



CAPIOX® FX Oxygenators

High-performance hollow fiber oxygenators with integrated arterial filter designed to meet adult and pediatric patient needs

SPECIFICATIONS

Oxygenator	FX05	FX15	FX25
Housing material	Polycarbonate	Polycarbonate	Polycarbonate
Fiber material	Microporous polypropylene	Microporous polypropylene	Microporous polypropylene
Fiber bundle surface area	Approx. 0.5 m ²	Approx. 1.5 m ²	Approx. 2.5 m ²
Heat exchanger material	Stainless steel	Stainless steel	Stainless steel
Heat exchanger surface area	Approx. 0.035 m ²	Approx. 0.14 m ²	Approx. 0.2m ²
Blood flow range	Min. 0.1 L/min, Max. 1.5 L/min	0.5 – 5.0 L/min, 0.5 – 4.0 L/min when using R30 hardshell reservoir	Min. 0.5 L/min, Max. 7.0 L/min
Reference blood flow (AAMI std.)	2.5 L/min	7 L/min	
Prime volume (static)	43 mL	144 mL	260 mL
Blood inlet port (from pump)	1/4" (6.4 mm)	3/8" (9.5 mm)	3/8" (9.5 mm)
Blood outlet port	1/4" (6.4 mm)	3/8" (9.5 mm)	3/8" (9.5 mm)
Cardioplegia port		1/4" (6.4 mm)	1/4" (6.4 mm)
Luer port (for recirc. or blood cardioplegia)	One luer lock on blood outlet port	n.a.	n.a.
Gas inlet port	1/4" (6.4 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)
Gas outlet port	5/16" (7.9 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)
Water ports	1/2" (12.7 mm) Hansen quick-connect fittings	1/2" (12.7 mm) Hansen quick-connect fittings	1/2" (12.7 mm) Hansen quick-connect fittings
Maximum pressure			
Blood inlet	1000 mmHg (133 kPa)	1000 mmHg (133 kPa)	1000 mmHg (133 kPa)
Water inlet	2 kg/cm ² (196 kPa)	2 kg/cm ² (196 kPa)	2 kg/cm ² (196 kPa)
Arterial filter			
Filter material	Polyester screen type	Polyester screen type	Polyester screen type
Pore size	32 µm	32 µm	32 µm
Surface area	130 cm ²	360 cm ²	600 cm ²



CAPIOX® FX Oxygenators

High-performance hollow fiber oxygenators with integrated arterial filter designed to meet adult and pediatric patient needs

SPECIFICATIONS

	FX05	FX15	FX25	
			R40 (for FX15)	R30 (for FX15)
Hardshell reservoir				
Housing material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Blood flow range				
Venous flow	Min. 0.1 L/min, Max. 1.5 L/min	Min. 0.5 L/min, Max. 5.0 L/min	Min. 0.5 L/min, Max. 4.0 L/min	Min. 0.5 L/min, Max. 7.0 L/min
Cardiotomy inlet	n.a.	Max. 5.0 L/min	Max. 4.0 L/min	Max. 5.0 L/min
Combined flow	n.a.	Max. 5.0 L/min	Max. 4.0 L/min	Max. 7.0 L/min
Blood storage capacity	1000 mL	4000 mL	3000 mL	4000 mL
Minimum operating volume	15 mL	200 mL	70 mL	200 mL
Venous filter material	Polyester screen type Pore size 47 µm	Polyester screen type Pore size 47 µm	Polyester screen type Pore size 47 µm	Polyester screen type Pore size 47 µm
Cardiotomy filter material	Polyester depth type	Polyester depth type	Polyester depth type	Polyester depth type
Defoamer material	Polyurethane foam	Polyurethane foam	Polyurethane foam	Polyurethane foam
Venous blood inlet port	1/4" (6.4 mm) rotatable	1/2" (12.7 mm) rotatable	3/8" (9.5 mm) rotatable	1/2" (12.7 mm) rotatable
Blood outlet port (to pump)	1/4" (6.4 mm)	3/8" (9.5 mm)	3/8" (9.5 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)	Six 1/4" (6.4 mm)	Six 1/4" (6.4 mm)
Vertical port (to CR filter)	n.a.	3/8" (9.5 mm)	3/8" (9.5 mm)	3/8" (9.5 mm)
Quick prime port	1/4" (6.4 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)
Vent port	1/4" (6.4 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)	1/4" (6.4 mm)
Auxiliary port	1/4" – 3/8" (6.4 mm – 9.5 mm)	1/4" – 3/8" (6.4 mm – 9.5 mm)	1/4" – 3/8" (6.4 mm – 9.5 mm)	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	· three filtered luer locks to cardiotomy filter · one non-filtered luer lock · two luer locks on venous inlet	· three filtered luer locks to cardiotomy filter · one non-filtered luer lock · two luer locks on venous inlet	· 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)	-150 mmHg (-20.0 kPa)	-150 mmHg (-20.0 kPa)	-150 mmHg (-20.0 kPa)



