

- Brushless induction motor
- Speed control through VFD
- Microprocessor controller
- Feather touch keys for Smooth and soft start
- Green LED display with last parameter recall
- Maximum RPM 4500 and maximum RCF 3000 g
- Lid interlock, Dynamic brake and Imbalance detection
- Emergency lid opening
- Accurate speed ±10 RPM
- Timer up to 99 minutes
- Calibration window
- Choice of swing-out & angle rotors with special blood tube rotor

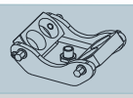
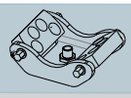
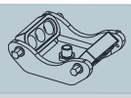
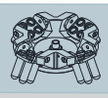
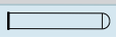
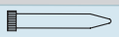
Image of Swing Out Rotors					
Model	**SM 4-50**	**SC 8-15**	**SM 6-15**	**S 16-5**	
Max speed RPM	4500	4500	4500	4500	
Max RCF (g)	2810	2880	3000	2950	
Image of Tube					
Tube Capacity (ml)	50	15	15	5/7	5/7
Type of Tube	Glass	Glass	Conical	Blood Collection Tube (Long)	Blood Collection Tube (Short)
Insert or Cushion No.	C 50R Included	C 15R Included	C 15F	Included	Included
No of tubes/Insert	1	1	1	1	1
No of tubes/rotor	4	8	6	16	16
Ø x L (mm)	30 x 110	17 x 110	16.5 x 120	12.5 x 106	12.5 x 81
Tubes supplied	Yes	Yes	No	No	No

Image of Angle Rotors					
Model	**AM 6-50**			**AM 12-15**	**AM 8-15**
Max speed RPM	4500			4500	4500
Max RCF (g)	2740			2760	2760
Image of Tube					
Tube Capacity (ml)	50	50	15	15	15
Type of Tube	Plastic	Conical	Conical	Glass	Conical
Insert or Cushion No.	C 50R Included	C 50F	RE 50-15FR (OLD - RA-501F)	C 15R Included	C 15F
No of tubes/Insert	1	1	1	1	1
No of tubes/rotor	6	6	6	12	8
Ø x L (mm)	30 x 100	29 x 116	16.5 x 120	17 x 110	16.5 x 120
Tubes supplied	Yes	No	No	Yes	No

Specifications subject to change without notice

REMI Healthcare

NEYA - 4
NEYA - 6

Truly Versatile Centrifuge

NEYA 6

NEYA 4

Specialized Rotor for Diagnostic labs

S 24-5

Specially Designed Hybrid Rotor

(Long & Short Blood Tubes -24x 5/7ml)

SN 4-100 + Bucket B 9-5

36 Nos Blood Tubes of 5/7ml

EU Designed

Specifications subject to change without notice

REMI Healthcare

NEYA - 4
NEYA - 6

Truly Versatile Centrifuge

LED Display

LCD Display

REMI Neya 6 & Neya 4 with European Design is a perfect combination of performance & characteristics

REMI Neya 6 & Neya 4 are designed considering the specific requirements of medical laboratories. Precise control of all run parameters helps in efficient results for sensitive diagnostic tests. Wide choice of rotor heads and adaptors makes these bench top centrifuges truly versatile.

Salient features:

- Automatic rotor identification, ensures operator safety
- Stainless steel centrifuge chamber, easy to clean
- Brushless induction motor, speed control with VFD *(Variable Frequency Drive)*
- Microprocessor controller with digital display
- Stable speed output even under unstable voltage conditions
- Smooth & soft start
- Low sample temperature rise
- Inverter fault detection with auto shutdown
- Safety lid interlock to prevent lid opening during centrifugation
- Imbalance detection & centrifugation stop with display of error
- Dynamic brake for quick deceleration
- Motor overload protection
- Gas hinge to prevent door falling
- Emergency lid lock release
- Last set parameters recall for standardizing repetitive analysis
- Wide variety of rotors & reduction adaptors
- Enhanced sample capacity - 24 x 15 ml & 36 x 5 ml
- Settable countdown timer up to 99 minutes
- Feather touch keys and bi-directional encoder
- Calibration window on the lid

Technical Specifications

Parameters		NEYA 6	NEYA 4
Max. Speed	rpm	6000	6000
Max. RCF	g	5070	5070
Max. Capacity	ml	400	400
Digital timer range	min	0-99	0-99
Noise	db	≤55	≤55
Speed Accuracy	rpm	±10	±10
Display		LCD	Green LED
Acceleration Profile		10	Fixed
Deceleration Profile		10	Fixed
Program Memory		10	No
Password Protection		Yes	No
Fast Spin		Yes	No
RCF Display		Yes	No
Setting Buttons		Encoder	Touch key pad
WxDxH	mm	390x530x320	390x530x320

Supply:220-240Volts 50 Hz Single Phase.

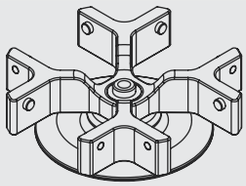
Specifications subject to change without notice

REMI Healthcare

Rotor Heads & Accessories

Swing out Rotor (except SN 4-100 & SN 2-96 MP) & Angle Rotors are supplied with suitable SS tube as carriers

Swing Out Rotors for NEYA 6 & NEYA 4



Swing Out Rotor SN 4-100
Max. Speed RPM 4000
Max RCF (g) 2500

	Metal Buckets suitable for Swing Out Rotor SN 4-100								
	B 100						B 9-5	B 9-5L	
Image of Tube									
Tube Capacity (ml)	100	50	50	15	15	10	5/7	5/7	5/7
Type of Tube	Glass	Glass	Conical	Glass	Conical	Blood Collection Tube	Blood Collection Tube (Long)	Blood Collection Tube (Short)	Blood Collection Tube (Long)
Bucket No.	B 100	B 100	B 100	B 100	B 100	B 100	B 100	B 9-5	B 9-5L
Insert or Cushion No.	C 100R Included	RE 100-50 (OLD - RA-157)	RE 100-50FR (OLD - RA-161F)	RE 100-15R(3) (OLD - RA-166)	RE 100-15FR (OLD - RA-160F)	RE 100-10(3) (OLD - RA-168)	RE 100-5/7L(4) (OLD - RA-167)	-	-
No of tubes/Insert	1	1	1	3	1	3	4	9	9
No of tubes/rotor	4	4	4	12	4	12	16	36	36
Ø x L (mm)	45.5 x 104	30 x 110	29 x 116	17 x 110	16.5 x 120	15.5 x 106	12.5 x 106	12.5 x 81	12.5 x 106
Tubes supplied	Yes	Yes	No	Yes	No	No	No	No	No

Swing out Rotor SN 4-100 with max. speed of 4500rpm, Max rcf (g) 3170 also available on Request

Swing Out Rotor SN 8-15
Max. Speed RPM 4500
Max RCF (g) 3440

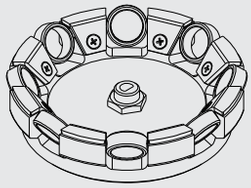
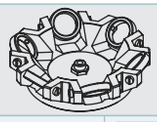
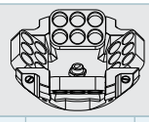


Image of Tube							
Tube Capacity (ml)	15	15	8	5/7	5/7	5	3
Type of Tube	Glass	Conical	Glass	Blood Collection Tube (Long)	Blood Collection Tube (Short)	Glass	Glass
Insert or Cushion No.	C 15R Included	C 15F	RE 15-8R (OLD - RA-154)	RE 15-5/7LR (OLD - RA-163)	RE 15-5/7SR (OLD - RA-162)	RE 15-5R (OLD - RA-153)	RE 15-3R (OLD - RA-152)
No of tubes/Insert	1	1	1	1	1	1	1
No of tubes/rotor	8	8	8	8	8	8	8
Ø x L (mm)	17 x 110	16.5 x 120	12 x 100	12.5 x 106	12.5 x 81	12 x 75	10 x 75
Tubes supplied	Yes	No	Yes	No	No	Yes	Yes



Swing Out Rotor SN 6-50
Max. Speed RPM 4500
Max RCF (g) 3530

Image of Tube					
Tube Capacity (ml)	50	50	15	15	10
Type of Tube	Glass	Conical	Conical	Glass	Blood Collection Tube
Insert or Cushion No.	C 50R Included	C 50F	RE 50-15FR (OLD - RA-501F)	RE 50-15RR (OLD - RA-501)	RE 50-10R (OLD - RA-164)
No of tubes/Insert	1	1	1	1	1
No of tubes/rotor	6	6	6	6	6
Ø x L (mm)	30 x 110	29 x 116	16.5 x 120	17 x 110	15.5 x 106
Tubes supplied	Yes	No	No	Yes	No



Swing Out Rotor SN 24-15
Max. Speed RPM 4500
Max RCF (g) 3330

15	8	5/7	5/7	5	3
Glass	Glass	Blood Collection Tube (Long)	Blood Collection Tube (Short)	Glass	Glass
C 15R Included	RE 15-8R (OLD - RA-154)	RE 15-5/7LR (OLD - RA-163)	RE 15-5/7SR (OLD - RA-162)	RE 15-5R (OLD - RA-153)	RE 15-3R (OLD - RA-152)
1	1	1	1	1	1
24	24	24	24	24	24
17 x 110	12 x 100	12.5 x 106	12.5 x 81	12 x 75	10 x 75
Yes	Yes	No	No	Yes	Yes

Swing Out Rotor SN 16-15
Max. Speed RPM 4500
Max RCF (g) 3400

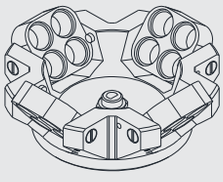


Image of Tube							
Tube Capacity (ml)	15	15	8	5/7	5/7	5	3
Type of Tube	Glass	Conical	Glass	Blood Collection Tube (Long)	Blood Collection Tube (Short)	Glass	Glass
Insert or Cushion No.	C 15R Included	C 15F	RE 15-8R (OLD - RA-154)	RE 15-5/7LR (OLD - RA-163)	RE 15-5/7SR (OLD - RA-162)	RE 15-5R (OLD - RA-153)	RE 15-3R (OLD - RA-152)
No of tubes/Insert	1	1	1	1	1	1	1
No of tubes/rotor	16	16	16	16	16	16	16
Ø x L (mm)	17 x 110	16.5 x 120	12 x 100	12.5 x 106	12.5 x 81	12 x 75	10 x 75
Tubes supplied	Yes	No	Yes	No	No	Yes	Yes

Specifications subject to change without notice

REMI Healthcare

Rotor Heads & Accessories

Swing Out Rotor S 24-5
Max. Speed RPM 4400
Max RCF (g) 3200

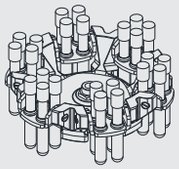


Image of Tube		
Tube Capacity (ml)	5/7	5/7
Type of Tube	Blood Collection Tube (Long)	Blood Collection Tube (Short)
Insert or Cushion No.	Included	Included
No of tubes/Insert	1	1
No of tubes/rotor	24	24
Ø x L (mm)	12.5 x 106	12.5 x 81
Tubes supplied	No	No

Swing Out Rotor S 24-10
Max. Speed RPM 4400
Max RCF (g) 3200

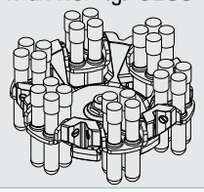


Image of Tube	
Tube Capacity (ml)	10
Type of Tube	Blood Collection Tube
Insert or Cushion No.	No
No of tubes/Insert	-
No of tubes/rotor	24
Ø x L (mm)	15.5 x 106
Tubes supplied	No

Swing Out Rotor SN 2-96 MP
Max. Speed RPM 4500
Max RCF (g) 2130

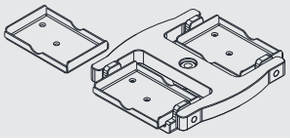


Image of Tube	
Tube Capacity (ml)	2 X 96 wells
Type of Tube	Micro
No of tubes/rotor	2
W x D x L (mm)	127 x 84 x 18
Tubes supplied	No

Angle Rotors for NEYA 6 & NEYA 4

Angle Rotor AN 4-100
Max. Speed RPM 6000
Max RCF (g) 4750

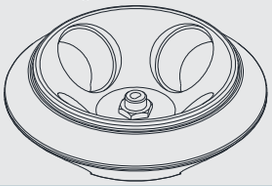


Image of Tube							
Tube Capacity (ml)	100	50	50	15	15	10	5/7
Type of Tube	Plastic	Conical	Glass	Glass	Conical	Blood Collection Tube	Blood Collection Tube (Long)
Insert or Cushion No.	C 100R Included	RE 100-50FR (OLD - RA-161F)	RE 100-50RR (OLD - RA-161)	RE 100-15R(3) (OLD - RA-166)	RE 100-15FR (OLD - RA-160F)	RE 100-10(3) (OLD - RA-168)	RE 100-5/7L(4) (OLD - RA-167)
No of tubes/Insert	1	1	1	3	1	3	4
No of tubes/rotor	4	4	4	12	4	12	16
Ø x L (mm)	45.5 x 104	29 x 116	30 x 110	17 x 110	16.5 x 120	15.5 x 106	12.5 x 106
Tubes supplied	Yes	No	Yes	Yes	No	No	No

Angle Rotor AN 6-50
Max. Speed RPM 6000
Max RCF (g) 4870

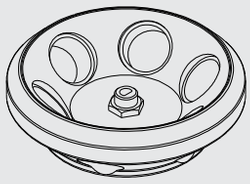


Image of Tube					
Tube Capacity (ml)	50	50	15	15	10
Type of Tube	Plastic	Conical	Glass	Conical	Blood Collection Tube
Insert or Cushion No.	C 50R Included	C 50F	RE 50-15RR (OLD - RA-501)	RE 50-15FR (OLD - RA-501F)	RE 50-10R (OLD - RA-164)
No of tubes/Insert	1	1	1	1	1
No of tubes/rotor	6	6	6	6	6
Ø x L (mm)	30 x 100	29 x 116	17 x 110	16.5 x 120	15.5 x 106
Tubes supplied	Yes	No	Yes	No	No

Angle Rotor AN 24-15
Max. Speed RPM 6000
Max RCF (g) 5070

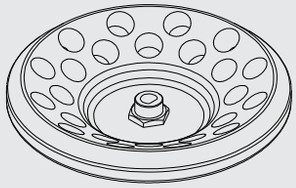


Image of Tube							
Tube Capacity (ml)	15	15	8	5/7	5/7	5	3
Type of Tube	Plastic	Conical	Glass	Blood Collection Tube (Long)	Blood Collection Tube (Short)	Glass	Glass
Insert or Cushion No.	C 15R Included	C 15F	RE 15-8R (OLD - RA-154)	RE 15-5/7LR (OLD - RA-163)	RE 15-5/7SR (OLD - RA-162)	RE 15-5R (OLD - RA-153)	RE 15-3R (OLD - RA-152)
No of tubes/Insert	1	1	1	1	1	1	1
No of tubes/rotor	24	24	24	24	24	24	24
Ø x L (mm)	17 x 102	16.5 x 120	12 x 100	12.5 x 106	12.5 x 81	12 x 75	10 x 75
Tubes supplied	Yes	No	Yes	No	No	Yes	Yes

REMI Healthcare

LABORATORY
CENTRIFUGE

NEYA 5/NEYA 5C

Laboratory Centrifuge model NEYA 5/NEYA 5C is suitable for Blood & Urine sample analysis in Hospital & Pathology. The versatile Hybrid Rotor provides super flexibility of Swing out & Fixed angle in same Rotor with 15ml & 50ml Conical & Blood Collection Tubes.

