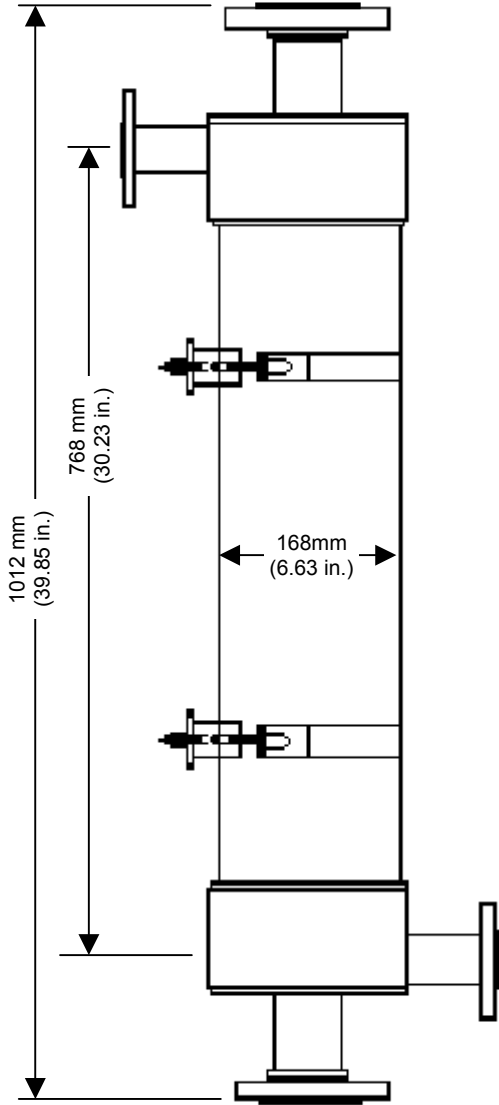


# 6x28 EXTRA-FLOW PRODUCT DATA SHEET



**Liqui-Cel®**

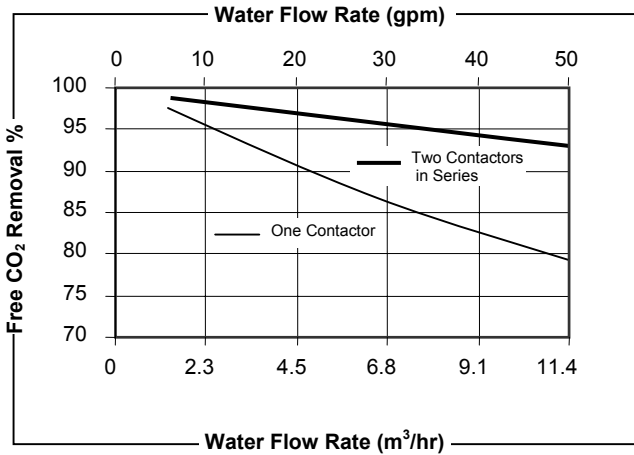
Membrane Contactors



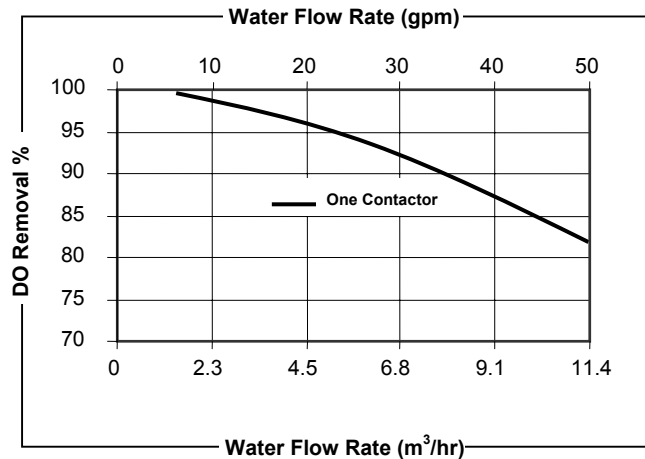
Cartridge Characteristics	
Cartridge Configuration	Extra-Flow with center baffle
Liquid Flow Guidelines (one cartridge)	1-11 m <sup>3</sup> /hr (5-50 gpm)
Membrane	<b>X50 Fiber</b>
Porosity	~ 40%
OD / ID	300 / 220 micron
Membrane/Potting Material	Polypropylene / Epoxy
Typical Membrane Surface Area	42 m <sup>2</sup> (452 ft <sup>2</sup> )
Maximum Shellside Working Temperature/Pressure <i>[Using 50 mm vacuum on Lumenside. Add 1.05 kg/cm<sup>2</sup> (15 psig) when vacuum is not used.]</i>	60°C, 2.1 kg/cm <sup>2</sup> 25°C, 7.38 kg/cm <sup>2</sup> (140°F, 30 psig) (77°F, 105 psig)
Priming Volume	Shellside 6.7 liters (1.8 gal.) Lumenside 2.6 liters (0.7 gal.)
Housing Characteristics	
Material	ABS
Flange Connections	
Shellside (Wetted surface)	<ul style="list-style-type: none"> <li>2 inch class 150 raised face flange per ANSI B16.5</li> <li>50A at 10K flat face flange per JIS B2238</li> </ul>
Lumenside	<ul style="list-style-type: none"> <li>1 inch class 150 raised face flange per ANSI B16.5</li> <li>25A at 10K flat face flange per JIS B2238</li> </ul>
Weight	
Dry	10.4 kg. (23 lbs.)
Liquid full (shellside)	17.1 kg. (37.7 lbs.)
Shipping weight without mounting kit	16.8 kg. (37 lbs.)
