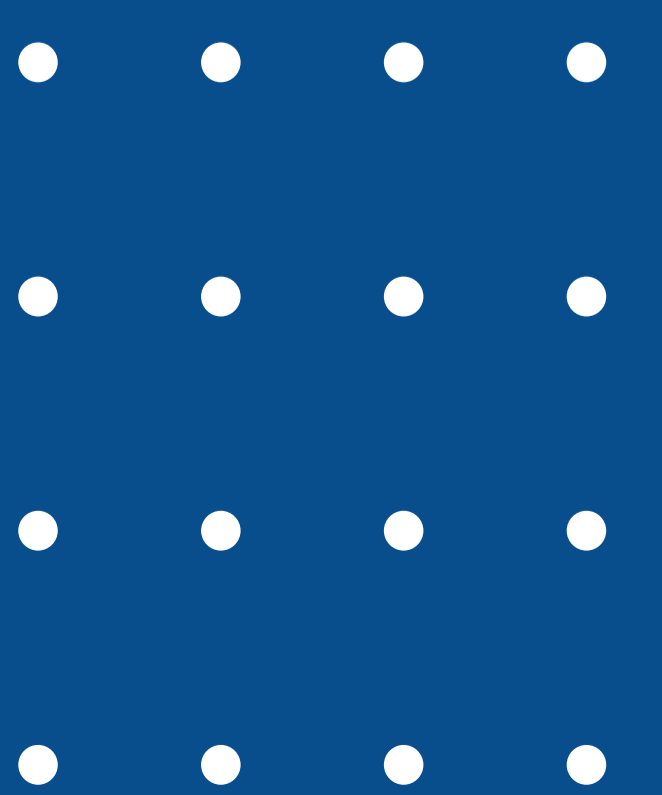


# ***ELK-WT60S***

***HEMODIALYSIS TWO BLOOD PUMP MACHINE***



## ELK-WT60S Hemodialysis Two 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:**

- On-line HDF
- 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-WT60S Hemodialysis Two Blood Pump Machine

### Technical Parameter

<b>Size &amp;Weight:</b>	
Size:	380mmx400x1380mm (L*W*H);
Net Weight approx.:	88KG;
Gross Weight approx.:	around 100KG;
Package Size approx.:	650×690×1581mm (L x W x H)
<b>Electrical data</b>	
Power supply:	AC220V, 50Hz/60Hz, 10A
Input power:	1500W
Back-up battery:	30 minutes
<b>Working Condition:</b>	
Water input pressure:	0.1Mpa~0.6Mpa, 15P.S.I~60P.S.I
Water input temperature:	5°C ~ 30°C
Working environment temperature:	10°C ~ 30°C at relative humidity ≤70%
<b>UF rate:</b>	
Flow range:	0ml/h~4000ml/h
Resolution ratio:	1ml
Precision:	±30ml/h
<b>Blood pump &amp; substitution pump:</b>	
Blood pump flow range:	10ml/min~600ml/min (diameter: 8mm or 6mm)
Substitution pump flow range:	10ml/min~300ml/min (diameter 8mm or 6mm)
Resolution ratio:	0.1ml
Precision:	±10ml or 10% of reading
<b>Heparin pump:</b>	
Syringe size:	20, 30, 50ml
Flow range:	0ml/h~10ml/h
Resolution ratio:	0.1ml
Precision:	±5%

## ELK-WT60S Hemodialysis Two Blood Pump Machine

### Monitoring system & Alarm setup:

venous pressure:	-180mmHg ~ +600mmHg, $\pm 10$ mmHg
Arterial pressure:	-380mmHg ~ +400mmHg, $\pm 10$ mmHg
TMP:	-180mmHg ~ +600mmHg, $\pm 20$ mmHg
Dialysate temperature:	preset range 34.0°C ~ 39.0°C
Dialysate flow:	Less than 800 ml/min (Adjustable)
Substitution flow range:	0-28 L/H (on line HDF)
Blood leak detection:	Photo chromic alarm when erythrocyte specific volume is $0.32 \pm 0.02$ or blood leak volume is equal or more than 1ml per liter of dialysate.
Bubble detection:	Ultrasonic, Alarm when a single air bubble volume is more than 200 $\mu$ l at 200ml/min blood flow
Conductivity:	Acoustic-optic

### Disinfection/Sanitize:

1. Hot disinfection:	Time: 30 minutes; Temperature: about 80°C, at flow rate 500ml/min;
2. Chemical disinfection:	Time: 30minutes, Temperature: about 36°C~50°C, at flow rate 500ml/min;
3. Chemical disinfection with heat:	Time: 45minutes, Temperature: about 36°C~80°C, at flow rate 50ml/min;
4. Rinse:	Time: 10minutes, Temperature: about 37°C, at flow rate 800ml/min;

### Storage Environment:

Storage temperature should be between 5°C~40°C, at relative humidity  $\leq 80\%$

### Function:

HDF, on-line BPM, Bi-cart and 2 pcs endotoxin filters

### Optional function:

Online KT/V, LAN