Neya 5C

Neya 5

Rotor

4X50ML
FIXED ANGLE

4X50ML
SWING OUT

8X15ML
FIXED ANGLE

8X15ML
SWING OUT

Salient Features

- Compact and light weight
- Fixed and swing out angle (HYBRID) rotor for various applications
- MICRO controller with digital display
- Digitally controlled ACCELERATION and DECELERATION Profiles and braking
- Automatic Imbalance detection
- Emergency lid lock release
- Lid opening on pressing key
- Last set parameters recall (useful for repetitive analysis)
- Built according to EUROPEAN DIRECTIVES

Specifications subject to change without notice

REMI Healthcare

Technical Specifications		
Model	**Neya 5C**	**Neya 5**
Display	LED	LCD
Maximum capacity	8 x 15 ml (Fixed & Swing-out angle) 4 x 50 ml (Fixed & Swing-out angle)	
Maximum speed / RCF	4700 rpm / 3350xg (Fixed angle) 4700 rpm / 3560xg (Swing-out)	
Rotor type	Hybrid	
Setting RPM	Yes (From 200 to 4700 rpm in 10 rpm steps)	Yes (From 200 to 4700 rpm in 10 rpm steps)
Setting RCF	No	Yes (10g to 3350g Fixed angle in 10g steps 10g to 3560g Swing-out angle in 10g steps)
Display RCF	Yes	
Timer	01 to 99 (min) and continuous mode	00:30 to 99:50 (min:ss) and continuous mode
Date and Time	-	Yes
Acceleration levels	-	L-M-H (Low - Medium - High)
Deceleration levels	Low & High	L-M-H-O (Low - Medium - High - Coasting)
Spin function	No	Yes
Programs	-	5
Calibration window on lid for speed	✔	✔
Control Communication	Digital	Digital
Self-Diagnostic of error	✘	✔
Parameters setting switches	Feather Touch Keys	
Brushless motor with frequency drive	✔	✔
Inverter fault detection with auto shut down		
Last set parameters recall	✔	✔
Motor overload protection		
Auto lid opening after cycle	✘	✔
Emergency lid lock release		
Imbalance detection with centrifugation cut off	✔	✔
Noise	≤ 55 dB	
External Dimensions W x D x H	360 x 465 x 300 MM	
Directive / Standard	IEC 61010-1 ; IEC 61010-2-020, IEC 61010-2-101, IEC 61326-1	
Supply: 220-240 Volts, 50 Hz Single Phase.		

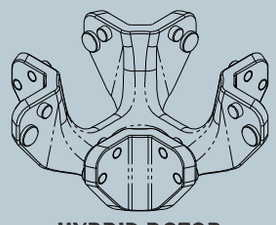
Specifications subject to change without notice

REMI Healthcare

Neya 5C

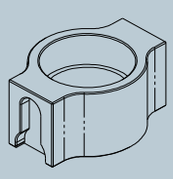
Neya 5

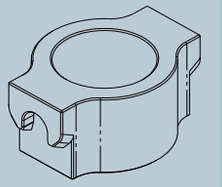
NEYA 5/5C ROTOR AND ACCESSORIES

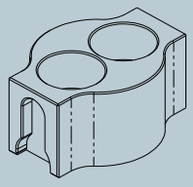


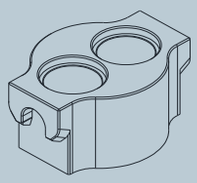
HYBRID ROTOR

Aluminum Carriers (Set of 4) suitable for Hybrid Rotor

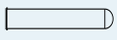
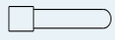








MODEL	FA 50	SO 50	FA 15	SO 15
TYPE	FIXED ANGLE	SWING OUT	FIXED ANGLE	SWING OUT
CAPACITY PER CARRIER (ML)	1 X 50	1 X 50	2 X 15	2 X 15
TOTAL CAPACITY	4 X 50ML		8 X 15ML	
MAX. SPEED (RPM)	4700	4700	4700	4700
MAX. RCF (g)	3350	3560	3350	3560

IMAGE OF TUBE								
TUBE CAPACITY (ML)	50	50	15	15	15	10	5/7	5/7
TYPE OF TUBE	CONICAL	GLASS/PLASTIC	CONICAL	CONICAL	GLASS/PLASTIC	BLOOD COLLECTION TUBE	BLOOD COLLECTION TUBE (LONG)	BLOOD COLLECTION TUBE (SHORT)
CARRIER NAME	FA 50 / SO 50	FA 50 / SO 50	FA 50 / SO 50	FA 15 / SO 15	FA 15 / SO 15	FA 15 / SO 15	FA 15 / SO 15	FA 15 / SO 15
INSERT OR CUSHION NO.	C 50F	C 50R INCLUDED	RE 50-15F	C 15F	C 15R INCLUDED	C 10R	RE 15-5/7LB	RE 15-5/7SB
NO OF TUBES/CARRIER	1	1	1	2	2	2	2	2
NO OF TUBES/ROTOR	4	4	4	8	8	8	8	8
Ø X L (MM)	29 X 116	30 X 110 / 30 X 100	16.5 X 120	16.5 X 120	17 X 110 / 17 X 102	15.5 X 106	12.5 X 106	12.5 X 81
		YES	NO	NO	YES	NO	NO	NO

Specifications subject to change without notice

REMI Healthcare

NEYA 12 / NEYA 12R

Truly Versatile Centrifuge

4 X 175 ml | 16000 rpm | 10 prog. | Refrigerated

Single Rotor Offers

High Capacity

Bucket B 16-5/7

64 Blood Tubes

Swing out Rotor
S 4-175

Flexibility

Bucket B 175
(Aerosol-tight cap)

2 ml to 175ml Adaptors
Varied Applications

S 30-5
Specially Designed Hybrid Rotor
(Long & Short Blood Tubes -30 x 5/7ml)

Specialized Rotor for Diagnostic labs

EU Designed

Specifications subject to change without notice

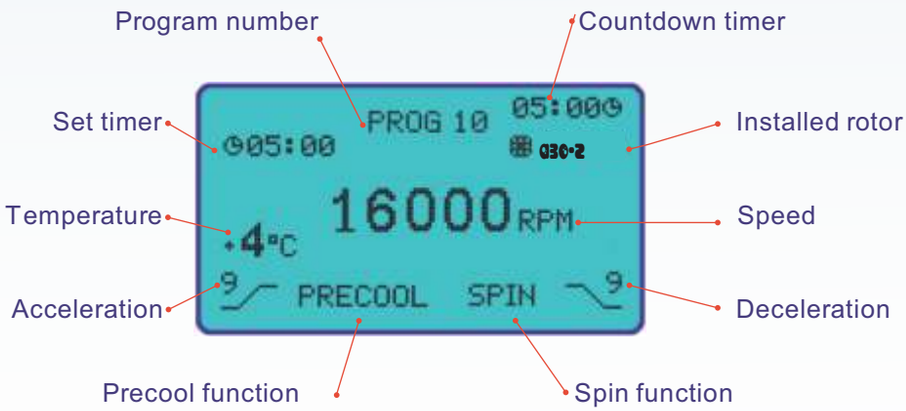
REMI Healthcare

NEYA 12 / NEYA 12R

Truly Versatile Centrifuge

REMI Neya 12 & Neya 12R with European design is a perfect combination of performance & characteristics.

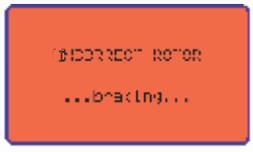
REMI Neya 12 & Neya 12R (Refrigerated) centrifuge are designed considering the specific requirements of medical laboratories. Precise control of all run parameters helps in efficient results for sensitive diagnostic tests. Wide choice of rotor heads and adaptors makes these bench top centrifuges truly versatile.



Standby

Centrifugation cycle

Program protection



Alarm signal

Salient Features

- Brush less motor with variable frequency drive, maintenance free
- Microprocessor controller with multicolor backlit LCD display
- 10 program memory with password protection
- 10 Acceleration and 10 deceleration profiles
- Fast spin feature for quick run
- Choice of RPM / RCF setting and display
- Automatic rotor detection
- Countdown timer 30 seconds to 99 minutes
- Imbalance detection system with automatic stop function
- Door interlocking system
- Emergency lid opening in case of power failure
- Last program recall
- LED indication to see status of centrifugation from a distance
- Stainless steel centrifugation bowl with armoured chamber
- Comfortable height for an easy access
- Sophisticated anti vibration system
- Construction in accordance with European directives
- No puller required for rotor removal
- Hydraulic hinges for soft touch lid opening & closure

Specifications subject to change without notice

REMI Healthcare

Technical Specifications

Features	NEYA-12	NEYA-12R (Refrigerated)
Maximum capacity	4 x 175 ml (swing out) - 6 x 100 ml (fixed angle)	
Maximum speed	4500 rpm (swing out) - 16000 rpm (fixed angle)	
Setting RPM	Yes	
Setting RCF	Yes	
Display RCF	Yes	
Timer	00:30 to 99:50 (mm:ss) and continuous mode	
Date and Time	Yes	
Acceleration levels	0-9 (0 = min - 9 = max)	
Deceleration levels	0-9 (0 = min - 9 = max)	
Temperature range (Settable)	-	-10°C to +40°C
Precool function	-	Yes
Display temperature	-	Yes (°C and °F)
Spin function	Yes	
Programs	10 programs with protection function	
Indication of rotor	Yes	
Calibration window on lid for speed	✓	✓
Display	LCD	LCD
Control Communication	Digtal	Digtal
Self-Diagnostic of error	✓	✓
Parameters setting switches	Feather Touch Keys & Bi-Directional encoder	
Brushless motor with frequency drive	✓	✓
Inverter fault detection with auto shut down	✓	✓
CFC free refrigeration system	✘	✓
Last set parameters recall	✓	✓
Choice of RPM / RCF setting	RPM / RCF	RPM / RCF
Automatic Rotor Identification	✓	✓
Motor overload protection	✓	✓
Emergency lid lock release	✓	✓
Imbalance detection with centrifugation cut off	✓	✓
Gas Hinge to prevent door falling	✓	✓
Noise	≤ 55 dB	≤ 55 dB
External dimensions WxDxH / Weight	450 x 590 x 330 mm / 40 Kg	730 x 640 x 330 mm / 70 Kg
Directive / Standard	IEC 61010-1 ; IEC 61010-2-020	
Recommended Voltage Stabilizer	-	VS-02

Supply: 220-240 Volts, 50 Hz Single Phase.

