



CAPIOX® SX Oxygenators

High-performance hollow fiber oxygenators with detachable hardshell reservoirs designed to meet all patient needs

SPECIFICATIONS

Oxygenator	SX18	SX25
Housing material	Polycarbonate	Polycarbonate
Fiber material	Microporous polypropylene	Microporous polypropylene
Fiber bundle surface area	Approx. 1.8 m ²	Approx. 2.5 m ²
Heat exchanger material	Stainless steel	Stainless steel
Heat exchanger surface area	Approx. 2200 cm ²	Approx. 2200 cm ²
Blood flow range	Min. 0.5 L/min Max. 7.0 L/min	Min. 0.5 L/min Max. 7.0 L/min
Prime volume (static)	270 mL	340 mL
Blood inlet port (from pump)	3/8" (9.5 mm)	3/8" (9.5 mm)
Blood outlet port	3/8" (9.5 mm)	3/8" (9.5 mm)
Cardioplegia port	1/4" (6.4 mm)	1/4" (6.4 mm)
Gas inlet port	1/4" (6.4 mm)	1/4" (6.4 mm)
Gas outlet port	1/4" (6.4 mm) (base: 3/8" with gas vent)	1/4" (6.4 mm) (base: 3/8" with gas vent)
Water ports	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)
Water inlet	42 psi (3 ATM) (289 kPa)	42 psi (3 ATM) (289 kPa)

Hardshell Reservoir

Housing material	Polycarbonate	Polycarbonate
Blood flow range		
Venous flow	0.5 – 4.0 L/min	0.5 – 4.0 L/min
Cardiotomy inlet	Max. 5.0 L/min	Max. 5.0 L/min
Combined flow	Max. 7.0 L/min	Max. 7.0 L/min
Blood storage capacity	4000 mL	4000 mL
Minimum operating volume	200 mL	200 mL
Venous filter material	Polyester screen pore size 47 microns	Polyester screen pore size 47 microns
Cardiotomy filter material	Polyester	Polyester
Cardiotomy filter efficiency	Removes 90% or more of particles with ≥ 20 micron diameter	Removes 90% or more of particles with ≥ 20 micron diameter
Defoamer material	Polyurethane foam	Polyurethane foam
Venous blood inlet port	1/2" (12.7 mm) rotatable	1/2" (12.7 mm) rotatable
Blood outlet port (to pump)	3/8" (9.5 mm)	3/8" (9.5 mm)
Suction ports	Six 1/4" (6.4 mm)	Six 1/4" (6.4 mm)
Vertical port to CR filter	3/8" (9.5 mm)	3/8" (9.5 mm)
Quick prime port	1/4" (6.4 mm)	1/4" (6.4 mm)
Vent port	1/4" (6.4 mm)	1/4" (6.4 mm)
Auxiliary port	Stepdown port 3/8" to 1/4"	Stepdown port 3/8" to 1/4"
Luer ports	· Four filtered luer locks to cardiomy filter · one non-filtered luer lock · two luer locks on venous inlet	· four filtered luer locks to cardiomy filter · 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)



CAPIOX® SX18 Oxygenators



CAPIOX® SX25 Oxygenators

▶ Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
SX18 Hollow Fiber Oxygenators		
1.8 m ² surface area, 0.5 – 7.0 L/min flow rate, with X Coating™	CX*SX18X	4
① 1.8 m ² surface area, 0.5 – 7.0 L/min flow rate with 4 L hardshell reservoir	CX*SX18R	4
② 1.8 m ² surface area, 0.5 – 7.0 L/min flow rate with 4 L hardshell reservoir, with X Coating™	CX*SX18RX	4
SX25 Hollow Fiber Oxygenators		
① 2.5 m ² surface area, 0.5 – 7.0 L/min flow rate, with X Coating™	CX*SX25X	4
② 2.5 m ² surface area, 0.5 – 7.0 L/min flow rate with 4 L hardshell reservoir	CX*SX25R	4
③ 2.5 m ² surface area, 0.5 – 7.0 L/min flow rate with 4 L hardshell reservoir, with X Coating™	CX*SX25RX	4

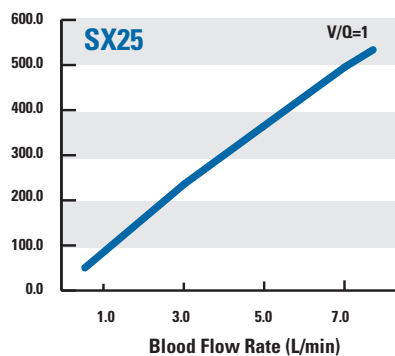
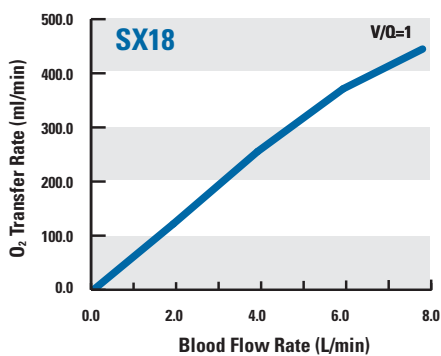
✓ Features

