

BLOOD BANK CENTRIFUGE



Krew Instrument's Blood Bank Refrigerated Centrifuges use PLC technology to separate blood components like platelet plasma, RBC, and cryoprecipitate from whole blood. These centrifuges are ideal for use in a range of settings, including blood banks, hospital clinical research laboratories, pharmaceutical and biotechnology industries, vaccine manufacturing facilities, and research laboratories. The advanced PLC technology allows for accurate control of the centrifuge, ensuring efficient and effective separation of blood components with minimal

KEY FEATURES

- Maximum Speed 4600 rpm
- Maximum RCF 7060 x g
- Maximum capacity 12 Blood bags of 450 ml
- Programmable Logic Control (PLC)
- 7 Inch HMI with touch screen
- USB Port for Data Extraction
- Motorized double lock for better safety
- Adjustable levelling jack
- Castor wheels for ease of mobility
- Programmable acceleration and deceleration
- Pre cooling facility
- Frost free refrigeration system
- Data storage capacity up to 200000 readings

user intervention.

CABINET CONSTRUCTION

The centrifuges Chambers are insulated with high density CFC free Poly Urethane Foam Interior of chamber is stainless Steel (304 SS, 2 mm thick). The exterior is white powder coated (3.0 mm thick) mild steel. An electronic motorized double door lock and facility to open the door in case of power failure.

TEMPERATURE

Temperature in the range of -20°C to 40°C with 1°C working Temperature range of -5 °C to + 40° C.

REFRIGERATION SYSTEM

The cooling is effected by CFC free refrigeration system with a condensing unit located inside the chamber. Krew Instrument' condensing units are characterized by high- efficiency heat transfer and low power consumption.

- CFC free refrigeration with time delay to safe guard the compressor
- Inner grooved copper tubes and slit aluminium fins for superior heat transfer
- Filter drier for moisture and dirt protection
- Safety and control devices for better system protection
- Thermally protected and permanently lubricated fan moto

SAFETY FEATURES

- Main circuit breaker to protect electronic components in case of abnormal power supply
- Overload cut off relay for compressor
- 180 seconds time delay for compressor switch on
- Audio visual alarm for abnormal conditions
- Imbalance cut off with alarms and error messages
- Lid opening and closing with the help of pneumatic hinges
- Safety door interlock to prevent door opening during centrifugation

SALIENT FEATURES

- 99 Menu driven programs
- In built pre cooling programs
- Facility to Set RPM and RCF
- Maintenance free Brush less induction motor
- Variable frequency drive
- Motorized double door lock for better safety
- Minimum Acceleration time
- Imbalance cut off with error messages
- Self-diagnostic system with error messages
- Castor wheel for ease of mobility
- 10 acceleration and deceleration programs
- Adjustable Levelling jack

BLOOD BANK CENTRIFUGE TECHNICAL DATA

Model No	Cap. / ml	RPM	RCF xg
KBC - 4	4 Blood Bags of 450 ml (Triple Bag System)	4800	5650
KBC - 6	6 Blood Bags of 450 ml (Triple Bag System)	4800	5650
KBC - 8	8 Blood Bags of 450 ml (Triple Bag System)	4500	6000
KBC - 12	12 Blood Bags of 450 ml (Triple Bag System)	4500	6000



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