

# CAPIOX<sup>®</sup> RX

*Family of Hollow Fiber Oxygenators*

Perfectly balanced performance  
for every patient



# Perfectly balanced performance for every patient

## Oxygenator

### Balanced Performance

- Low priming volume, high gas exchange and low pressure drop are optimally balanced for superb performance.
- Hollow fibers manufactured exclusively by Terumo using a patented technology with total quality management from raw materials to finished product.
- Woven fiber bundle ensures consistent and high-performance gas exchange.
- Choice of blood outlet port configurations for easy access and increased circuit flexibility.
- Top-to-bottom blood flow path and air purge line provide excellent air removal capability.
- No DEHP used in PVC tubing.

### Specifications

	RX05	RX15/R30 reservoir	RX15/R40 reservoir	RX25
<b>Fibers</b> Approx. surface area	0.5 m <sup>2</sup>	1.5 m <sup>2</sup>	1.5 m <sup>2</sup>	2.5 m <sup>2</sup>
<b>Heat exchanger</b> Approx. surface area	0.035 m <sup>2</sup>	0.14 m <sup>2</sup>	0.14 m <sup>2</sup>	0.2 m <sup>2</sup>
<b>Blood flow range</b>	0.1 - 1.5 L/min	0.5 - 4.0 L/min	0.5 - 5.0 L/min	0.5 - 7.0 L/min
<b>Ports</b> Blood inlet port (from pump)	1/4" (6.4 mm)	3/8" (9.5 mm)	3/8" (9.5 mm)	3/8" (9.5 mm)
<b>Ports</b> Blood outlet port	1/4" (6.4 mm)	3/8" (9.5 mm)	3/8" (9.5 mm)	3/8" (9.5 mm)
<b>Ports</b> Cardioplegia port	Luer lock on blood outlet port	1/4" (6.4 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)
<b>Ports</b> Gas inlet port	1/4" (6.4 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)
<b>Ports</b> Gas outlet port	5/16" (7.9 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)
<b>Ports</b> Water ports	1/2" (12.7 mm) Hansen quick connect fittings			
<b>Maximum pressure</b> Blood inlet	133 kPa (1000 mmHg)			
<b>Maximum pressure</b> Water inlet	196 kPa (2 kgf/cm <sup>2</sup> ) (28.5 psi)			
<b>Thermistor probe</b>	Blood outlet port			
<b>Sterilization method</b>	Ethylene oxide gas			
<b>Priming volume (static)</b>	43 mL	135 mL	135 mL	250 mL

#### Materials

Housing: Polycarbonate, Fibers: Microporous polypropylene, Heat exchanger: Stainless steel

## Hardshell Reservoir

### Full Featured

- Elongated shape provides a stable blood flow path and enhanced visibility at all levels from all angles.
- Rotating venous inlet improves set-up flexibility.
- No DEHP used in PVC tubing.
- Connecting mount increases flexibility in circuit set-up and oxygenator rotation.
- Funnel-shaped cardiomy filter improves breakthrough and residual volumes.
- Positive pressure relief valve for additional safety.

### Specifications

	RX05	RX15/R30 reservoir	RX15/R40 reservoir	RX25
<b>Blood storage capacity</b>	1000 mL	3000 mL	4000 mL	4000 mL
<b>Minimum operating volume</b>	15 mL	70 mL	200 mL	200 mL
<b>Blood flow range</b>	0.1 - 1.5 L/min	0.5 - 4.0 L/min	0.5 - 5.0 L/min	0.5 - 7.0 L/min
<b>Max. cardiomy blood flow</b>	N/A	4.0 L/min	5.0 L/min	5.0 L/min
<b>Max. combined flow</b>	N/A	4.0 L/min	5.0 L/min	7.0 L/min
<b>Ports</b> Venous blood inlet (rotatable) > when 1/4" adaptor is attached	1/4" (6.4 mm)	3/8" (9.5 mm); 1/4" (6.4 mm)	1/2" (12.7 mm)	1/2" (12.7 mm)
<b>Ports</b> Blood outlet port (to pump) > when 1/4" adaptor is attached	1/4" (6.4 mm)	3/8" (9.5 mm); 1/4" (6.4 mm)	3/8" (9.5 mm)	3/8" (9.5 mm)
<b>Ports</b> Suction ports (rotatable)	Five: 3/16" - 1/4" (4.8 mm - 6.4 mm)	Six: 1/4" (6.4 mm)	Six: 1/4" (6.4 mm)	Six: 1/4" (6.4 mm)
<b>Ports</b> Vertical port (to CR filter)	N/A	3/8" (9.5 mm)	3/8" (9.5 mm)	3/8" (9.5 mm)
<b>Ports</b> Quick prime port	1/4" (6.4 mm)			
<b>Ports</b> Vent port	1/4" (6.4 mm)			
<b>Ports</b> Auxiliary port	1/4" - 3/8" (6.4 mm - 9.5 mm)			
<b>Ports</b> Non-filtered luer lock	One	One	One	One
<b>Ports</b> Luer locks on venous inlet	Two	Two	Two	Two
<b>Ports</b> Filtered luer locks to CR filter	Three	Three	Three	Three
<b>Thermistor probe</b>	Venous blood inlet port			
<b>Sterilization method</b>	Ethylene oxide gas			
<b>Maximum sustainable negative pressure in reservoir</b>	-20.0 kPa (-150 mmHg)			

