



Module Characteristics

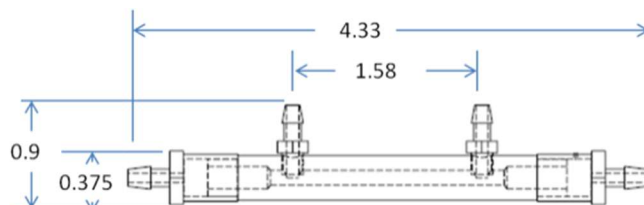
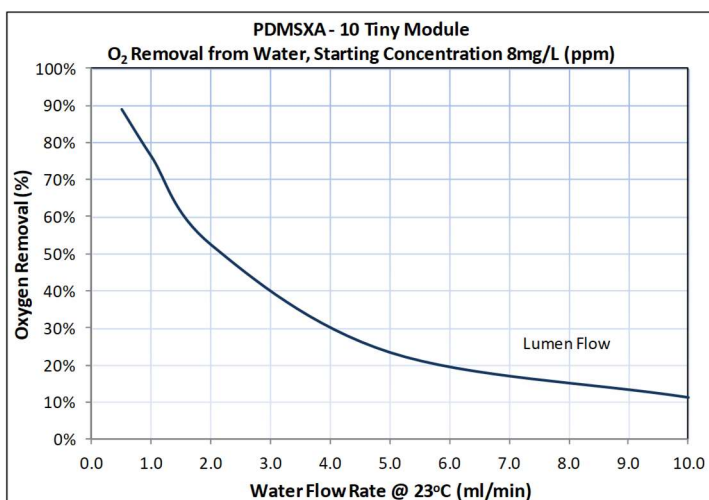
Membrane Material		PDMS (Silicone)
Membrane Type		Dense Hollow Fiber
Fiber ID/OD	μm (in)	190/300 (0.00748/0.0118)
Fiber Wall Thickness	μm (in)	55 (0.0022)
Fiber Count	#	30
Membrane Area ¹	cm^2 (ft ²)	10 (0.011)
Priming Volume (ml):	Lumen/shell	0.71/0.35
Tube (lumen) side	ml	0.6
Shell side	ml	0.35
Fittings / Connection Size	in	Barbed 1/8
Shell / End Caps		Polycarbonate
Fittings Material		Polycarbonate
Potting Material		Polyurethane
Other Materials of Construction ²		Acrylic

Operating Conditions

Max Continuous Operating Temperature	$^{\circ}\text{C}$ ($^{\circ}\text{F}$)	60 (140)
Max Shell Side Pressure	bar (psia)	3 (45) @ 77 $^{\circ}\text{F}$
Max Lumen Pressure	bar (psia)	4 (60) @ 77 $^{\circ}\text{F}$
Max TMP ³ Shell to Lumen	bar (psi)	1 (15) @ 77 $^{\circ}\text{F}$
Max TMP ³ Lumen to Shell	bar (psi)	3 (45) @ 77 $^{\circ}\text{F}$
Typical Liquid Flow Rate	l/min (gpm)	0.001 - 0.01 (0.00026 - 0.0026)
Typical Gas Flow Rate	scfm (slpm)	0.00004 - 0.004 (0.001 - 0.1)

Note: All dimensions in inches

- 1- Effective Membrane Area
- 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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