

Membrane Oxygenator

oxia™ ACF/AC-N

FEATURE

Simple and Compact

◆ Effectiveness

Efficient gas exchange performance.

◆ Compact

Reduce foreign material contact area, filling volume, and pressure loss.

◆ Simple and Flexibility

Simple circuit configuration and optimal layout.

◆ Originality

Easier setup.



oxia™ ACF



oxia™ AC-N

Reservoir for oxygenator

◆ Operability

- Collection of ports and placement on the operator's side.
- Improve liquid response due to extended filter area and bag-like structure.

◆ Stirring

- Improve agitation by optimizing filter structure.



Legacoat™

Coated with MPC polymer having excellent blood compatibility

MPC polymer simulates the structure of phospholipid polar group in biological cell membrane and is a synthesized polymeric material polymer which shows antithrombotic property by suppressing adsorption and denaturation of protein.

SPECIFICATION

◎ oxia™ ACF

Product Number	From	Package
797110300	Membrane Oxygenator ONLY	1Pcs
797130600	Integrated Membrane Oxygenator and Reservoir	1Pcs
797130800	Integrated Membrane Oxygenator and Reservoir	1Pcs
797120400	Reservoir ONLY	1Pcs

◎ oxia™ AC-N

Product Number	From	Package
797110200	Membrane Oxygenator ONLY	1Pcs
797130700	Integrated Membrane Oxygenator and Reservoir	1Pcs
797130300	Integrated Membrane Oxygenator and Reservoir	1Pcs
797120400	Reservoir ONLY	1Pcs

Item	Specification			
	oxia™ ACF		oxia™ AC-N	
Operating blood flow rate range (L/min)	1.0 ~ 7.0			
Blood filling volume (mL)	245		195	
Membrane area (m ²)	About 1.7			
Heat exchange area (m ²)	About 0.1			
Blood path max. pressure resistance strength (kPa)	67 (500 mmHg)			
Heat exchange water path max. pressure resistance strength (kPa)	127 (1.3kgf/cm ²)			
Port	Quantity	Applicable Tube I.D.	Quantity	Applicable Tube I.D.
Blood inlet port (mm)	1	9.5 ~ 10	1	9.5 ~ 10
Blood outlet port (mm)	1	9.5 ~ 10	1	9.5 ~ 10
Gas inlet port (mm)	1	6.0 ~ 6.4	1	6.0 ~ 6.4
Gas outlet port (mm)	1	8	1	8
Blood sampling port	1	-	1	-
Arterial blood port (mm)	1	6.0 ~ 6.4	-	-
Heat exchanger luer port (Air purge port)	1	-	1	-
Filter luer port (Air purge port)	1	-	-	-
Cold and hot water port (mm)	2	12.7 (Can be connected to a coupler)	2	12.7 (Can be connected to a coupler)
Thermometer	1	-	1	-
Surface treatment	Legacoat™			

SPECIFICATION

Item		Specification			
		Without conversion connector		With conversion connector	
Venous blood side Operating blood flow rate range (L/min)		1.0 ~ 7.0		1.0 ~ 5.0	
Intracardiac blood side Operating blood flow rate range (L/min)		0.1 ~ 5.0			
Max. blood storage volume (mL)		4000			
Min. blood storage volume (mL)		150		100	
Max. operating negative pressure (kPa)		-20 (-150 mmHg)			
Intracardiac blood filter filtration screen opening size (μm)		40			
Port		Quantity	Applicable Tube I.D.	Quantity	Applicable Tube I.D.
Venous blood inlet port (mm)		1	12~ 12.7	1	9.5 ~ 10
Blood outlet port (mm)		1	9.5 ~ 10	1	9.5 ~ 10
Intracardiac blood inlet port (mm)		6	6.0 ~ 6.4	6	6.0 ~ 6.4
Rapid filling port (mm)		1	6.0 ~ 6.4	1	6.0 ~ 6.4
		1	9.5 ~ 10	1	9.5 ~ 10
Service port (mm)		1	6.0 ~ 6.4	1	6.0 ~ 6.4
		1	9.5 ~ 10	1	9.5 ~ 10
Ben port and negative pressure aspiration port (mm)		1	6.0 ~ 6.4	1	6.0 ~ 6.4
Luer port	Inside intracardiac blood filter	4	-	4	-
	Inside venous blood defoaming	2	-	2	-
	Attached directly to venous blood inlet port	3	-	3	-
Thermometer		1	-	1	-
Over-positive pressure protection valve		1	-	1	-
Surface treatment		Legacoat™			