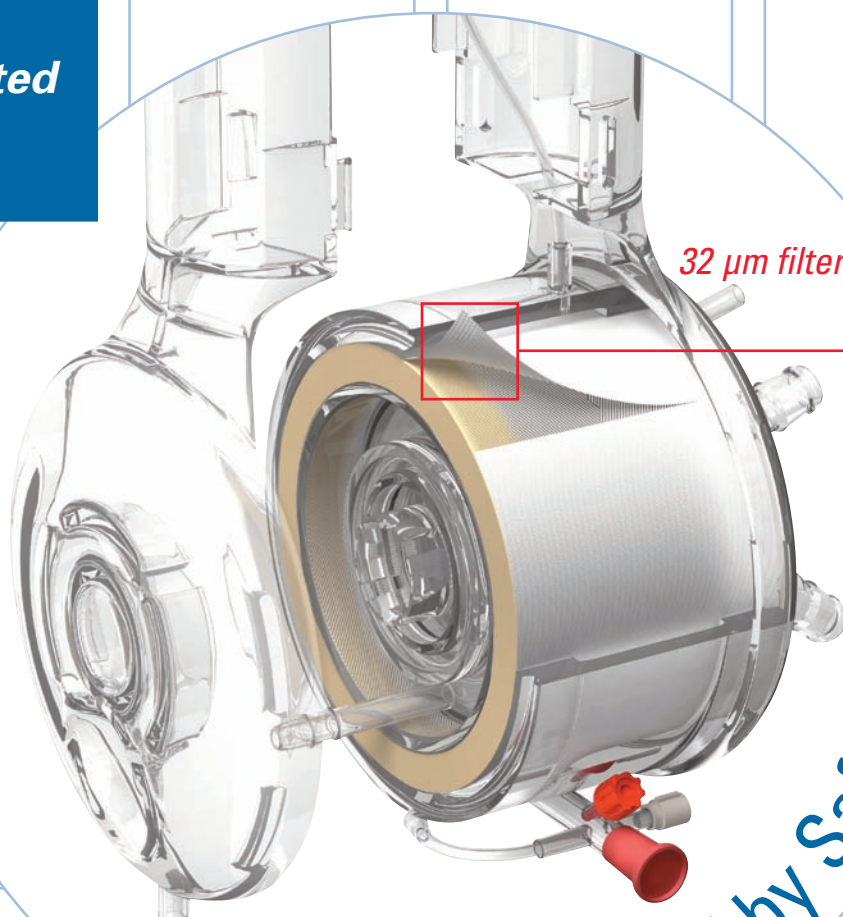


CAPiox[®] FX Family of Oxygenators with Integrated Arterial Filter

Breakthrough technology for added patient safety

***With
integrated
filter!***

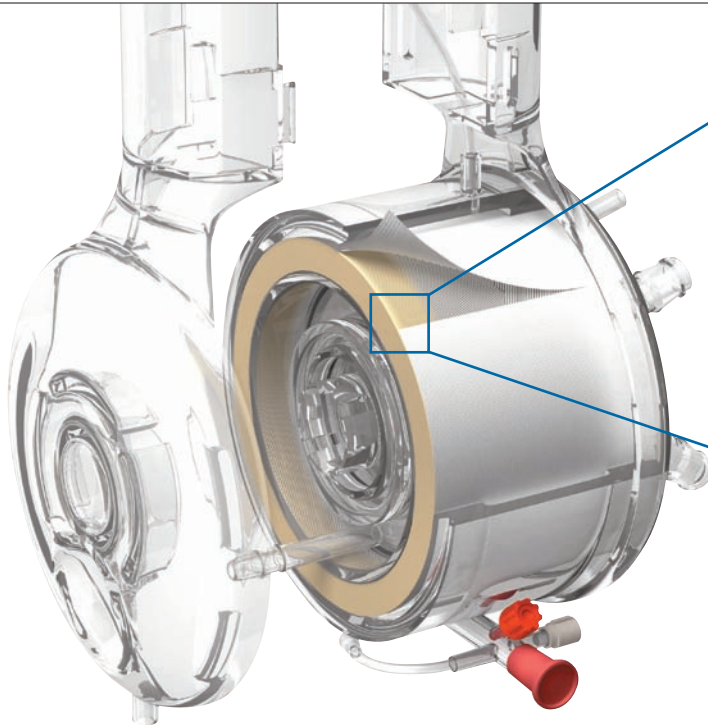


Surrounded by Safety

CAPIOX® FX Family of Oxygenators

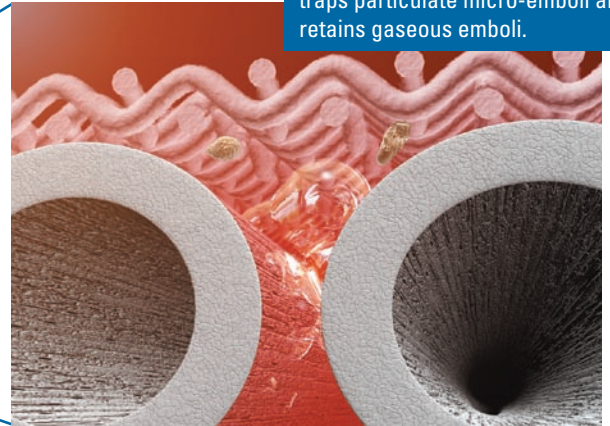
Integrated arterial filter with self-venting technology

A 32 μm screen filter surrounds the fiber layer of the oxygenator. Particulate micro-emboli that may be present in the blood are trapped in the filter mesh while gaseous emboli remain inside the oxygenator and in contact with the hollow fibers. Driven by the