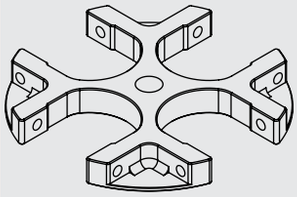
Nomenclature method of Rotors & accessories

Alphabets in beginning	Numbers in middle	Alphabets at end
A= Fixed angle rotor	1st numerical = Quantity per insert	F= Conical tube
S= Swing out rotor	2nd numerical = Tube capacity (ml)	R= Round bottom tube
B= Bucket		L= Long tube
I= Insert for bucket		S= Short tube
C= Cushion		
RE= Reducer		
HE= Haematocrit Rotor		

Examples Description	
S 4-175	(Swing out Rotor, 4 tubes of 175ml capacity)
A 32-15N	(Angle Rotor, 32 tubes of 15ml capacity)
B 2-50 F	(Bucket, 2 tubes of 50ml capacity, Conical)
I 1-50 R	(Insert, 1 tube of 50ml capacity round bottom)
C 15F	(Cushion for 15ml Conical)
RE 15-5/7	(Reducer from 15ml to 5/7 ml tube)

REMI Healthcare

Options to be selected from following Rotors



Swing Out Rotor
S 4-175
Max. Speed (RPM) 4500
Max. RCF (g) 3600

Metal Buckets suitable for Swing Out Rotor S 4-175 (Set of 4 buckets)

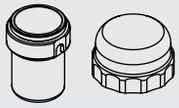
B 175 (with Bio safety Lid L 175)	B 2-50 F B 2-50 R	B 7-15 F B 7-15 R	B 12-10	B 14-5/7	B 16-5/7
					

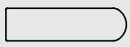
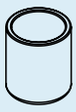
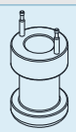
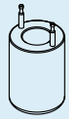
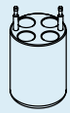
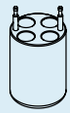
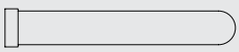
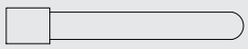
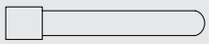
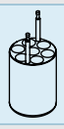
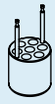
Image of Tube										
Tube Capacity (ml)	175	100	50				15			
Ø x L (mm)	57 x 99	45 x 104	29 x 116		30 x110		16.5 x 120		17 x 110	
Max. Cap dia (mm)	59.5		34.5				22.5			
Type of Tube	Plastic	Glass / Plastic*	Conical		Glass / Plastic*		Conical		Glass	
No of tubes/insert	1	1	1	2	1	2	4	7	4	7
No of tubes/rotor	4	4	4	8	4	8	16	28	16	28
Bucket Cat No.	B 175	B 175	B 175	B 2-50 F	B 175	B 2-50 R	B 175	B 7-15 F	B 175	B 7-15 R
Insert or Cushion No.	C 175 Included	I 1-100	I 1-50 SF		I 1-50 R		I 4-15 F		I 4-15 R	
Image of Insert (Set of 4, supplied with suitable bottom cushions)	No			No		No		No		No
Tubes supplied	Yes	No	No		No		No		No	

Image of Tube								
Tube Capacity (ml)	10		5/7		5/7		2	
Ø x L (mm)	15.5 x 106		12.5 x 106		12.5 x 81		11 x 41	
Max.Cap dia (mm)	17		16		16			
Type of Tube	Blood Collection Tube		Blood Collection Tube (Long)		Blood Collection Tube (Short)		Micro	
No of tubes/Insert	7	12	7	14	7	16	12	
No of tubes/ rotor	28	48	28	56	28	64	48	
Bucket Cat No.	B 175	B 12-10	B 175	B 14-5/7	B 175	B 16-5/7	B 175	
Insert or Cushion No.	I 7-10		I 7- 5/7		I 7-5/7		I 12-2	
Image of Insert (Set of 4, Supplied with suitable bottom cushions)		No		No		No		
Tubes supplied	No	No	No	No	No	No	No	

Specifications subject to change without notice

REMI Healthcare

Swing Out Rotor S 30-5

Max speed RPM 4400
Max RCF (g) 3200

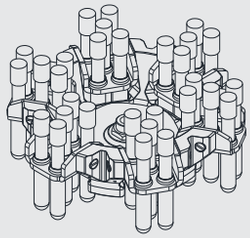


Image of Tube		
Tube Capacity (ml)	5/7	5/7
Type of Tube	Blood Collection Tube (Long)	Blood Collection Tube (Short)
Insert or Cushion No.	Included	Included
No of tubes/Insert	1	1
No of tubes/rotor	30	30
Ø x L (mm)	12.5 x 106	12.5 x 81
Tubes supplied	No	No

Swing Out Rotor S 30-10

Max. Speed RPM 4400
Max RCF (g) 3200

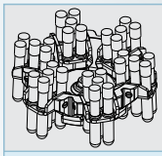
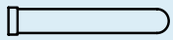
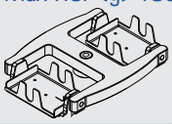
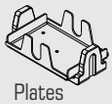


Image of Tube	
Tube Capacity (ml)	10
Type of Tube	Blood Collection Tube
Insert or Cushion No.	No
No of tubes/Insert	-
No of tubes/rotor	30
Ø x L (mm)	15.5 x 106
Tubes supplied	No

Swing Out Rotor S 6-96 MP

Max speed RPM 3200
Max RCF (g) 1950





Plates
MP 6-96

Image of Tube	
Tube Capacity (ml)	6 x 96 wells
Type of Tube	Micro
No of tubes/rotor	6
W x D x L (mm)	127 x 84 x 18
Tubes supplied	No

PCR Rotor PCR 4-8

Max speed RPM 15000
Max RCF (g) 21000

Image of Tube	
Tube Capacity (ml)	4 strips of 8 PCR
Type of Tube	PCR
No of tubes/rotor	4
Ø x L (mm)	6 x 78
Tubes supplied	No

Angle Rotor HE 24-75

Max speed RPM 12000
Max RCF (g) 15300

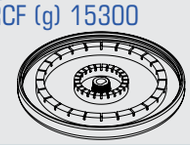
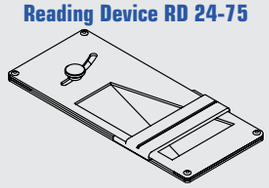


Image of Tube	
Tube Capacity (ml)	-
Type of Tube	Capillary
No of tubes/rotor	24
Ø x L (mm)	1 x 75
Tubes supplied	Yes

Reading Device RD 24-75



WxDxH	127x84x18

Angle Rotor A 32-15N

Max Speed RPM 5200
Max RCF (g) 4020

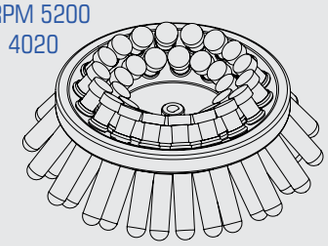
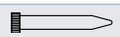
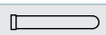


Image of Tube					
Tube Capacity (ml)	15	15	10	5/7	5/7
Type of Tube	Conical	Plastic	Blood Collection Tube	Blood Collection Tube (Long)	Blood Collection Tube (Short)
Insert or Cushion No.	C 15F	C 15R Included	No	RE 15-5/7	RE 15-5/7
No of tubes/Insert	1	1	-	1	1
No of tubes/rotor	32	32	32	32	32
Ø x L (mm)	16.5 x 120	17 x 102	15.5 x 106	12.5 x 106	12.5 x 81
Tubes supplied	No	Yes	No	No	No

(Rotor is supplied with suitable SS tubes)

Angle Rotor A 8-50

Max Speed RPM 6000
Max RCF (g) 4800

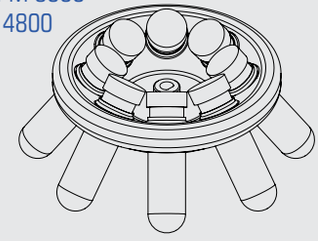
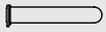
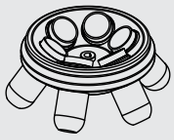


Image of Tube					
Tube Capacity (ml)	50	50	15	15	10
Type of Tube	Conical	Plastic	Conical	Plastic	Blood Collection Tube
Insert or Cushion No.	C 50F	C 50R Included	RE 50-15F	RE 50-15R	RE 50-10
No of tubes/Insert	1	1	1	1	1
No of tubes/rotor	8	8	8	8	8
Ø x L (mm)	29 x 116	30 x 100	16.5 x 120	17 x 102	15.5 x 106
Tubes supplied	No	Yes	No	Yes	No

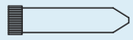
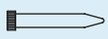
(Rotor is supplied with suitable SS tubes)

REMI Healthcare

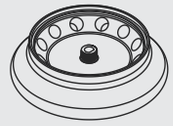


Angle Rotor A 6-100

Max speed RPM 5000
Max RCF (g) 3330

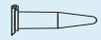
Image of Tube					
Tube Capacity (ml)	100	50	50	15	15
Type of Tube	Glass / Plastic	Conical	Glass / Plastic	Conical	Round Plastic/Glass
Insert or Cushion No.	C 100R Included	RE 100-50F	RE 100-50R	RE 100-15F	RE 100-15R
No of tubes/Insert	1	1	1	1	1
No of tubes/rotor	6	6	6	6	6
Ø x L (mm)	45.5 x 104	29 x 116	30 x 110/100	16.5 x 120	17 x 102/110
Tubes supplied	Yes (Plastic)	No	Yes (Plastic)	No	Yes (Plastic)

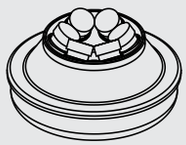
(Rotor is supplied with suitable SS tubes)



Angle Rotor A 12-5

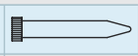
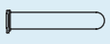
Max speed RPM 15000
Max RCF (g) 20880

Image of Tube	
Tube Capacity (ml)	5
Type of Tube	Micro
Insert or Cushion No.	No
No of tubes/Insert	-
No of tubes/rotor	12
Ø x L (mm)	16 x 59
Tubes supplied	No

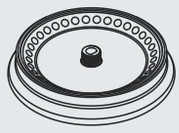


Angle Rotor A 6-50

Max speed RPM 9500
Max RCF (g) 10050

Image of Tube					
Tube Capacity (ml)	50	50	15	15	10
Type of Tube	Conical	Plastic	Conical	Plastic	Blood Collection Tube
Insert or Cushion No.	C 50F	C 50R Included	RE 50-15F	RE 50-15R	RE 50-10
No of tubes/Insert	1	1	1	1	1
No of tubes/rotor	6	6	6	6	6
Ø x L (mm)	29 x 116	30 x 100	16.5 x 120	17 x 102	15.5 x 106
Tubes supplied	No	Yes	No	Yes	No

(Rotor is supplied with suitable SS tubes)

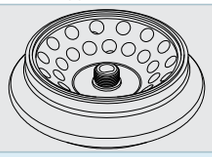


Angle Rotor A 36-05

Max speed RPM 15000
Max RCF (g) 21000

Image of Tube		
Tube Capacity (ml)	0.5	0.2
Type of Tube	Micro	Micro
Insert or Cushion No.	No	RE 05-02
No of tubes/Insert	-	1
No of tubes/rotor	36	36
Ø x L (mm)	7.5 x 31	6 x 22
Tubes supplied	No	No

(Rotor supplied with all suitable inserts)

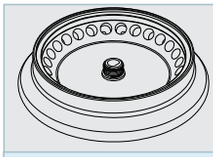


Angle Rotor A 30-2

Max speed RPM 16000
Max RCF (g) 21200

Image of Tube			
Tube Capacity (ml)	2	0.5	0.2
Type of Tube	Micro	Micro	Micro
Insert or Cushion No.	No	RE 2-05	RE 2-02
No of tubes/Insert	-	1	1
No of tubes/rotor	30	30	30
Ø x L (mm)	11 x 41	7.5 x 31	6 x 22
Tubes supplied	No	No	No

(Rotor supplied with all suitable inserts)



Angle Rotor A 28-1.5

Max speed RPM 16000
Max RCF (g) 25900

Image of Tube			
Tube Capacity (ml)	1.5	0.5	0.2
Type of Tube	Micro	Micro	Micro
Insert or Cushion No.	No	RE 2-05	RE 2-02
No of tubes/Insert	-	1	1
No of tubes/rotor	28	28	28
Ø x L (mm)	11 x 41	7.5 x 31	6 x 22
Tubes supplied	No	No	No

(Rotor supplied with all suitable inserts)

REMI Healthcare

Gel Card Centrifuge & Incubator

OmniCard 12C

Efficiently Flexible

OmniCard 12*i*

Universal Gel Card System

Provides flexibility to run all available gel cards

REMI Omnicard is an efficiently flexible gel card system provides you freedom to select any brand of gel card with replicating standard results. It provides you the various option of run parameters for centrifugation & incubation. **Omnicard** is an open gel card system for economically viable solution for blood grouping, Coombs tests (DAT) & cross matching, etc.

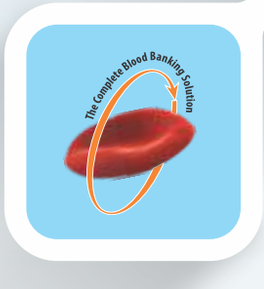
Omnicard 12C centrifuge fits all types of gel cards, with flexible 10 program setting (speed & time) including one sequential program.

Omnicard 12*i* incubator fits all types of gel cards with flexible temp. & time setting. Additional dry bath slots for 5-7 ml test tubes makes it helpful for tube agglutination methods also.

Specifications subject to change without notice

REMI Healthcare

Gel Card Centrifuge & Incubator



Salient features

OmniCard 12C

- Centrifugation of 12 Gel cards.
- Digital user interface screen provided for control and visualization of rpm and time.
- Maximum speed 1600 rpm.
- Maximum RCF 279g±1%
- 8 open program for setting RPM, acceleration & deceleration, time with additional two sequential sets of parameters
- Audio-Visual alarm provided for Imbalance & end of cycle.
- Universal for all types of standard gel cards.
- Speed control through VFD and dynamic brake system.
- Light weight yet robust design.
- Ergonomically designed shape for ease of operation
- Single Hand Rotor removal for cleaning

OmniCard 12*i*

- Incubation of 12 Gel cards & 12 test tubes simultaneously.
- Digital user interface screen provided for control and visualization of remaining incubation time and real temperature.
- Fixed Pre-set temperature 37°C (Pre heating within 8 minutes)
- Fixed pre-set incubation time of 15 minutes and can be adjustable from 0 to 60 min.
- Audio-Visual alarm provided for High/Low temperature & End of Cycle.
- Auto Pop-up Card mechanism, when lid opened.
- Light weight yet robust design.

Technical Specifications

Parameters	OmniCard 12C Gel Card Centrifuge	OmniCard 12*i* Gel Card Incubator
Programs	Adjustable RPM & Time as specified by Gel card Supplier	Adjustable incubation Temperature & Time as specified by Gel card Supplier
Run specification	Max Speed : 1600±10 RPM Max RCF : 279±1% g	37°C ±1°C Adjustable time up to 60 minutes
Net Weight	18 Kg.	4 Kg.
L x D x H	420 x 320 x 286 mm	300 x 250 x 150 mm
Audio Visual Alarms	Imbalance & End of cycle	High-low temperature, End of cycle
Capacity	12 Gel cards	
User interface	LCD Display with Touch key pad	
Electrical	220-240 volts, 50 Hz, SINGLE PHASE	

Specifications subject to change without notice

REMI Healthcare

Portable Donor Chair

PDC 1X

Folded

REMI Portable Donor Chair model PDC 1X, specially designed for blood donotion camps to provide comfort and safety to the blood donors.

