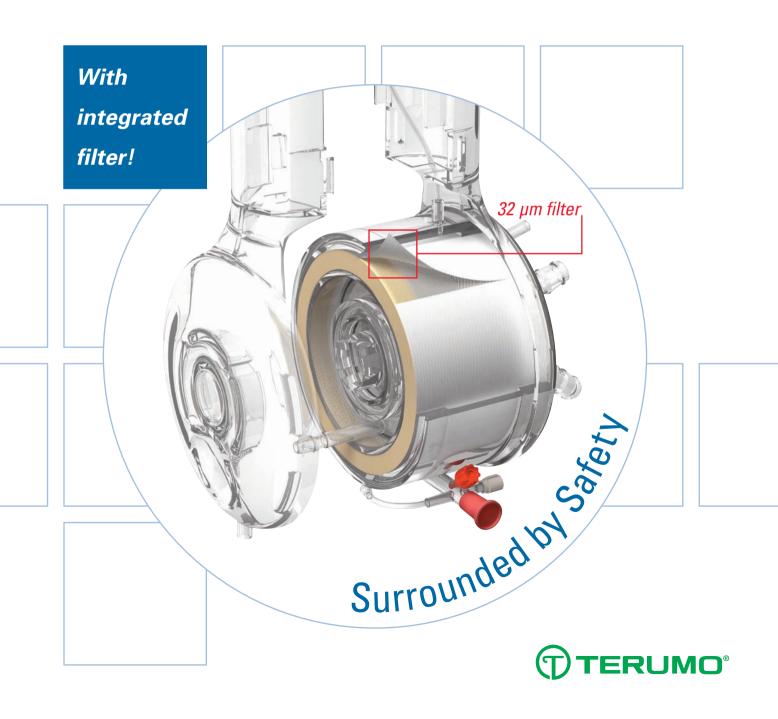


CAPIOX® FX Family of Oxygenators with Integrated Arterial Filter

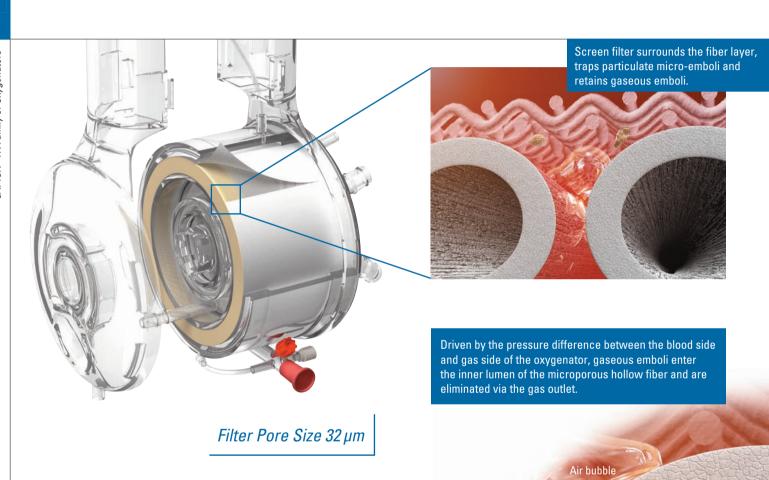
Breakthrough technology for added patient safety



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.



Air bubble

Self-venting mechanism



Integrated arterial filter

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

CAPIOX® FX05 Oxygenator

For neonates and infants

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

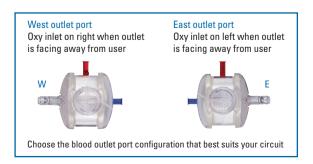


Hardshell Reservoir

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 cardiotomy 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



CAPIOX® FX 15 Oxygenator

For children, small adults and minimized circuits

CAPIOX® FX25 Oxygenator

For all adults







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



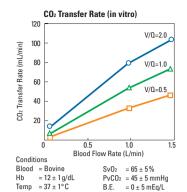
- Maximum blood flow: 5.0 L/min
- Oxygenator priming volume: 144 mL
- Arterial filter surface area: 360 cm²
- Reservoir storage capacity: 4000 mL



TOTM – an alternative plasticizer

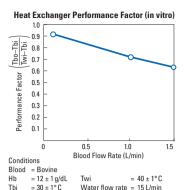
Terumo is ever striving to develop new medical technologies with minimal negative impact to patients and the environment.

