THYMUS

Hollow Fiber Oxygenator for Infant and Pediatric

New Ideas for Advance Perfusion

Special Features

- Less priming volume
- Less blood damage
- Innovative design of heat exchanger
- Sterilization : ETO

Venous Reservoir with Heat Exchanger

Maximum volume	3600 mL
Minimum level	100 mL
Venous inlet	9.53 mm (3.8")
Cardiotomy reservoir inlet	9.53 mm (3.8")
Suction inlet	2 pcs for 6.35 mm (1 / 4"), 2 pcs for 6.35 mm (1 / 4") / 9.53 mm (3 / 8")
Recirculation inlet	6.35 mm (1 / 4")
Quick priming inlet	6.35 mm (1 / 4")
Venous reservoir outlet	9.53 mm (3 / 8") / 6.35 mm (1 / 4")
Venous sample port	Luer Lock
Temperature probe port	Thermistor Yellow Spring type 6.35 mm (1 / 4")
Drug inlets	Luer lock type: 1 without filter and 3 with filter
Filtering element	105 μm
Cardiotomy filter	20 μm, 30 μm, 40 μm
Maximum flow in cardiotomy filter	3L /min, 6L / min, 6L / min
Maximum water pressure in Heat Exchanger	138 Kpa (20 psi)
Heat Exchange effective area	0.120 m^2
Water inlet/outlet	Hansen type
Heat exchanger performance factor*	0.78
Negative/positive pressure relief valve for sealed reservoir	(-200 / +65mmHg) ± 5

*4 L / min of blood flow and 10 L / min of water flow

Oxygenator Chamber

Priming	120 mL
Blood flow	0.5 to 4.0 L / min
Effective area	1.1 m^2
Venous inlet	9.53 mm (3 / 8") / 6.35 mm (1 / 4")
Arterial outlet	9.53 mm (3 / 8") / 6.35 mm (1 / 4")
Recirculation outlet	6.35 mm(1 / 4") / 4.76 mm (3 / 16")
Gas inlet / outlet	6.35 mm(1 / 4")
Arterial sample port	Luer lock type
Temperature probe port	Thermistor Yellow Spring type

Materials

Reservoir body	Polycarbonate
Filtering element	Polyester
Frame of filtering element	Polypropylene
Buble burst filter	Polyester
Anti foam sponge	Polyurethane
Heat exchanger	Anodized aluminium
Oxygenator Chamber	Polycarbonate
Hollow fiber membrane	Polypropylene