- Ergonomic robust design
- Stable & aesthetically beautiful
- Complete construct with stainless steel
- High quality anti bacterial fabric
- Foldable for easy transport
- Adjustable safety belt for patient safety
- Towel bar at top
- 30 kg light weight for easy transportation
- IV Stand optional (standalone)
- Comfortable seating
- Trendelenburg (Head low) & Reverse-Trendelenburg (Sitting Posture) position
- Elegant ergonomic knobs for the hand rest adjustment
- Adjustable head rest positions for easy phlebotomy
- Elegant ergonomic knob for hand rest adjustment
- Adjustable hand rest positions (Up / down and horizontal / circular)
- Comfortable molded foamed hand rests
- Fixed Castor Wheels attached for effortless handling and easy mobility

Technical Specifications

Parameters	PDC 1X
Seat width	500 mm
Length	1740 mm
Seat Height from floor	1270 mm
Weight Capacity	150 kg
Hand rest dimension (W x L mm)	150 x 450
Net Weight	30 kg

REMI Healthcare

Ultra Low Freezers -86°C

REMI's new range of ultra-low deep freezer is specially designed for faster temperature pull down & optimized cryopreservation. Highly sensitive microprocessor control ensures precise temperature management at -86°C

7 Days Circular Chart Recorder*

*Available without 7 day chart recorder also

Salient Features:

- Efficient insulation with high core density reduces temperature loss
- Optimized compressor run ensures energy efficiency
- Hot line across the door assembly to prevent frost formation
- Efficient dual cascade refrigeration system ensures fast temperature pull down
- Triplicate step silicon rubber gasket for complete insulation
- Easy to remove washable filter protects the condenser from dust to increase refrigeration efficiency.
- Internal data log memory of 1000 records.
- Audio / Visual alarms for
  - Temperature high / low
  - Power failure
  - Door open
  - Compressor on (only visual)
  - Clean Filter
  - Condenser Fault
  - Power on (only visual)
- Settable points of
  - Temperature high / low (-50°C to - 86°C)
  - Adjustable temperature range
  - High / low temperature alarm point
- Vacuum release port for easy door op
- Independent internal foamed doors
- Easy movability with lockable castor wheels
- Seven day circular chart recorder for temperature recording
- Port of CO_2 backup

Specifications subject to change without notice

REMI Healthcare

Ultra Low Freezers -86°C

- Microprocessor Based Precise Temperature Control
- CFC Free Refrigerant & PUF Insulation
- Efficient Refrigeration Quick Temperature Pull Down
- Hotline at Door Interface Frost Free Easy Door Opening
- Intelligent Cooling Coil Distribution Temperature Uniformity ±2°C
- Ergonomically Designed User Friendly Controls & Alarms
- Smart Handle: Door Close / Open Indication with Push & Key Lock
- Menu Driven Settings Data Encryption & Protection
- Energy Efficient Long Temperature Holdover

Technical Specifications

Parameters	PDV 100 Ultra	PDV 200 Ultra	PDV 400 Ultra	PDV 500 Ultra	PDV 700 Ultra
Internal Volume (Liters)	100	200	400	500	700
No of plasma bags	150	300	550	650	800
No. of trays	2	3	6	6	7
No. of Internal door	2	3	4	4	4
Internal dimensions W x D x H (mm)	410 X 410 X 595	520 X 520 X 740	700 X 575 X 1000	700 X 700 X 1025	840 X 730 X 1145
External dimensions W x D x H (mm)	710 x 877 x 1410	820 x 987 x 1560	1010 x 880 x 1830	1010 x 987 x 1890	1130 x 998 x 1940
Min. Temperature (in AC Room)	-86°C				
Insulation (CFC free polyurethane foam)	150 mm				
Temperature control	Microprocessor with PT-100 sensor				
Display	7" TFT (with Programmable Logic Controller)				
Door open alarm	Audio visual alarm in case door open for over one minute				
Chart recorder	7 days circular chart recorder				
Internal body material	S.S. 304 (AISI Grade, non corrosive, non magnetic)				
External body material	Powder coated CRCA steel				
Noise level	Less Than 65 db(A)				
Battery backup for alarm system, temperature display & chart recorder	Standard: 8Hrs inbuilt rechargable batteries, Extended(Optional): 24 Hrs with UPS and rechargeable batteries				
Recommended voltage stablizer (Servo)	VS 05			VS 10	
Electrical	220-240 volts, 50 Hz, Single Phase				

Specifications subject to change without notice

REMI Healthcare

Platelets Incubator & Agitator

Ultra range of REMI Platelet Incubator & Agitator are specially designed to meet the storage requirements of Platelet concentrate.

Temperature Control & Monitoring:

Microprocessor integrated system provides excellent temperature accuracy. 7 days chart recorder & audio visual alarm system helps to indicate disturbance in storage conditions.

PI 10 Ultra & PR 10 Ultra

Salient Features :

- Refrigeration & precision pulse heating for achieving 22°C (±0.5°C)
- Forced air circulation for temperature uniformity
- Bacteria resistant powder coated exterior with high grade stainless steel Interior
- LCD display of temperature, real date, real time, temperature histogram etc.
- Smart Handle with LED door closure indication
- Auto stop / start feature pauses agitation when incubator door is opened
- Safety Thermostat to prevent -ve & +ve temperature in additional to microprocessor controller
- Swivel lockable castors with floor standing jacks
- Triple pane tempered glass door

Technical Specifications

Parameters		PI-10 Ultra
Temperature controller		Microprocessor
Audio Visual Alarms: • Agitator Motion fault • Power failure • Compressor run (visual) • Temperature Hi / Low (±2°C) • Door open		Yes
Temperature	°C	22 (Deviation ± 0.5)
Internal volume	Liters	183
Internal Dimension (W X D X H)	mm	540 X 520 X 634
External Dimension (W X D X H)	mm	640 X 685 X 1185
Insulation Thickness	mm	50 mm
Recorder	Seven days chart recorder	
Battery Backup (Controller)	Rechargeable, 8 Hrs (Display, Recorder, Alarm system)	
Electrical	220-240 volts, 50 Hz, Single Phase	

Specifications subject to change without notice

REMI Healthcare

Platelets Incubator & Agitator

LCD Display

LCD Display

- 4 Inch attractive LCD display
- Intelligent Controller helps maintain temperature in case of sensor failure
- Battery Backup for Temperature Controller
- Displays temp, alarms, date & time
- Onscreen access for last 24 Hrs data logs, temp. histogram & system status
- Auto tuning of controller
- Settable High / low alarm points
- Memory for storage of upto 1000 records
- Alarm on equipment / output for remote alarm
- PC communication through RS-485 with data acquisition software
- REMI 'Datasoft' software for generating various reports, SMS alerts & analysis (Optional)

Platelet Agitator - PR 10 Ultra

- Easy Pull out, adjustable shelves ensures inventory management
- Perforated flatbed shelves for uniform air circulation
- Robust motorized slide for effective 24X7 continuous jerk free agitation
- Fixed speed agitation with optimum amplitude for better viability of platelets

PR 10 Ultra

Technical Specifications

Particulars		PR 10 Ultra
Agitator control		Microprocessor
Strokes (adjustable)	Per min	60 to 70
Amplitude	mm	38 ± 2
Dimension	mm	440 X 410 X 395
Trays	Number	9
Capacity	Platelet bags (RDP)	54

Specifications subject to change without notice

PRP Ultra

Next Generation Refrigerated Centrifuge

EU Designed

PRP Ultra

- Sterile Autologous Platelet Concentrate
- Maintains 22°C as per Platelet Separation SOP
- Pre-Validated Set Programs for Standardization
- Platelet Concentration up to 4-5 Times

REMI Healthcare

Specifications subject to change without notice

REMI Healthcare

PRP Ultra

REMI is a leading name in India for Blood Bank & Laboratory equipments. REMI is synonymous for centrifuge performance, since year 1960. Our expertise in blood component separation brings the best solution - PRP Ultra centrifuge for easy extraction of low volume autologous PRP.

PRP Ultra ensures platelet concentration up to 4-5 folds every time. Pre-validated dual spin programs in PRP ultra helps in maintaining standard platelet properties & yield. Microprocessor controls all 5 critical centrifuge parameters (*RPM/RCF, Acceleration, Deceleration, Time & Temperature*), for consistent results.

PRP Ultra
Automation with Ease of Operation

- **Consistent Performance:** Brush-less induction drive motor (practically maintenance free), prevents speed variations, Sophisticated anti vibration system for jerk free operations,
- **Safety Features:** Door interlock prevents accidental lid opening, Overload protection & Imbalance cut off for safety of operator & system.
- **Ease of Operation :** Interactive multicolor backlit LCD display, Feather touch Keypads, Emergency lid opening in case of power failure, LED window to see status of centrifugation from a distance, Comfortable height for an easy access
- **Supports Hygiene:** Easy to clean ABS rounded corner body & Stainless steel inner chamber

Autologous Platelets: Refrigerated centrifugation is the Key

- Vibration free centrifugation with right speed, time & temperature is important for intact biological properties
- Platelet's Processing & storing temperature at 22*C is important

**AABB Technical Manual 18th Edition*

- Cooling centrifuge saves platelets from the effect of heat generated during centrifugation

***Blood Vol 32,No.2 (August), 1998*

Keep blood at room temperature (20 to 24 C) before separating platelet-rich plasma from the red cells. This separation must take place within 8 hours of phlebotomy.

**** Method 6.13. Preparation of Platelets from Whole Blood**; AABB Technical Manual 18th Edition*

Heat induced loss of functional capacity is due to irreversible structural changes in platelets develop after warming PRP above 40^0C. Heat produced a distinct morphological transformation characterized by loss of discoid shape, irregular swelling, and movement of hyaloplasmic organelles.

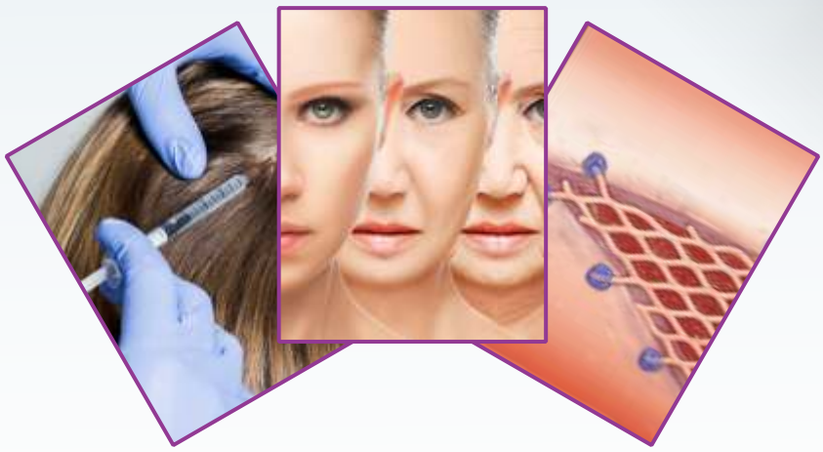
***** Effect of heat on platelet structure and function**; Dr James G. White; Blood, Vol.32, No. 2 (August), 1998*

Specifications subject to change without notice

REMI Healthcare

PRP Ultra
Excels Tissue Growth Naturally

Dermatology & Plastic Surgery



- *Alopecia (Baldness)*
- *Hair Transplant*
- *Skin Rejuvenation*
- *Vampire Facelift*
- *Wrinkle Improvement:*
- *Skin Graft Fixation*
- *Skin Pores & Elasticity*
- *Autologous Fat Transfer*
- *Fixation of Cartilage Bone*
- *Skin Pigmentation disorder*

- *Striae Distensae (Streatch Marks)*
- *Accoustic Neuroma*
- *Craniofacial Surgery*
- *Head & Neck Cancers*
- *Chapped skin*
- *Burn wound*
- *Tonsillectomy*
- *Parotidectomy*
- *Thyroidectomy*

- *Ocular Surface Disorders*
- *Ocular Epithelial Defects*
- *Symptomatic Dry Eye Disease*
- *Dormant Corneal Ulcers*
- *Refractory corneal ulcers*

Ocular Regeneration

- *PRP in Sexual Dysfunction*
- *Priapus Shot in Men*
- *O Shot in Women*
- *Non surgical Vaginal Cosmetic & Rejuvenation*
- *PRP in endometrium Health*
- *Stimulation of Ovary function*

Sexual Dysfunction & IVF

Specifications subject to change without notice

REMI Healthcare

The Complete Blood Banking Solution

Diabetic & Wound Management

- *Infected Wounds*
- *Wound Stitches Marks*
- *Venous Ulcer & Venostasis Ulcers*
- *Severe Burn & Cellulitis*
- *Non Healing Wound*
- *Diabetic Foot Ulcers & Diabetic Neuropathy*
- *Bed Sore Heels Pressure Ulcer*
- *Neuropathic Ulcer & Decubitus Ulcers*

PRP Ultra

Excels Tissue Growth Naturally

Dental Procedures

- *Supplementary to all GBR (Guided Bone Regeneration Technique)*
- *Bone grafting for dental implants.*
- *Ridge augmentation procedures,*
- *Closure of cleft, lip and palate defects*
- *Repair of Dental Bone Defects*
- *Improvement in stability of Dentition*
- *Repair of Fistulas between sinus cavity and mouth*

- *Tendon Ligament & Cartilage Injuries*
- *Plantar Fasciitis,*
- *Achilles Tendonitis*
- *Trigger Finger Tendon Injury*
- *Shoulder Adhesive Capsulitis (Frozen Sholder)*
- *Chronic Elbow Inflammation*
- *Damaged shoulder rotator cuff*
- *Chondromalacia patellae (Ligament injury of ankle)*
- *Cervical Laminectomy*
- *LeFort Fractures (Guerin's Fracture)*
- *Knee Degenerative Arthritis*
- *Elbow Bursitis (Chronic Elbow Inflamation)*
- *Chondromalacia (Inflamation of Patella & Softening of cartilage)*
- *Lumbar Fusion (Spinal fusion surgery)*
- *Axillary Dissection*
- *Wedge Tarsectomy*
- *Thumb Degenerative Arthritis*
- *Non-Union Bony Defects*

Orthopedic & Sport Injuries

Specifications subject to change without notice

REMI Healthcare

Advantages of PRP Therapy

PRP - Platelet Rich Plasma

The PRP therapy is gaining in popularity as single supportive treatment option for many indications. Autologous PRP contains different growth factors and other cytokines which may elicit gathering of stem cells around the damaged region stimulating cellular proliferation and tissue regeneration.