CAPIOX® SX Oxygenators

- Terumo's exclusive hollow fiber
- Low prime volume
- Low minimum operating volume for hardshell venous reservoir
- Large reservoir capacity
- Consistent, easy-to-use design
- One holder fits all oxygenators
- Audible level alarm (optional)
- Venous reservoir FDA approved for VAVD
- Available with X Coating™

PERFORMANCE DATA O₂ TRANSFER (IN VITRO)

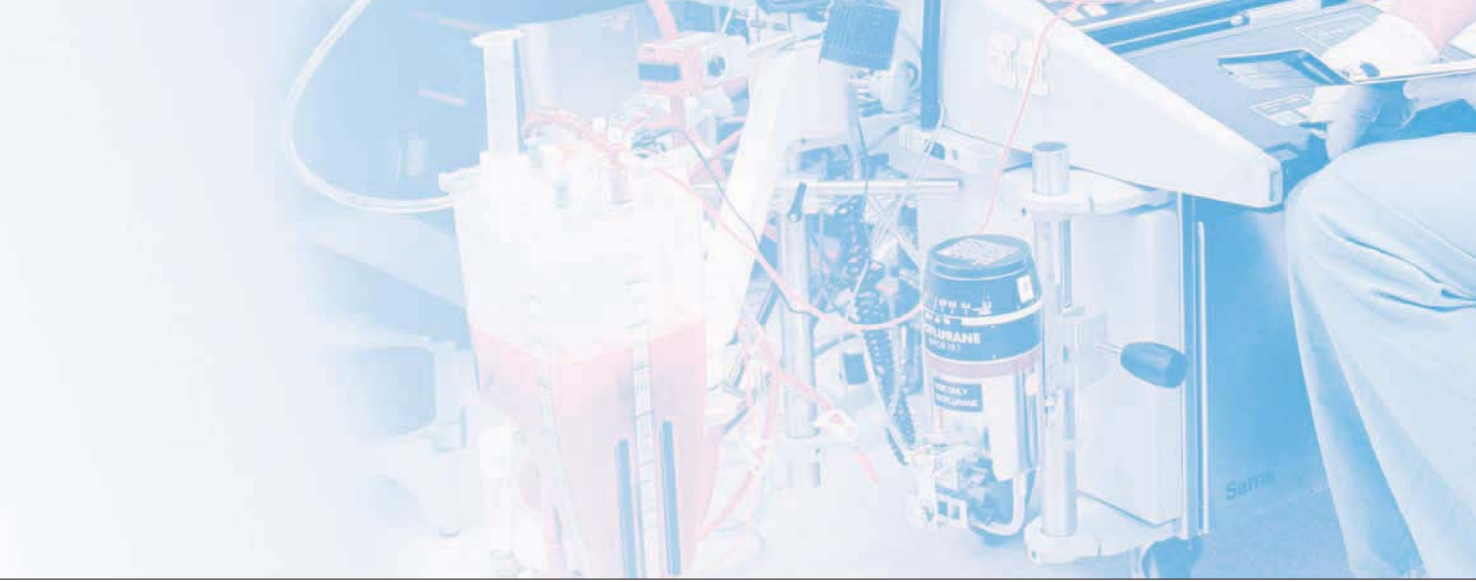
Conditions: Blood: Bovine Hb: 12±1g/dL SvO₂: 65±5% PvCO₂: 45±5 mmHg B.E.: 0±5mEq/L Temp.: 37±1°C



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

Holders for SX oxygenators >>>

① standard item – delivery from stock





▶ Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
Holders for SX Hollow Fiber Oxygenators		
Holder for SX oxygenators with hardshell reservoir (long angled arm).....	XX*CXH18R	1
Holder for SX oxygenators without hardshell reservoir	XX*CXH18	1
Holder for SX oxygenators with hardshell reservoir (short non-angled arm)	XX*XH032	1
Modular holder system for SX oxygenators with hardshell reservoir (short arm)	801139	1
Modular holder system for SX oxygenators with hardshell reservoir	801804	1
Extension arm for modular holder system for SX oxygenators with hardshell reservoir	801327	1





Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
ACCESSORIES FOR OXYGENATION SYSTEMS		
Temperature monitoring systems		
Luer design thermistor for CAPiox® Oxygenators	CX*TL	10
 Red lead wire for CAPiox® Oxygenators	CX*BP022	10
 Blue lead wire for CAPiox® Oxygenators	CX*BP021	10
Vacuum-assisted venous drainage kit		
Tubing kit including moisture trap and positive and negative pressure relief valves	CX-FAC01	30
Sampling manifold		
Holder for sampling manifold	XX*XH051	1
Water fittings		
Hansen fitting for 1/2" water line, straight, two required	131086	1
Hansen fitting for 1/2" water line, right angle, two required	131078	1