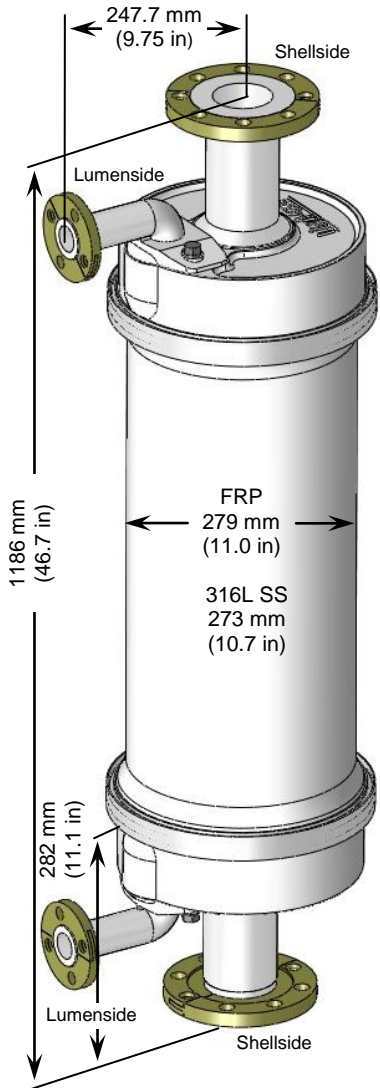
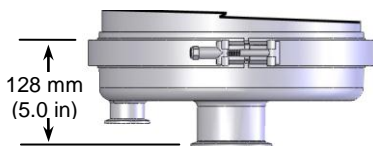


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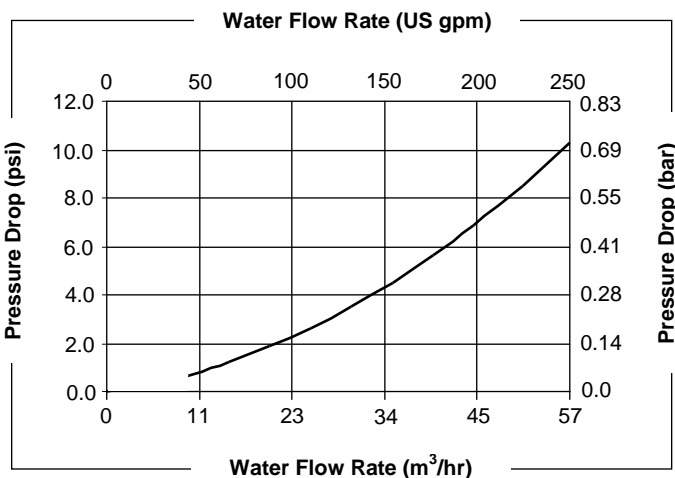
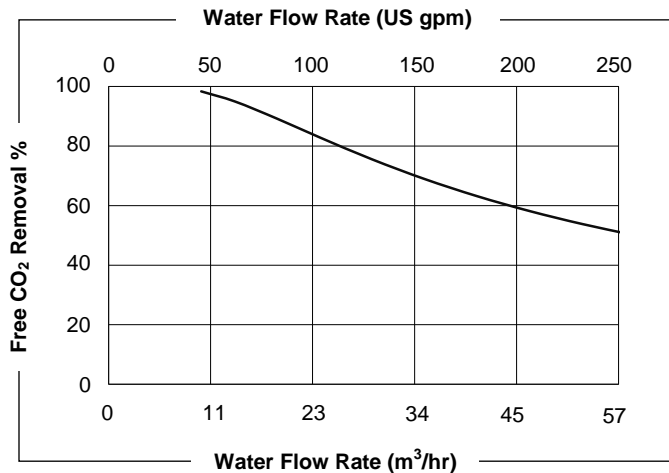
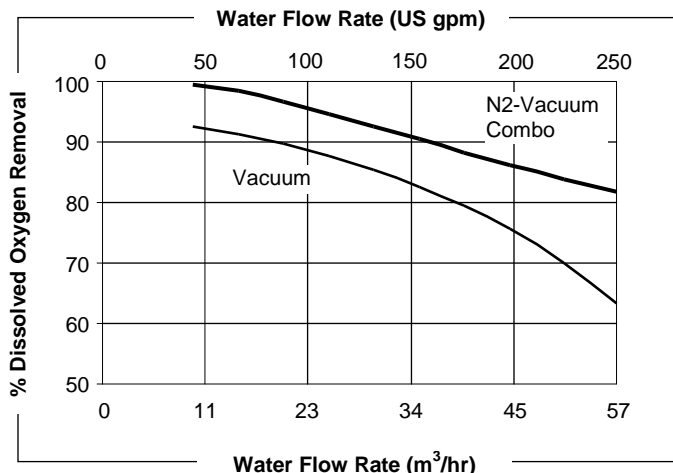
Sanitary connections are only available on 316 SS. A complete drawing is available on the web site.
Note: Overall length does change.



