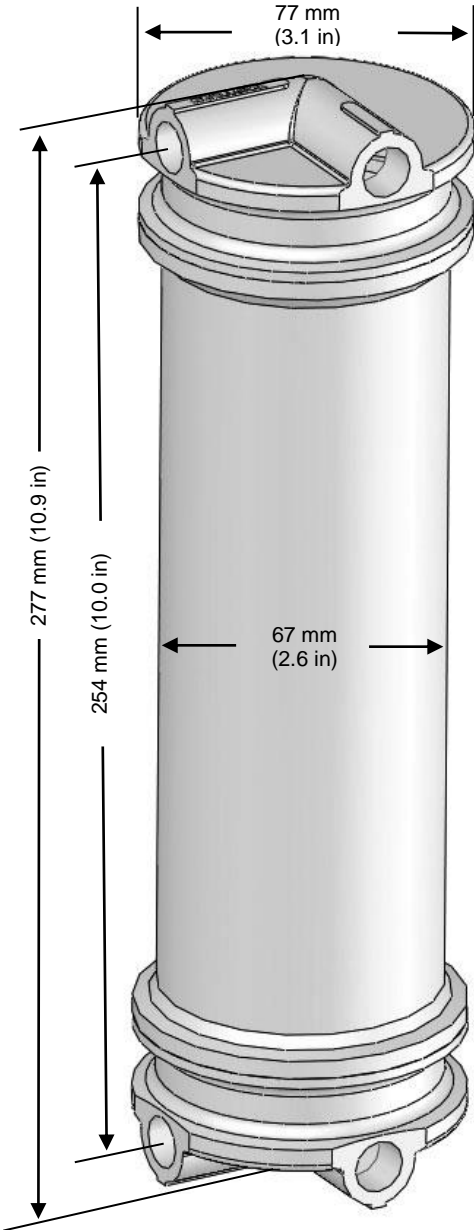


## 2.5 x 8 EXTRA-FLOW PRODUCT DATA SHEET



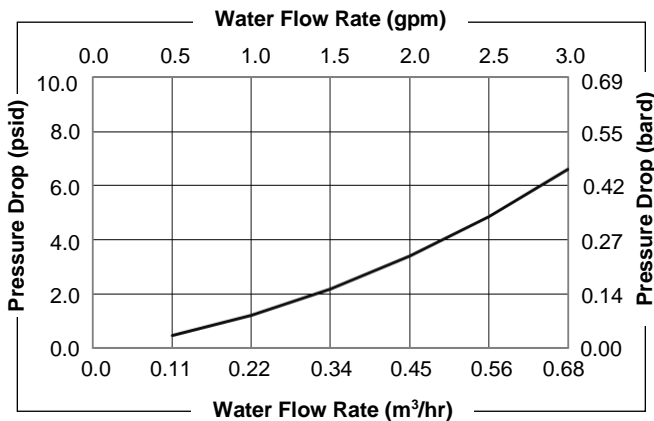
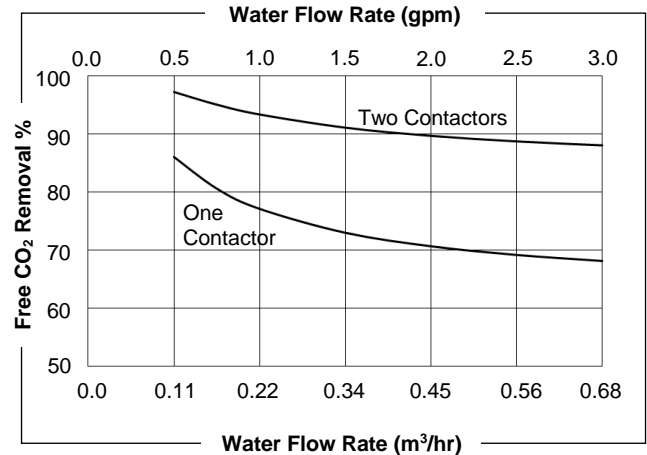
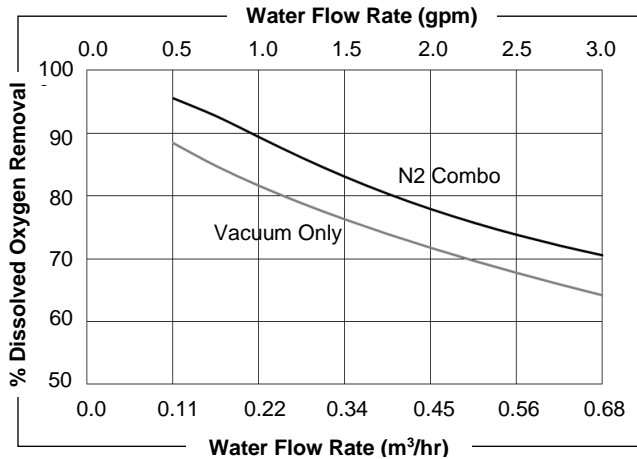
Clamp-free version with NPT connections

