

MULTIUSE SYSTEM FOR EXTRACORPOREAL ORGAN SUPPORT



INTENSA®

SUPPORTS THE FOLLOWING TREATMENT MODALITIES:

CRRT:

- CVVH (pre- and post-dilution)
- CVVHD
- CVVHDF (pre- or post-dilution)
- SCUF

CRRT-EAD:

- Continuous Renal Replacement Therapy - Enhanced Adsorption Dialysis, with automatic change of filter with Sequential Adsorption Clamp (SAC®)

SETS (Sequential Extracorporeal Therapy in Sepsis):

Automatized sequential therapy with HP + CRRT

Hemoperfusion:

LF-ECCO2R:

Low-flow extracorporeal CO₂ removal (LF-ECCO₂R) with real-time monitoring of CO₂ removal and heating of blood and medical air: ProLUNG® *

Anticoagulation modalities:

Heparin
Citrate



Sequential Adsorption Clamp (SAC)

Sensor Hematocrit Saturation Temperature Hemoglobin

Touch-screen with integrated video-manual

Multi-device holder

Medical air inlet: VCO₂, outlet monitoring

* ProLUNG® is the reference system for Low Flow Extracorporeal CO₂ Removal (LF-ECCO₂R), providing high CO₂ removal (VCO₂ > 100 ml/min), very low invasiveness, and real-time monitoring of CO₂ removal by use of the ProLUNG® Meter.

MEDICA
SEAMLESS INNOVATION FOR LIFE QUALITY

Power Supply model M90255 (230V)	Voltage and frequency: 230 VAC, 50Hz Power: 460 W
Power Supply model M90400 (115V)	Voltage and frequency: 110 VAC, 60Hz Power: 460 W
Weight and Dimension	Max Height: 170 cm Max Width: 55 cm Max Depth: 70 cm Weight: 70 kg
Lifetime	10 years
Battery	Backup period:> 15 minutes with 100% charge
Input/Output Ports	Ethernet USB
Buzzer	Adjustable Audible alarm sound level: 72 dB at 100 cm
Trolley	Integrated with the body, equipped with 4 swivel wheels with brakes according to EN60601-1 2014, section 9.4.2
Environment Condition	Installation and environment use: Temperatures from +15 °C to +35 °C Relative Humidity from 35% to 75% without condensation Atmospheric Pressure from 70 to 106 kPa
Blood Pump	Flow: programmable from 5ml / min to 600ml / min Tolerance: 10% for the variability of the pump segment within the operating ranges
Infusion Pump	Flow: programmable from 10 ml / h to 12000 ml / h Tolerance: 10% for the variability of the pump segment within the operating ranges
Dialysis Pump	Flow: programmable from 10 ml / h to 12000 ml / h Tolerance: 10% for the variability of the pump segment within the operating ranges
Effluent Pump	Flow: from 10 ml / h to 12000 ml / h Tolerance: 10% for the variability of the pump segment within the operating ranges
Citrate Pump	Flow: programmable from 0 to 600 ml/h Tolerance: 10% for the variability of the pump segment within the operating ranges
Calcium Pump	Flow: programmable from 0 to 600 ml/h Tolerance: 10% for the variability of the pump segment within the operating ranges
Syringe Pump	Flow: programmable in bolus or continuous mode Bolus mode: Bolus volume from 0.1 to 2 ml - Period from 5 to 60 min Continuous mode: flow from 0 to 20 ml / h Applicable syringes: 20, 30 and 50ml
Infusion Scale	Full scale: 18 kg Accuracy: 30 g
Effluent Scale	Full scale: 18 kg Accuracy: 30 g
Citrate Scale	Full scale: 2 kg Accuracy: 2 g
Venous Pressure Sensor	Range: -150 to 600 mmHg Resolution: 5 mmHg
Pre-Filter Pressure Sensor	Range: -100 to 600 mmHg Resolution: 5 mmHg Dome closing sensor
Effluent Pressure Sensor	Range: -600 a 600 mmHg Resolution: 5 mmHg Dome closing sensor
Arterial Pressure Sensor	Range: -300 a 150 mmHg Resolution: 5 mmHg Dome closing sensor
Dripper	Maximum dripping frequency: 1 drop / sec Drop volume: 50 µl
Level regulator	Suction pressure: -350 mmHg Discharge pressure: 350mmHg
Air Sensor	Ultrasound with alarm for bubbles greater than 100 ml at the maximum flow rate of the blood pump. Sensitivity: 0.1ml (at 100ml / min flow)
Heater	Temperature: programmable from 33 to 39 °C
ProLUNG Meter	Integrated ProLUNG Meter for adjusting the air flow and measuring the CO2 removed. Air flow range: [4, 15] l / min Temperature range: OFF, [35, 37] °C Inlet air pressure: [4, 7] bar Measurement accuracy: CO2: 70ppm Temperatures: 1 °C
Venous forceps	Occlusion pressure:> 98 kPa
Blood Leakage Detector	Sensitivity:> 0.15% (concentration of blood cells, i.e. 6 ml of blood with 25% hematocrit in 1000 ml of saline)
Hematocrit sensor	Blood hematocrit measurement: Range: 20 - 55% Sensitivity: 1% Accuracy: ± 1%
SAC Clamp	Maximum occlusion pressure: <350 mmHg
Weight loss control system	The overall accuracy of the weight loss is calculated as the maximum value between 30g and 0.3% of the total treatment fluids exchanged plus 10g for each bag change. Maximum weight loss flow: 1500ml / h Maximum variation from the objective: 200g / 24h