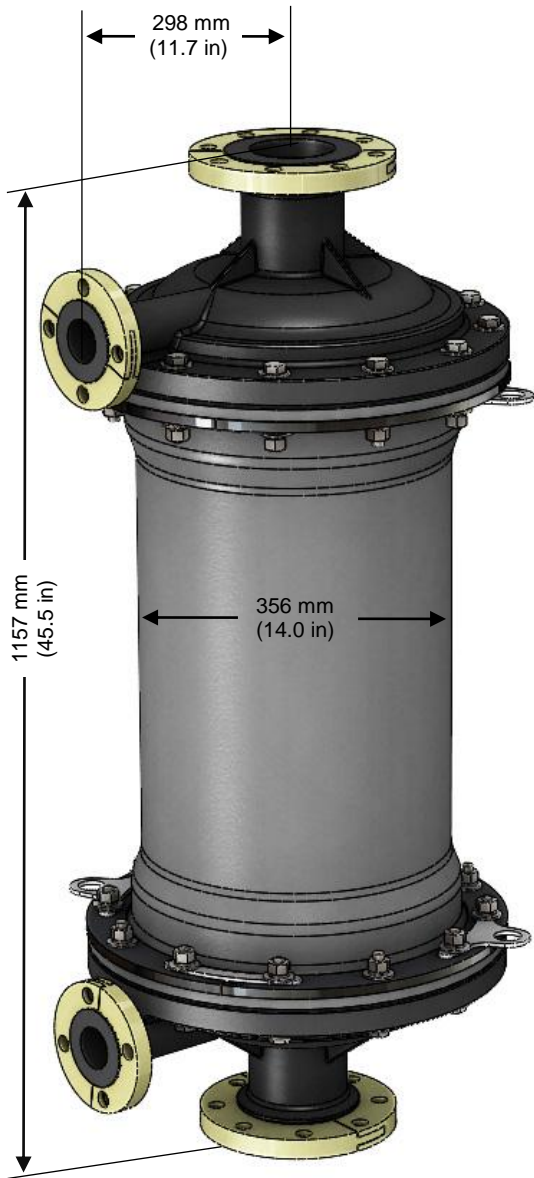


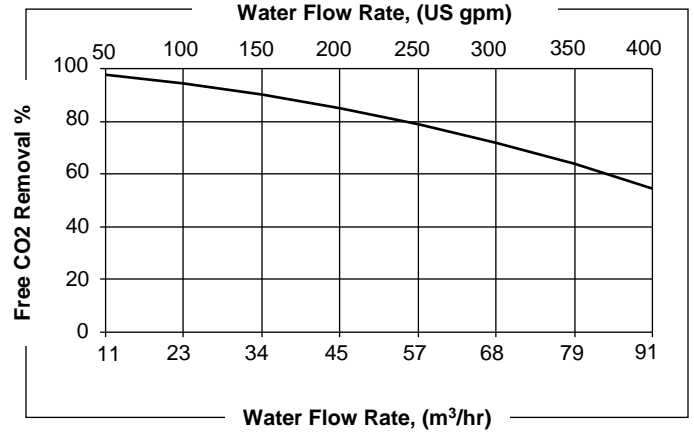
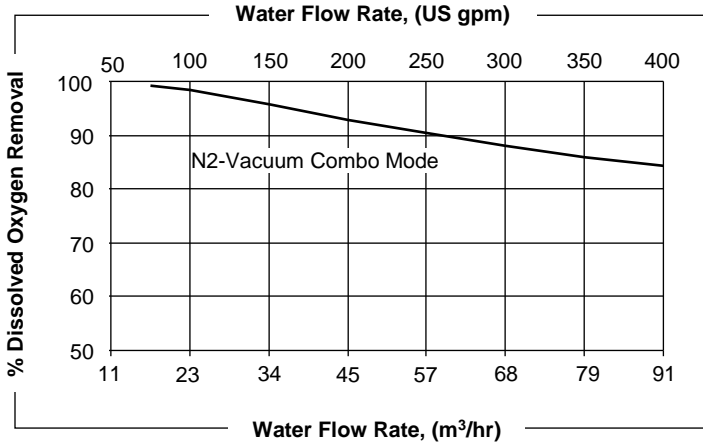
# 14 x 28 EXTRA-FLOW PRODUCT DATA SHEET