PRP contains growth factors that stimulate cellular growth and division.

- TGF-B (Transforming Growth Factor-beta)
- bGFG (Basic Fibroblast Growth Factor)
- PDGFa-b (Platelet Derived Growth Factor)
- EGF (Epidermal Growth Factor)
- VEGF (Vascular Endothelial Growth Factor)
- CTGF (Connective Tissue Growth Factor)

PRP Advantage

Safe	Convenient	Natural	Effective
Autologous blood means there is no risk of infection, allergic reaction, or any other side effect.	The treatment is quick and absolutely non-Invasive.	Patient feel no sense of violation by foreign bodies and the treatment effects are completely natural.	Treatment uses natural growth factors, its effects are proven & well documented

Autologous Platelet Rich Plasma (aPRP) is given as **Proliferation therapy** or **Regenerative injection therapy.**

Activated Platelets releases growth factors, proteins & cytokines that initiate and regulate natural wound healing. Fibrin, fibronectin, and vitronectin present in Plasma also contribute to repair matrix.

Optimum Platelet Concentration Level for PRP: -

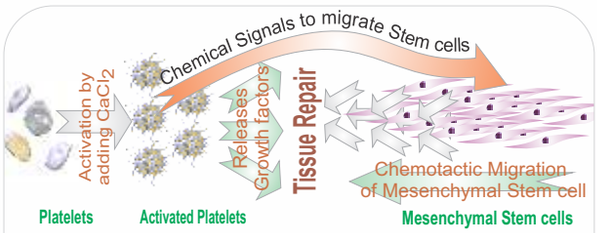
1m platelets/µL appears to be the "magic number" Or levels are in the 4-5x range, the influx of adult stem cells has been noted to increase by over 200%.

Activation of PRP: -

Growth Factors from PRP are released within 10 minutes of activation. PRP can also be artificially activated by mixing with 10% calcium chloride (W/V) and/or thrombin to make a gel-like graft. The activation is either done just prior to injection or through injecting the activator simultaneously via another syringe at the desired healing site.

PRP Mechanism of Action: -

PRP stimulates the chemotactic migration of human mesenchymal stem cells to the injury site in a dose-dependent manner - i.e., the more concentrated the platelets, the more stimulation.



Mechanism of Action of PRP at Injury site**

** *Platelet-Rich Plasma Enhances the Initial Mobilization of Circulation-Derived Cells for Tendon Healing J. Cell. Physiol. 2008. 215: 837-845.*

No PRP Added PRP Added

Illustration of the split-thickness skin graft donor site at 45 days.*

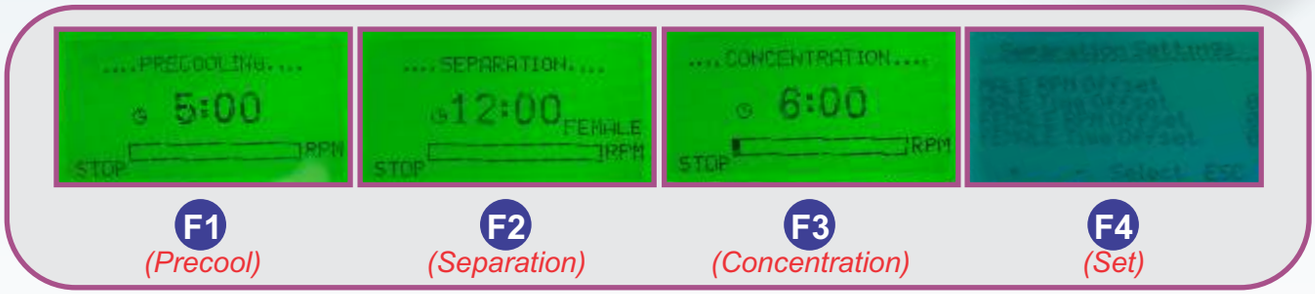
* *Dental and craniofascial applications of platelet-rich plasma. Quintessence Publishing Co. Inc. 2005*

REMI Healthcare

PRP Ultra

Next Generation Refrigerated Centrifuge

Multicolor Display with Pre-validated Set Programs



PRP Ultra Display

Dedicated Preset Function Keys:

- **F1** Pre-cool run before procedure
- **F2** 1st spin for platelet separation
- **F3** 2nd spin for platelet concentrate
- **F4** Speed & time adjustment for quality validation

(Programmed for pre-cooled / run at 22°C temp)

Technical Data	
	PRP Ultra
Dimensions WxDxH (mm)	440 x 560 x 335
Voltage Stabilizers	VS - 02
Supply: 220-240 Volts 50 Hz single Phase	

Specifications subject to change without notice

REMI Healthcare

The Complete Blood Banking Solution

PRP Ultra

DrPRP

The Perfect Companion for

Sterile and Secure

Procedure

USFDA 510(k) Approved Kit

EU Quality Management System Certified Kit

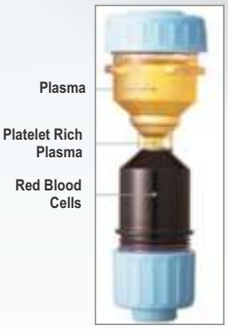
- **Autologous Platelet Concentrate at Its Best**
- **Dual Spin Method for Quality Platelet Yield**
- **Closed System Kit for Safe Therapy**

Specifications subject to change without notice

REMI Healthcare

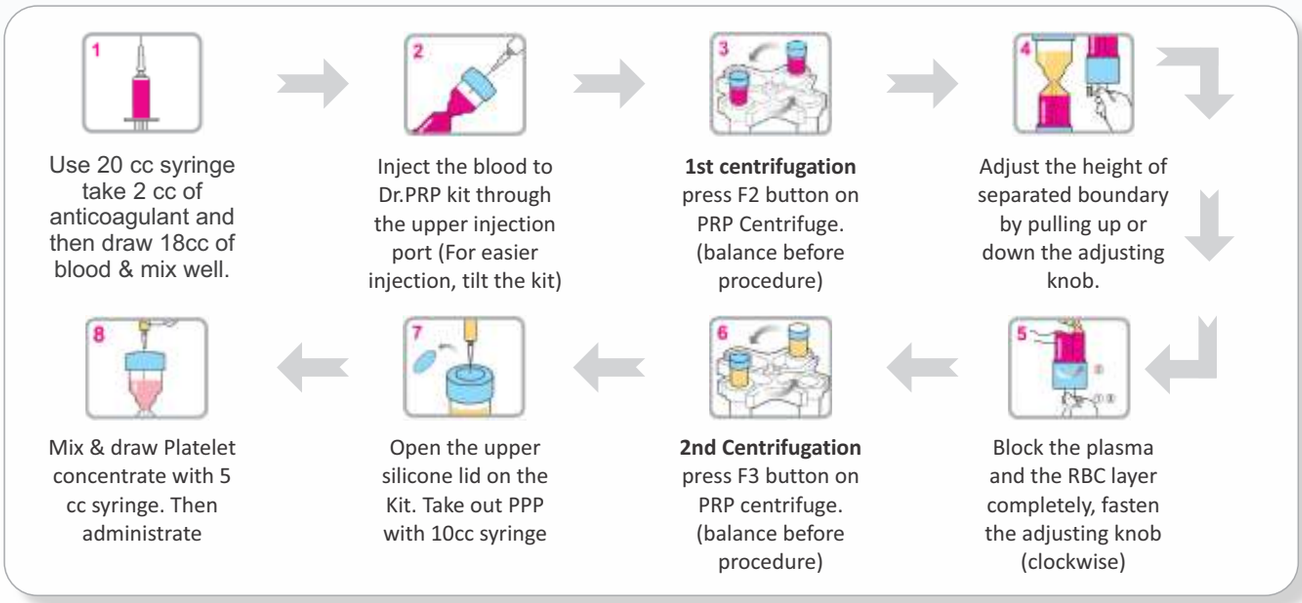
Dr.PRP®

Dr.PRP is a medical device exclusively designed for autologous PRP separation. Highly concentrated platelets by the Dr.PRP kit release large amounts of growth factors which are normally inside the platelets.



Dr. PRP Kit

Extraction Procedure of Autologous Platelets



The viability of the platelets and continued release of growth factors into the tissue continues for seven days. The amount of initial platelets present in the wound determines the rate of wound healing.

Platelet rich plasma: evidence to support its use.
J Oral Maxillofac Surgery. 2004 62: 489 496. 28. Ibid. ref. 25; p 4

PRP may be valuable in enhancing soft tissue repair and wound healing.

Enhanced histologic repair in a central wound in the anterior cruciate ligament with a collagen platelet rich plasma scaffold. J Orthop Res. 2007;25(8):1007 1017.
G. Clinical use of platelet rich plasma in orthopaedics. AAOS Now. 2012;6(8)

Physicians should consider platelet rich plasma prolotherapy for patients with tendinopathies before any surgical interventions.

Donna D. Alderman, DO Medical Director Hemwall Center for Orthopedic Regenerative Medicine Valencia, California

Specifications subject to change without notice

REMI Healthcare

QuikFuge

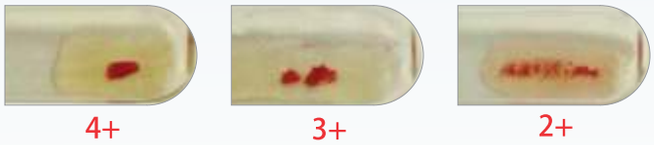
QuikFuge

Quickly grades agglutination reactions within 15 seconds

Versatile centrifuge for quick, innovative cell washing & testing

- **Blood typing**
- **Cross matching**
- **Genotyping**
- **Phenotyping**
- **Coombs testing**
- **Manual cell washing**

Grading of weak agglutination reactions... ...possible by precise & quick spin



Rightly packed RBC button has
sharp edges - clear background - easy re-suspension

Salient Features:

- Single hand removal of rotor head from spindle
- Retainer silicon ring to hold the tubes firmly with rotor
- The interchangeable heads work like holders, avoids individual handling while
  - Sample filling
  - Sample centrifugation
  - Sample incubation
  - Sample emptying or pouring off
- Sample tube position
  - **In Motion:** Swing out to an angle of 45° - For quick cell deposition
  - **At Rest:** Resume a vertical position – For easy pouring off supernatant solution after button is formed
- Tube positions are numbered for quick identification
- **Easy cell washing** : Supernatant solution can be poured off from all the tubes simultaneously by inverting rotor head

Specifications subject to change without notice

REMI Healthcare

QuikFuge

- Easy switch over for preset stable speed for 400g & 1000g with switch over button
- Quick time setting in minutes & seconds
- Stable speed output even under unstable voltage conditions
- Preset acceleration & deceleration for quick operations
- Buzzer on alarm for process status
- Door interlock
- Last parameter recall

Standard Accessory

Agglutination Reaction

Technical Specifications

Parameters	QuikFuge
Controller	Microprocessor based
Dimensions (W x D x H) in mm	320 x 420 x 280
Rotor	5 ml x 12 nos & 10ml x 6 nos
Tube dimensions	dia 12, Length 75 mm & dia 13, Length 100 mm
Display	LED
RCF	Preset 1000g (High) & 400g (Low)
Timer	5 Sec to 9 minutes
Brake	High
Weight (kg)	13
Electrical	220-240 Volts, 50 Hz, SINGLE PHASE

Specifications subject to change without notice

REMI Healthcare

REMI Dry Hot Air Oven

RDHO Series

RDHO 50

RDHO 80 (GMP)

REMI Dry hot air oven — RDHO series are specially designed to achieve extreme dryness by evaporating all moisture contents from the biomass or other material. Microprocessor control helps in achieving precise high temperature with forced convection. Suitable for varied applications in laboratories and scientific research institutions

GMP Models are with Inner & Outer Stainless Steel, 304 grade

Salient Features :

- Microprocessor PID controller (with timing function)
- Polished stainless-steel chamber with rounded corners for easy & quick cleaning
- Uniform distribution of air temperature
- Forced-air convection
- Double layer glass door, larger viewing window

Technical Specifications

Model	RDHO 50	RDHO 80	RDHO 130	RDHO 220
Internal dimension (W × D × H) mm (Standard)	420 x 395 x 350	450 x 400 x 450	550 x 450 x 550	600 x 500 x 750
External dimension (W × D × H) mm (Standard)	720 x 590 x 520	740 x 618 x 630	935 x 860 x 850	980 x 930 x 1050
Internal dimension (W × D × H) mm (GMP)	420 x 395 x 350	450 x 400 x 450	550 x 450 x 550	600 x 500 x 750
External dimension (W × D × H) mm (GMP)	798 x 807 x 642	828 x 812 x 742	935 x 860 x 850	980 x 930 x 1050
Chamber Volume (Litres)	50	80	130	220
Temperature range	RT+10°C-300°C			
Temperature accuracy	±1°C			
Display resolution	0.1°C			
Timing range	1-9999min			
Shelves (Nos)	2	2	3	4
Power consumption (Watts)	1500	1500	2000	2600

Supply: 220-240 Volts, 50 Hz Single Phase.