CAPIOX® FX05 Oxygenators



CAPIOX® FX15 Oxygenators



CAPIOX® FX25 Oxygenators

▶ Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
FX05 Hollow Fiber Oxygenators with Integrated Arterial Filter		
0.5 m ² surface area, 0.1 – 1.5 L/min flow rate, water inlet on right ¹	CX*FX05E	4
0.5 m ² surface area, 0.1 – 1.5 L/min flow rate, water inlet on left ¹	CX*FX05W	4
0.5 m ² surface area, 0.1 – 1.5 L/min flow rate, with 1 L hardshell reservoir, water inlet on right ¹	CX*FX05RE	4
0.5 m ² surface area, 0.1 – 1.5 L/min flow rate, with 1 L hardshell reservoir, water inlet on left ¹	CX*FX05RW	4
FX15 Hollow Fiber Oxygenators with Integrated Arterial Filter		
1.5 m ² surface area, 0.5 – 5.0 L/min flow rate, water inlet on right ¹	CX*FX15E	4
1.5 m ² surface area, 0.5 – 5.0 L/min flow rate, water inlet on left ¹	CX*FX15W	4
1.5 m ² surface area, 0.5 – 4.0 L/min flow rate, water inlet on right ¹ , 3 L hardshell reservoir	CX*FX15RE30	2
1.5 m ² surface area, 0.5 – 4.0 L/min flow rate, water inlet on left ¹ , 3 L hardshell reservoir	CX*FX15RW30	2
1.5 m ² surface area, 0.5 – 5.0 L/min flow rate, water inlet on right ¹ , 4 L hardshell reservoir	CX*FX15RE40	2
1.5 m ² surface area, 0.5 – 5.0 L/min flow rate, water inlet on left ¹ , 4 L hardshell reservoir	CX*FX15RW40	2
FX25 Hollow Fiber Oxygenators with Integrated Arterial Filter		
2.5 m ² surface area, 0.5 – 7.0 L/min flow rate, water inlet on right ¹	CX*FX25E	4
2.5 m ² surface area, 0.5 – 7.0 L/min flow rate, water inlet on left ¹	CX*FX25W	4
2.5 m ² surface area, 0.5 – 7.0 L/min flow rate, with 4 L hardshell reservoir, water inlet on right ¹	CX*FX25RE	2
2.5 m ² surface area, 0.5 – 7.0 L/min flow rate, with 4 L hardshell reservoir, water inlet on left ¹	CX*FX25RW	2

¹ When blood outlet is facing away from user



Blood outlet port selection
Choose the port configuration that best suits your circuit.

✓ Features

CAPIOX® FX Oxygenators

- Integrated arterial filter with self-venting technology
- Lower priming volume compared to RX oxygenator and separate arterial filter
- Lower surface area and pressure drop compared to RX oxygenator and separate arterial filter
- Superior O₂ transfer performance
- With X Coating™

Xcoating™ is Terumo's own biocompatible hydrophilic polymer surface coating

Holders for FX oxygenators >>>



▶ Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
Holders for FX05 Baby FX Hollow Fiber Oxygenators		
Holder for FX05 oxygenator with hardshell reservoir	XX*CXH05R	1
Holder for FX05 oxygenator without hardshell reservoir.....	XX*CXH05	1
Adapter holder for FX05 oxygenator with hardshell reservoir.....	XX*CXH05AD	1
Holders for FX15 and FX25 Hollow Fiber Oxygenators		
Holder for FX15/FX25 oxygenator with hardshell reservoir, long angled arm	XX*CXH18R	1
Holder for FX15/FX25 oxygenator with hardshell reservoir (short non-angled arm).....	XX*XH032	1
Holder for FX15/FX25 oxygenator without hardshell reservoir	XX*CXH15	1
Modular holder system for FX15/FX25 oxygenator with hardshell reservoir (short arm)	801139	1
Modular holder system for FX15/FX25 oxygenator with hardshell reservoir	801804	1
Extension arm for modular holder system for FX15/FX25 oxygenator with hardshell reservoir.....	801327	1

