



# CAPIOX® RX Oxygenators

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

## SPECIFICATIONS

Oxygenator	RX05 Baby RX	RX15	RX25
Housing material	Polycarbonate	Polycarbonate	Polycarbonate
Fiber material	Microporous polypropylene	Microporous polypropylene	Microporous polypropylene
Fiber bundle surface area	Approx. 0.5 m <sup>2</sup>	Approx. 1.5 m <sup>2</sup>	Approx. 2.5 m <sup>2</sup>
Heat exchanger material	Stainless steel	Stainless steel	Stainless steel
Heat exchanger surface area	Approx. 0.035 m <sup>2</sup>	Approx. 0.14 m <sup>2</sup>	Approx. 0.2 m <sup>2</sup>
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	Min. 0.5 L/min Max. 7.0 L/min
Reference blood flow (AAMI std.)	2.5 L/min	7 L/min	
Prime volume (static)	43 mL	135 mL	250 mL
Blood inlet port (from pump)	1/4" (6.4 mm)	3/8" (9.5 mm)	3/8" (9.5 mm)
Blood outlet port	1/4" (6.4 mm)	3/8" (9.5 mm)	3/8" (9.5 mm)
Cardioplegia port		1/4" (6.4 mm)	1/4" (6.4 mm)
Luer port (for recirc. or blood cardioplegia)	One luer lock on blood outlet port	n.a.	n.a.
Gas inlet port	1/4" (6.4 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)
Gas outlet port	5/16" (7.9 mm)	1/4" (6.4 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	1/2" (12.7 mm) Hansen quick-connect fittings
Maximum pressure			
Blood inlet	1000 mmHg (133 kPa)	1000 mmHg (133 kPa)	1000 mmHg (133 kPa)
Water inlet	2 kg/cm <sup>2</sup> (196 kPa)	2 kg/cm <sup>2</sup> (196 kPa)	2 kg/cm <sup>2</sup> (196 kPa)

Hardshell reservoir	R40 (for RX15)	R30 (for RX15)	
Housing material	Polycarbonate	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. 7.0 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



CAPIOX® RX25  
Oxygenators

## ▶ Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
<b>RX05 Baby RX Hollow Fiber Oxygenators</b>		
Ⓢ 0.5 m <sup>2</sup> surface area, 0.1 – 1.5 L/min flow rate, with 1 L hardshell reservoir, water inlet on left <sup>1</sup>	CX*RX05RW	4
Ⓢ 0.5 m <sup>2</sup> surface area, 0.1 – 1.5 L/min flow rate, with 1 L hardshell reservoir, water inlet on right <sup>1</sup>	CX*RX05RE	4
Ⓢ 0.5 m <sup>2</sup> surface area, 0.1 – 1.5 L/min flow rate, water inlet on left <sup>1</sup>	CX*RX05W	4
Ⓢ 0.5 m <sup>2</sup> surface area, 0.1 – 1.5 L/min flow rate, water inlet on right <sup>1</sup>	CX*RX05E	4
<b>RX15 Hollow Fiber Oxygenators</b>		
Ⓢ 1.5 m <sup>2</sup> surface area, 0.5 – 4.0 L/min flow rate (with 3 L hardshell reservoir), water inlet on right <sup>1</sup>	CX*RX15RE30	4
Ⓢ 1.5 m <sup>2</sup> surface area, 0.5 – 4.0 L/min flow rate (with 3 L hardshell reservoir), water inlet on left <sup>1</sup>	CX*RX15RW30	4
Ⓢ 1.5 m <sup>2</sup> surface area, 0.5 – 5.0 L/min flow rate (with 4 L hardshell reservoir), water inlet on right <sup>1</sup>	CX*RX15RE40	4
Ⓢ 1.5 m <sup>2</sup> surface area, 0.5 – 5.0 L/min flow rate (with 4 L hardshell reservoir), water inlet on left <sup>1</sup>	CX*RX15RW40	4
Ⓢ 1.5 m <sup>2</sup> surface area, 0.5 – 5.0 L/min flow rate, water inlet on right <sup>1</sup>	CX*RX15E	4
Ⓢ 1.5 m <sup>2</sup> surface area, 0.5 – 5.0 L/min flow rate, water inlet on left <sup>1</sup>	CX*RX15W	4
<b>RX25 Hollow Fiber Oxygenators</b>		
Ⓢ 2.5 m <sup>2</sup> surface area, 0.5 – 7.0 L/min flow rate, with 4 L hardshell reservoir, water inlet on left <sup>1</sup>	CX*RX25RW	4
Ⓢ 2.5 m <sup>2</sup> surface area, 0.5 – 7.0 L/min flow rate, with 4 L hardshell reservoir, water inlet on right <sup>1</sup>	CX*RX25RE	4
Ⓢ 2.5 m <sup>2</sup> surface area, 0.5 – 7.0 L/min flow rate, water inlet on left <sup>1</sup>	CX*RX25W	4
Ⓢ 2.5 m <sup>2</sup> surface area, 0.5 – 7.0 L/min flow rate, water inlet on right <sup>1</sup>	CX*RX25E	4

<sup>1</sup> 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 O<sub>2</sub> transfer performance
- Outstandingly low pressure drop
- With X Coating™

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

Holders for RX oxygenators >>>



## ▶ Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
<b>Holders for RX05 Baby RX Hollow Fiber Oxygenators</b>		
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
<b>Holders for RX15 and RX25 Hollow Fiber Oxygenators</b>		
Holder for RX15/RX25 oxygenator with hardshell reservoir, long angled arm .....	XX*CXH18R .....	1
Holder for RX15/RX25 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/RX25 oxygenator with hardshell reservoir (short non-angled arm).....	XX*XH032 .....	1
Holder for RX15/RX25 oxygenator without hardshell reservoir .....	XX*CXH15 .....	1
Modular holder system for RX15/RX25 oxygenator with hardshell reservoir (short arm).....	801139 .....	1
Modular holder system for RX15/RX25 oxygenator with hardshell reservoir .....	801804 .....	1
Extension arm for modular holder system for RX15/RX25 oxygenator with hardshell reservoir.....	801327 .....	1