Shipping weight with mounting kit	19.1 kg. (42 lbs.)

**NOTE:** All dimensions are nominal values. Clamps are sold separately in mounting kit.

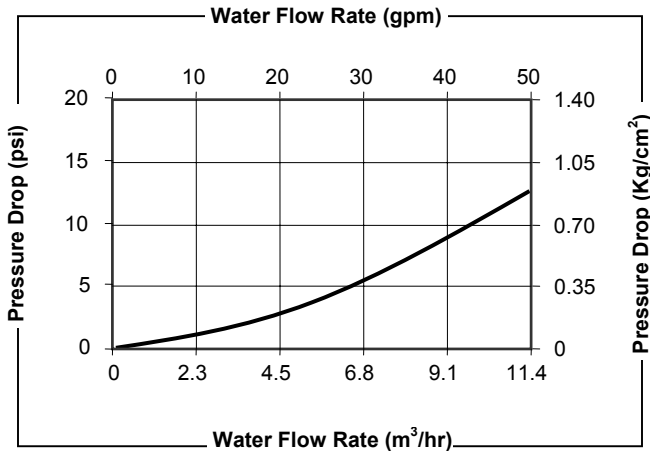
All components of the 6x28 Liqui-Cel® Extra-Flow Membrane Contactor, when used in accordance with recommendations given in our product literature for treatment or processing of water, non-alcoholic beverages, and aqueous, acid and non-acid food products at and below ambient temperatures, are in compliance with all relevant FDA regulations as specified in Title 21 of the Code of Federal regulations.



Test Conditions: Air Sweep Mode, G/L = 5, 25 °C



Test Conditions: 1 scfm N<sub>2</sub> Sweep, 20 °C



Cartridge Specifications		
Characteristics	Test Conditions	Specifications
Performance O <sub>2</sub> Removal	Shellside water flow: 27 gpm, 20°C (68°F) Lumenside N <sub>2</sub> Flow: 1 scfm	88% minimum
Pressure Drop	Shellside water flow: 27 gpm, 20°C (68°F)	5.26 psi maximum

Curves represent nominal values. Characteristics may change under different operating conditions.

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 use and safety of 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 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 Celgard Inc.

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Underlining Performance

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