

Hemodialysis Device

CCM28M



Main technical parameter

Be applicable of hemodialysis treatment, hemoperfusion, Plasma Exchange, Pure UF treatments; touch screen display, with Na⁺ and UF profiles, backup power supply, Kt/V, HCO₃- adjustment, single needle, acetate treatment.

Clinical Application

Hemodialysis therapy.

- Mainly suitable for all kinds of acute and chronic kidney failure patient.

Pure ultrafiltration therapy

- Mainly suitable for patients with excessive water stored in the body due to acute, chronic kidney failure or incomplete heart function.

Hemoperfusion therapy

- Mainly applies in the acute drug poisoning, especially those accompanied by the brain function barrier or stupor, liver and kidney function barrier, old patients, and those who takes medicine oversized which had achieved the toxic lethal dose density or exceed 30% of their own elimination ability.

Plasma exchange therapy

- Mainly suitable for the immunity diseases; acute nephritis, lupous nephritis, frequent myeloma nephrosis, serious myasthenia, acute liver function failure, thyroid gland crisis, ethnic hypercholesterolemia, HVS etc.

Feature

Bicarb Dry Powder cartridge.

- Producing bicarbonate dialysis solution on line to reach a pure and full-complete dialysis treatment.

Na⁺ and UF profiling

- Be applicable for reducing the cases during dialysis treatment such as low/high pressure, muscle convulsion, headache, nausea, vomit and the occurrence rate of high pressure after dialysis treatment etc.

Kt/V function

- The sufficiency of dialysis can be reflected by Kt/V.

HCO₃ adjustment

- Be applicable for sericous acid toxicosis patient.
- Be capable to calibrate the acid toxicosis status according to patient's state of illness.

Pyrogen filter port: (optional)

- Completely filtrating the remained bacteria and endotoxin.

Network connection: (optional)

- One computer can audit and control the treatment of maximum 20 units hemodialysis machine.

- Volume: (length x width x height)
370mm×340mm x 1420mm

- Weight: About 90kg

- Power supply voltage: AC220V±10%
AC110V(optional)

- Frequency: 50HZ ~ 60 HZ

- Power: 1500W

- Blood pump/spare pump
Flux: 15 ~ 340ml/min (Φ 6mm)
20 ~ 620 ml/min (Φ 8mm)

- Heparin pump
Flux: 0.1ml/h~10ml/h(±5%)
Precise: 0.1ml/h
Injector size: 10ml/20ml/30ml
20ml/30ml/50ml(optional)

- Arterial pressure
Display scope: -300mmHg~+300mmHg
(±10mmHg)

- Venous pressure
Display scope: -50mmHg~+300mmHg
(±10mmHg)

- Dialysate Flow
300ml/min~800ml/min linearity adjustable
(+10%) (-5%)
Temperature: 35.0℃~39.0℃
Resolving rate: 0.1℃

- Conductivity: 13mS/cm~15.5mS/cm
(±0.1 mS/cm)

- UF flow scope: 0~4000ml/h

- ISO UF flow scope: 0~2000ml/h(±30ml/h)

- TMP Scope: -100mmHg~+600mmHg
(±20mmHg)

- Blood leakage monitor:
over 1ml blood per liter dialysate(flow:500ml/min)

- Blood level monitor: ultrasonic sensor

- Air bubble monitor
Infrared and response threshold value: Single air bubble of 200μl exists when Blood flux is 200ml/min

- Inflow pressure: 0MPa~0.6MPa

- Inflow temperature: 5℃~30℃
- Environment temperature: 10℃~30℃
- Relative humidity ≤70%
- Rinse/disinfection: chemical disinfection
(citric acid, peracetic acid and sodium hypochlorite)
- Hot rinse: 90℃
- Back-up power supply: last for 15-30min after electric-cut.



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