



PR No. 1000030488

Rfx No. 6100001304

## Technical Specifications for Rotary Evaporator System

### **A Rotary Evaporator**

1. Operating Voltage/Frequency : 220-240V,50Hz
2. Heating Power Consumption : 1300W
3. It should have Hand Lift
4. It should have digital display of rotation speed, bath temperature single Panel
5. It should have Rotation Speed between the range 10-280 rpm
6. Separate ON/OFF switches for heating bat hand rotation.
7. Two separate operating knob with LED ring lights for rotation and temperature.
8. Universal single heating bath for oil & water ambient to minimum 210°C and the accuracy of  $\pm 1^\circ\text{C}$
9. Bath should have over heat protection to cut-off at 5°C above set temperature
10. Bath volume should be more than 4Litres.
11. Material heating bath: SSAISI316L
12. Clamping sleeve for easy removal of vapor tube.
13. Ventilation and replenishment valve to be included
14. The system should accommodate 50ml to 5000ml with single joint size.
15. Condensing Surface should be minimum 1400Cm<sup>2</sup>
16. Instrument should be supplied with 1Lit Evaporating Flask & 1Lit Receiving Flask
17. Protection class of panel(Display) should be IP42
18. Protection Class for bath should be IP67 to protect from short-circuits and corrosion
19. Warranty:3 Years

### **B Vacuum Pump**



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1. Two stage chemical resistance diaphragm pump
2. Suction capacity should be minimum 2.0 m<sup>3</sup>/h or better
3. Ultimate vacuum should be 7 mbar or better
4. Warranty: 3 Years
5. CE certification
6. Weight: 12.8 kg
7. Dimensions (w/d/h): 195mm x 245mm x 310mm

**C Digital Vacuum Controller**

1. Touch screen Display 4.3" (HMI with built in PLC)
2. Display:4.3 Inch
3. Dimensions (w/d/h): 6 x 5.6 x 5 inches
4. Keller Sensor (Absolute pressure)
5. Upper measuring limit 1080 mbar
6. Accuracy of measurement <+- 1mbar
7. Integrated Vent Valve (Auto 'n' manual bypass mode)
8. Ambient Temperature range (operation) 10 – 40 deg C
9. Cable length of external power supply 1.5m
10. control Method – Switch ON/OFF Vacuum pump or Vacuum valve based on set vacuum
11. Solvent Library available
12. One year warranty