#### Materials

Housing: Polycarbonate, Venous filter: Polyester screen type, Cardiomy filter: Polyester depth type, Defoamer: Polyurethane foam

One oxygenator family does it all

CAPIOX<sup>®</sup> RX05



*Baby RX designed for neonates and infants*

Maximum blood flow:	1.5 L/min
Oxygenator priming volume:	43 mL
Reservoir storage capacity:	1000 mL

CAPIOX<sup>®</sup> RX25



*Designed for reduced prime volume in adult circuits*

Maximum blood flow:	7.0 L/min
Oxygenator priming volume:	250 mL
Reservoir storage capacity:	4000 mL

- Superb O<sub>2</sub> transfer
- Low pressure drop
- Low priming volume

## CAPIOX<sup>®</sup> RX15



### minimized circuits

*Designed for children, minimized circuits and small adults; available in two reservoir sizes*

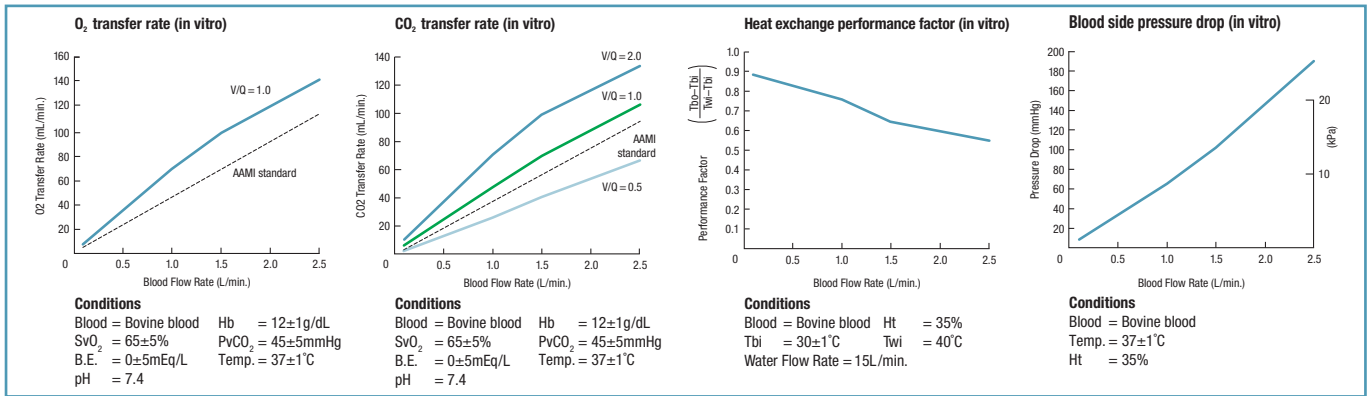
*With its low prime volume, high oxygen transfer capacity and excellent biocompatibility, the CAPIOX RX15 oxygenator is ideal for use in minimized perfusion circuits.*