**NOTE:** All dimensions are nominal

Membrane Characteristics			
Cartridge Configuration	Extra-Flow with Center Baffle		
Liquid Flow Guidelines	16- 91 m <sup>3</sup> /hr (70 – 400 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 / Epoxy		
Typical Membrane Surface Area	220 m <sup>2</sup> (2370 ft <sup>2</sup> )		
Priming Volume (approximate)	<b>X50 Fiber</b>	<b>X40 Fiber</b>	
	Shellside	35.4 L (9.3 gal)	37.3 L (9.9 gal)
	Lumenside	23.8 L (6.3 gal)	23.0 L (6.1 gal)
Pressure Guidelines*			
	<b>X50 or X40 Fiber</b>		
Maximum Shellside <b>LIQUID</b> Working Temperature/Pressure	5-25° C, 7.2 barg (41-77° F, 105 psig)		
	50° C, 2.1 barg (122° F, 30 psig)		
If no vacuum is used, 1.0 barg (15 psig) can be added to pressures above.			
Maximum Applied Gas Pressure	4.1 barg at 25° C (60 psig at 77° F)		
Max applied gas pressure is for integrity testing at ambient temperatures. Normal operating pressures are typically lower.			
*Pressures are based on non-dangerous liquids and gasses per the European Union Pressure Equipment Directive 97/23/EC. See Operating Guide for pressure limits in the European Union with dangerous liquids and gasses. See Operating Guide for complete listing of temp/pressure limits for housings and membrane. Note: Liquid pressure should always exceed gas pressure.			
Housing Options and Characteristics			
Material	PVC Vessel with Engineered Thermoplastic End Caps		
Flange Backing Rings	SMC (Sheet Molded Compound)		
Flange Connections			
Shellside (Liquid Inlet/Outlet)	<ul style="list-style-type: none"> <li>4 inch class 150 raised face flange per ANSI B16.5</li> <li>100A 10K raised face flange per JIS B2238</li> </ul>		
Lumenside	<ul style="list-style-type: none"> <li>2 inch class 150 raised face flange per ANSI B16.5</li> <li>50A 10K flat face flange per JIS B2238</li> </ul>		
Mounting Kit			
A Mounting Kit with 2 cradles and 2 straps is available and sold separately. It will hold the contactor horizontally or vertically.			
Seal Options			
Material	Applications		
EPDM	General Purpose		
Weight (approximate)			
Dry	54 kg (118 lbs)		
Liquid full (shellside)	89 kg (196 lbs)		
Shipping Weight w/o Mounting kit	65 kg (144 lbs)		
Shipping Weight with Mounting kit	74 kg (164 lbs)		
Regulatory			
Complies with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.			

**14 x 28 EXTRA-FLOW PRODUCT DATA SHEET**

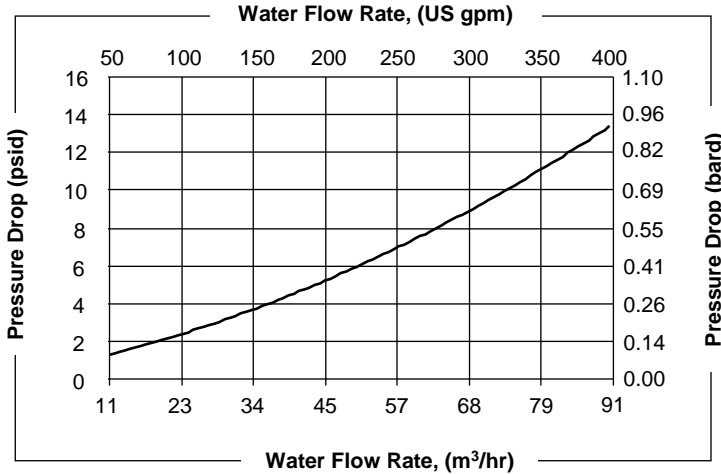


**Note:** Performance can be improved by adjusting the sweep rate.

Curves represent nominal values, generated using water at 20°C. Characteristics may change under different operating conditions.

Test condition O<sub>2</sub> Removal: X40 membrane, N<sub>2</sub>-vacuum combo mode, vacuum: 75 mm Hg, N<sub>2</sub> Sweep 0.25 scfm.

Test condition CO<sub>2</sub> Removal: X50 membrane, Air vacuum combo mode, vacuum: 150 mm Hg, air sweep 8 scfm.



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