Specifications subject to change without notice

REMI Healthcare

RDC Chairs - REMI Day Care Chairs

Enhance your medical facility's capabilities with REMI Day Care Chair - the perfect blend of comfort, functionality and durability. Choose the variant **RDC 2M** or **RDC 3M** that suits your requirements and provide the best care for your patients. **RDC 2M** & **RDC 3M** are ideal for Blood Donation, Day Care Procedures, Dialysis and Chemotherapy.

RDC 2M

RDC 3M

Electrically Operated

- Wired remote control for easy and precise adjustments
- Independent movement of leg & back sections for personalized positioning.
- RDC 3M offers height adjustment for added flexibility.
- Flat bed position and any intermediate position required for specific patient needs and procedures.
- Head Low position in case of Vaso-Vagal reactions.

Comfortable Design

- Broad Armrests with adjustable movements, including tilt position & height adjustment.
- Adjustable Head Rest for patient comfort

Construction:

- All metal construction ensures durability and stability.
- Easy to clean upholstery for hygienic environment.
- Castor wheels with brakes for easy manoeuvrability and secure positioning

REMI Healthcare

Optional Accessories:

- Movable Stand for Blood Collection Monitor and Phlebotomy materials.
- Glass Holder, Food Tray, Towel Stand to enhance patient experience.
- Battery Backup

Technical Specifications		
Parameters	**RDC 2M**	**RDC 3M**
No of Motors/Actuators	2	3
Motorized Movement	Leg Section, Back Section	Leg Section, Back Section, Height adjustment
Wheels	Anti-skid, Dual Lock PU castors	
Construction	Epoxy Powder Coated Steel Frame	
Upholstery	Anti Microbial Leatherette, with CFC free PU Foam	
Hand Rest Movement	Vertical & Horizontal movement and Height Adjustment	
Weight Carrying Capacity	200 Kg	
Dimensions		
Back Section	890 mm L, 610mm W	
Seat Section	500 mm L, 610 mm W	
Leg Section	410mm L, 555mm W	
Total Length of Chair- in Flat Bed Position	1840 mm	
Minimum Height from Ground	600 mm	
Maximum Height from Ground	850 mm* with maximum Height adjustment available in RDC 3M	
Arm Rest	152.4 mm Width, 533.4 mm Length	

Electrical 220V- 240V, 50 Hz, Single Phase

Specifications subject to change without notice

REMI Healthcare

REMI Heating Incubators
RHI Series

RHI 50

RHI 80 (GMP)

REMI heating incubators -RHI series are suitable for achieving precise incubation temperature of different laboratory samples required for optimizing reaction sensitivity

GMP Models are with Inner & Outer Stainless Steel, 304 grade

Salient Features :

- Microprocessor controller
- Interior is made of polished stainless steel with rounded corners for easy & quick cleaning
- The space between the shelves is adjustable.
- Full inner glass door for easy observation
- Self-check function easy to identify problems.
- Over temperature and temperature difference alarms

Technical Specifications

Model	RHI 50	RHI 80	RHI 160	RHI 270
Internal dimension (W × D × H) mm (Standard)	415 x 360 x 355	500 x 400 x 400	500 x 500 x 650	600 x 600 x 750
External dimension (W × D × H) mm (Standard)	670 x 480 x 500	765 x 515 x 545	800 x 885 x 875	900 x 990 x 980
Internal dimension (W × D × H) mm (GMP)	415 x 360 x 355	500 x 400 x 400	500 x 500 x 650	600 x 600 x 750
External dimension (W × D × H) mm (GMP)	715 x 745 x 580	800 x 700 x 625	800 x 885 x 875	900 x 990 x 980
Chamber volume (Litres)	50	80	160	270
Shelves (Nos)	2	2	3	4
Temperature range / Accuracy	RT+5°C-65°C / ±.1°C			
Display resolution	0.1°C			
Timing range	1 min to 9999 min			
Type of heating	Forced air convection			
Power consumption (Watts)	300	400	1500	1500

Supply: 220-240 Volts, 50 Hz Single Phase.

Specifications subject to change without notice

REMI Healthcare

Plasma Freezer

REMI Plasma Freezer are designed to meet the storage requirements of Plasma.

- **Cabinet Construction:**
  Durable, corrosion resistant materials are used to provide years of reliable performance. The outer body is made up of powder coated CRCA Steel & internal cabinet of Stainless Steel 304 (AISI Grade, Non Corrosive and Non Magnetic).

- **Temperature Control & Monitoring:**
  Microprocessor integrated system provides excellent temperature accuracy. 7 days chart recorder & audio visual alarm system helps to indicate disturbance in storage conditions.

- **Variants:**
  REMI Plasma Freezer available as RPF & RPF Ultra variants. Both the variants are available in 2 different capacities.

Salient Features :

- Precise temperature management with the help of highly sensitive microprocessor controller.-40^{0}C
- High density insulated cabinet & outer door, with inner insulated S.S. doors to minimize cold air loss during door openings.
- Large display of temperature with all the controls on the door & at eye level for ease of operation
- Audio / Visual alarms for
  - Temperature high / low
  - Power failure
  - Door Open
  - Compressor on
  - Power on
- Battery backup for alarm system, temperature display & chart recorder
  - Standard: 8Hrs (inbuilt rechargeable batteries)
  - Extended (Optional): 24 Hrs (with UPS and rechargeable batteries)

RPF 336

- Settable points of
  - Temperature high / low
  - Adjustable temperature range
  - High / low temperature alarm point
  - Buzzer off time (LCD)
- Auto Door Closure
- Smart Handle :
  - Indication of door close with green light
  - Key Lock
  - Indication of door open with blinking red
- Vacuum Release Port
- Port for Co_2 backup (Optional)

Specifications subject to change without notice

REMI Healthcare

Plasma Freezer

LED Display

LCD Display

LCD Display

- 4 Inch attractive LCD display
- Intelligent Controller helps maintain temperature in case of sensor failure
- Auto tuning of controller
- Self-Diagnosis for errors
- Histogram format of 24 hours temperature recording
- Settable High / low alarm points
- Memory for storage of upto 1000 records
- Centronic interface to record Temperature, Date, & Time by attaching Dot Matrix printer with adjustable print interval
- Alarm on equipment / output for remote alarm

Technical Specifications

Parameters	RPF 224	RPF 224 Ultra	RPF 336	RPF 336 Ultra
Temperature control	Microprocessor		Microprocessor	
Display	LED	4" LCD	LED	4" LCD
Internal dimensions W x D x H (mm)	580 x 555 x 1010		580 x 555 x 1340	
External dimensions W x D x H (mm)	740 x 780 x 1600		740 x 780 x 1930	
Gross internal volume	325 Ltrs.		425 Ltrs.	
Capacity of plasma bags	360		480	
Number of Racks (Adjustable)	3		4	
Number of inner doors	3		4	
Drawer capacity	Maximum 120 bags			
Minimum Temperature (in AC Room)	Up to -40°C			
Internal body material	S.S. 304 (AISI grade, Non corrosive, Non magnetic)			
External body material	Powder coated CRCA steel			
Insulation	High density upto 80mm CFC free polyurethane foam			
Recorder	Seven days circular chart recorder			
Noise level	Less than 65 db(A)			
Battery backup	Rechargeable maintenance free for Alarm System, Temperature Display & Chart Recorder			
Power Failure Alarm	Audio visual alarm			
Recommended voltage stabilizer	VS 03			

Supply: 220-240 Volts, 50 Hz Single Phase.

Specifications subject to change without notice

REMI Healthcare

Quality Stripper RQS A

RQS A

Supporting your efforts to excel in Quality

RQS A is an automated tube stripper for smooth & effortless stripping of blood bag tubes. The proper mixing of blood present in the tube with the entire content of blood bag helps in anticoagulation of blood in the tubing, prior to preparing segments. This is an integral & important process during blood collection & quality component preparation.

The ergonomically designed hand held automated tube stripper helps in improving compliance as manual tube stripping makes technician's prone to wrist injuries due to ergonomic causes. The automation also helps in standardization of the process & adherence to the SOP's. The battery backup for 1000 cycles in RQS-A makes it an ideal choice for blood donation camps.

Salient Feature

- Motorized metallic roller & one free roller for smooth tube stripping
- Designed for easy manual operation with convenience
- Easy to use hand roller
- Portable battery pack, backup 1000 cycles
- Automatically strips tube once the metallic handle is pressed
- Uniform radial force across the tube–prevents abrupt manual pressure
- Audio visual alarm for overload protection
- Guiding groove for correct tubing position, fed through rollers
- Suitable for all commercially available blood bags

Technical Specifications	
Parameters	**RQS A**
Overall Dimensions (LXBXH)	180 x 68 x 85 mm
Max Tube Diameter	6.5 mm
Stripping wheel diameter	33.5 mm
Max Stripping Speed	325 RPM
Weight without power module	600 gm
Battery backup	1000 cycles
Operating Temperature	0 to 40°C
Input Supply	110 – 240 V

American Association of Blood Banks

Strip the attached tubing at least four times, mixing the contents of the tubing with the contents of the bag, to ensure that the contents of the tubing accurately represent the entire contents of the bag.

Specifications subject to change without notice

REMI Healthcare

REMI Water Bath

RWB Series

RWB-6

RWB-12

REMI Water Bath is multipurpose water bath with six holes/ twelve holes to hold different size samples for easy & hygienic heating. Water Bath provides precise and constant temperature helps achieving uniform heating for the samples

Salient Features:

- Microprocessor control with timing function
- Digital display
- Audible and visual alarm for over temperature
- **GMP versions with Inner & Outer SS 304**

Technical Specifications

Parameters	RWB - 6	RWB - 12
Temperature Range	RT ± 5°C ~99°C	RT ± 5°C ~99°C
Temperature Stability	±0.5°C	±0.5°C
Deviation Ability	±2°C	±2°C
Chamber Volume	15 Ltrs	28 Ltrs
Interior Dimension (W x D x H) (mm)	450 x 300 x 110	500 x 390 x 125
Timing Range	1~999 min.	1~999 min.
No. of hole	Six holes	Twelve holes
Heater Capacity (Watts)	1500	3000

Supply: 220-240 Volts, 50 Hz Single Phase.

Specifications subject to change without notice

REMI Healthcare

Blood Storage Refrigerators – Series B

Introducing our **Best Value Series B** Blood Bank Refrigerators, designed to ensure the safe and reliable storage of Whole Blood and pRBCs at a consistent temperature of +4°C. It is available in two variants- **Base Model** and **Ultra Model**. These refrigerators offer all the essential features necessary for efficient blood storage, combining quality and affordability.

Key Features

BR 200B Ultra

- **Pull-Out Drawers:** SS perforated drawer facilitate air circulation around the blood bags.
- **Insulated Glass Door:** Offers clear visibility while maintaining internal temperature.
- **Plexiglass Shields:** Installed on each tray to prevent temperature disturbances in adjacent trays.
- **Roller Wheels with leveling jack:** For easy mobility and secure positioning.
- **Forced Air Circulation:** Ensures uniform temperature distribution across the chamber.
- **Inbuilt Stabilizer:** Equipped with a voltage stabilizer for uninterrupted performance.
- **PT 100 Type Sensors:**
  - **Glycerol Solution Sensor:** Monitors the temperature of stored blood.
  - **Air Sensor:** Commands the compressor to maintain the internal temperature.

Specifications subject to change without notice

REMI Healthcare

Additional Features of Ultra Variant

LCD Display

- **Display:** LCD Display with internal data logging.
- **Memory:** Stores up to 1000 temperature records
- **Alarm Events:** Displays temperature records and alarm events on the LCD in the form of a histogram.
- **Past 24-Hour History:** Detailed temperature history display.
- **Connectivity:** RS 485 port for external connectivity and downloading temperature records to a PC via REMI Datasoft software

Technical Specifications

Particulars	BR 130B	BR 130B Ultra	BR 200B	BR 200B Ultra	BR 280B	BR 280B Ultra	BR 360B	BR 360B Ultra
Temperature Control	Microprocessor with PT-100 sensor							
Display	LED	4" LCD	LED	4" LCD	LED	4" LCD	LED	4" LCD
Internal Dimensions W x D x H (mm)	420 x 445 x 1118		500 x 500 x 1254		500 x 500 x 1504		560 x 570 x 1560	
External Dimensions W x D x H (mm)	500 x 726 x 1660		585 x 781 x 1792		583 x 781 x 2053		640 x 851 x 2135	
Internal Volume (Liters)	200		300		350		460	
Number of Drawers	5		5		7		7	
Max Capacity of Blood Bags (350ml/450ml bags)	120/105		165/135		231/189		308/252	
Max Drawer Capacity (350ml/450ml bags)	24/21		33/27		33/27		44/36	
Temperature	Preset at 4°C ± 0.5°C							
Temperature Alarm	≥ 6°C & ≤ 2°C, Audio Visual Alarm							
Power Failure Alarm	Visual Alarm							
Door Open Alarm	Audio Visual Alarm in case door open for over one minute							
Internal Body Material	Stainless Steel - 304 grade							
External Body Material	GI Sheet epoxy powder coated							
Insulation	High density polyurethane foam insulation. CFC Free							
Illumination	LED Strip							
Recorder	Seven days circular chart recorder							
Noise Level	Less Than 60 dB(A)							
Battery Backup (Controller)	Rechargeable, maintenance free battery for Display, Alarm system & Chart recorder							

*Supply:220-240, 50Hz Single Phase

Specifications subject to change without notice

REMI Healthcare

Biological Refrigerators
SeroCool Series

SeroCool 400

Salient Features:

- Microprocessor based accurate temperature control with advanced PT-100 sensor
- Outer body : Galvanized steel with anti scratch rust proof polish
- Inner body : Medical-grade compression molded plastic
- Adjustable coated wire mesh shelves
- Clear product visibility with moisture resistant full glass door with magnetic gasket
- High / low temperature alarm
- Hermetically sealed, energy saving, low noise, easy to service compressor.
- Self-Closing door with lock & magnetic gasket
- Forced-air Circulation, auto-switch off on door opening for uniform temperature ($<\pm 1^{\circ}C$ deviation).
- Automatic fast defrosting with antifreeze technology with digital controller
- Data documentation can be read via RS-485 interface.
- Audio-visual alarm in the case of temperature deviations and power failure.
- LED-Illumination mounted on side wall.
- 4 inch attractive LCD display.
- Histogram format of 24 hr temperature recording.
- Memory of 1000 records with RS-485 port.
- Battery-backup for temperature controller
- Built in voltage stabilizer
- For effortless movement, a trolley is available as an optional accessory at an extra cost.

