

SURDIAL™ DX

EXPERIENCE THE DIFFERENCE

Clinician – Inspired. Patient – Focused.

Special Features:

- Patient Safety
- Clinical Differentiation
- Optimized Workflow
- Cost Efficiency
- Patient Experience

Specifications

| General data | |
|------------------------------|--|
| Dimension | 480(W)×895(D)×1625(H) |
| Weight | Approx. 130kg |
| Power supply | AC117V±10%, 60Hz |
| Power consumption | Max. 1,850VA |
| Water supply | Temperature : 5 to 30°C Pressure : 0.05 to 0.74 MPa Flow rate : 900mL/min or more |
| Extracorporeal circuit | |
| Arterial 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 : Set value±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, 50 or 300 µL. |
| Heparin pump | Delivery range : 0.0 to 10.0 mL/hr Bolus range : 0.5 to 10.0 mL Accuracy : ±10% Syringe size : 10,20,30mL |

| Hydraulic circuit | |
|---|---|
| Ultrafiltration | Volumetric control UF rate : 0, 100 to 4000 ml/h Accuracy : F= Fbal + FUF Fbal ± 0.15 mL/chamber cycle FUF Ultrafiltration pump tolerance <1 % |
| 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 : ±0.2 mS/cm |
| Blood leak detector | Optical |
| Cleaning Program | Rinse Disinfection (chemical) Decalcification (acid) Hot water rinse Heat disinfection (citric acid) IHR |
| Function | |
| Isolated ultra filtration | |
| UF profile | |
| Concentration profile | |
| Bicarbonate powder cartridge holder | |
| Drain port for priming | |
| Leak detector (1x extracorporeal, 1x hydraulic) | |
| On-Line Kt/V measurement | |
| Blood pressure monitoring (BPM) | |
| Central system with 2 solution ports | |
| Network | |
| Automatic blood pump segment insert / removal | |
| Ultrafilter leak check | |
| Start-up test | |
| Self-diagnosis function | |
| Power failure backup | |
| Treatment data save function | |