pressure difference, gaseous emboli enter the inner lumen of the microporous hollow fiber and are eliminated via the gas outlet.

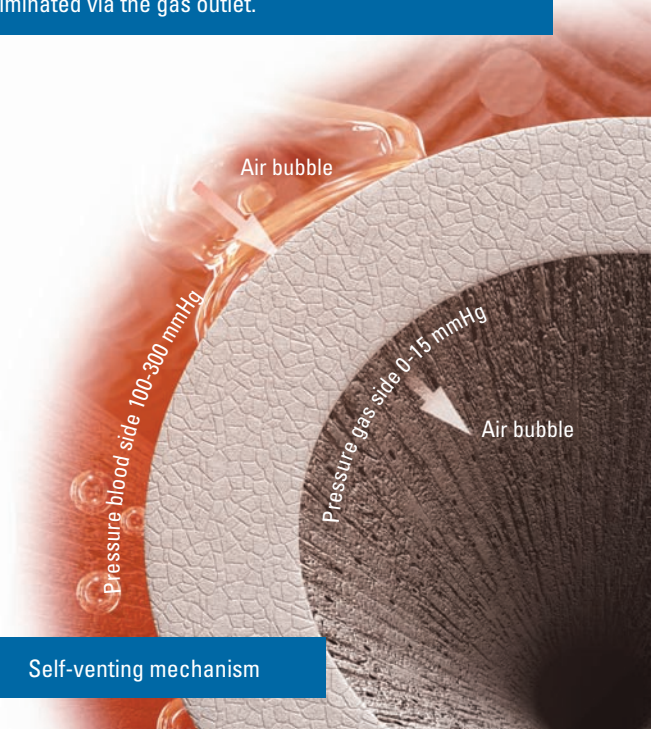


Filter Pore Size 32 μm

Screen filter surrounds the fiber layer, traps particulate micro-emboli and retains gaseous emboli.



Driven by the pressure difference between the blood side and gas side of the oxygenator, gaseous emboli enter the inner lumen of the microporous hollow fiber and are eliminated via the gas outlet.



Self-venting mechanism

xcoating™, Terumo's own biocompatible amphiphilic polymer surface coating, is a standard feature of all CAPIOX® FX oxygenators.

