

SPECIFICATIONS

Oxygenator module

Component	Specifications	
Housing	Material	Polycarbonate
Fibers	Material	Microporous polypropylene
	Surface area	Approx. 0.5m ²
Heat exchanger	Material	Stainless steel
	Surface area	Approx. 0.035m ²
Blood flow range	0.1—1.5L/min.	
Reference blood flow (AAMI standard)	2.5L/min.	
Priming volume (static)	43mL	
<ul style="list-style-type: none"> Blood inlet port (from pump) Blood outlet port Luer port (for recirculation or blood cardioplegia) Gas inlet port Gas outlet port Water ports 	1/4" (6.4mm)	
	1/4" (6.4mm)	
	One luer lock on blood outlet port	
	1/4" (6.4mm)	
	5/16" (7.9mm)	
Filter	Pore diameter	32µm
	Material	Polyester
Maximum pressure	Blood inlet: 1,000mmHg (133kPa)	
	Water inlet: 2 kgf/cm ² (196kPa) (28.5psi)	

Note: The oxygenator module of the oxygenator/hardshell reservoir system is rotatable and detachable.

Hardshell reservoir section

Component	Specifications	
Housing	Material	Polycarbonate
Blood flow range	0.1—1.5L/min.	
Blood storage capacity	1,000mL	
Minimum operating volume	15mL	
Venous filter	Material	Polyester screen type
	Pore size	47µm
Cardiotomy filter	Material	Polyester depth type
Defoamer	Material	Polyurethane foam
<ul style="list-style-type: none"> Venous blood inlet port Blood outlet port (to pump) Suction ports 	1/4" (6.4mm) rotatable	
	1/4" (6.4mm)	
	Five 3/16"—1/4" (4.8mm—6.4mm) rotatable	
	1/4" (6.4mm)	
	1/4" (6.4mm)	
<ul style="list-style-type: none"> Quick prime port Vent port Auxiliary port Luer ports 	1/4"—3/8" (6.4mm—9.5mm)	
	• Three filtered luer locks to cardiotomy filter	
	• One non-filtered luer lock	
	• Two luer locks on venous inlet	
Maximum sustainable negative pressure in reservoir	-150mmHg (-20.0kPa)	

Product description

Reorder number	Description
CX-FX05RW	Hollow Fiber Oxygenator with Hardshell Reservoir
CX-FX05RE	Hollow Fiber Oxygenator with Hardshell Reservoir
CX-FX05W	Hollow Fiber Oxygenator
CX-FX05E	Hollow Fiber Oxygenator

(CX-FX05RW, CX-FX05W, CX-FX05RE and CX-FX05E differ in the positioning of the arterial blood port of the oxygenator.)

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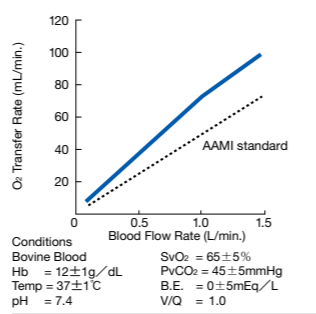
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TERUMO (DEUTSCHLAND) GmbH

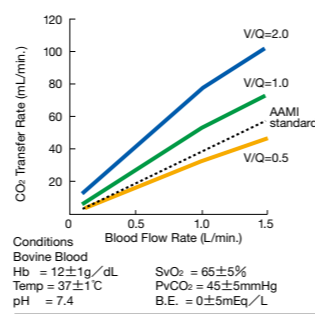
Lyonerstrasse 11a, 60528 Frankfurt am Main, Germany
Phone: 49-69-66-44-20
Fax: 49-69-66-66-826

Performance data

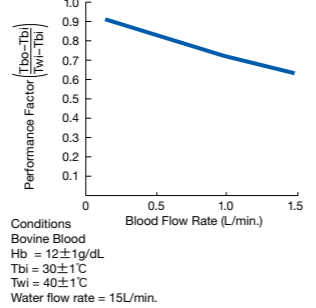
O₂ Transfer Rate (in vitro)



