

Specifications for Rotary Evaporator

A complete set up of world class rotary evaporator including vacuum pump and chiller is required with following specifications:

General Specifications for Rotary evaporator, Vacuum Pump & Chiller:

- Vertical condenser for standard applications with minimum cooling surface area 1450 cm² or better
- Protection class IP20 or better
- Evaporating flask from 50-4000 ml can be used on the same joint adapter without additional connections
- All the glass components should be made of Borosilicate 3.3 glass or better.
- Evaporating Flask-1 lit; receiving Flask-1 lit
- Rotation Speed Setting : Manual
- Rotation Speed : 20 – 280 rpm or better with LCD Graphic display
- Heating bath: 4L, Easily detachable.
- Temperature display Digital allows adjusting set temperature and indicates actual temperature
- Heating bath Temperature: up to 100 °C with digital temperature display.
- Heat control accuracy [\pm K] 1
- High-temperature protection: Power cut off when actual temperature exceeds the set temperature or by rapid temperature increase.
- Overpressure prevention - Automatic aeration when pressure above 1400 mbar
- Vacuum regulation of set pressure - Adjust and keep pressure stable within hysteresis
- Lift System: Mechanical lift with end point safety stop
- Device should have variable adjustable immersion angles
- Voltage: 230 V

- **Vacuum Pump:**
- Chemically resistant PTFE two stage diaphragm vacuum pump
- Should achieve minimum vacuum of below 7 mbar or better.
- Suction capacity: 1.5 m³/h or better
- With vacuum controller and digital display.
- Approvals CE / CSA

- **Chiller:**
- Compact and Robust Re-circulating Chiller with a cooling capacity of 500 Watts at 15 °C
- Temperature Range: -10 to 25 °C or better with temperature display

Warranty: min 3 Years

NOTE: All the components i.e. Rotary evaporator, Vacuum Pump and Chiller must be from single manufacturer