**Maximum blood flow:** 4.0 L/min  
**Oxygenator priming volume:** 135 mL  
**Reservoir storage capacity:** 3000 mL

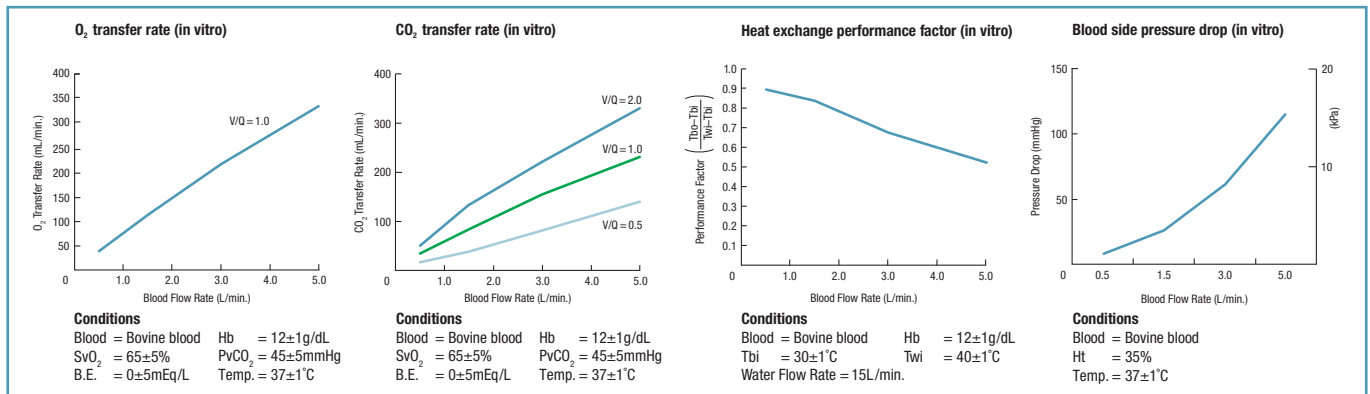
**Maximum blood flow:** 5.0 L/min  
**Oxygenator priming volume:** 135 mL  
**Reservoir storage capacity:** 4000 mL

# Performance Data

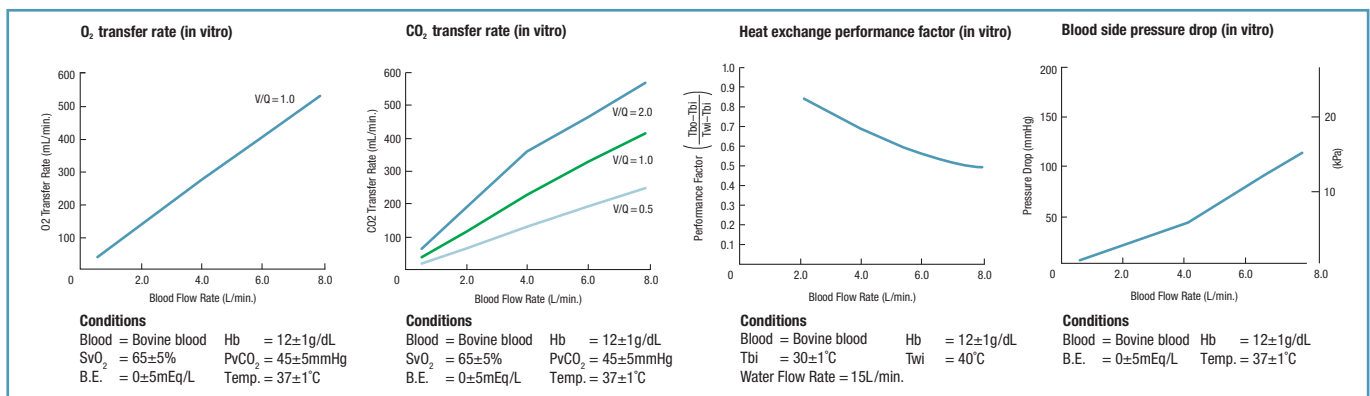
## CAPIOX® RX05 Baby RX® Hollow Fiber Oxygenator



## CAPIOX® RX15 Hollow Fiber Oxygenator

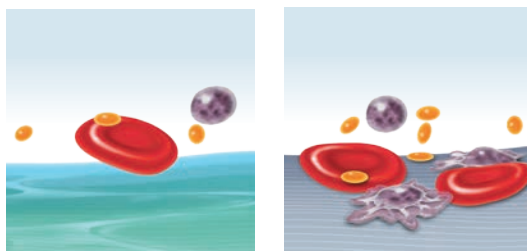


## CAPIOX® RX25 Hollow Fiber Oxygenator



X Coating biopassive surface coating reduces platelet adhesion and minimizes platelet activation.

