



CAPIOX[®] RX Oxygenators

High-performance hollow fiber oxygenators designed to meet pediatric patient needs

SPECIFICATIONS

Oxygenator	RX05 Baby RX	RX15
Housing material	Polycarbonate	Polycarbonate
Fiber material	Microporous polypropylene	Microporous polypropylene
Fiber bundle surface area	Approx. 0.5 m ²	Approx. 1.5 m ²
Heat exchanger material	Stainless steel	Stainless steel
Heat exchanger surface area	Approx. 0.035 m ²	Approx. 0.14 m ²
Blood flow range	Min. 0.1 L/min Max. 1.5 L/min	0.5 – 5.0 L/min 0.5 – 4.0 L/min when using R30 hardshell reservoir
Reference blood flow (AAMI std.)	2.5 L/min	7 L/min
Prime volume (static)	43 mL	135 mL
Blood inlet port (from pump)	1/4" (6.4 mm)	3/8" (9.5 mm)
Blood outlet port	1/4" (6.4 mm)	3/8" (9.5 mm)
Cardioplegia port		1/4" (6.4 mm)
Luer port (for recirc. or blood cardioplegia)	One luer lock on blood outlet port	n.a.
Gas inlet port	1/4" (6.4 mm)	1/4" (6.4 mm)
Gas outlet port	5/16" (7.9 mm)	1/4" (6.4 mm)
Water ports	1/2" (12.7 mm) Hansen quick-connect fittings	1/2" (12.7 mm) Hansen quick-connect fittings
Maximum pressure		
Blood inlet	1000 mmHg (133 kPa)	1000 mmHg (133 kPa)
Water inlet	2 kg/cm ² (196 kPa)	2 kg/cm ² (196 kPa)

Hardshell reservoir	R40 (for RX15)	R30 (for RX15)	
Housing material	Polycarbonate	Polycarbonate	
Blood flow range			
Venous flow	Min. 0.1 L/min, Max. 1.5 L/min	Min. 0.5 L/min, Max. 7.0 L/min	Min. 0.5 L/min, Max. 4.0 L/min
Cardiotomy inlet		Max. 5.0 L/min	Max. 4.0 L/min
Combined flow		Max. 5.0 L/min	Max. 4.0 L/min
Blood storage capacity	1000 mL	4000 mL	3000 mL
Minimum operating volume	15 mL	200 mL	70 mL
Venous filter material	Polyester screen Pore size 47 microns	Polyester screen Pore size 47 microns	Polyester screen Pore size 47 microns
Cardiotomy filter material	Polyester depth	Polyester depth	Polyester depth
Defoamer material	Polyurethane foam	Polyurethane foam	Polyurethane foam
Venous blood inlet port	1/4" (6.4 mm) rotatable	1/2" (12.7 mm) rotatable	3/8" (9.5 mm) rotatable
Blood outlet port (to pump)	1/4" (6.4 mm)	3/8" (9.5 mm)	3/8" (9.5 mm)
Suction ports	Five 3/16" – 1/4" (4.8 mm – 6.4 mm) rotatable	Six 1/4" (6.4 mm)	Six 1/4" (6.4 mm)
Vertical port (to CR filter)		3/8" (9.5 mm)	3/8" (9.5 mm)
Quick prime port	1/4" (6.4 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)
Vent port	1/4" (6.4 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)
Auxiliary port	1/4" – 3/8" (6.4 mm – 9.5 mm)	1/4" – 3/8" (6.4 mm – 9.5 mm)	1/4" – 3/8" (6.4 mm – 9.5 mm)
Luer ports	· three filtered luer locks to cardiotomy filter · one non-filtered luer lock · two luer locks on venous inlet	· three filtered luer locks to cardiotomy filter · one non-filtered luer lock · two luer locks on venous inlet	· three filtered luer locks to cardiotomy filter · one non-filtered luer lock · two luer locks on venous inlet
Maximum sustainable negative pressure in reservoir	-150 mmHg (-20.0 kPa)	-150 mmHg (-20.0 kPa)	-150 mmHg (-20.0 kPa)



