



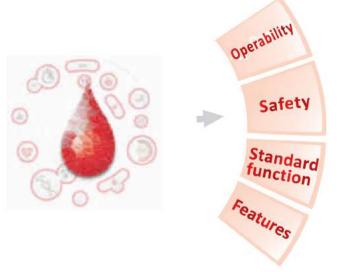
ith the accumulated techniques of China first hemodialysis machine manufacturer in China, top public listed medical company and only the one who make hemodialysis products, clinic application hospital network cover all domestic of China.

We are confident at:

Provide most stable hemodialysis machine in China
Output precise data for operation safety
Offer comfortable treatment for patients and easy
operation for users

Satisfy customer

Timely response to market needs



Standard function

- Individual UF pump discharge and drainage are precisely and continuously measured, make sure UF goal is reached properly.
- Conductivity monitoring for B solution and dialysate Abnormal conductivity and insufficient dialysate can be detected before and in treatment by continuous monitoring of conductivity.
- Heparin Bolus Maximum speed up to 7.5ml/min.
- One key START and one key STOP
 When press STOP key, machine automatically run into most safe condition, then press START, machine will start those pre-stopped settings so that save operator's time.
- Machine automatically shut down after disinfection, so that reduce nurse work load.
- Quick Self-check when machine power on Machine will self-check each part whether they are properly connected and parts are malfunction prior to treatment.

Features



- 12.1 inch large color LCD touch screen, thumb-size silicon gel button, and unique knob to tune blood pump flow rate, very easy for operation.
- Intelligent self diagnosis and alarm systemIn the courseof treatment, the machine has self diagnosis and self detection function. Alarm causeis literature and acousto-optic prompted, convenient to remind the clinical staff tocorrect and deal with alarm timely.



- Large capacity system log storage function: Including treatmentinfor-mation log, alarm information log, treatment status information log and clean status log.
- Multi-lingual and open system, compatible to different brand of dialysisconsumables and concentrate formulation for dialysate.

Thick and heavy concentrate A.B tray, pressure tolerant.

360 degree rotatable castors, front two castors lockable, convenient to move and lock.
Combined with concentrate A.B tray, can realize mobile treatment.



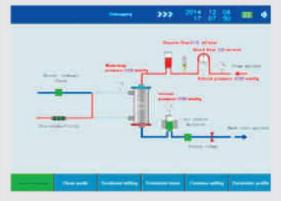
- Modular design makes maintenance more easily. Module includes RO water inlet, fluid A.B confection, balance chamber, blood pump and heparin pump
- 90 degree horizontal and 360 degree vertical rotatable heavy dialyzer holder.

Operator friendly interface

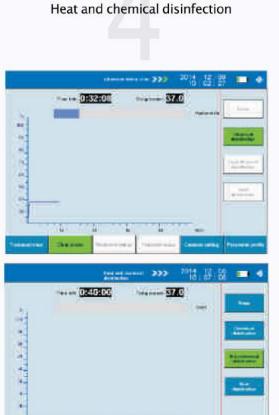


12.1 inch wide color touch LCD screenAll monitoring parameters gathered on same interface, moreeasily to check and adjust.

Blood way diagram is showed in treatment viewforbetter understanding running condition of each blood way components.







Operator friendly interface

In order to prevent Intradialytic complicationand reduce patient pain, UF profile and Na+ profile are widely used as most important tools for reference and control. Clinic staffcan adjust different time period's UF goal and Na+ volume in dialysis dose to make patient most conformable during dialysis treatment. System has 5 each build -in UF profile and Na+ profile, operator also can set and save his own profile.



Safety

- Control system of key electronic circuit and components adopts dual security control. If one failed to function, another one still fullfil the goal.
- Air bubble and blood level detection
- Air bubble and blood level detection
 Air bubble detector can continuously check and catch single air bubble size bigger than 200µL while blood flow rate is 200ml/min. If there is air bubble bigger than 200µL in blood flow, machine alarms to keep patient from risk of air embolism. If accumulated air is excessive than certain volume in venous drip chamber, then trigger blood level detector, machine alarms, and stops blood pump and UF pump.
- Blood leakage check Blood leakage detector continuously check blood hemoglobin in dialyzed waste dialysate. If there are over 1 ml blood in 1L accumulated waste dialysate when dialysate flow at 800ml/min, then machine alarms and stops blood pump to avoid patients further losing blood.

Safety



- Venous clamp protect patient safety from machine malfunction and electricity cutWhen machine functions abnormally or electricity is cut, venous clamp responses automatically into close condition and stop blood transfusion in order to guard patient from continuously losing blood in extracorporeal circuit.
- Blood detection After blood is driven from patient's body by blood pump, blood detection components detect and automatically make machine run into treatment mode. While after blood return back into patient's body, blood detection components check the tubing. If there is without blood in the tubing, then response and stop the blood pump.
- Supply-return fluid and concentrate A.B base with cover, avoid dirty entering into dialysate access.
- Fluid supply loop and return loop is completely separate disinfected to avoid cross infection and contamination, which make dialysis treatment more safe.
- Overhead 360 degree visual alarm light Easy to be found and seen with distance to shorten the time of solving problem.
- Temperature and conductivity sensor designed to automatically self-check before dialysis treatment.
- Temperature and conductivity probe adopts redundant design, independent collect and analysis data, which make more safe and output more precise data.
- Battery back up: Rechargeable battery keep machine running at least 30 min after electricity cut.24V10A





Technical information

General information

Blood way

Waterway

Alarm and monitoring

Blood leak detector

Cleaning and disinfection

Dimensions: $650 \times 550 \times 1320 \text{ mm (W x L x H)}$

Gross Weight: Appro. 70KG

Power Supply: AC220V±10%, AC110V (optional) 50HZ

Output power: ≤2200W

Water SupplyPressure range: 0.1-0.5 Mpa, Temperature range: 5-30 ℃

Back-up power supply: last for at least 30 min after electricity cut

Blood pump flow rate: 30~500 mL/min, Accuracy:±10 mL/min

Heparin pumprate: 1~10 mL/h, Accuracy:±0.2 mL/h **Bolus:** 2.5ml/min (syringe 10ml), 5ml/min (syringe 20ml),

7.5ml/min (syringe 30ml)

Injector size: 10ml/20ml/30ml/50ml(optional)

Venous pressure

Display range: $-50 \sim +300$ mmhg, Accuracy: ± 10 mmhg

Arterial pressure

Display range: -300~+400 mmhg, Accuracy:±10 mmhg

Transmembrane pressure

Display range: -100~+600 mmhg, Accuracy:±20 mmhg

Dialysate flow rate: 300~500 mL/min linearity adjustable,

Accuracy: $-5\%\sim10\%$ mL/min

Dialysate temperature: 33-40°C, Accuracy:±0.5°C

Conductivity range: 12-15.5 ms/cm, Accuracy: ±0.2 ms/cm

UF rate: $50\sim2000$ mL/h, Accuracy:±30 mL/h (±1%)

Air bubble detector

Infrared check and response threshold value: single air bubble of

200µL exists when blood flow rate is 200ml/min

Detecting blood leak ≥ 1 ml/L (dialysate flow: 800ml/min)

Blood level monitor: Ultrasonic sensor

Rinse/disinfection: Chemical disinfection(citric acid, peracetic acid)

Hot rinse: 85 °C

Acetate dialysis

Bicarbonate dialysis (fluid bicarbonate concentrate)

Treatment modes | ISO UF (sequential UF)

Hemoperfusion (HP)

Plasma Exchange (PE)

UF and Sodium profiles



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