

NCU-18

Reduce the labor burden with optimized treatment for patient & medical staff

Special Features

- Compact body size, 300mm width
- Automatic Priming/Reinfusion function with saline or online solution
- Flexible treatment mode, HD, HDF, HF and SLED
- First aid button to change machine setting quickly during the treatment



Specifications

General data	
Dimension	300(W)×490(D)×1470(H)
Weight	Approx. 100kg
Power Supply	AC230V±10%, 50/60Hz AC220V±10%, 50/60Hz AC110V±10%, 50/60Hz
Power consumption	Max. consumption : 220/230V model : Max. 2500VA 110V model : Max. 1650VA
Water Supply	Temperature : 15 to 30°C 5 to 30°C(with heat exchanger, Option) Pressure : 0.05 to 0.74 MPa Flow rate : 900mL/min or more
Extracorporeal circuit	
Arterial pressure monitoring or Dialyzer inlet pressure monitoring	Measurement range : -500 to 500 mmHg Accuracy : ±10mmHg
Venous pressure monitoring	Measurement range : -500 to 500 mmHg Accuracy : ±10mmHg
Arterial blood pump	Flow range : 0,10 to 600mL/min Accuracy : ±10%
ON-LINE HDF pump(option)	Flow range : 0,10 to 500mL/min Accuracy : ±10%
Air bubble detector	Ultrasonic sensor Two conditions create an air bubble alarm: any single bubble greater than 10 μL in size and when bubbles of 0.3 μL or larger, accumulate over a 1-minute period into a volume of 1, 10 to 900 μL.
Heparin pump	Delivery range : 0.0 to 20.0 mL/hr Bolus range : 0.1 to 9.9 mL Accuracy : ±10% Syringe size : 10,20,30mL
Hydraulic circuit	
Ultrafiltration	Volumetric control UF rate : 0.0,0.10 to 5.00L/hr Accuracy : ±30g/hr
Dialysate flow rate	Range : 100 to 800 mL/min
Dialysate temperature	Range : 34.0 to 39.0°C
Concentration range	Bicarbonate dialysis Water +B : 24 to 70 mmol/L Water +A+B : 125 to 165 mmol/L (Na ⁺ electrolyte concentration) Stability : 0.3mS/cm or less Acetate dialysis Water +A : 125 to 165 mmol/L (Na ⁺ electrolyte concentration) Stability : 0.3mS/cm or less

Blood leak detector	Optical
Rinse Program	Water rinse Chemical disinfection Chemical decalcification Hot rinse Hot citric disinfection IHR
Function	

Acetate and Bicarbonate dialysis
Isolated ultra filtration
Single needle with single blood pump
UF profile
Concentration profile
Clean Treatment Start (CTS)
Dose finder (Kt/V calculator)
10.4" color touch display
Machine type A : ON-LINE HDF+SPR
B : ON-LINE HDF
C : HD+SPR
D : HD

* Following functions are installed depending on the machine type.
ON-LINE HDF/HF, priming/bolus/reinfusion (Type A, B)
CF(ETRF) leak check (Type A, B)
SPR (Auto Priming/Reinfusion function)(Type A, C)
Drain port (Type A, B)
Drip chamber fluid level adjustment (Type A, C)

Option	
Blood pressure monitoring (BPM)	
LAN connector	
Central system with 2 solution ports	
BPM remote button	
Nurse call button	
CF1 (ETRF) connector	
CF1 (ETRF) leak check	
Heat exchanger(Standard for China model)	
Drain port	
Dialysate solution tank tray	
Disinfectant tank tray	
Drip chamber fluid level adjustment	
Potential equalization conductor	
* Bicarbonate powder cartridge holder	
* Patient card (cannot use with LAN connector)	

*: Factory installed option