On non-coated surfaces, platelet adhesion increases, resulting in platelet activation and blood reaction.



**TOTM – an alternative plasticizer Terumo Corporation is ever striving to develop new medical technologies with minimal burden to patients and the environment. Our efforts are closely linked to our corporate philosophy of contributing to society through health care by providing safe and trustworthy products. In line with this vision, Terumo provides an alternative plasticizer for the manufacturing of its products. TOTM (trioctyl trimellitate) offers outstanding physical properties, such as flexibility, to the material and low plasticizer elution.**

## Ordering Information

Catalog Number	Description	Units/Case
<b>CAPIOX RX05 Baby RX Oxygenator</b>		
CX*RX05E.....	Hollow fiber oxygenator <sup>1</sup> .....	4
CX*RX05W.....	Hollow fiber oxygenator <sup>1</sup> .....	4
CX*RX05RE.....	Hollow fiber oxygenator with hardshell reservoir <sup>2</sup> .....	4
CX*RX05RW.....	Hollow fiber oxygenator with hardshell reservoir <sup>2</sup> .....	4
<b>CAPIOX RX15 Oxygenator</b>		
CX*RX15E.....	Hollow fiber oxygenator <sup>3</sup> .....	4
CX*RX15W.....	Hollow fiber oxygenator <sup>3</sup> .....	4
CX*RX15RE30.....	Hollow fiber oxygenator with hardshell reservoir <sup>4</sup> .....	4
CX*RX15RW30.....	Hollow fiber oxygenator with hardshell reservoir <sup>4</sup> .....	4
CX*RX15RE40.....	Hollow fiber oxygenator with hardshell reservoir.....	4
CX*RX15RW40.....	Hollow fiber oxygenator with hardshell reservoir.....	4
<b>CAPIOX RX25 Oxygenator</b>		
CX*RX25E.....	Hollow fiber oxygenator.....	4
CX*RX25W.....	Hollow fiber oxygenator.....	4
CX*RX25RE.....	Hollow fiber oxygenator with hardshell reservoir.....	4
CX*RX25RW.....	Hollow fiber oxygenator with hardshell reservoir.....	4
<b>Holders for CAPIOX RX Oxygenators</b>		
XX*CXH05R.....	Holder for RX05 oxygenator with hardshell reservoir.....	1
XX*CXH05.....	Holder for RX05 oxygenator.....	1
XX*CXH05AD.....	Adapter for SX holder for RX05.....	1
XX*CXH25F.....	Holder for RX15/25 oxygenator.....	1
XX*CXH15.....	Holder for RX15/25 oxygenator.....	1
XX*CXH18R.....	Holder for RX15/25 oxygenator with hardshell reservoir.....	1
XX*XH032.....	Holder for RX15/25 oxygenator with hardshell reservoir, short arm.....	1
<b>Accessories for CAPIOX RX Oxygenators</b>		
CX*BP021.....	Blue thermistor wire.....	10
CX*BP022.....	Red thermistor wire.....	10

<sup>1</sup> Contains 2 adapters 3/16" to 1/4" and a recirculation line  
<sup>2</sup> Contains 4 adapters 3/16" to 1/4", 1 adapter 1/4" to 3/8" and a recirculation line  
<sup>3</sup> Contains 2 adapters 1/4" to 3/8"  
<sup>4</sup> Contains 4 adapters 1/4" to 3/8"

### Holder for CAPIOX RX05 Baby RX oxygenator



Holder for RX05 oxygenator with hardshell reservoir:  
XX\*CXH05R



Holder for RX05 oxygenator:  
XX\*CXH05

### Holder for CAPIOX RX15 and CAPIOX RX25 Oxygenators



Holder for RX15/25 oxygenator:  
XX\*CXH15



Holder for RX15/25 oxygenator with hardshell reservoir:  
XX\*CXH18R  
XX\*XH032, short arm



Holder for RX15/25 oxygenator:  
XX\*CXH25F

### Choose the blood outlet port configuration that best suits your circuit.



#### West outlet port

Oxy inlet on right when outlet is facing away from user

#### East outlet port

Oxy inlet on left when outlet is facing away from user



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