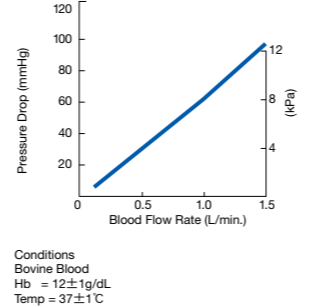
CO₂ Transfer Rate (in vitro)



Heat Exchanger Performance Factor (in vitro)



Blood Side Pressure Drop (in vitro)



Holder systems



▲ Holder system for oxygenator/reservoir system and reservoir module (Reorder number: XX-CXH05R)



▲ Holder system for oxygenator module (Reorder number: XX-CXH05)



▲ Adapter for SX holder (Reorder number: XX-CXH05AD)



For More Baby-Friendly Perfusion

Priming Volume (with arterial filter): 43mL Filter Pore Size: 32µm

CAPIOX[®] FX05



BABY-FX

Oxygenator System with Integrated Arterial Filter
designed for neonate and infant

GENERATION NEXT

The CAPIOX® BABY-FX is a next-generation oxygenator system that offers new advantages. An integrated arterial filter greatly reduces priming/transfusion volume. The system's increased operational safety ultimately benefits the well-being of neonate and infant patients.



Priming Volume:
(with arterial filter)
43mL

Filter Pore Size:
32µm



Focus

on optimizing perfusion for neonates and infants

BABY-FX requires only 43mL of priming volume and features 1.5L/min flow capacity. Its integrated arterial filter makes connection of a separate arterial filter unnecessary. That is why it is excellent for surgical procedures on neonates and infants.

Fusion

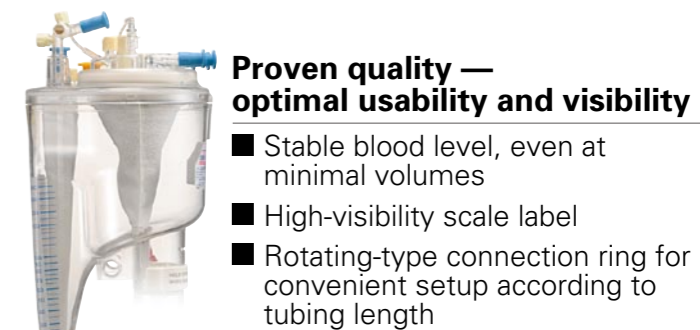
of arterial filter and oxygenator

A screen-mesh filter surrounding the outside of the fiber layer of the oxygenator unit has 32µm-diameter pores for removal of air bubbles as well as microaggregate clusters such as blood clots and fatty masses.