Note: All dimensions are nominal values for contactors with NPT connections. Overall length with Flaretek® connections increases. See [www.liqui-cel.com](http://www.liqui-cel.com) for all housing drawings.



Membrane Characteristics	
Cartridge Configuration	Extra-Flow with Center Baffle
Liquid Flow Guidelines	0.1 – 0.7 m <sup>3</sup> /hr (0.5 – 3.0 gpm)
Membrane Type	<b>X50 Fiber</b> <b>X40 Fiber</b>
	Recommended for CO <sub>2</sub> removal from liquid and other gas transfer applications      Recommended for O <sub>2</sub> removal from liquid and other gas transfer applications
Membrane/Potting Material	Polypropylene / Polyethylene
Typical Membrane Surface Area	1.4 m <sup>2</sup> (15 ft <sup>2</sup> )
Priming Volume (approximate)	
Shellside	0.40 L (0.11 gal)
Lumenside	0.15 L (0.04 gal)
Pressure Guidelines*	
	<b>X50 or X40 Fiber</b>
Maximum Shellside <u>LIQUID</u> Working Temperature/ Pressure	5-40° C, 7.2 barg (41-104° F, 105 psig) 70° C, 2.1 barg (158° F, 30 psig)
If no vacuum is used, 1 barg (15 psig) can be added to pressures above.	
Maximum Applied Gas Pressure	4.8 barg at 25° C (70 psig at 77° F)
Max applied gas pressure is for integrity testing at ambient temperatures. Normal operating pressures are typically lower.	
Maximum Lumenside Liquid Temperature/Pressure of Semibody Contactor	5° C, 6.2 barg (41° F, 90 psig) 15-25° C, 4.8 barg (59-77° F, 70 psig) 70° C, 1.0 barg (158° F, 15 psig)
* See Operating Guide for complete temp/pressure limits for housings and membrane. Note: Liquid pressure should always exceed gas pressure, including during start-up and shut-down procedures.	
Housing Options and Characteristics	
Material	Polypropylene
Flange Connections	
Shellside (Liquid Inlet/Outlet)	<ul style="list-style-type: none"> <li>• ¼ inch NPT female</li> <li>• ¾ inch Flaretek® (nut included)</li> <li>• ½ inch Flaretek® (nut included)</li> </ul>
Lumenside	<ul style="list-style-type: none"> <li>• ¼ inch NPT female</li> </ul>
Seal Options	
Material	Applications
K - UPW	Ultra Pure Water
Viton	General Purpose
K - EXT	Chemical Extraction (Clamped version only)
Weight (approximate)	
Dry	0.5 kg (1.1 lbs)
Liquid full (shellside)	0.9 kg (2.0 lbs)
Shipping weight	1.2 kg (2.4 lbs)
Regulatory	
Complies with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC. Constructed of FDA CFR title 21 compliant materials for wetted parts only at ambient temperatures.	

## 2.5 x 8 EXTRA-FLOW PRODUCT DATA SHEET



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

Test condition O<sub>2</sub> Removal with X40 membrane 20° C: N<sub>2</sub> vacuum combo mode, N<sub>2</sub> sweep flow rate: 0.05 scfm and 50 mm Hg vacuum. Vacuum mode: 50 mm Hg

Test condition CO<sub>2</sub> Removal with X50 membrane 25° C: Air-combo, vacuum 150 mm Hg, air sweep G/L 0.5.

Pressure drop curves using NPT connection. Flaretek<sup>®</sup> connection will have lower pressure drop.

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