

CRRT

Four pumps, one each for Blood, Dialysate, Replacement fluid and Effluent/ filtrate.
Able to perform SCUF, CVVH, CVVHD, CVVDF, TPE
Clear touch screen/ button operated TFT/LCD Monitor/menu driven soft keys
Blood pump speed of approx 10-450 ml/min.
Close blood circuit to prevent air to blood interface.
Short preparation and priming program and ready to start treatment within 10-20 minutes.
Arterial pressure range: : 250 to 300 mm of Hg
Venous pressure range: : 0 to 350 mm of Hg
Pre Filter Pressure: : 50mmHg to -500 mmHg
Effluent Pressure: : 350 mmHg+/- 50 mmHg
Programmable Substitution solution flow rate : 0-5000 mL/Hr
Dialysate Flow rate : 0-2500 mL/Hr.
Programmable Effluent Flow Rate : 0-6000 mL/Hr
Integrated heparin pump with flow rate of 0.5 ml-5 mL/Hr. Bolus facility range 0.5mL-5mL.
Bolus frequency immediate 1-24 hrs.
Capable of changing therapies.
Four weighing scales to control system with balancing accuracy of less than 1 % of total turnover in normal conditions and weighing capacity of at least 0-12 kg.
Integrated Fluid/Blood warmer for blood/dialysate warming temp range app 33-40°C(± 3°C)
Ultrasonic air bubble detector and Blood leak Detector.
Alarm in case of blood leak, air in line, pressure limit violation, empty dialysate / replacement bag, full effluent bag and advisory alarms in case of excessive TMP and filter clotting.
Should have a 30 min Battery back up including Heater and pumps.

SYSTEM CONFIGURATION ACCESSORIES, SPARES AND CONSUMABLES

Should be supplied with 5 Nos. of essential accessories such as blood line set, haemofilters and ultra filtrate bags at no extra cost.
All media and consumables for setting up and standardization should be provided free of cost in addition to the items supplied in 4.3.

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ENVIRONMENTAL FACTORS

The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 15-90%
The unit shall be capable of operating continuously in ambient temperature of 10 -40 deg C and relative humidity of 15-90%

POWER SUPPLY

Power input to be 220-240VAC, 50Hz fitted with Indian plug
UPS of suitable rating with voltage regulation and spike protection for 60 minutes back up.

STANDARDS, SAFETY AND TRAINING

Should be FDA / CE approved product

Manufacturer/Supplier should have ISO certification for quality standards.

Shall comply with international electrical safety standards

Comprehensive training for lab staff and support services till familiarity with the system