Feature

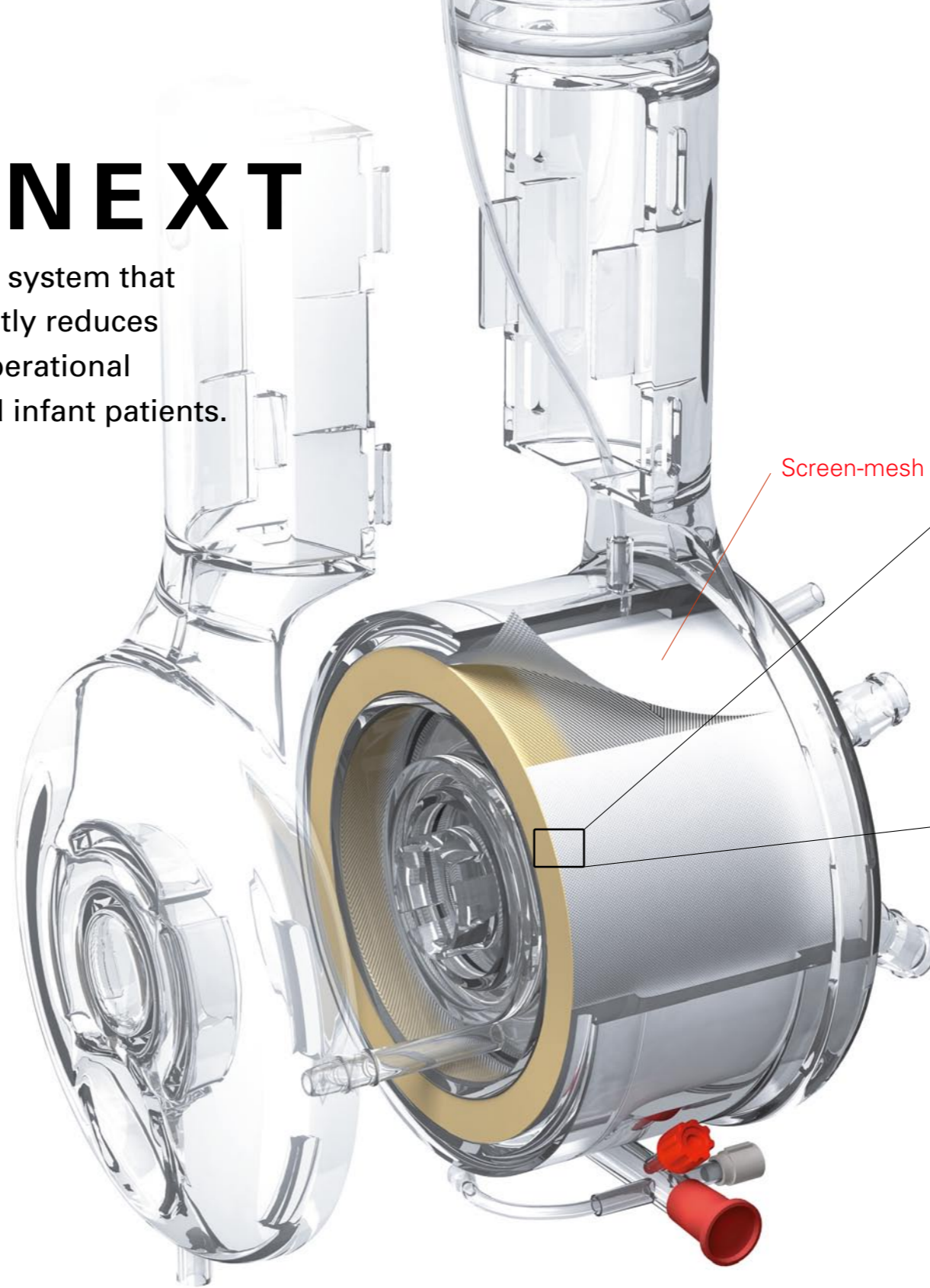
automatic air bubble removal

Self-vent mechanism utilizes pressure differential between the outside (in contact with blood) and the inside of the fiber to automatically exhaust air bubbles. The integrated arterial filter makes setup procedure simple and easy.

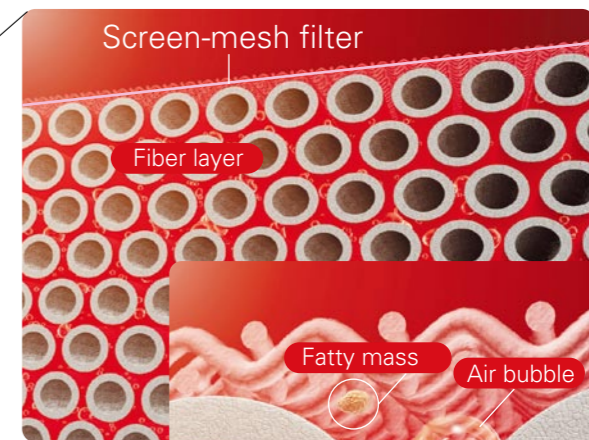


Proven quality — optimal usability and visibility

- Stable blood level, even at minimal volumes
- High-visibility scale label
- Rotating-type connection ring for convenient setup according to tubing length



Screen-mesh filter



Screen-mesh filter

Fiber layer

Fatty mass

Air bubble

Screen-mesh filter removes air bubbles and fatty mass



Air bubbles are exhausted into the fiber due to pressure differential between the inside and the outside of the fiber.

Pressure of blood side: 100 – 300 mmHg

Air bubble

Pressure in the hollow fiber: 0 – 15 mmHg

Air bubble

Self-vent mechanism

*Conceptualization