

## CAPIOX® RX25 Oxygenators



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

***Perfect balance  
for  
perfect  
performance.***

**Xcoating™**

## High Gas Exchange. Low Pressure Drop. Low Prime Volume . . . Now you can have all three.

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

The CAPIOX® RX25 Membrane Oxygenator achieves the perfect balance between high gas exchange, low pressure drop and low prime volume. It's available with one of the most fully-featured hardshell reservoirs in the industry. It offers X Coating™ biocompatible surface treatment as a standard feature, and it uses a safer plasticizer than DEHP in its PVC tubing.

This oxygenator balances all of the features that provide the highest performance of any oxygenator in the market today.



### CAPIOX RX25 Oxygenators

- Outstanding performance that results from low prime volume, high gas exchange and low pressure drop.
- Top-to-bottom blood flow path and air purge line provide excellent air removal capability.
- 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.
- Blood outlet port positioned for easy access and increased circuit flexibility.

#### Blood outlet port selection

Choose the port configuration that best suits your circuit.



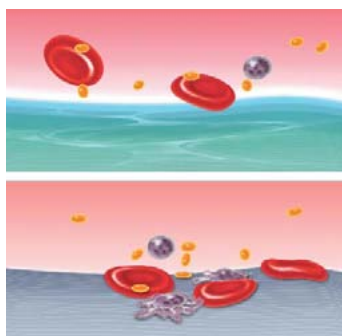
1CX\*RX25W  
1CX\*RX25RW



1CX\*RX25E  
1CX\*RX25RE

**Xcoating™**

Terumo's own biocompatible hydrophilic polymer surface coating – a standard feature of CAPIOX RX oxygenators.



*XCoating reduces platelet adhesion and minimizes platelet activation.*

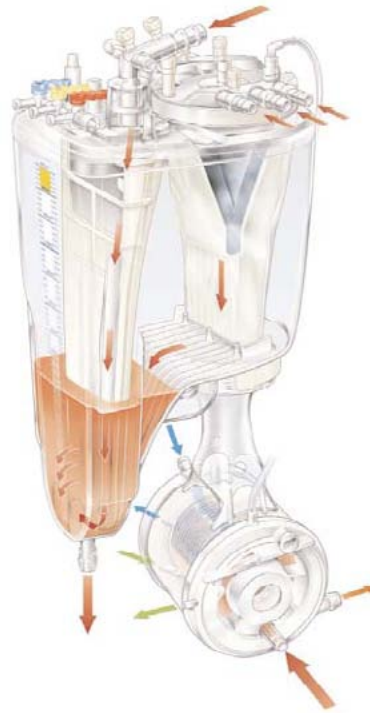
*On non-coated surfaces, platelet adhesion increases, resulting in platelet denaturation and blood reaction.*

**CAPIOX® Oxygenators: A Terumo tradition of leadership**

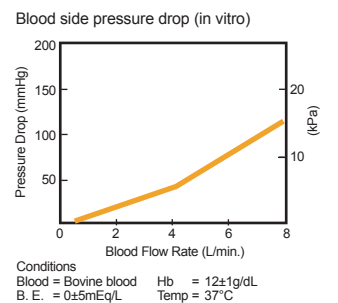
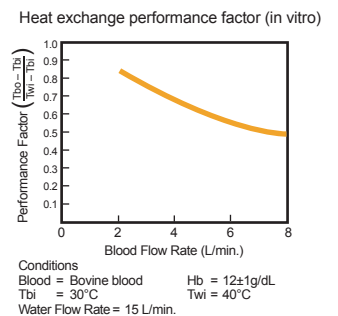
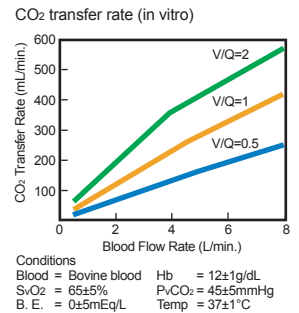
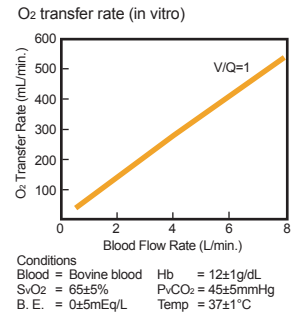
The CAPIOX RX25 oxygenator continues Terumo's legacy as a global leader in perfusion technology. For oxygenation systems alone, Terumo has been an innovator for more than two decades: it introduced the world's first hollow fiber oxygenator; it was the first manufacturer to separate the cardiotomy and venous filters; it is the first perfusion product manufacturer to eliminate DEHP from its disposable products. These are but a few of the many advancements that Terumo has introduced through its CAPIOX lines of oxygenators that have become industry standards.

