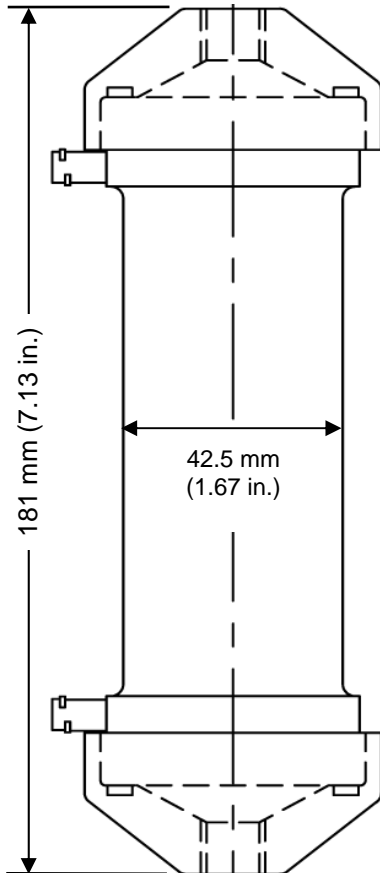


## 1.7 x 5.5 MiniModule® PRODUCT DATA SHEET



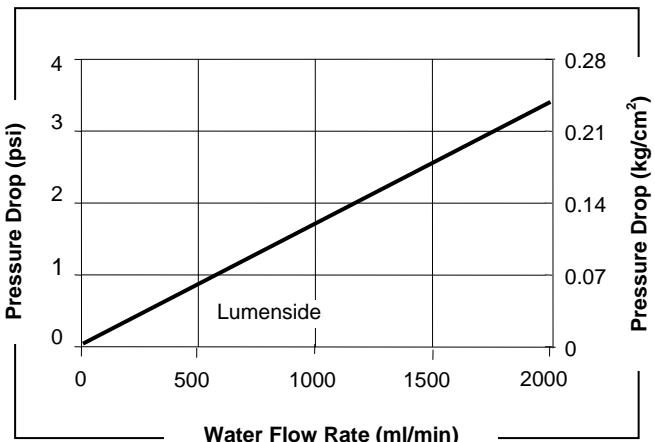
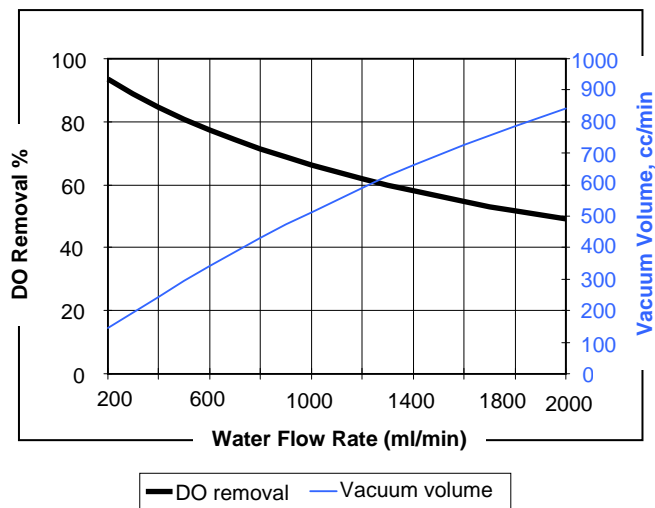
FNPT Connections

Note: All dimensions are nominal values.

Contactor Characteristics	
	<b>1.7 x 5.5</b>
<b>Cartridge Configuration</b>	Parallel Flow. Lumenside Liquid Flow.
<b>Liquid Side Flow Guidelines</b>	<2500 ml/min (0.66 gpm)
<b>Membrane</b>	X50 Fiber
Porosity	40% Porosity
OD / ID	300µm OD/220µm ID
<b>Potting Material</b>	Polyurethane
<b>Active Surface Area</b>	ID: 0.58 m <sup>2</sup> (6.24 ft <sup>2</sup> )
<b>Number of Fibers</b>	7400
<b>Maximum Temperature/Pressure</b>	4.2 kg/cm <sup>2</sup> (4.1 bar, 60 psig) at 25°C (77°F) 45°C (113°F) at 3.2 kg/cm <sup>2</sup> (3.1 bar, 45 psig)
<b>Priming Volume (approximate)</b>	Lumenside 53 ml Shellside 78 ml
Housing Characteristics	
<b>Material</b>	Polycarbonate
<b>Flange Connections</b>	
Shellside (Gas / Vacuum)	Standard Female Luer Lock <i>Supplied with two ¼ inch Hosebarb adaptors which mate to ¼ inch ID tubing</i>
Lumenside (Wetted Surface)	1/4 inch FNPT
Seal Options	
<b>Material</b>	<b>Applications</b>
EPDM (ANSI / NSF61, FDA CFR Title Compliant)	General Purpose
Weight	
<b>Dry</b>	0.19 kg (0.43 lbs.)
<b>Liquid Full (Lumenside)</b>	0.26 kg (0.57 lbs.)
<b>Shipping Weight</b>	0.34 kg (0.75 lbs.)

All components of the MiniModule® Membrane Contactor, when used in accordance with recommendations given in our product literature for treatment or processing of water, non-alcoholic beverages, and aqueous, acid and non-acid food products at and below ambient temperatures, are in compliance with all relevant FDA regulations as specified in Title 21 of the Code of Federal Regulations.

## 1.7 x 5.5 MiniModule® PRODUCT DATA SHEET



Curves represent nominal values, generated using water on the Lumenside at 20°C with 50 Torr of vacuum drawn on both Shellside ports. We have plotted a vacuum volume guideline that is based on a flow rate at 20°C. Characteristics may change under different operating conditions.

Contactor Specifications		
Characteristics	Test Conditions	Specifications
Performance O2 Removal	Lumenside water flow: 1000 ml/min, 20°C	60% minimum
Pressure Drop	Lumenside water flow: 1000 ml/min, 20°C	3.0 psi maximum

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.

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**Membrana - Charlotte**  
A Division of Celgard LLC  
13800 South Lakes Drive  
Charlotte, North Carolina 28273  
USA  
Phone: (704) 587 8888  
Fax: (704) 587 8610

**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

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