

Haemodialysis Machine (SLED)

Technical specifications:

Capable of providing conventional hemodialysis, SLED, haemofiltration and online haemodiafiltration Facility for Acetate, Bicarbonate, dry powder & Sequential dialysis (Isolated UF)

Option for both Pre-dilution & post-dilution of blood.

HDF Substitution fluid be produced online with a delivery rate of wide range (20-550 ml/mt)

Capable of providing conventional hemodialysis and high flux dialysis.

LCD Display with touch pad.

Wide filtration range (0.1 to 3.8 kg/h)

Facility for Acetate, Bicarbonate, dry powder & Sequential dialysis.

filters for preparation of ultra-pure dialysate, with endotoxin retention capacity of at least 10^6 IU.

Built in NIBP

Audio visual alarms for Conductivity, Temperature and automatic bypass, Water and dialysate flow Arterial and venous pressure alarm.

Optical blood leak detector and ultrasonic air detector.

Wide range dialysate temperatures selectivity (34 to 39 deg. C)

Variable conductivity setting (13 to 16.2 mS/cm)

Wide dialysate flow rates options (300-700 ml/min with increments of 100 ml/mt)

Wide range blood pump flow option (50-500 ml/min with increment of 10 ml) adaptable to standard, AV bloodlines

Facility to show treatment parameter trends

Heparin pump with variable syringe size with wide infusion rate (in 0.1 ml/hr increments)

Integrated heat and chemical disinfection facility

Online measurement of effective urea clearance.

Automatic self test facility



Accessories:

COMPULSORY accessories, which are must for smooth and safe running of machine must be quoted along with machine including Data Processing computer and printer if required.

Environmental factors and power supply

Shall meet General Requirements of Safety for Electromagnetic Compatibility.

The machine shall be capable of being stored continuously in wide range of temperature (0-50 deg C) and relative humidity (15-90%)

Capable of operating in wide ambient temperature (20-30 deg C) and wide relative humidity

Power input : 220-240V/ 50 Hz AC Single phase or Three phase fitted with appropriate Indian plugs and sockets.

Suitable Servo controlled Stabilizer/CVT/UPS should be supplied, if required

Standard, safety, demonstration, training, warranty and maintenance

Electrical safety

FDA/European-CE/IVD certified

FIVE years Comprehensive Warranty (Including spares)



Pre-treatment:

Pre-treatment should have a Mesh Filter of 50 microns.

800 Liters capacity to store Raw Water.

Automatically controlled Solenoid Valve.

Sand Filter with sand particles of different grade with fully automatic backwash & rinse cycles.

Particle filter, cartridge filter type of 50 microns to 10 microns.

Built in dual column softener with fully automated digital display, brine fill and clean cycles. It should also have a brine tank incorporated in the system.

Carbon filter with fine carbon granules.

RO Unit:

Fully programmable, Microprocessor based fully automatic RO System (as per AAMI Standard)

Inbuilt ability to measure conductivity of permeate produced, temperature, yield, permeate output supply.

1500 Liter /hour of permeate.

Should have dynamic Water-Saving Technology and rinsing system available.

Yield setting is between 50% - 70%.

Operate on 3-phase supply.

Appropriate Online UPS required for RO Plant should be included in the total cost

Automatic volume controlled disinfection cycle.

In built capabilities to show on display for Permeate & for Raw Water (Consumption in Liters/min & Pressure)

Programmable fully automated rinse cycle.

Provision of OFF line mode and ONLINE mode of Permeate Supply.

Automated heat disinfection of the distribution loop.

Post Treatment System:

Appropriate material and shape Permeate Storage Tank(800ltr)

Sub-micron bacterial filter of 0.2 microns manually back washable.

Flow Indicator of Wall mounting type showing Litres / Min Supply and to build back pressure.

One additional booster pump should be supplied with the system.

316 grade Push-Pull type Stainless Steel Connectors.

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's

AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, troubleshooting.

Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/U SFDA norms

Instruments :We offer instruments / Renting Services Modules like pumps, detector etc. on Rent.



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Regulatory compliances



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2. Improving quality of life by offering YOGA Training courses, Workshops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFIFY human minds, souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Comps etc.



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