**CAPIOX Hardshell Reservoir**

- Elongated shape provides a stable blood flow path and enhanced visibility at all levels from all angles.
- Separate cardiotomy and venous filter within reservoir provide optimal air removal and gentle blood handling.
- Low minimum operating level minimizes volume requirements inside reservoir.
- Funnel-shaped cardiotomy filter improves breakthrough and residual volumes.
- Rotating venous inlet improves setup flexibility.
- Flat front facilitates easy attachment of disposable level sensors.
- Sealed reservoir can be used for VAVD applications.
- Connecting mount increases flexibility in circuit setup and oxygenator rotation.
- No DEHP used in PVC tubing.



**Performance Data**



**TOTM plasticizer – an alternative to DEHP**

In line with its corporate philosophy of manufacturing products that are environmentally friendly as well as patient friendly, Terumo is eliminating material that contains DEHP (di(2)-ethylhexyl phthalate) from its products and replacing it with material containing a safer plasticizer, TOTM (trioctyl trimellitate). This is especially important for neonate and infant products where DEHP can pose a greater health risk. Materials containing TOTM are as flexible as those containing DEHP but elute less plasticizer.



# CAPIOX® RX25 Membrane Oxygenators

## Product Specifications

### Oxygenator module

Component	Specifications
Housing Material	Polycarbonate
Fiber surface area	Approx. 2.5m <sup>2</sup>
Fiber material	Microporous polypropylene
Heat exchanger surface area	Approx. 0.2m <sup>2</sup>
Material	Stainless steel
Priming volume (static)	250mL
Blood flow range	0.5 ~ 7.0L/min.
Maximum pressure:	
blood inlet	1000 mmHg (133kPa)
water inlet	2kg/cm <sup>2</sup> (196kPa)
<b>Ports</b>	
• Blood inlet port (from pump)	3/8" (9.5mm)
• Blood outlet port	3/8" (9.5mm)
• Blood cardioplegia port	1/4" (6.4mm)
• Gas inlet port	1/4" (6.4mm)
• Gas outlet port	1/4" (6.4mm)
• Water ports	1/2" (12.7mm), Hansen quick connect fittings
Thermistor probe	Blood outlet port
Sterilization method	Ethylene oxide gas

### Hardshell reservoir section

Component	Specifications
Housing Material	Polycarbonate
Maximum blood storage capacity	4000mL
Minimum operating volume	200mL
Venous blood flow range	0.5 ~ 7.0L/min.
Maximum cardiotomy blood flow	5.0L/min.
<b>Ports</b>	
• Venous blood inlet port	1/2" (12.7mm), rotatable
• Blood outlet port (to pump)	3/8" (9.5mm)
• Suction ports	1/4" (6.4mm) x 6
• 3/8" port (in cardiotomy filter)	3/8" (9.5mm)
• Quick priming port	1/4" (6.4mm)
• Auxiliary port (outside of cardiotomy filter)	1/4" ~ 3/8" (6.4 ~ 9.5mm)
• Luer ports	Three luer locks to cardiotomy filter One luer lock on reservoir (with positive-pressure release valve) Two luer locks on venous inlet port
• Reservoir vent port	1/4" (6.4mm)
Thermistor probe	Venous blood inlet port
Sterilization method	Ethylene oxide gas

## Ordering Information

Catalog No.	Description	Units/Case
1CX*RX25RW	Hollow fiber oxygenator with hardshell reservoir	4/cs
1CX*RX25RE	Hollow fiber oxygenator with hardshell reservoir	4/cs
1CX*RX25W	Hollow fiber oxygenator	4/cs
1CX*RX25E	Hollow fiber oxygenator	4/cs

### Accessories for CAPIOX RX Oxygenators

801804	Holder for oxygenators with hardshell reservoir (available in USA)
801139	Short arm holder for oxygenators with hardshell reservoir (available in USA)
1XX*CXH18	Holder for oxygenator only (available in USA and EU)
1XX*CXH18R	Extended holder for oxygenator with hardshell reservoir (available in EU)
1XX*XH032	Short holder for oxygenator with hardshell reservoir (available in EU)
1XX*CXH25	Holder for oxygenator unit only (available in EU)
1CX*BP021	Blue lead wire for oxygenators
1CX*BP022	Red lead wire for oxygenators
1ME*CE601	Low-level alarm for hard-shell venous reservoir
1XX*CE601P	Low-level sensor probe for hard-shell venous reservoir

CAPIOX® RX25 Oxygenator



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