Integrated arterial filter

- Filter inside oxygenator housing
- 32 μm pore size
- Self-venting technology

Oxygenator

Proven performance

- Fully integrated arterial filter with self-venting technology
- 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 means 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
- No DEHP used in PVC tubing

CAPiox® FX05 Oxygenator

For neonates and infants



Hardshell Reservoir

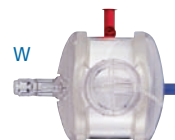
Full featured

- Elongated shape provides stable blood flow path and enhanced visibility at all levels from all angles
- Rotating venous inlet improves set-up flexibility
- Connecting mount increases flexibility in circuit set-up and oxygenator rotation
- Funnel-shaped cardiectomy filter improves breakthrough and residual volumes
- No DEHP used in PVC tubing

- *Maximum blood flow: 1.5 L/min*
- *Oxygenator priming volume: 43 mL*
- *Arterial filter surface area: 130 cm²*
- *Reservoir storage capacity: 1000 mL*

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



Choose the blood outlet port configuration that best suits your circuit

CAPIOX® FX15 Oxygenator

*For children, small adults and
minimized circuits*



Available in
two reservoir sizes



- Maximum blood flow: 4.0 L/min
- Oxygenator priming volume: 144 mL
- Arterial filter surface area: 360 cm²
- Reservoir storage capacity: 3000 mL



- Maximum blood flow: 5.0 L/min
- Oxygenator priming volume: 144 mL
- Arterial filter surface area: 360 cm²
- Reservoir storage capacity: 4000 mL

CAPIOX® FX25 Oxygenator

For all adults



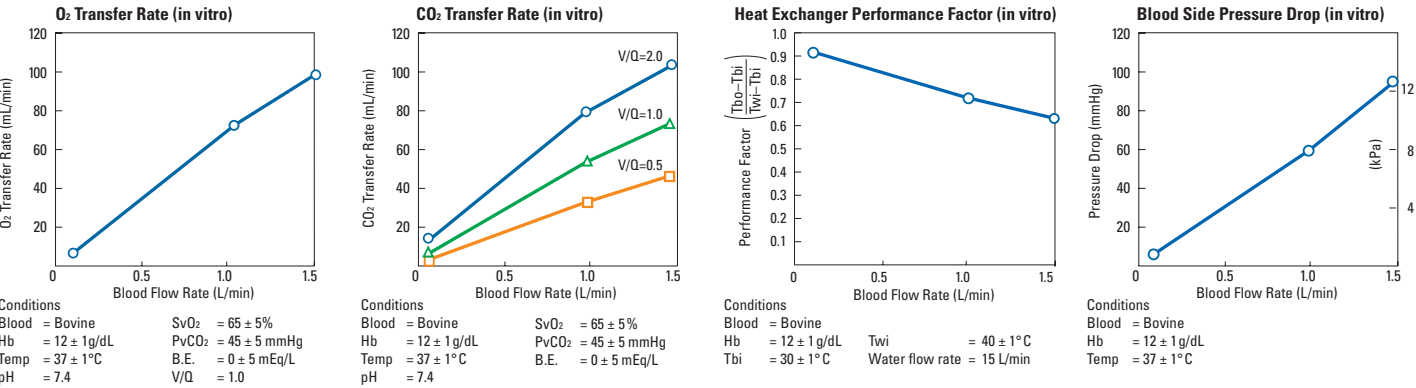
- Maximum blood flow: 7.0 L/min
- Oxygenator priming volume: 260 mL
- Arterial filter surface area: 600 cm²
- Reservoir storage capacity: 4000 mL