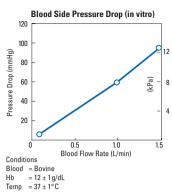
In line with this goal, Terumo provides an alternative plasticizer for the manufacturing of its products. TOTM (trioctyl trimellitate) offers outstanding physical properties (such as flexibility) to the material and low plasticizer elution. = 7.4



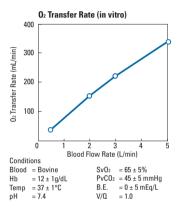
= 7.4

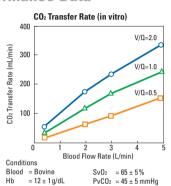
Temp = $37 \pm 1^{\circ}$ C





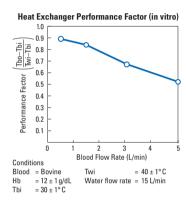
CAPIOX FX15 Performance Data

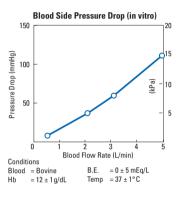




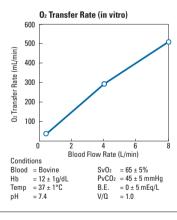
ΒF

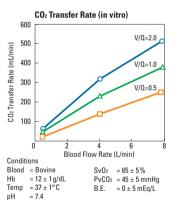
 $= 0 \pm 5 \text{ mEa/L}$

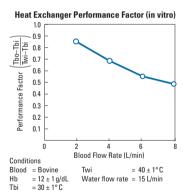


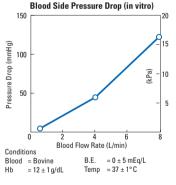


CAPIOX FX25 Performance Data









Holder Systems CAPIOX FX05 Oxygenator







CAPIOX FX 15 and CAPIOX FX 25 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)

Order # XX*CXH05R

Order # XX*CXH05

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 – 7.0 L/min	
		0.5 – 4.0 L/min		
Reference blood flow		(with R30)		
(AAMI std.)	2.5 L/min	7.0 L/min	n.a.	
Priming volume (static)	43 mL	144 mL	260 mL	
Blood inlet port	IO III E	11111112	200 1112	
(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.	One luer lock			
or blood cardioplegia)	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/cm² (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 P		Polycarbonate
	Venous filter	Polyester screen type, Pore size 47 μm
	Cardiotomy filter	Polyester depth type
	Defoamer	Polyurethane foam

Hardshell reservoir	FX05	FX15		FX25
		R30 (for FX15)	R40 (for FX15)	
Blood flow range Venous flow Cardiotomy inlet Combined flow	0.1 – 1.5 L/min Max. 1.5 L/min Max. 1.5 L/min	0.5 – 4.0 L/min Max. 4.0 L/min Max. 4.0 L/min	0.5 – 5.0 L/min Max. 5.0 L/min Max. 5.0 L/min	0.5 – 7.0 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 k	Pa)		

Ordering Information

DESCRIPTION CATALOG NO. UNITS/CASE DESCRIPTION CATALOG NO. UNITS/CASE

CAPIOX FX05 Oxygenator

CAPIOX FX15 Oxygenator

Oxygenator with integrated arterial filter/hardshell reservoir ...CX*FX15RW402 Oxygenator with integrated arterial filter/hardshell reservoir CX*FX15RE40 2 Holder for FX15/25 oxygenator with hardshell reservoir,

CAPINY EX25 Overgenator

CAT TO A T A23 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

Holders for CAPIOX FX Oxygenators

Oxygenator with integrated arterial filter \frac{1}{1} \quad CX*FX05W \quad 4 \quad Holder for FX05 oxygenator \quad XX*CXH05 \quad 1 \quad \quad 1 \quad \q Oxygenator with integrated arterial filter³ CX*FX15W 4 Holder for FX25 oxygenator (US only) 812613 1
Oxygenator with integrated arterial filter³ CX*FX15E 4 Holder for FX15/25 oxygenator (US only) 812614 1
Oxygenator with integrated arterial filter/hardshell reservoir⁴ CX*FX15RW30 2 Holder for FX15/25 oxygenator (Europe only) XX*CXH15 1 Holder for FX15/25 oxygenator with hardshell reservoir (Europe only) XX*CXH18R1 short arm (Europe only)XX*XH0321

- 4 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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TERUMO CARDIOVASCULAR SYSTEMS CORPORATION

6200 Jackson Road Ann Arbor, Michigan 48103-9300 USA 734 663 4145 phone 734 663 7981 fax 800 521 2818 toll free

www.terumo-cvs.com

TERUMO EUROPE N.V.

Researchpark Haasrode 1520 Interleuvenlaan 40 B-3001 Leuven Belaium 32 16 38 12 11 phone 32 16 40 02 49 fax www.terumo-europe.com

TERUMO EUROPE N.V. **CARDIOVASCULAR DIVISION**

Hauptstrasse 87 D-65760 Eschborn Germany 49 6196 8023 500 phone 49 6196 8023 555 fax www.terumo-europe.com

TERUMO LATIN AMERICA CORPORATION

8750 NW 36th Street, Suite 600 Miami, Florida 33178 USA 305 477 4822 phone 305 477 4872 fax 800 283 7866 toll free

TERUMO CORPORATION

44-1, 2-chome Hatagaya, Shibuya-ku Tokyo 151-0072 Japan 81 3 3374 8111 phone 81 3 3374 8196 fax www.terumo.com