CAPIOX® RX05
Baby RX Oxygenators



CAPIOX® RX15
Oxygenators

▶ Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
RX05 Baby RX Hollow Fiber Oxygenators		
Ⓢ 0.5 m ² surface area, 0.1 – 1.5 L/min flow rate, with 1 L hardshell reservoir, water inlet on left ¹	CX*RX05RW	4
Ⓢ 0.5 m ² surface area, 0.1 – 1.5 L/min flow rate, with 1 L hardshell reservoir, water inlet on right ¹	CX*RX05RE	4
Ⓢ 0.5 m ² surface area, 0.1 – 1.5 L/min flow rate, water inlet on left ¹	CX*RX05W	4
Ⓢ 0.5 m ² surface area, 0.1 – 1.5 L/min flow rate, water inlet on right ¹	CX*RX05E	4
RX15 Hollow Fiber Oxygenators		
Ⓢ 1.5 m ² surface area, 0.5 – 4.0 L/min flow rate (with 3 L hardshell reservoir), water inlet on right ¹	CX*RX15RE30	4
Ⓢ 1.5 m ² surface area, 0.5 – 4.0 L/min flow rate (with 3 L hardshell reservoir), water inlet on left ¹	CX*RX15RW30	4
Ⓢ 1.5 m ² surface area, 0.5 – 5.0 L/min flow rate (with 4 L hardshell reservoir), water inlet on right ¹	CX*RX15RE40	4
Ⓢ 1.5 m ² surface area, 0.5 – 5.0 L/min flow rate (with 4 L hardshell reservoir), water inlet on left ¹	CX*RX15RW40	4
Ⓢ 1.5 m ² surface area, 0.5 – 5.0 L/min flow rate, water inlet on right ¹	CX*RX15E	4
Ⓢ 1.5 m ² surface area, 0.5 – 5.0 L/min flow rate, water inlet on left ¹	CX*RX15W	4

¹ When blood outlet is facing away from user



Blood outlet port selection
Choose the port configuration that best suits your circuit.

✓ Features

CAPIOX® RX Oxygenators

- Terumo's exclusive hollow fiber
- High flow with very low priming volume
- Superior O₂ transfer performance
- Outstandingly low pressure drop
- With X Coating™

Xcoating™ is Terumo's own biocompatible hydrophilic polymer surface coating

Ⓢ standard item – delivery from stock



▶ Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
Holders for RX05 Baby RX Hollow Fiber Oxygenators		
Holder for RX05 oxygenator with hardshell reservoir	XX*CXH05R	1
Holder for RX05 oxygenator without hardshell reservoir	XX*CXH05	1
Adapter holder for RX05 oxygenator with hardshell reservoir	XX*CXH05AD	1
Holders for RX15 Hollow Fiber Oxygenators		
Holder for RX15 oxygenator with hardshell reservoir, long angled arm	XX*CXH18R	1
Holder for RX15 oxygenator detached from the hardshell reservoir (needed if RX oxygenator with hardshell reservoir is used but the oxygenator is mounted separately from the reservoir)	XX*CXH18	1
Holder for RX15 oxygenator with hardshell reservoir (short non-angled arm)	XX*XH032	1
Holder for RX15 oxygenator without hardshell reservoir	XX*CXH15	1
Modular holder system for RX15 oxygenator with hardshell reservoir (short arm).....	801139	1
Modular holder system for RX15 oxygenator with hardshell reservoir	801804	1
Extension arm for modular holder system for RX15 oxygenator with hardshell reservoir	801327	1





▶ Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
ACCESSORIES FOR OXYGENATION SYSTEMS		
Temperature monitoring systems		
— Luer design thermistor for CAPIOX® Oxygenators	CX*TL	10
Ⓢ Red lead wire for CAPIOX® Oxygenators	CX*BP022	10
— Blue lead wire for CAPIOX® Oxygenators	CX*BP021	10
Vacuum-assisted venous drainage kit		
Tubing kit includes moisture trap and positive and negative pressure relief valves	CX-FAC01	30
Sampling manifold		
Holder for sampling manifold	XX*XH051	1
Water fittings		
Hansen fitting for 1/2" water line, straight, two required	131086	1
Hansen fitting for 1/2" water line, right angle, two required	131078	1