

SWS MEDICAL
Science · Wellness · Safety ·

SWS-4000A

Hemodialysis Equipment



SWS-4000A Hemodialysis Equipment

Science Wellness Safety

Basic information

Dimensions(W*D*H)	473.5mm*700mm*1500mm
Net Weight	82kg

Heparin pump

Control range	0~10 ml/h
Accuracy	$\pm 0.2\text{ml/h}$ or $\pm 5\%$ of whichever is greater
Bolus volume range	0.1~5ml

Operating conditions

Voltage	~220-230V, 50Hz/60Hz Battery: supply backup power for blood pump and blood circuit monitoring system running that is not fewer than 40 minutes.
Water inlet temperature	5~30°C
Water inlet pressure	0.5bar~8.0bar
Communication interface	RJ45、RS232、USB

Ultrafiltration control

Balance chamber ultrafiltration control system, real-time monitoring of leakage	
UF rate	0 ~ 4000ml/h
Accuracy	$\pm 1\%$ or $\pm 30\text{ml/h}$ of whichever is greater

Blood & dialysate control

Blood flow	0, 30ml/min~600ml/min Accuracy: $\pm 10\text{ml/min}$ or $\pm 10\%$ of whichever is greater
Dialysate flow	300ml/min ~ 800ml/min Accuracy: -5% ~10%
Conductivity control	12.5 mS/cm~16.0mS/cm Accuracy: $\pm 0.1\text{mS/cm}$
Dialysate temperature	33°C~ 40°C Accuracy: $\pm 0.5^\circ\text{C}$

*Non-invasive blood pressure monitor(optional)

Display range	0mmHg~300mmHg
Monitoring range(Adult)	40mmHg ~ 245mmHg

Automatic disinfection

Daily disinfection mode can be preset, and all disinfection conditions can be recorded, safe and easy to operate

Decalcification	Citric acid
Heat disinfection	Hot water or Citric acid ($\geq 93^\circ\text{C}$)
Chemical disinfection	Sodium hypochlorite

Note: The above are parts of the parameter of SWS-4000A model, the specific parameters are subject to the operation manual.

Monitoring system

VP monitoring	-60~520 mmHg	Accuracy: $\pm 10\text{ mmHg}$
AP monitoring	-300~280 mmHg	Accuracy: $\pm 5\text{ mmHg}$
TMP monitoring	-60~520 mmHg	Accuracy: $\pm 10\text{ mmHg}$
Blood leakage detection	0.35ml/min blood at HCT of 32%	
Air detection: single bubble	> 0.02ml or continuous tiny bubbles size is more than 0.0003ml	
Blood recognition	Color recognition, light monitor	

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