



**Elektro**  
GENESIS

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# ***REFRIGERATED CENTRIFUGE***



## REFRIGERATED CENTRIFUGE

Microprocessor Controlled OR PLC Based Blood Bank Centrifuge is designed for blood banks components separation room. The instruments is specialized in separating blood component like packed cells, platelet rich plasma, platelet concentrate, cryoprecipitate and buffy coat separation.

The instruments outer body is made of heavy gauge mild steel duly powder coated with stainless steel (304) inner chamber and prompt PUF insulation to ensure accurate cooling inside the chamber, and built in brushless induction drive motor ensures low level of vibration and noise with smooth acceleration/deceleration.

## FEATURES

- Program up to 99. Precise speed control and reproducibility.
- Imbalance detector with cut-off.
- Password Protected Parameter Setting for authorised access.
- Audiovisual Alarm for process complete, imbalance & process terminate.
- Brush-less induction motor with frequency drive.
- Prefix programme for different type of bag.
- Safety lid interlock to prevent cover opening during centrifugation.
- Multicolor TFT Graphic/HMI (Human Machine Interface) Display of Set & Process Value of RPM, Temp., Time. Acceleration & Deceleration with RCF indicator.
- 2 Pre cooling Program ie. 22°C & 4°C
- Integrated Soft Key LID opening system with Extra safety manual opening in case of power failure.
- Viewing window for RPM Calibration. Safety Gas hinges to prevent immediate LID drop.



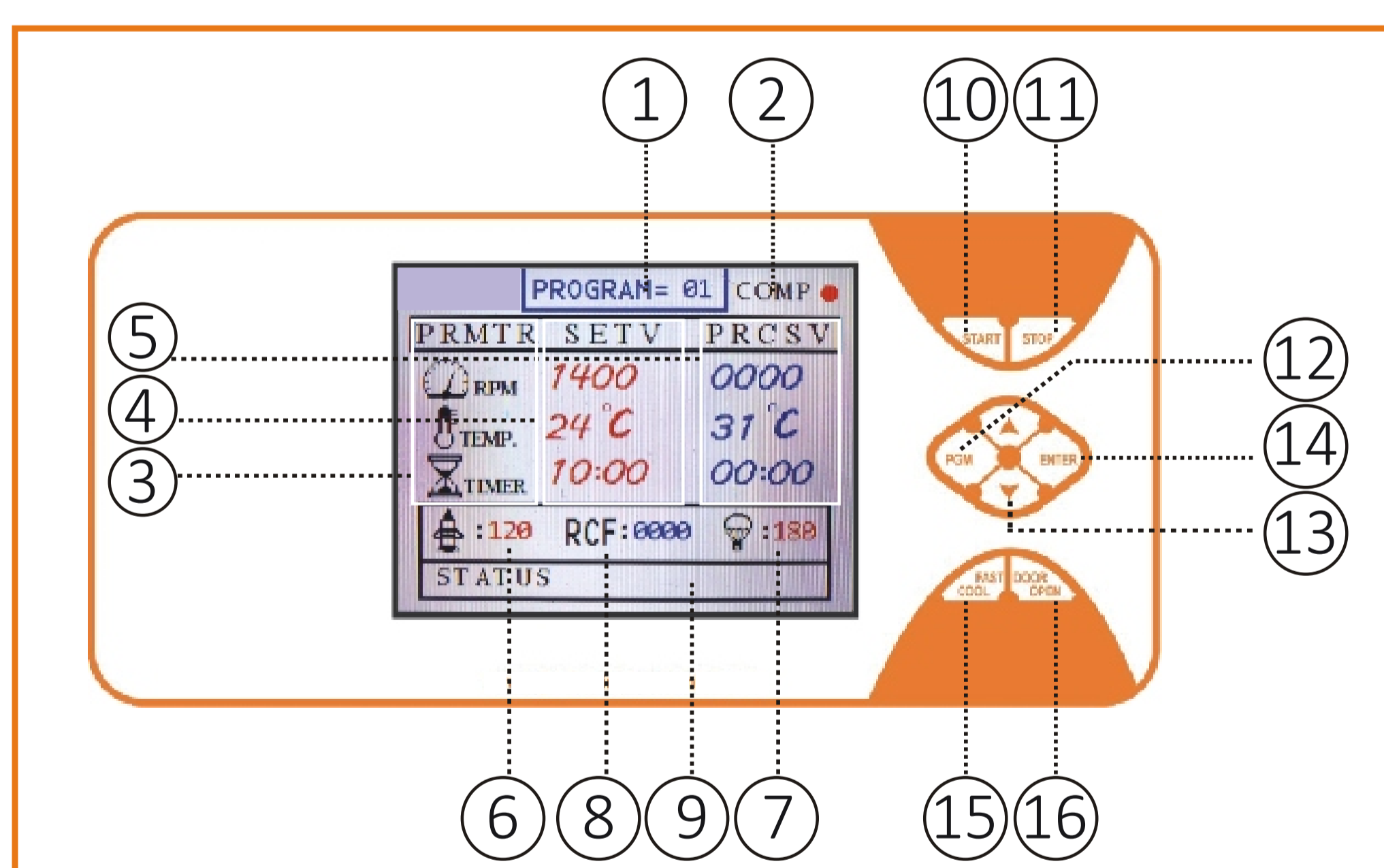
## ROTOR SPECIFICATION

Model No.	Rotor Detail	Max RPM	Max RCF	Bucket
EBRC-70 EBRC-70+	4 Place Aluminium swing out rotor head to hold 4 metalcarrier having capacity to hold 2 Bags with Plastic bucket & wind shield of 4 mm thick shield of 4 mm thick	4200	5600	1000 ml X 8
EBRC-90 EBRC-90+	6 Place Aluminium swing out rotor head to hold 6 metal carrier having capacity to hold 2 Bags with Plastic bucket wind shield of 4 mm thick	4200	5850	1000 ml X 12

## TECHNICAL SPECIFICATION

Model No.	EBRC-70/EBRC-70+	EBRC-90/EBRC-90+
Width x Depth x Height	84 x 93 x 93 cm	84 x 93 x 93 cm
Input Power Supply	220-240V AC, 50 Hz Single phase	220-240V AC, 50 Hz Single phase
Temp. Range	4°C to 22.0 °C	4°C to 22.0 °C
Weight	400 Kg Aprox	400 Kg Aprox
Recommended Voltage Stabilizer	7.5 KVA	7.5 KVA

## DISPLAY OF MICRO-CONTROLLER



1. Programme Status (1-99)
2. Cooling On/Off Status
3. Parameters
4. Set Value Status
5. Process Value Status
6. Acceleration Status
7. Deceleration Status
8. Rcf Value
9. Current Status (door Open / In Process / Process Complete / Process Terminated/Imbalance)
10. Start Key
11. Stop Key
12. Program Key
13. Increment/ Decrement Key
14. Enter Key
15. Fast Cool Key (4°C & 22°C)
16. Door Open Key

## OPTIONAL ACCESSORIES

- Data logging system of temp, time, RPM, ACC & DEC through RS 232/485 or USB Port to collect all data of the centrifugation process.
- Integrated Barcode system with software.