All dimensions are nominal values

Membrane Characteristics				
Cartridge Configuration	Extra-Flow with Center Baffle			
Liquid Flow Guidelines	10 – 57 m ³ /hr (44 – 250 gpm)			
Membrane Type	X50 Fiber	X40 Fiber		
	Recommended for CO ₂ removal from liquid and other gas transfer applications	Recommended for O ₂ removal from liquid and other gas transfer applications		
Membrane/Potting Material	Polypropylene / Epoxy			
Typical Membrane Surface Area	130m ² (1400 ft ²)			
Priming Volume (approximate)	FRP Housing		316 SS Sanitary/316 SS ANSI	
	X50 Fiber	X40 Fiber	X50 Fiber	
Shellside	26.1 L (6.9 gal)	26.3 L (7.0 gal)	24.3/32.0 L (6.41/8.45 gal)	
Lumenside	10.6 L (2.8 gal)	9.5 L (2.5 gal)	24.5/32.2 L (6.5/8.5 gal)	
			6.4/4.5 L (1.7/1.2 gal)	
Pressure Guidelines*				
	X50 Fiber		X40 Fiber	
Maximum Shellside <u>LIQUID</u> Working Temperature/ Pressure	5-50° C, 7.2 bar (41-122° F, 105 psig) 70° C, 2.1 bar (158° F, 30 psig)		5-25° C, 9.3 bar (41-77° F, 135 psig) 50° C, 7.2 bar (77-122° F, 105 psig) 70° C, 2.1 bar (158° F, 30 psig)	
If no vacuum is used, 1.05 bar (15 psig) can be added to pressures above.				
Maximum Applied Gas Pressure	FRP		316 SS	
	6.2 bar (90 psig)		9.0 bar (130 psig)	
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. Also, see Operating Guide for complete temp/pressure limits for housings and membrane. Note: Liquid pressure should always exceed gas pressure.				
Housing Options and Characteristics				
Material	Fiber Reinforced Plastic (FRP) with PVDF for all wetted surfaces and FRP flanges	316L SS Vessel/CF3M SS End Caps. ≤ 32RA on schedule 10S pipe per ASTM A312. 0.8µm SI.		
Flange Connections				
Shellside (Liquid Inlet/Outlet)	<ul style="list-style-type: none"> • 3 inch class 150 raised face flange per ANSI B16.5 • 80A at 10K flat face flange per JIS B2238 • 3 inch sanitary flange available on 316L SS fine finish 			
Lumenside	<ul style="list-style-type: none"> • 1 inch class 150 raised face flange per ANSI B16.5 • 50A at 10K flat face flange per JIS B2238 • 1.5 inch sanitary flange available on 316L SS fine finish 			
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 (ANSI / NSF 61, FDA CFR title 21 Compliant) [†]	All Purpose			
HP1 Viton	High Purity/Electronics			
Weight				
	FRP Housing		Stainless Steel Housing	
	ANSI/JIS		ANSI /JIS	
			Sanitary	
Dry	33 kg. (73 lbs.)		93 kg. (204 lbs.)	
Liquid Full (shellside)	57 kg. (126 lbs.)		115 kg. (253 lbs.)	
Cartridge only – dry	10 kg. (23 lbs.)		10 kg. (23 lbs.)	
Shipping weight (max)	44 kg. (98 lbs.)		150 kg. (330 lbs.)	
			138 kg. (303 lbs.)	
Regulatory				
Meets RoHS threshold limits. Complies with the PED 97/23/EC. NSF certified to NSF/ANSI 61 with EPDM o-rings. CFR Title 21 compliant. For FDA compliance on the FRP PVDF lined vessel 20,000 gallons of liquid should be flushed through the contactor prior to use.				

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

Test condition O₂ Removal with X40 membrane 20°C (68° F): N₂-vacuum combo mode, vacuum: 50 mm Hg N₂ sweep flow 0.40 Nm³/hr (0.25 scfm).

Test condition CO₂ Removal with X50 membrane 25°C: Air-vacuum combo mode, vacuum 75 mm Hg, air sweep flow 1.6 Nm³/hr (1 scfm).

NOTE: All dimensions on the front of this data sheet are nominal values.

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