

MEMBRANE OXYGENATOR



Description: The Membrane Oxygenator is composed of an oxygenation chamber with a microporous membrane, with an integrated Heat exchanger, made of impermeable capillaries. The product is fully manufactured with proper polymeric material for medical-pharmaceutical applications and sterilizable in Ethylene Oxide (ETO).

Indication: The Membrane Oxygenator is indicated to add oxygen, remove carbon dioxide and warm/cool the blood during extracorporeal circulation in procedures (CEC) that last up to 6 hours.



Membrane Oxygenator	MODEL				
	Adult	Pediatric	Child	Child 1500	Neonatal 800
Material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Max Blood Flow	7,0 l/min	3,0 l/min	2,0 l/min	1,5 l/min	0,8 l/min
Total Priming Volume	390 ml	280 ml	190 ml	65 ml	43 ml
Gas Exchanger					
Fiber Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Effective Membrane Area	2,2 m ²	1,6 m ²	0,7 m ²	0,5 m ²	0,37 m ²
Temperature Sensor	YSI	YSI	YSI	YSI	YSI
Blood Outflow Connector	3/8"	3/8"	1/4"	3/16"	3/16"
Gas Inflow Connector	1/4"	1/4"	1/4"	1/4"	1/4"
Recirculation Connector	1/4"	1/4"	1/4"	luer lock	luer lock
Arterial Sample Connector	luer lock	luer lock	luer lock	luer lock	luer lock
Air Inflow Connector	luer lock	luer lock	luer lock	luer lock	luer lock
Heat Exchanger					
Fiber Material	Polyester	Polyester	Polyester	Polyester	Polyester
Effective Membrane Area	0,68 m ²	0,35 m ²	0,10 m ²	0,10 m ²	0,05 m ²
Max Water Temperature	42° C	42° C	42° C	42° C	42° C
Max Water Pressure	40 PSI	40 PSI	40 PSI	40 PSI	40 PSI
Blood Inflow Connector	3/8"	3/8"	1/4"	3/16"	3/16"
Water Inflow / Outflow Connector	Hansen (1/2")	Hansen (1/2")	Hansen (1/2")	Hansen (1/2")	Hansen (1/2")