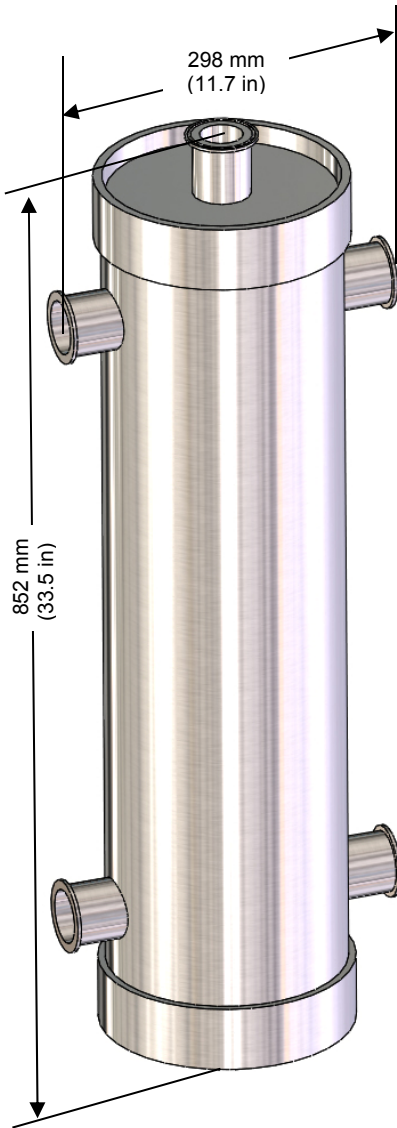


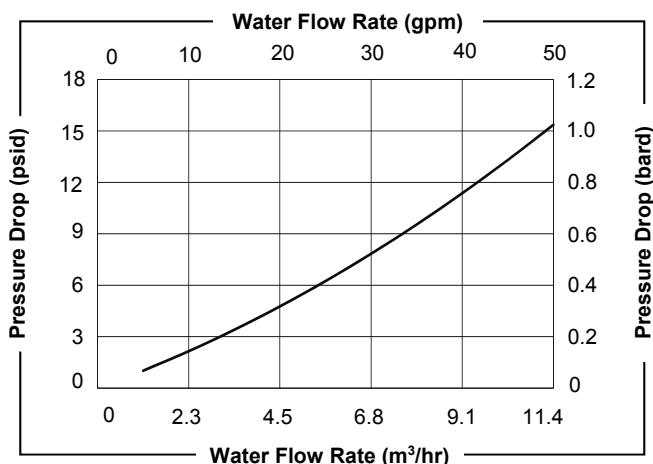
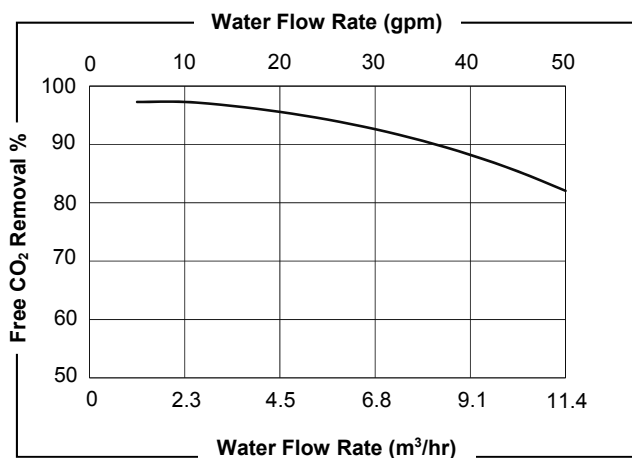
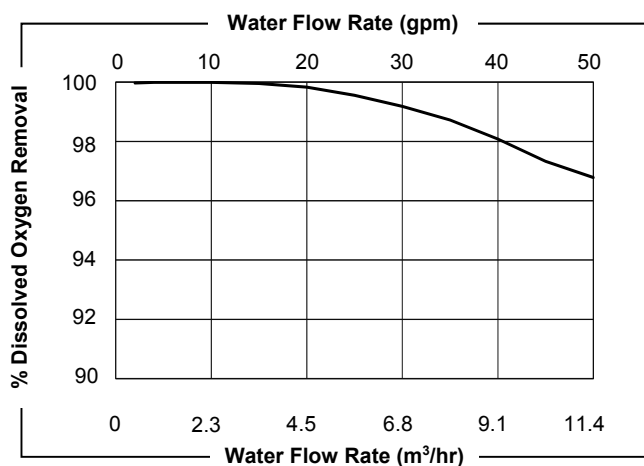
8 x 20 STAINLESS STEEL EXTRA-FLOW PRODUCT DATA SHEET



NOTE: All dimensions are nominal values. See full housing drawing on website for additional details

Membrane Characteristics	
Cartridge Configuration	Extra-Flow with center baffle
Liquid Flow Guidelines	1-11 m ³ /hr (5-50 gpm)
Membrane Type	X40 Fiber
	Recommended for O ₂ and CO ₂ removal from liquids, carbonation and other gas transfer applications
Membrane/Potting Material	Polypropylene / Epoxy
Typical Membrane Surface Area	53 m ² (571 ft ²)
Priming Volume	
Shellside	6.3 L (1.7 gal)
Lumenside	9.5 L (2.5 gal)
Pressure Guidelines*	
Maximum Shellside <u>LIQUID</u> Working Temperature/Pressure	25° C, 9.3 barg (77° F, 135 psig) 50° C, 3.1 barg (122° F, 45 psig) 70° C, 1.1 barg (158° F, 15 psig)
If no vacuum is used, 1 barg (15 psig) can be added to pressures above.	
Maximum Applied Gas Pressure	5.2 barg at 25° C (75 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	316L SS Housing ABS Cartridge Shell
Port Connections	
Shellside (Liquid Inlet/Outlet)	<ul style="list-style-type: none"> • 2 inch sanitary
Lumenside	<ul style="list-style-type: none"> • 2 inch sanitary
Seal Options	
Material	Applications
EPDM	All Purpose
Weight (approximate)	
Dry	37 kg (82 lbs)
Liquid full (shellside)	44 kg (96 lbs)
Shipping Weight	39 kg (86 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.	

8 x 20 STAINLESS STEEL EXTRA-FLOW PRODUCT DATA SHEET



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

Test condition O₂ Removal: N₂-vacuum combo mode with water at 20° C. Vacuum: 50 mm Hg abs. N₂ sweep: 0.25 scfm.

Test condition CO₂ Removal: Air sweep mode with water at 25° C. Air Sweep: 10 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

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