

# ***ELK-T08B***

***HEMODIALYSIS ONE BLOOD PUMP MACHINE***



## ELK-T08B Hemodialysis One Blood Pump Machine

ELK-T08B ensures the safety and efficiency during dialysis, provided comfortable dialysis treatment, which can use to:

- Hemodialysis
- Sequential dialysis
- Isolated UF

**01. Endotoxin filter ensures purity of dialysate**

**02. Compatible with most HD consumables**

**03. 15 inches LCD touch screen Reliability**

**04. UF control system with closed volume balance chamber**

**05. Personalized Dialysis**



## ELK-T08B Hemodialysis One Blood Pump Machine

*Intelligent operation system; Easy operation with visual and audio alarms; Multi-purpose service/maintenance interface; Profiling: sodium concentration and UF curve;*

### **Main performance of this device:**

- Self-checking function;
- Carbonate dialysis;
- Double needle dialysis;
- Liquid level detector;
- Bubble detector;
- Blood leakage detector;
- Temperature and electric conductivity monitoring;
- Arterial pressure, venous pressure and transmembrane pressure monitoring;
- Rolling blood pump;
- Heparin pump;
- Dehydration amount controlled by capacity;
- Automatic disinfection cleaning program;
- Stand-by power of blood pump in case of power failure;
- Information display function of display screen.

## ELK-T08B Hemodialysis One Blood Pump Machine

### Technical Data

<b>General data:</b>	
Dimensions	1380 x 380 x 400 mm (H x W x D)
Weight approx.	88 KG
<b>Water supply:</b>	
Water inlet pressure	1.5-6.0 bar
Water inlet temperature	5°C ~ 32°C
Max. drain height	1m
<b>Concentrate supply</b>	
Supply pressure	0 to 2 m suction height
<b>Electrical data</b>	
Power supply	AC 220V±10%, 47-63HZ
Current consumption max.	max. 10 A
<b>Extracorporeal circuit</b>	
<b>Arterial pressure monitoring</b>	
Display range	-380 mmHg to +400 mmHg
Accuracy	±10 mmHg
Resolution	1 mmHg
<b>Venous pressure monitoring</b>	
Display range	-180 mmHg to +600 mmHg
Accuracy	±10 mmHg
Resolution	1 mmHg
<b>Transmembrane pressure monitoring</b>	
Display range	-180 mmHg to +600 mmHg
Accuracy	±20 mmHg
Resolution	1 mmHg
<b>Arterial blood pump</b>	
Blood flow range	30 to 600ml/min in 8 mm bloodline systems
Accuracy	±10%
<b>Air bubble pump</b>	
By ultrasound transmission, additional optical monitoring in venous clamp.	

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<b>Heparin pump:</b>	
Delivery range	0ml/h to 10ml/h
Bolus function	max. 20 mL per bolus
Syringe size.	10, 20, 30, 50ml
<b>Dialysis fluid circuit</b>	
<b>Dialysis fluid flow range</b>	
Selectable	100-800 mL/min
<b>Dialysis fluid temperature</b>	
Selectable	34.0°C to 40.0°C
<b>Dialysis fluid conductivity</b>	
Range	12 to 16 mS/cm (25°C)
Accuracy	±0.1 mS/cm
<b>Acid concentration dialysis fluid</b>	
Default mixing ratio	1+34 (others possible)
Range	125 to 150 mmol/L
<b>Bicarbonate concentration dialysis fluid</b>	
Default mixing ratio	1+27.6 (others possible)
Range	8 to +8 mmol/L bicarbonate
<b>Ultrafiltration</b>	
UF rate	0ml/h~4000ml/h
Accuracy	±1%
Allowed dialyzer UF factor	unlimited
Parameter displayed	UF goal, UF time, UF rate, UF volume
<b>Blood leak detector</b>	
Sensitivity	≤0.35 mL blood/min (HCT=32)
KT/V Calculation	
<b>Disinfection and cleaning programs</b>	
Rinse Temperature/flow	30 to 60°C / 300 to 800ml/min
Hot Rinse (recirculation) Temperature/flow	30 to 85°C / 300 to 800ml/min

## ELK-T08B Hemodialysis One Blood Pump Machine

Hot disinfection with chemical

Temperature/flow 30 to 85°C/ 300 to 800ml/min

Various program combination selectable

### Technical Data-Options

#### Blood pressure Monitor (BPM) (optional function)

Display range Systole: 40-280 mmHg  
Diastole: 40-280 mmHg  
Accuracy: 1 mmHg

#### Central Delivery system for acid conc.

Supply pressure 0 to 100 mbar; 1 m suction height with Central delivery system: 0-500 mbar

Endotoxin filter-- Dialysis fluid filter system (optional function)

Balancing accuracy  $\pm 0.1\%$  of dialysate flow

#### Bicarbonate dry

Concentrate Bi-cart (optional function)