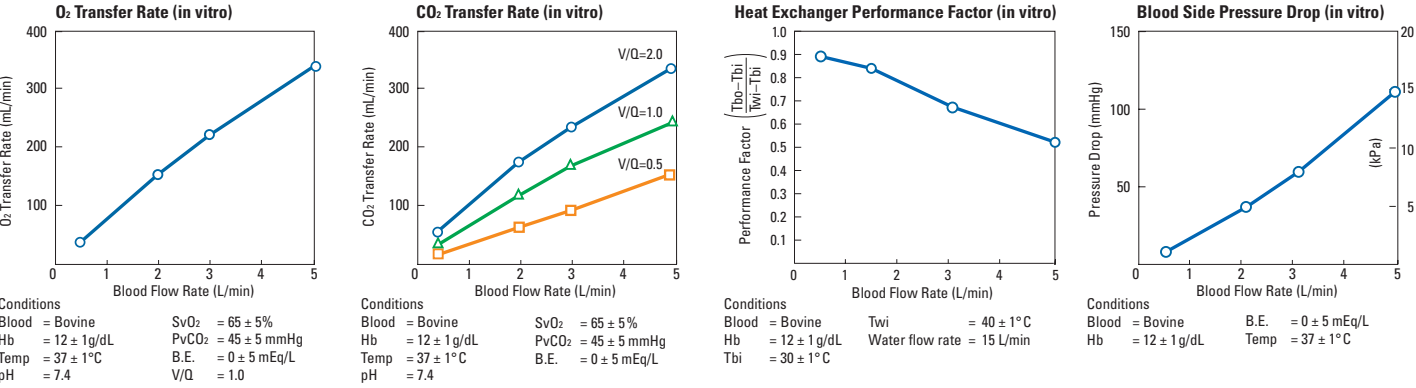
TOTM – an alternative plasticizer

Terumo is ever striving to develop new medical technologies with minimal negative impact to patients and the environment. In line with this goal, 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.

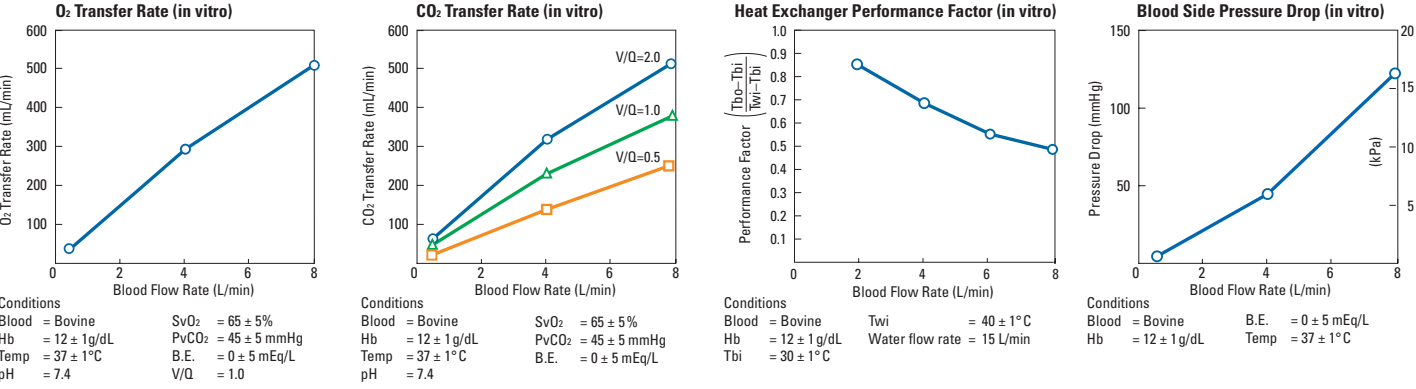
CAPIOX FX05 Performance Data



CAPIOX FX15 Performance Data



CAPIOX FX25 Performance Data



Holder Systems

CAPIOX FX05 Oxygenator



Order # XX*CXH05R



Order # XX*CXH05

CAPIOX FX15 and CAPIOX FX25 Oxygenators



Order # 801804
XX*CXH18R (Europe only)



Order # 801139
XX*XH032 (Europe only)



Order # 812613 for FX25 (US only)
812614 for FX15 (US only)
XX*CXH15 (Europe only)

CAPIOX FX Family of Oxygenators

Specifications

Oxygenator

Material	Housing	Polycarbonate
	Fibers	Microporous polypropylene
	Heat exchanger	Stainless steel

Oxygenator	FX05	FX15	FX25
Fiber bundle surface area	Approx. 0.5 m ²	Approx. 1.5 m ²	Approx. 2.5 m ²
Heat exchanger surface area	Approx. 0.035 m ²	Approx. 0.14 m ²	Approx. 0.2 m ²
Blood flow range	0.1 – 1.5 L/min	0.5 – 5.0 L/min, 0.5 – 4.0 L/min (with R30)	0.5 – 7.0 L/min
Reference blood flow (AAMI std.)	2.5 L/min	7.0 L/min	n.a.
Priming volume (static)	43 mL	144 mL	260 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)		
Gas outlet port	5/16" (7.9 mm)	1/4" (6.4 mm)	
Water ports	1/2" (12.7 mm) Hansen quick-connect fittings		
Maximum pressure Blood inlet	1000 mmHg (133 kPa)		
Maximum pressure Water inlet	2 kgf/cm ² (196 kPa) (28.5 psi)		
Arterial filter			
Filter material	Polyester screen type		
Pore size	32 µm		
Surface area	130 cm ²	360 cm ²	600 cm ²

