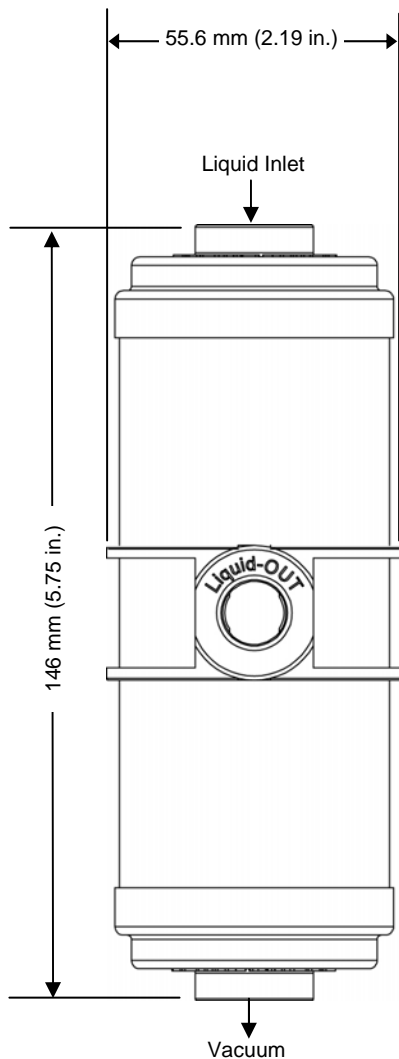


## 2 x 6 RADIAL FLOW SuperPhobic® PRODUCT DATA SHEET

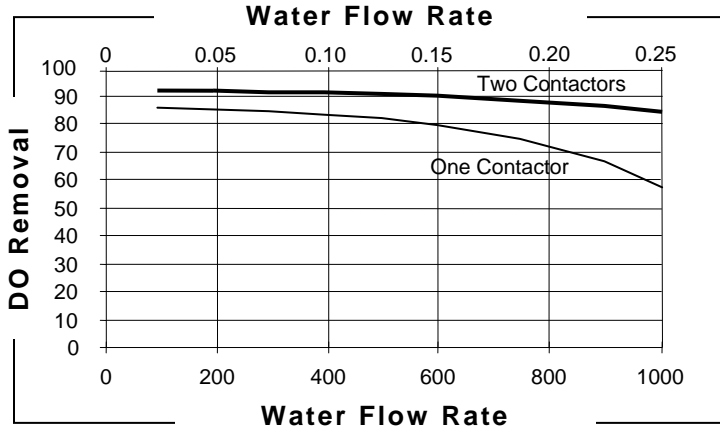


NOTE: All dimensions are nominal values

Cartridge Characteristics	
Cartridge Configuration	No Baffle Radial Flow
Liquid Flow Guidelines (one cartridge)	100 ml/min – 1 liter/min (0.03 – 0.26 gpm) Liquid must flow on the shellside
Membrane/Potting Material	Polyolefin / Polyethylene
Typical Membrane Surface Area	0.50 m <sup>2</sup> (5.4 ft <sup>2</sup> )
Maximum Working Temperature/Pressure (Using 50 mm vacuum on lumenside)	25°C, 4.2 kg/cm <sup>2</sup> (4.1 bar) 50°C, 1.1 kg/cm <sup>2</sup> (1.03 bar) (77°F, 60 psig) (122°F, 15 psig)
Priming Volume (approximate)	
Shellside	80 ml
Housing Characteristics	
Material	Black Polyethylene
Connections	
Shellside (Liquid Inlet/Outlet)	1/4 inch NPT Female
Lumenside (vacuum)	1/4 inch NPT Female
Weight	
Dry	0.17 kg (0.37 lbs.)
Liquid full (shellside)	0.25 kg (0.55 lbs.)
Shipping weight	0.32 kg (0.70 lbs.)

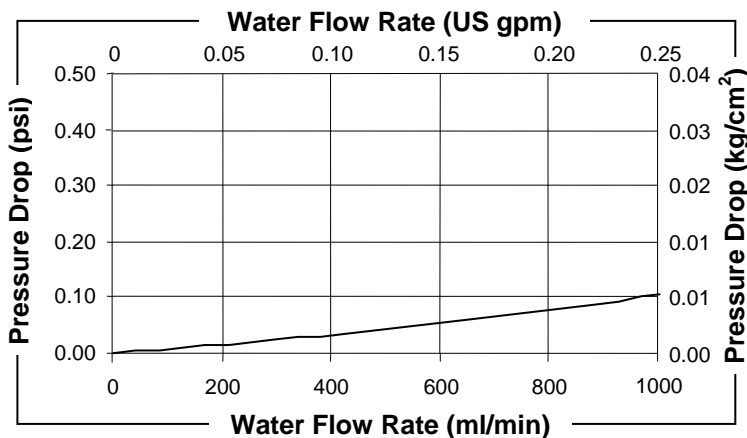
All components of the 2 x 6 SuperPhobic Membrane Contactor manufactured after 2006, when used in accordance with recommendations given in our product literature at and below ambient temperatures, are in compliance with all relevant FDA regulations as specified in Title 21 of the Code of Federal Regulations.

**2 x 6 PRODUCT DATA SHEET**



Cartridge Specifications		
Characteristics	Test Conditions	Specifications
Performance O <sub>2</sub> Removal	Shellside water flow: 500ml/min, 20°C (68°F) Lumenside: 50 torr vacuum	72% minimum
Pressure Drop	Shellside water flow: 500ml/min, 20°C	0.6 psi maximum

Operating Conditions: 25°C with 50 torr vacuum



This product is to be used only by persons familiar with its use. It must be maintained within the stated limitations. All sales are subject to Seller's terms and conditions. Purchaser assumes all responsibility for the suitability and fitness for use as well as for the protection of the environment and for health and safety involving this product. Seller reserves the right to modify this document without prior notice. Check with your representative to verify the latest update. To the best of our knowledge the information contained herein is accurate. However, neither Seller nor any of its affiliates assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material and whether there is any infringement of patents, trademarks, or copyrights is the sole responsibility of the user. Users of any substance should satisfy themselves by independent investigation that the material can be used safely. We may have described certain hazards, but we cannot guarantee that these are the only hazards that exist.

Liqui-Cel, Celgard, SuperPhobic and MiniModule are registered trademarks and NB is a trademark of Membrana-Charlotte, A division of Celgard, LLC and nothing herein shall be construed as a recommendation or license to use any information that conflicts with any patent, trademark or copyright of Seller or others.

©2008 Membrana – Charlotte A Division of Celgard, LLC

(D82\_Rev10\_04-08 2x6 SP)



ISO 9001:2000  
ISO 14001:2004

**Membrana - Charlotte**  
A Division of Celgard, LLC  
13800 South Lakes Drive  
Charlotte, North Carolina 28273  
USA  
Phone: (704) 587 8888  
(800) 235 4273  
Fax: (704) 587 8585

**Membrana GmbH**  
Oehder Strasse 28  
42289 Wuppertal  
Germany  
Phone: +49 202 6099 - 658  
Phone: +49 6126 2260 - 41  
Fax: +49 202 6099 - 750

**Japan Office**  
Shinjuku Mitsui Building, 27F  
1-1, Nishishinjuku 2-chome  
Shinjuku-ku, Tokyo 163-0427  
Japan  
Phone: 81 3 5324 3361  
Fax: 81 3 5324 3369

**MEMBRANA**  
MEMBRANA  
Underlining Performance

[www.liqui-cel.com](http://www.liqui-cel.com)

A **POLYPORE** Company