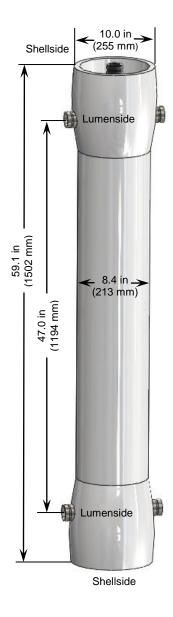




8 x 40 EXTRA-FLOW PRODUCT DATA SHEET



NOTE: All dimensions are nominal values for the FRP vessel.

Liquid Full (shellside)

Regulatory

only.

Membrane Characterist		F	world Contac Deff
Cartridge Configuration		Extra-Flow with Center Baffle 5.7 – 28.4 m ³ /hr (25 – 125 gpm)	
Liquid Flow Guidelines			1
Membrane Type		X50 Fiber Recommended for gas transfer of CO2 to or from water	Recommended for high pressure O ₂ removal and other gas transfer applications
Membrane/Potting Material		Polypropylene / Epoxy	
Typical Membrane Surface Area		X50	X40
		126 m2	121 m2
Priming Volume		X50 316L SS	X40 FRP
Shellside		13.9 L (3.7 gal)	15.4 L (4.1 gal)
Lumenside		13.0 L (3.4 gal)	13.6 L (3.6 gal)
Pressure Guidelines*			
		X50 fiber	X40 Fiber
Maximum Shellside <u>LIQUID</u> Working Temperature/ Pressure		5-25° C, 7.2 bar (41-86° F, 105 psig) 40° C, 4.1 bar (104° F, 60 psig)	5-25° C, 19.7 bar (41-86° F, 285 psig) 60° C, 12.0 bar (140° F, 175 psig) 85° C, 1 bar (185° F, 15 psig)
If no vacuum is used, 1.05 bar (15 p	sig) can be add	ded.	
Maximum Applied Gas Pressure		2.1 bar (30 psig)	
Max applied gas pressure is for inte	grity testing at a	ambient temperatures. Normal op	perating pressures are typically lower.
* See Operating Guide for complete Note: Liquid pressure should always			membrane.
Housing Options and C	haracteris	stics	
Material	FRP Ve	einforced Plastic (FRP) ssel Code-rated to ASME ection X	316L SS ≤ 32RA (0.8μm SI)
Connections	FRP		316L SS
Shellside (Liquid Inlet/Outlet)	• 1.5 Inc • Note: on 1 e	Female NPT ch Victaulic [®] Grooved Pipe both options are standard and cap	2 Inch Sanitary
Lumenside	• 1.5 Inc	ch Victaulic [®] Grooved Pipe	2 Inch Sanitary
Seal Options			
Material	Applica	tions	
EPDM	All Purp	ose	
Weight (X40 Cartridge)	FRP		316L SS
Dry	34.5 kg.	(76.0 lbs.)	47.6 kg. (105.0 lbs.)

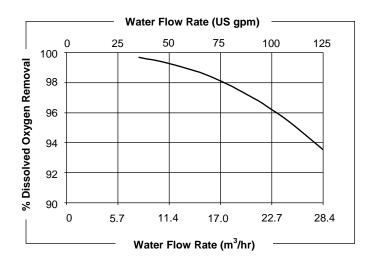
49.9 kg. (110.0 lbs.)

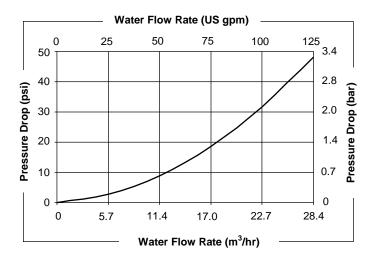
Complies with the PED 97/23/EC and is manufactured with sound engineering practice. Meets RoHS threshold limits for SS

61.5 kg. (135.6 lbs.)



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 O_2 Removal with X40 membrane: N_2 -vacuum combo mode, vacuum: 50 mm Hg N2 sweep: 0.5 SCFM.

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Membrana - Charlotte

A Division of Celgard, LLC 13800 South Lakes Drive Charlotte, North Carolina 28273 USA

Phone: (704) 587 8888 Fax: (704) 587 8610

Membrana GmbH

Oehder Strasse 28 42289 Wuppertal Germany

Phone: +49 202 6099 - 658 Phone: +49 6126 2260 - 41 Fax: +49 202 6099 - 750

Japan Office Polypore K.K.

Shinjuku Mitsui Building, 27F 1-1, Nishishinjuku 2-chome Shinjuku-ku, Tokyo 163-0427

Japan

Phone: 81 3 5324 3361 Fax: 81 3 5324 3369



www.liqui-cel.com