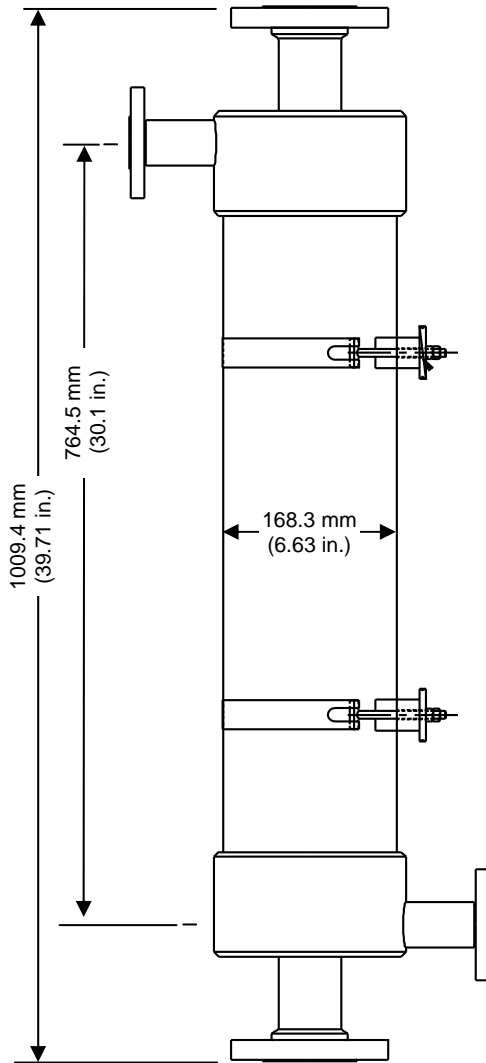


6 x 28 EXTRA-FLOW PRODUCT DATA SHEET

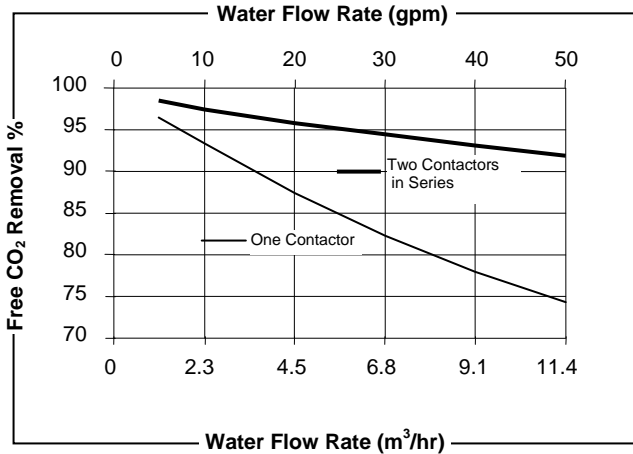


Cartridge Characteristics			
Cartridge Configuration		Extra-Flow with center baffle	
Liquid Flow Guidelines (one cartridge)		1-11 m ³ /hr (5-50 gpm)	
Membrane		X50 Fiber	X40 Fiber
Porosity		~ 40%	~ 25%
OD / ID		300 / 220 micron	300 / 200 micron
Membrane/Potting Material		Polypropylene / Epoxy	
Typical Membrane Surface Area		42 m ² (452 ft ²)	
Maximum Shellside Working Temperature/Pressure [Using 50 mm vacuum on Lumenside. Add 1.05 kg/cm ² (15 psig) when vacuum is not used.]		60°C, 2.1 kg/cm ² 25°C, 7.38 kg/cm ² (140°F, 30 psig) (77°F, 105 psig)	70°C, 2.1 kg/cm ² 25°C, 7.38 kg/cm ² (140°F, 35 psig) (77°F, 105 psig)
Priming Volume	Shellside	6.7 liters (1.8 gal.)	6.7 liters (1.8 gal.)
	Lumenside	2.6 liters (0.7 gal.)	2.3 liters (0.6 gal.)
Housing Characteristics			
Material		ABS	
Flange Connections			
Shellside (Wetted surface)		<ul style="list-style-type: none"> 2 inch class 150 raised face flange per ANSI B16.5 50A at 10K flat face flange per JIS B2238 	
Lumenside		<ul style="list-style-type: none"> 1 inch class 150 raised face flange per ANSI B16.5 25A at 10K flat face flange per JIS B2238 	
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.)	

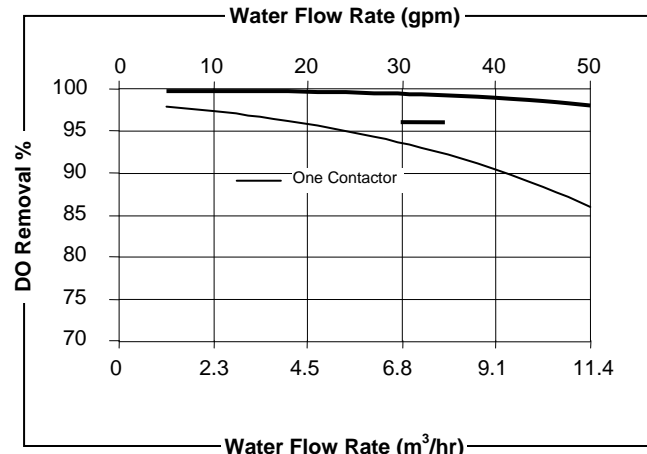
NOTE: All dimensions are nominal values.
Clamps are sold separately in mounting kit.

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.

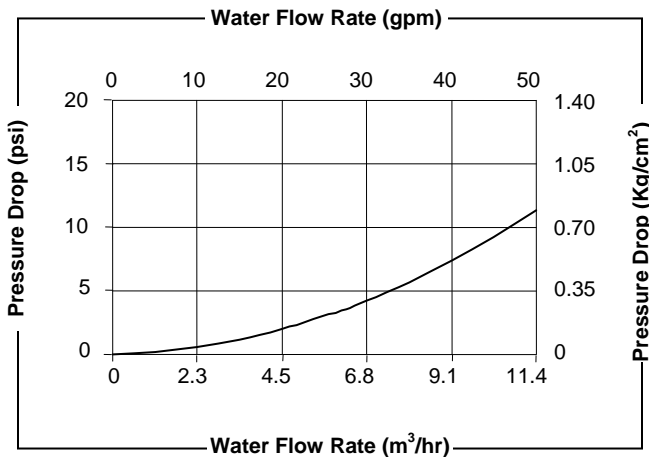
6 x 28 EXTRA-FLOW PRODUCT DATA SHEET



Test Conditions: X50, Air Sweep Mode, G/L = 3, 20 °C



Test Conditions: X40, G/L 2%, Combo Mode, N₂ Sweep, Vacuum Sweep 75 torr, 20 °C



Cartridge Specifications		
Characteristics	Test Conditions	Specifications
Performance O ₂ Removal	Shellside water flow: 27 gpm, 20°C (68°F) Lumenside N ₂ Flow: 1 scfm	X50: 88% minimum
Pressure Drop, psi maximum	Shellside water flow: 27 gpm, 20°C (68°F)	X50: 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 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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