

Dideco D903 Avant

with Dual Chamber Reservoir



Innovation, Safety, Performance, Control.....Avant

The next generation reservoir and oxygenator has arrived:

- Isolated chamber for cardiotomy sequestration
- Bottom entry venous reservoir for safety and performance
- Connection valve to direct suction blood where it's needed
- High performance gas transfer
- Unique cardioplegia access port
- Dual flow rate purge/recirculation valve
- 4700 ml total reservoir capacity
- 2.0 m² membrane surface area
- 8 LPM maximum flow

Available with



COBE
Cardiovascular

A SORIN GROUP COMPANY

Dideco Avant Oxygenator

Technical Specifications

Avant Membrane Oxygenator

Maximum Blood Flow Rate: 8 LPM
 Priming Volume: 310 ml
 Static Prime Volume (Post Use Recovered): 270 ml
 Gas Flow Range: 0.5 - 16 LPM
 Blood Path Pressure Rating: 750 mm Hg (100 kPa)

Membrane

Membrane Surface Area: 2.0 m²
 Configuration: Hollow Fiber (blood outside fiber)
 Membrane Material: Micro porous Polypropylene

Heat Exchanger

Material: Stainless Steel
 Surface Area: 0.17 m²
 Water Path Pressure Rating: 44 psi (300 kPa)

Avant Dual Chamber Reservoir Cardiomy Sequestration Chamber

Filtration Efficiency: >90% at 30 microns
 Maximum Capacity: 1200 ml

Venous Return Chamber

Maximum Blood Flow Rate: 8 LPM
 Maximum Capacity: 3500 ml

Ports:

Cardiomy Sequestration Chamber:

Filtered

Cardiomy Inlet: Four 1/4 in (6.4 mm)
 Two 3/8 in (9.5 mm)
 Five Luer Locks

Quick Prime One 1/4 in (6.4 mm) via Pos-lock connector

Venous Return Chamber

Venous Inlet One 1/2 in (12.7 mm)
 Unfiltered Up to Four 1/4 in (6.4 mm) via Pos-lock connectors
 Venous Sample One luer lock, integral with venous inlet

Other

Outlet One 3/8 in (9.5 mm)
 Cardioplegia One 1/4 in (6.4 mm) via Pos-lock connector
 Water Two Hansen quick connect

Fittings:

Arterial Temperature: YSI Series 400

Ordering Information

Avant Membrane and Reservoir
 Avant Bracket with integral water connections

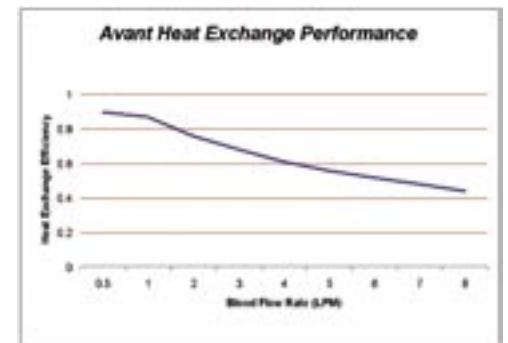
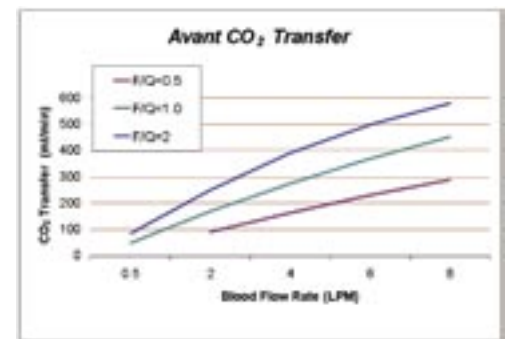
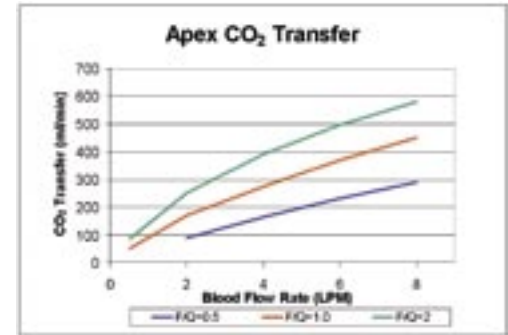
Catalog Number

5305
 5041

Caution: Federal law (USA) restricts this device to sale by or on the order of a physician. Please read the Instructions For Use carefully prior to clinical applications. To aid in the prevention of gas or particulate embolization, COBE Cardiovascular recommends the use of safety devices, including level sensors, bubble detectors, arterial filters, and prebypass filters, for all cardiopulmonary bypass procedures.

© 2004 COBE Cardiovascular, Inc.

© COBE Cardiovascular, Inc. is a registered trademark of COBE Laboratories and is used under license.



Testing was performed with bovine blood at standard AAMI conditions and at a barometric pressure of 625 +/- 10 mm Hg. Mean values are shown for comparison purposes only and may not represent clinical performance.

COBE

Cardiovascular

A SORIN GROUP COMPANY

COBE Cardiovascular, Inc.

14401 W. 65th Way
 Arvada, CO 80004-3599 USA
 Phone: 800-221-7943 • Fax: 800-323-4031

Sorin Biomedica Canada, Inc.

44 East Beaver Creek Rd., Unit #15
 Richmond Hill, Ontario
 L4B 1G8 Canada
 Phone: 905-889-0002 • Fax: 905-889-0009

COBE Cardiovascular Australia, Pty, Ltd.

16-18 Hydrive Close
 Dandenong South, VIC 3174
 Australia, Phone: 61-3-97997444 • Fax: 61-3-97997111