Hardshell Reservoir

Material	Housing	Polycarbonate
	Venous filter	Polyester screen type, Pore size 47 µm
	Cardiotomy filter	Polyester depth type
	Defoamer	Polyurethane foam

Hardshell reservoir	FX05	FX15 R30 (for FX15)	R40 (for FX15)	FX25
Blood flow range				
Venous flow	0.1 – 1.5 L/min	0.5 – 4.0 L/min	0.5 – 5.0 L/min	0.5 – 7.0 L/min
Cardiotomy inlet	Max. 1.5 L/min	Max. 4.0 L/min	Max. 5.0 L/min	Max. 5.0 L/min
Combined flow	Max. 1.5 L/min	Max. 4.0 L/min	Max. 5.0 L/min	Max. 7.0 L/min
Blood storage capacity	1000 mL	3000 mL	4000 mL	4000 mL
Min. operating volume	15 mL	70 mL	200 mL	200 mL
Venous blood inlet port	1/4" (6.4 mm) rotatable	3/8" (9.5 mm) rotatable	1/2" (12.7 mm) rotatable	1/2" (12.7 mm) rotatable
Blood outlet port (to pump)	1/4" (6.4 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)		
Vertical port (to CR filter)	n.a.	3/8" (9.5 mm)		
Quick prime port	1/4" (6.4 mm)			
Vent port	1/4" (6.4 mm)			
Auxiliary port	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			
Maximum sustainable negative pressure in reservoir	-150 mmHg (-20.0 kPa)			

Ordering Information

DESCRIPTION

CAPIOX FX05 Oxygenator

Oxygenator with integrated arterial filter ¹	CX*FX05W	4
Oxygenator with integrated arterial filter ¹	CX*FX05E	4
Oxygenator with integrated arterial filter/hardshell reservoir ²	CX*FX05RW	4
Oxygenator with integrated arterial filter/hardshell reservoir ²	CX*FX05RE	4

CAPIOX FX15 Oxygenator

Oxygenator with integrated arterial filter ³	CX*FX15W	4
Oxygenator with integrated arterial filter ³	CX*FX15E	4
Oxygenator with integrated arterial filter/hardshell reservoir ⁴	CX*FX15RW30	2
Oxygenator with integrated arterial filter/hardshell reservoir ⁴	CX*FX15RE30	2
Oxygenator with integrated arterial filter/hardshell reservoir	CX*FX15RW40	2
Oxygenator with integrated arterial filter/hardshell reservoir	CX*FX15RE40	2

CAPIOX FX25 Oxygenator

Oxygenator with integrated arterial filter	CX*FX25W	4
Oxygenator with integrated arterial filter	CX*FX25E	4
Oxygenator with integrated arterial filter/hardshell reservoir	CX*FX25RW	2
Oxygenator with integrated arterial filter/hardshell reservoir	CX*FX25RE	2

CATALOG NO. UNITS/CASE

DESCRIPTION

Holders for CAPIOX FX Oxygenators

Holder for FX05 oxygenator	XX*CXH05	1
Holder for FX05 oxygenator with hardshell reservoir	XX*CXH05R	1
Adapter for SX holder for FX05	XX*CXH05AD	1
Holder for FX15/25 oxygenator with hardshell reservoir (short arm)	801139	1
Holder for FX15/25 oxygenator with hardshell reservoir (long arm)	801804	1
Holder for FX25 oxygenator (US only)	812613	1
Holder for FX15 oxygenator (US only)	812614	1
Holder for FX15/25 oxygenator (Europe only)	XX*CXH15	1
Holder for FX15/25 oxygenator when separated from reservoir	XX*CXH25F	1
Holder for FX15/25 oxygenator with hardshell reservoir (Europe only)	XX*CXH18R	1
Holder for FX15/25 oxygenator with hardshell reservoir, short arm (Europe only)	XX*XH032	1

CATALOG NO. UNITS/CASE

- ¹ Contains 2 adapters 3/16" – 1/4" and a recirculation line
² Contains 4 adapters 3/16" – 1/4", 1 adapter 1/4" – 3/8" and a recirculation line
³ Contains 2 adapters 1/4" – 3/8"
⁴ Contains 4 adapters 1/4" – 3/8"



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