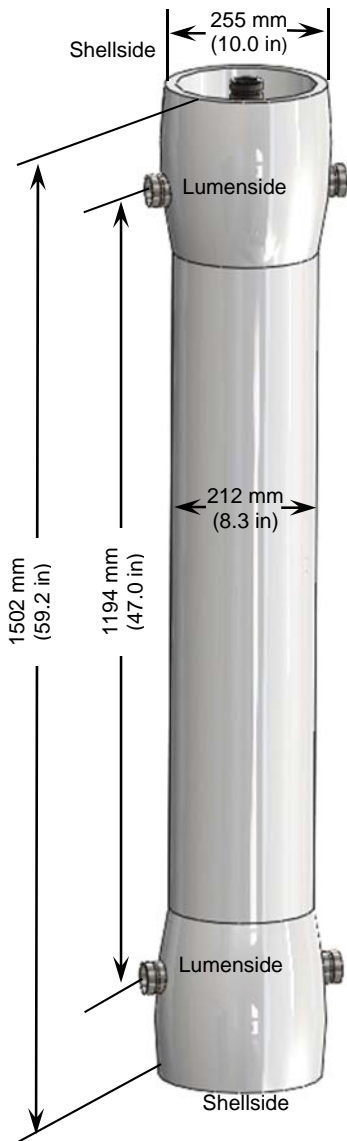


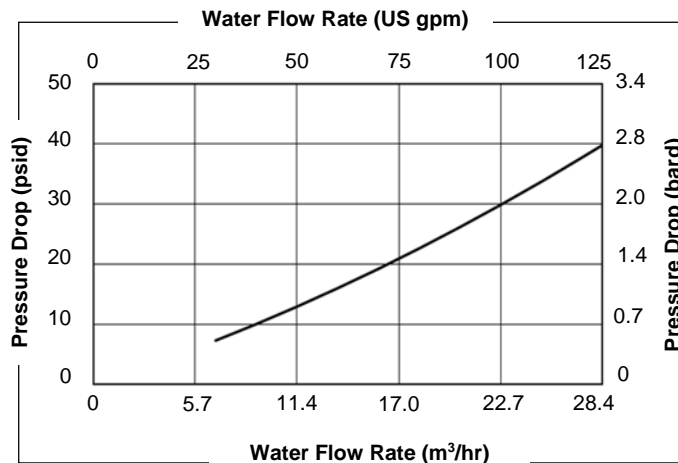
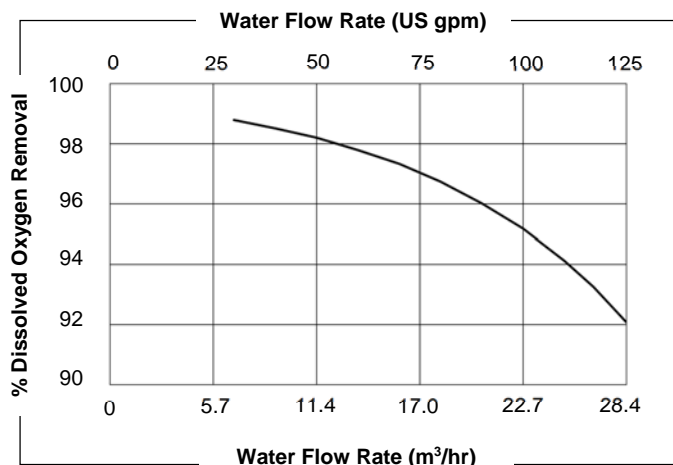
8 x 40 EXTRA-FLOW PRODUCT DATA SHEET



NOTE: All dimensions are nominal values.

Membrane Characteristics	
Cartridge Configuration	Extra-Flow with Center Baffle
Liquid Flow Guidelines	7 – 28 m ³ /hr (30 – 125 gpm)
Membrane Type	X40 Fiber
	Recommended for high pressure O ₂ removal and other gas transfer applications
Membrane/Potting Material	Polypropylene / Epoxy
Typical Membrane Surface Area	121 m ² (1302 ft ²)
Priming Volume	
Shellside	15.4 L (4.1 gal)
Lumenside	13.6 L (3.6 gal)
Pressure Guidelines*	
Maximum Shellside <u>LIQUID</u> Working Temperature/ Pressure	5-25° C, 19.7 barg (41-86° F, 285 psig) 60° C, 12.0 barg (140° F, 175 psig) 85° C, 1 barg (185° F, 15 psig)
If no vacuum is used, 1 barg (15 psig) can be added to pressures above.	
Maximum Applied Gas Pressure	2.1 barg at 25° C (30 psig at 77° F)
Max applied gas pressure is for integrity testing at ambient temperatures. Normal operating pressures are typically lower.	
* 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	Fiber Reinforced Plastic (FRP) FRP Vessel Code-rated to ASME BPVC Section X
Connections	
Shellside (Liquid Inlet/Outlet)	• 1.5 Inch Grooved pipe fitting
Lumenside	• 1.5 Inch Grooved pipe fitting
Seal Options	
Material	Applications
EPDM	All Purpose
Weight (approximate)	
Dry	35 kg (78 lbs)
Liquid Full (shellside)	50 kg (110 lbs)
Shipping Weight	Additional 3-6 kg (6-12 lbs). Does not include pallet weight.

8 x 40 EXTRA-FLOW PRODUCT DATA SHEET



Curves represent nominal values with FRP housing using water at 20° C. Characteristics may change under different operating conditions.

Test condition O₂ Removal with X40 membrane: N₂-vacuum combo mode, vacuum: 50 mm Hg N₂ sweep: 0.5 SCFM.

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**Industrial Business Group
Membranes Business Unit**
13840 South Lakes Drive
Charlotte, North Carolina 28273
USA

Phone: +1 704 587 8888
Fax: +1 704 587 8610

**3M Deutschland GmbH
Membranes Business Unit**
Öhder Straße 28
42289 Wuppertal
Germany

Phone: +49 202 6099 - 658
Fax: +49 202 6099 - 750

**3M Japan Ltd.
Membranes Business Unit**
6-7-29, Kita-Shinagawa,
Shinagawa-ku, Tokyo | 141-8684
Japan

Phone: +81 3 6409 5732
Fax: +81 3 6409 5827



www.liqui-cel.com