SEROCOOL series of biological refrigerators are specially designed to store temperature sensitive reagents, kits & biological specimens. **Serocool** meets requirement of various departments of hospital, pharmacies & medical diagnostic laboratories i.e. ;Pathology, Biochemistry, Hematology, Microbiology, Molecular, Serology & Genetics.

Environment friendly high density insulation with advanced high capacity compressor helps in safe & accurate temperature management for sensitive biological samples. Full glass door helps in convenient view of stored samples along with forced air circulation system to ensures uniform temperature across the chambers. Adjustable trays helps to optimize the storage space for samples of varied sizes.

Specifications subject to change without notice

REMI Healthcare

Biological Refrigerators
SeroCool Series

- Microprocessor Based Precise Temperature Control
- CFC Free Refrigerant & PUF Insulation
- Efficient Refrigeration Quick Temperature Pull Down
- Microprocessor Based Auto-defrost Moisture Resistant Glass Door
- Menu Driven Settings Data Encryption & Protection
- Ergonomically Designed User Friendly Controls & Alarms
- Intelligent Forced Air Blower Temperature Uniformity $\pm 1^{\circ}C$
- Energy Efficient Long Temperature Holdover

4" LCD Display

Trolley (Optional)

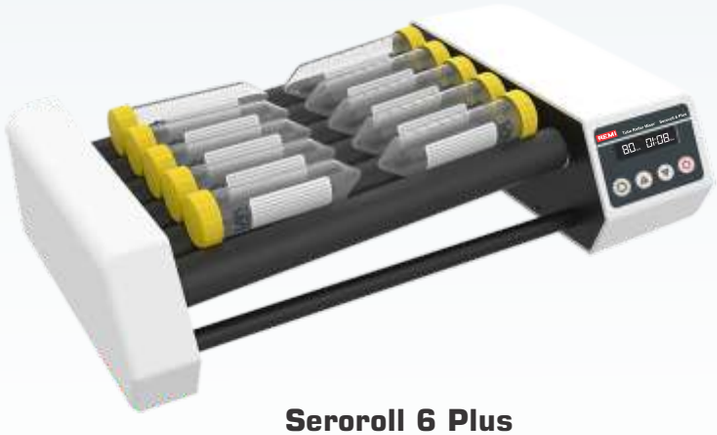
Technical Specifications				
Parameters	SeroCool 200	SeroCool 300	SeroCool 400	SeroCool 500
Capacity (liters)	200	300	400	500
Internal dimensions W x D x H (mm)	420 x 485 x 1243	500 x 540 x 1384	500 x 540 x 1634	560 x 608 x 1690
External dimensions W x D x H (mm)	500 x 726 x 1660	585 x 781 x 1792	583 x 781 x 2053	640 x 851 x 2135
Temperature Setting Range	1° C ~ 10° C (Adjustable)			
Display	4" LCD			
No. of Trays	3	4	5	6
No. of Door (Glass)	1	1	1	1
Insulation	50 mm thick PUF CFC / HCFC Free			
Supply	220-240 V, 50 Hz, Single Phase			

Specifications subject to change without notice

REMI Healthcare

Tube Roller Mixer
SeroRoll 6

NEW INTRODUCTION



Seroroll 6 Plus

Specially designed to achieve uniform consistency in serological samples. Rolling bed is designed to mix all size samples in Blood Tubes, Conical Tubes, Culture Bottles etc

Salient Features:

- Gentle rocking & rolling for optimum mixing
- Timing function
- Adjustable speed
- Brushless motor with quiet operation.

Technical Specifications	
Parameters	**Seroroll 6 Plus**
Speed	20 - 80 rpm
Number of Rollers	6
Roller size	34 x 280 mm
Motor Type	Brushless
Motion	Rocking and rolling
Operation type	Continuous and timed operation
Display	LCD
Timer range	1 min - 23h59min
Dimensions (W x D x H) mm	440 x 255 x 105

Supply: 220-240 Volts, 50 Hz Single Phase.

SeroRoll 6 is specially designed to achieve uniform consistency in serological samples, eventually helps in increasing the sensitivity of the planned testing. Rolling bed of **SeroRoll 6** is designed to mix all size samples in blood sample tubes, falcon tubes, culture bottles, etc.

Seroroll 6

Salient Features :

- Gentle ROCKING and ROLLING system for optimum mixing
- Suitable for mixing blood sample and viscous substance
- Adjustable speed ranging from 10 to 80 RPM
- Adjustable timer ranging from 0 min to 99 mins and infinite
- Error indication for overloading of samples

Technical Specifications	
Parameters	**Seroroll 6**
Motor Type	BLDC motor
Motion	Rocking and rolling
Number of tubes	15 x 7 ml Blood Tubes
Roller size	30 x 327 mm
Speed range	10 to 80 RPM
Timer range	0 to 99min.
Operation type	Continuous and timed operation
Tilt angle	3°
Dimensions (W x D x H) mm	496 x 107 x 292

Supply: 220-240 Volts, 50 Hz Single Phase.

REMI Healthcare

Mini Rotary Shakers

RS-18 Plus

RS-12 Plus

For gentle mixing of fluids in test tubes & glass vessels in pathology, microbiology, chemistry, molecular biology & biotechnology.

Model **RS-12 Plus & RS-18 Plus** shakers are with universal platform suitable to accommodate interchangeable clamps of assorted sizes. A variety of clamps are available.

Model **RS-12R** shakers are with built-in speed regulator. These shakers have platform with 3 adjustable rollers.

Technical Data				
Model		**RS-12 R**	**RS-12 Plus**	**RS-18 Plus**
Speed Range	rpm	80 to 180	50 to 400	50 to 250
Platform Size	inches	7 x 11	12 x 12	20 x 20
Flasks Capacity (max)		-	5 x 500 ml	4 x 2000 ml
Overall Dimensions	W x D x H (mm)	270 x 260 x 156	320 x 415 x 130	520 x 613 x 155
Speed Indicator		Digital	Digital	Digital
Digital Count down Timer	minutes	199	199	199
Motor	Type	PMDC	Brushless DC	
Shaking Orbit	mm	10	10	10

Supply: 220-240 Volts, 50 Hz Single Phase.

Essential Clamps for RS-12 Plus & RS-18 Plus								
Models	**Platform Size**	**Max. Volume**	**Max. No. of clamps (To be ordered separately)**					
			2000 ml.	1000 ml.	500 ml.	250 ml.	150 ml.	100ml/ 50ml
RS-12 Plus	12" x 12"	2.5 Litres	-	-	5	9	9	9
RS-18 Plus	20" x 20"	9 Litres	4	9	13	25	25	25

Rocker Shakers

RS-10 Pro

Salient Feature:

- Timing Function
- Adjustable speed
- Speed increases in step of 1 RPM
- Choice of timed & Continuous mode
- Suitable for a variety of containers

Technical Data	
Model	**RS - 10 Pro**
Motor	Geared
Speed	10 - 80rpm
Timer Range	1min - 24hrs
Max Load	2kg
Display	LCD
Tilt Angle	7°
Tray size in mm	Silicone tray 250 x 250
Dimensions (WxDxH)	355 x 260 x 135 mm

Supply: 220-240 Volts, 50 Hz Single Phase

REMI Healthcare

Thawing Baths

CB 704

CB 705

REMI Thawing bath offer quick and optimum thawing of plasma at required temperature levels.

Available in two variants refrigerated & non-refrigerated

CB 704, is a refrigerated thawing bath for preparation of cryoprecipitate at required temperature of 4°C

CB-705, is a non-refrigerated thawing bath for quick thawing of plasma at required temperature of 37°C

Salient Features

- Microprocessor based precise temperature control
- High performance 1.5 kw heater & compressor to achieve the set temp
- Over temperature safety limit, audio visual alarm
- LED monitor to display the working status of thawing bath
- Continuous water circulation for temp uniformity & rapid thawing
- Audio visual alarm after elapsed time

  Capacity to thaw 15 plasma bags
- Timer to indicate, process remaining time (optional)

Technical Specifications		
Parameter	**CB-704**	**CB-705**
Temperature settings	+ 4°C & + 37°C (accuracy ± 0.2°C)	+ 37°C (accuracy ± 0.2°C)
External Dimensions W x D x H (mm)	910 x 600 x 1090	760 x 530 x 640
Thawing Timer	Adjustable up to 2 Hrs	
Internal Body Material	Stainless steel AISI 304 grade	
External Body Material	Powder coated CRCA steel	
Noise Level	Less than 65 db(A)	
Recommended Line Voltage Corrector	3 KVA	
Electrical	220-240 volts, 50 Hz, Single Phase	

Specifications subject to change without notice

REMI Healthcare

THERMISAFE SL

THERMISAFE DL

BLOOD AND INFUSION WARMERS

Hypothermia is one of the most underestimated risks during and after surgery. In hospitals, every minute matters. Maintaining body temperature not only supports patient wellbeing but also shortens ICU and recovery stays — improving turnaround and care efficiency.

Thermisafe Series ensures precise, uniform warming of blood and IV fluids — improving clinical outcomes and care efficiency.

THERMISAFE SERIES

Blood & IV Fluid / Infusion Warmers

WARMTH THAT HEALS. COMFORT THAT CARES.

The Thermisafe Series offers an intuitive way to prevent hypothermia — no disposables, no complicated setup, just effective warming through a simple silicone sleeve.

The control panel mounts easily on any IV stand and displays set temperature, actual temperature, date, and time. Insert the IV tube into the soft silicone sleeve and let the warmth flow — all the way to the patient.

Why Warmth Matters

- Prevents perioperative hypothermia
- Enhances patient comfort
- Reduces risk of complications
- Enables faster recovery and discharge
- Improves ICU turnaround and operational efficiency

Thoughtful Design

- Standard sleeve size fits all IV sets
- Smooth surface, easy to clean and disinfect
- Biocompatible materials for patient safety
- No additional consumables required

THERMISAFE SERIES

Blood & IV Fluid / Infusion Warmers

Innovative Warming Made Simple

REMI Healthcare

THERMISAFE SL

THERMISAFE DL

KEY ADVANTAGES

Uniform full-length warming — not limited to metal heating segments

- Dual CPU design for maximum safety and redundancy
- Fast preheating: ready in ≤2 minutes
- Triple protection with hardware & software cutoff
- No consumables, no hassle, low running cost
- Optical & acoustic fault indication
- Selectable temperature display in °C & °F

FEATURES

	THERMISAFE SL	THERMISAFE DL
CONFIGURATION	SINGLE SILICONE SLEEVE	DUAL SILICONE SLEEVES
TYPICAL USE	IV FLUID / INFUSION WARMING	BLOOD TRANSFUSION & INFUSION SIMULTANEOUSLY
APPLICATIOIN AREAS	IV FLUID / INFUSION WARMING	OPERATING ROOMS, CRITICAL CARE UNITS
CONTROL PANEL	LARGE DISPLAY WITH SET TEMPERATURE, DATE, TIME	SAME AS SL, MONITORS BOTH LINES
TEMPERATURE RANGE	32°C TO 42°C ADJUSTABLE	32°C TO 42°C ADJUSTABLE
SAFETY	DUAL CPU WITH TRIPLE PROTECTION	DUAL CPU WITH TRIPLE PROTECTION
EASE OF USE	PLUG-AND-PLAY OPERATION	INDEPENDENT CONTROL FOR BOTH SLEEVES

THERMISAFE SERIES

Blood & IV Fluid / Infusion Warmers

SMART, SAFE & EFFORTLESS WARMING

THERMISAFESERIES

Blood & IV Fluid / Infusion Warmers

WARMTH. RECOVERY. CONFIDENCE.

THERMISAFE SL – SINGLE LINE BLOOD & IV FLUID WARMER

THERMISAFE DL – DUAL LINE BLOOD & IV FLUID WARMER

FOR HEALTHCARE PROFESSIONALS WHO BELIEVE THAT WARMTH IS HEALING.

