

**SPECIFICATIONS OF HEAMODIALYSIS MACHINE**

- Acetate and Bicarbonate dialysis, can switch from Acetate to Bicarbonate during treatment.
- Inbuilt programmable, variable sodium and variable ultra filtration profiling.
- Auto start option and auto self testing completely software driven.
- Heparin pump flow rate from 0.1 ml to 10 ml per hour.
- The machine should have arterial bolus facility for doing heparin free dialysis.
- Automatic recalibration whenever machine is switched on.
- Blood pump rate from 50 to 500 ml / min adoptable to standard A.V. blood lines.
- Dialysis fluid 300 to 800 ml / min with variable profiling.
- Volumetric ultra filtration with UF accuracy of plus minus 1%.
- Disinfection – Citric / Chemical and thermal, automatic with both short and long disinfection programme.
- Day – night, weekly schedule of disinfection programme.
- Automatic diagnosis of malfunctioning with online ability to show the faults with trouble shooting so that the faults could be rectified quickly. (Technical serving mode)
- Hydraulic flow diagram display on the screen for easy maintenance.
- KUV monitoring possible for adequacy of Haemodialysis.
- Large colour 15" TFT touch screen display.
- Single needle dialysis possible.
- Should have Inbuilt Non Invasive Blood Pressure Monitoring system.
- Conductivity, blood leak, air leak, trans membrane pressure alarms and of disinfection alarm, bypass alarm and blood pump stop alarm.
- Inbuilt dialyser inlet pressure monitoring.
- Pressure monitor – arterial and venous.
- Voltage 220V, 50-60 Amp.
- Should be CE, USFDA & ISO certified.
- Warranty required for 12 months from the date of commissioning.
- On site demonstration of the same model is required in Delhi NCR or in Uttarakhand.

**PRE QUALIFYING REQUISITES**

- Vender should submit authorization from the equipment manufacturer. If vendor is not an authorized agent but original manufacture himself. He should submit a self-verified declaration on company's letter head stating that he is a manufacturer with his signature and seal.
- Vendor shall provide the name, address and contact details of the customers to whom offered item / similar items has been supplied in the past three years.
- Vendor should furnish satisfactory performance certificate from one customer where same model has been installed and has been working satisfactory for at least 12 months prior to the date of opening tender.
- Service centre should be in Delhi NCR / Uttarakhand.