



**Module Characteristics**

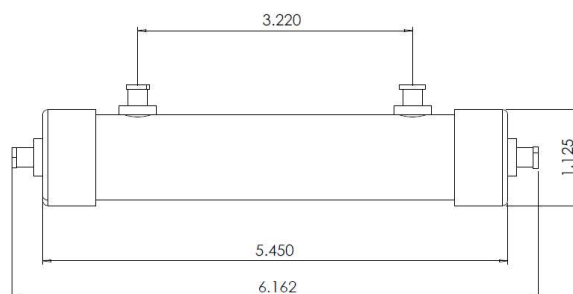
| Membrane Material<br>Membrane Type           |                                    | PDMS ( Silicone )<br>Dense Hollow Fiber |
|----------------------------------------------|------------------------------------|-----------------------------------------|
| Fiber ID                                     | 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 <sup>1</sup>                   | cm <sup>2</sup> (ft <sup>2</sup> ) | 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 <sup>2</sup> |                                    | 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 <sup>3</sup> Shell to Lumen  | bar (psi)   | 1 ( 15 ) @ 77°F            |
| Max TMP <sup>3</sup> 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 )   |

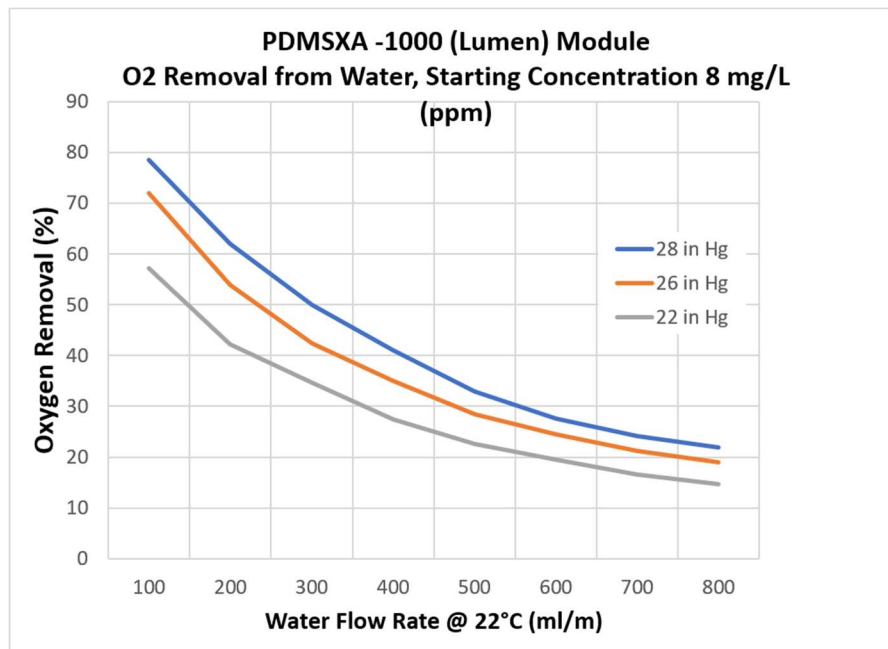
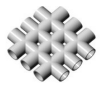
**Volume / Weight**

|                                |         |              |
|--------------------------------|---------|--------------|
| 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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