



Module Characteristics

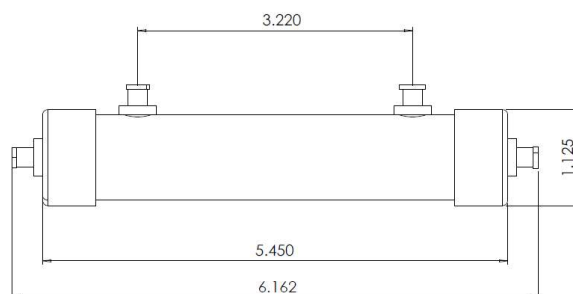
Membrane Material Membrane Type		PDMS (Silicone) Dense Hollow Fiber
Fiber ID	µm (in)	190 (0.00748)
Fiber OD	µm (in)	300 (0.0118)
Fiber Wall Thickness	µm (in)	55 (0.0022)
Fiber Count	#	1280
Membrane Area ¹	cm ² (ft ²)	1000 (1.07)
Module Length	cm (in)	16 (6.2)
Module Diameter	cm (in)	2.86 (1.125)
Fittings / Connection Size	in	Luer
Shell / End Caps		Polycarbonate
Fittings Material		Polycarbonate
Potting Material		Polyurethane
Other Materials of Construction ²		Polypropylene, Acrylic

Operating Conditions

Max Continuous Operating Temperature	°C (°F)	60 (140)
Max Shell Side Pressure	bar (psig)	1 (15) @ 77°F
Max Lumen Pressure	bar (psig)	3 (45) @ 77°F
Max TMP ³ Shell to Lumen	bar (psi)	1 (15) @ 77°F
Max TMP ³ Lumen to Shell	bar (psi)	3 (45) @ 77°F
Typical Liquid Flow Rate	l/min (gpm)	0.2 - 1.9 (0.05 - 0.5)
Sweep Flow Rate (no Vacuum)	scfm (slpm)	0.02 - 0.2 (0.5 - 6)
Sweep Flow Rate with Vacuum	scfm (slpm)	0.004 - 0.04 (0.1 - 1.2)
Typical Gas Flow Rate	scfm (slpm)	0.004 - 0.4 (0.1 - 12)

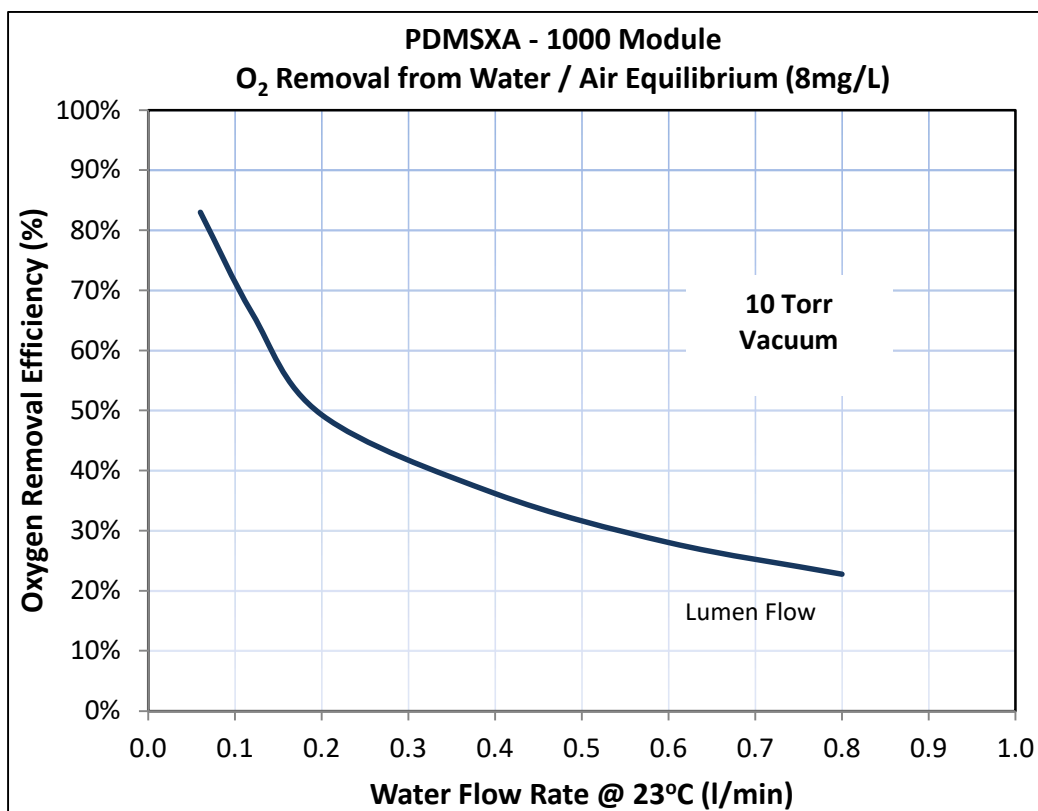
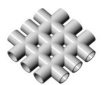
Volume / Weight

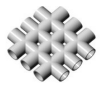
Lumen Side Priming Volume	ml	8.5
Shell Side Priming Volume	ml	10.5
Dry Weight	lbs (g)	0.19 (86)
Wet Weight - Shell Side Filled	lbs (g)	0.25 (112)
Shipping Weight	lbs (g)	0.23 (105)



Note: All dimensions in inches

- 1- Based on fiber OD
- 2- Traces of PVOH (polyvinyl alcohol) possible in lumens
- 3- TMP (Transmembrane Pressure)





WARNING

MEMBRANE MODULES CAN DEVELOP LEAKS UNDER NORMAL OPERATING CONDITIONS. MEDARRAY CANNOT GUARANTEE, AND DOES NOT REPRESENT THAT MEMBRANE MODULES WILL NOT DEVELOP LEAKS.

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PermSelect® membrane modules are only to be used by persons thoroughly familiar with its use in its intended application. It is the responsibility of the user to determine the suitability of membrane modules in their specific application. Membrane modules can fail, permitting fluid discharge into the environment and mixing of shell and tube side fluids. **Users must take all precautions to ensure safety to people and property in case of module failure.** 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. Please read our Terms of Sale for further information.

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