



# HOSPITAL & MEDICAL EQUIPMENT



## Blood Bank Refrigerated Centrifuge

Item Code: BB-11

Refrigerated Centrifuge machine specially designed for High class Blood Bank set up with colour display screen Temp. Range (Working Temp. : 40C & 220C  $\pm$  10C) Capacity 6 NOS Blood Bags X 450 gm Power 220v, 50 hz, 15 amp Compressor Copeland ISI Mark, CFC Free perational Instructions for Touch Screen Panel 1 Ensure The Power Supply to The Unit Is 230V +/- 10 % 2 Turn on the Key Switch on the front and wait for 15 Sec 3 The system will Boot up & Show the Starting Menu 4 Starting Menu will give you the four options to Select 5 Select the desired Cycle by simply touching it on the Screen Don't Press Hard OR with Nails as it will damage the Screen 6 Keep The Screen away from Heat & Dust 7 Don't Clean it with Solvents or Detergents. 8 Clean it with only moist cotton cloth in power off condition Colour Touch screen Refrigerated Centrifuge Specifications Maximum rotor speed RPM 4000 Maximum centrifugal force G 5000 Temperature range OC 20C to 260C- at 4000 RPM Radius of centrifuging arm cm/inch 22/8.6 Recommended Voltage Stabilizer KVA 3KVA Single Phase Supply 220/230 V AC, 50 Hz Width mm 780 (approx Depth mm 890 (approx) Height mm 915 (approx) Weight Kg 275 (approx) Installation Take out the Centrifuge along with the accessories and other enclosures from the packed cases and remove all packing. After removing the compressor security clamp, install it in a room, which should be dust free as far as possible. The distance between the air outlet side of the unit and the wall should be at least 20 cms. Ensure the stability and leveling of the centrifuge for vibration free performance. For leveling the unit, mount it on the 4 leveling jacks provided. Connect the Centrifuge 3-pin power plug to a suitable 3-pin 230 volt AC power socket having proper EARTH connection. Use of good quality 5 KVA servo voltage stabilizer is a must so as to give proper 230 volt AC input to the centrifuge. Also ensure that the electric mains cable supply has adequate supply rating of 30 amps. This microprocessor based cooling centrifuge controls the temperature of the chamber along with the RPM of the rotor head having individual rotor number for a particular time period in minutes. The numeric keypad with the other function keys aid in the smooth setting of the different parameters. Rotors & Accessories The swing out rotor is made from MS casting and is dynamically balanced and functionally tested at speed higher than the rated speed. Refrigerating system The refrigerating system consists of the evaporator, which is coiled to the centrifuging chamber made of stainless steel. The refrigerator is mounted elastically on the right side of the casing of the centrifuge, which is controlled by the microprocessor based control panel. The desired temperature along with the respective program number is set on the digital display through the numeric keypad. If the centrifuge is to be operated at the stated lowest temperature, pre-cooling for about 30 min. of the rotor with the cups is recommended. This pre-cooling is possible since the refrigerating system can be operated independently without the motor.

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