TECHNICAL SPECIFICATIONS

MODEL	THERMISAFE SL	THERMISAFE DL
Temperature Range	32°C to 42°C adjustable	32°C to 42°C adjustable
Preheating Time	≤2 minutes (from 23°C to 42°C)	≤2 minutes (from 23°C to 42°C)
Heating Element	Dry silicone sleeve	Two dry silicone sleeves
Temperature Control	Dual CPU design with triple protection	Dual CPU design with triple protection
Display	Color LCD – shows set & actual temperature, date & time	Same display – dual readout
Alarms	Optical & acoustic indication for High Temperature	Optical & acoustic indication for High Temperature
Temperature Sensor	Integrated at outlet end (patient side)	Dual integrated sensors
Mounting	Clamp-type for IV stand	Clamp-type for IV stand
Sleeve Compatibility	Standard IV sets	Standard IV sets
Surface Material	Smooth, biocompatible & easy to disinfect	Smooth, biocompatible & easy to disinfect
Power Supply	230V AC, 50Hz	230V AC, 50Hz
Dimensions (Control Unit)	140 X 115 X 175 mm	155 X 115 X 175 mm
Weight	0.86 kg	1.2kg

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ISO 9001:2015 ISO 13485:2016 NABCB QMO16

REMI Healthcare

VDRL Shaker
VDS 300

VDS 300

VDS 300 is specially designed for smooth & uniform mixing of samples, Helps to standardize the process with utmost user convenience

Salient Features:

- Universal platform with adjustable roller to fix the sample in micro-plate, petri-dish, glass vessels or test tubes
- Brush less motor for maintenance free operations
- Adjustable rollers to fix samples of different sizes
- Rubber cushion help in stable sample holding

Applications :

- VDRL testing
- Microbiology
- Molecular biology
- Pathology
- Biotechnology

Technical Specifications	
Parameters	**VDS 300**
Dimension (W x D x H)	270 x 260 x 156 (mm)
Platform size	7" x 11"
Shaking orbit	10 mm
Countdown timer	0-999 minutes
Min speed	50 - 300 RPM
Power supply	220-240 v, 50Hz, Single phase

REMI Healthcare

The Complete Blood Banking Solution

High Capacity Storage Solutions

Walk-in Chamber
WBR

BR 500 Ultra

Stand-by dual refrigeration for backup

Ideally suited for storage of blood bags
in big hospitals, laboratories & blood banks

Specifications subject to change without notice

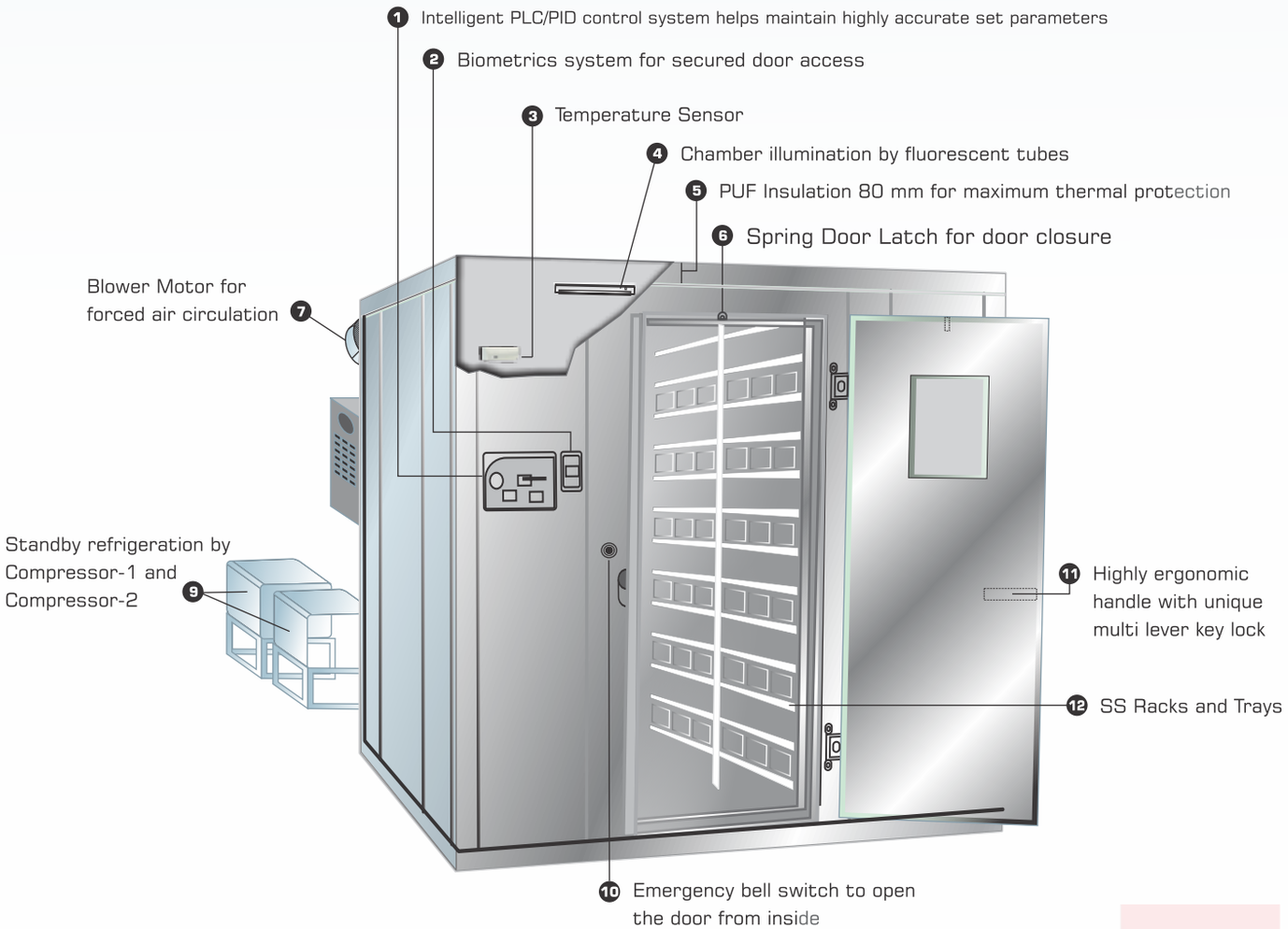
REMI Healthcare

Walk-in Chamber

REMI Walk in chambers are designed to meet the storage requirements of temperature sensitive biologicals & pharmaceuticals like whole blood, packed red cells, reagents & kits. Uniform temperature conditions are maintained with the help of internal forced air circulation. The standby refrigeration system (optional) provides uninterrupted functioning.

Walk in Chambers are made from pre-fabricated double walled modular panels which are easy to assemble at site. The customization of cabinet & storage shelves can be done as per the user's requirement.

Temperature Control & Monitoring: Microprocessor integrated system provides excellent temperature accuracy. 7 days circular chart recorder & audio visual alarm system helps to indicate storage conditions continuously.



Specifications subject to change without notice

REMI Healthcare

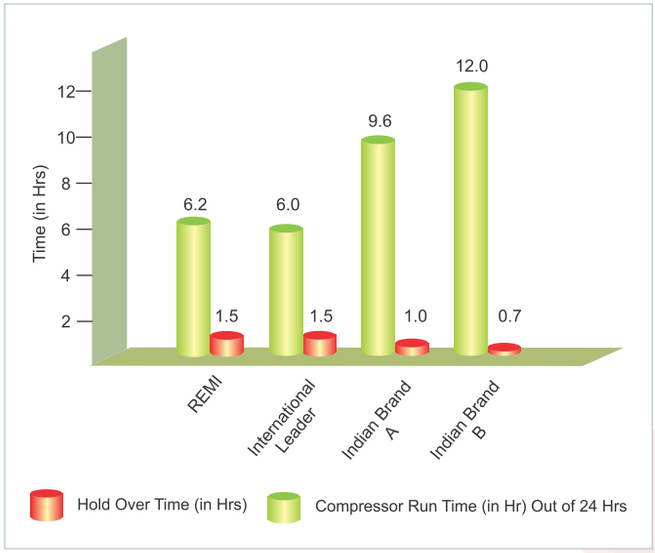
Blood Bank Refrigerator

BR 400 / 500 Ultra are high capacity refrigerators for bulk storage requirement of whole blood and packed red cells.

Flexi-Storage (optional)
Modular acrylic partitions to store blood bags upright

Salient Features of High Capacity Storage Unit

- Auto defrost mechanism to prevent frost formation
- Self-diagnosis & display of errors
- Safety Thermostat for avoiding negative temperature
- Settable points for
  - High / low temperature alarm point
  - Buzzer off time
- Audio/Visual alarms for
  - Temperature high / low
  - Power failure (only visual)
  - Sensor open / Short
  - Door Open
  - Compressor on (only visual)
  - Power on (only visual)
- Communication through RS 485



Compressor Functioning & Holdover Time
(Best in Class Insulation)

Specifications subject to change without notice

REMI Healthcare

High Capacity Storage Solutions

LCD Display

LCD Display

- 4 Inch attractive LCD display
- Intelligent Controller helps maintain temperature in case of sensor failure
- Self-Diagnosis for errors
- Histogram format of 24 hours temperature recording
- Memory for storage of upto 1000 records
- Centronic interface to record Temperature, Date, & Time by attaching Dot Matrix printer with adjustable print interval
- Alarm on equipment / output for remote alarm

Optional features :

- Standby Refrigeration
- Biometric Access
- Wireless data logging

Technical Specifications

Parameters	BR 400 Ultra	BR 500 Ultra	WBR 80 Ultra	WBR 100 Ultra
Internal volume (Liters)	700	860	8000	10000
Capacity of blood bags	Up to 525	Up to 630	Up to 1000	Up to 1500
Internal dimensions W x D x H (mm)	800 x 860 x 1030	800 x 860 x 1250	2000 x 2000 x 2000	2000 x 2000 x 2500
External dimensions W x D x H (mm)	960 x 1135 x 1840	960 x 1135 x 2160	2160 x 2950 x 2160	2160 x 2950 x 2660
Temperature range & accuracy	2° C to 6° C, Accuracy: ±1° C			
Internal body material	Stainless Steel 304 grade			
External body material	Powder coated CRCA steel			
Insulation	80 mm, CFC free polyurethane foam		80 mm minimum, CFC free polyurethane foam	
Display	4" LCD			
Illumination	Fluorescent tubes			
Control & display	Microprocessor based PLC control system			
Audio visual alarm	Temperature Hi / Low, Door Open, Power Failure			
Recorder	Seven days circular chart recorder			
Battery backup (Controller)	Rechargeable, maintenance free battery for display, alarm system & temperature recorder			
Recommended voltage stabilizer	VS 06		VS 10	
Electrical	220-240 volts, 50Hz, Single Phase			

Specifications subject to change without notice

REMI Healthcare

Benchtop Tube Sealer
WeldOn-B

WeldOn-B

Splash Gaurd

WeldOn-B is a robust benchtop sealer with consistent performance. Ideally suited for blood component separation labs

WeldOn-B helps to keep the blood bag system completely sterile. Ensures quality sealing with clear rupture line for easy tear-apart segments.

Safety features & monitoring system makes it an ideal choice of users.

Seal with clear break line for snap-apart separation

Salient Features

- Senses the blood bag tube for automatic sealing process
- Anti-spark and overheat protection system to avoid damage to system & tubing
- Continuous status updates on LCD :
  - Ready to seal,
  - Sealing in process
  - Sealing Completed
- Easy to remove sealing head cap for quick cleaning
- Seal with clear break line for snap-apart separation
- Splash guard for technician safety
- LED Indication for cover opening

Technical Specifications	
Parameters	**WeldOn-B**
Dimension (W x D x H) (mm)	220 x 200 x 120
Weight (Kg)	4
RF Frequency	40.68 MHZ
RF Output	100 watt
Seal Time	1.5 Sec (auto adjustable)
Sealing Type	Automatic

Input Voltage: 230V, 50 Hz

Specifications subject to change without notice

REMI Healthcare

Portable Tube Sealer
WeldOn-P

WeldOn-P

REMI portable sealer **WeldOn-P** is a battery operated tube sealer. **WeldOn-P** comes with portable sealing handle and long Coaxial Cable (1.9m) for extended reach especially for handling sealing requirements in blood donation room & outdoor camps.

High performance rechargeable battery ensures a capacity for 1000 seals with a single charge.

Seal with clear break line for snap-apart separation

Salient Features

- Ergonomic hand-held design to ensure easy sealing process.
- Quick sealing by single lever press process
- LED indicator for **Power, Battery** & **Sealing Process**.
- Anti-spark and overheat protection system to avoid damage to tubing.
- Consistent sealing process with clear break line for snap-apart separation.
- Battery backup for 1000 seals.
- Removable cover for easy cleaning & protection of the operator.
- No warm-up time required.
- Sealing process works on both mains & battery power.
- Audio-visual indication of:
  - Ready to Seal
  - Sealing in Process
  - Sealing Completed

Technical Specifications	
Parameters	**WeldOn-P**
Dimension (W x D x H) (mm)	124 x 222 x 123
Weight (Kg)	2.5kg (with Sealing Handle)
RF Frequency	40.68 MHZ
RF Output	90 watt
Seal Time	3 Sec (Adjustable)
Sealing Type	Manual

Input Voltage: 230V, 50 Hz

Specifications subject to change without notice

REMI Healthcare

Automated Plasma Expresser

XPRESS - A

XPRESS - A is a semi-automated plasma expressor for quick & easy component separation. The optical sensing of RBC's & automatic clamping reduces manual error & prevents RBC contamination.

Salient Features

- Automated fast acting clamp mechanism, no RBC contamination
- Spring loaded transparent compression plate for quick plasma expression
- Adjustable spring tension
- Ergonomic handle for easy operation
- LED power indication, buzzer alarm on clamping
- Suction holders for firm base grip
- Flexibility of manual operation

Control Panel

Technical Specifications		
Parameters	**Unit**	**Xpress A**
Dimensions (W x D x H)	mm	198 x 245 x 309
Max Tube Diameter	mm	6.5
Weight	kg	4
Operating Temperature	°C	0 to 40
Input Supply	230 V, 50 Hz	

Specifications subject to change without notice

REMI Healthcare

Manual Plasma Expressor

XPRESS - M

XPRESS - M is specially designed plasma expressor for separating out the blood components. The front panel is loaded with high tension spring for quick transfer of plasma into other bag.

XPRESS - M is ergonomically designed for long lasting trouble free operations

Salient Features

- User friendly with see through front panel to allow visibility of layer movement
- Spring loaded transparent compression plate for quick plasma expression
- Adjustable spring tension
- Ergonomic handle for easy operation
- Suction holders for firm base grip
- Metallic base covered with rounded ABS body
- Rust free, easily cleanable surface

Technical Specifications

Parameters	Unit	Xpress M
Dimensions (W x D x H)	mm	175 x 230 x 275
Weight	kg	3.5
Body Construct		Powder Coated CRCA Steel
Front Panel		Acrylic

Specifications subject to change without notice

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SCAN ME

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SCAN ME

REMI LABORATORY CATALOGUE

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