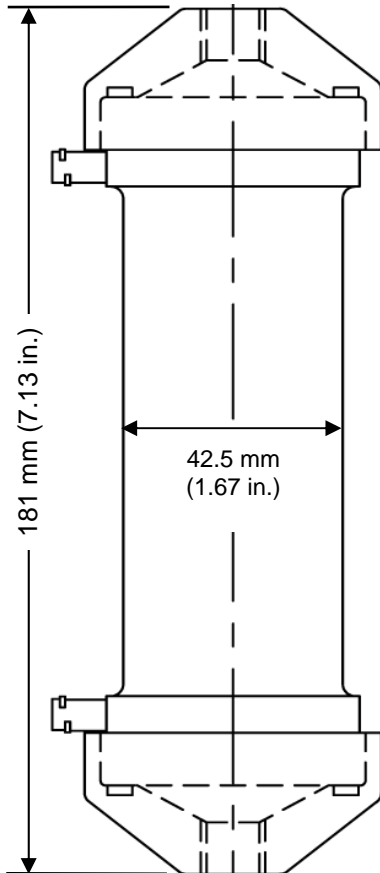


1.7 x 5.5 MiniModule® PRODUCT DATA SHEET



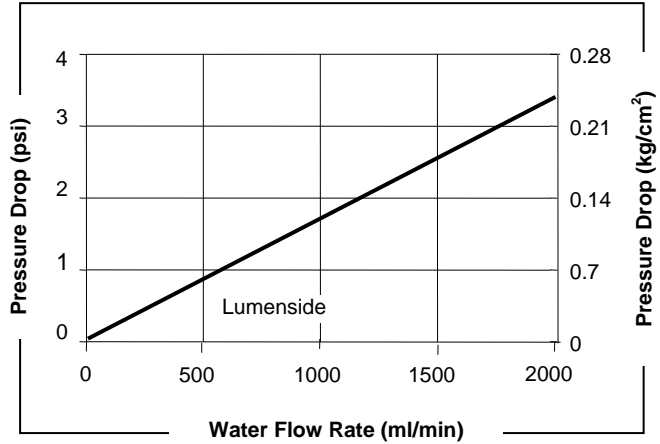
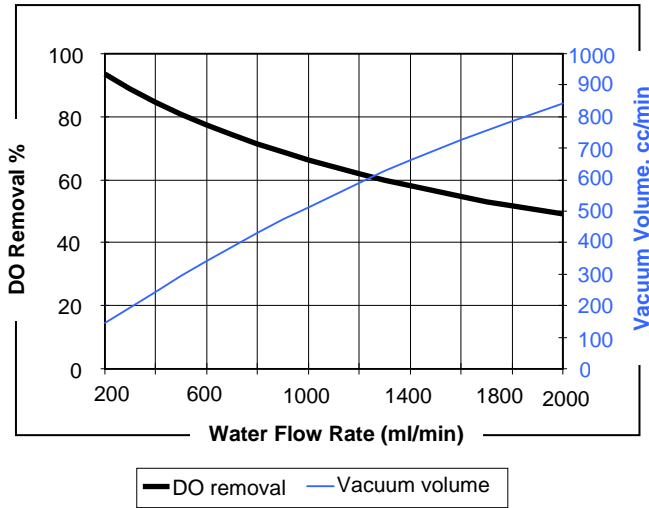
FNPT Connections

Note: All dimensions are nominal values.

Contactor Characteristics	
	1.7 x 5.5
Cartridge Configuration	Parallel Flow. Lumenside Liquid Flow.
Liquid Side Flow Guidelines	<2500 ml/min (0.66 gpm)
Membrane	X50 Fiber
Porosity	40% Porosity
OD / ID	300µm OD/220µm ID
Potting Material	Polyurethane
Active Surface Area	ID: 0.58 m ² (6.24 ft ²)
Number of Fibers	7400
Maximum Temperature/Pressure	4.2 kg/cm ² (4.1 bar, 60 psig) at 25°C (77°F) 45°C (113°F) at 3.2 kg/cm ² (3.1 bar, 45 psig)
Priming Volume (approximate)	Lumenside 53 ml Shellside 78 ml
Housing Characteristics	
Material	Polycarbonate
Flange Connections	
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	
Material	Applications
EPDM (ANSI / NSF61, FDA CFR Title Compliant)	General Purpose
Weight	
Dry	0.19 kg (0.43 lbs.)
Liquid Full (Lumenside)	0.26 kg (0.57 lbs.)
Shipping Weight	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 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

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