High Capacity Refrigerated Centrifuge

Refrigerated centrifuge model FCEN-45R in the category of Batch Type centrifuges has the highest capacity among the company's products. This machine can accommodate various buckets, it has a total separation capacity of 12 liters (as six two-liter buckets).
This centrifuge can rotate at a maximum speed of 4,500 rpm (6,000 g) and its chamber temperature can be adjusted from -10 to +30 degrees Celsius.
This equipment, which is equipped with a barcode reader system, is able to connect to the central control system of the machine and transfer the information of each batch along with other process parameters. Moreover, the equipment's control system is capable of storing and running 100 different programs for the rotation.
The product, equipped with the vibration, temperature and motor current protections alongside with using its automatic control system, can meet the needs of consumers in the pharmaceutical, food and chemical industries as a safe, efficient and optimal machine.



Refrigeration System Specifications

- Equipped with chamber and engine cooling system
- Refrigerant gas CFC free R404
- The temperature of the centrifuge chamber can be adjusted from -10 to +30 degrees Celsius.

Technical specifications

 Swing Rotor	Maximum Speed	4500 rpm
	Maximum Separation Force	6000 g
	Maximum Capacity	Blood bag bucket 12 * 500 or 750 gr  6 * 2 liter 
 Fixed Angle Rotor	Maximum Speed	6000 rpm
	Maximum Separation Force	9500 g
	Maximum Capacity	6 * 1 liter
Temperature Range		-10 / +30
Protection and Safety		Has electric door lock to protect temperature, vibrations, motor current and compressor parameters. Has a glass window on the door to calibrate the speed
General Requirements		Full compliance with GMP requirements and standard tests
L*W*H Dimensions		102*98*83 cm
Weight		400 kg

Control system specifications

- Has a CPU to automate and control the operation of the device
- Capable of being programmed by the user regarding parameters of time, speed, temperature, stop time (braking) and start time (acceleration time)l
- Can store 100 different useful applications for easy operation of the equipment
- Can be adjusted with up to 10 usernames and passwords for different users
- Protection and safety of the device maintained by measuring and displaying of temperature and vibrations, audible alert to the user if needed and finally the equipment shutdown