



3M™ Liqui-Cel™ SP-0.5×1 Series Membrane Contactor

Typical Properties

Membrane Characteristics	
Cartridge Configuration	No Baffle Membrane Array Design
Liquid Flow Guidelines	5 – 30 ml/min (Liquid must flow on the shellside)
Membrane Type	UP
Membrane/Potting Material	Polyolefin / Epoxy
Priming Volume (approximate)	
Shellside	1.7 ml
Lumenside	1.0 ml

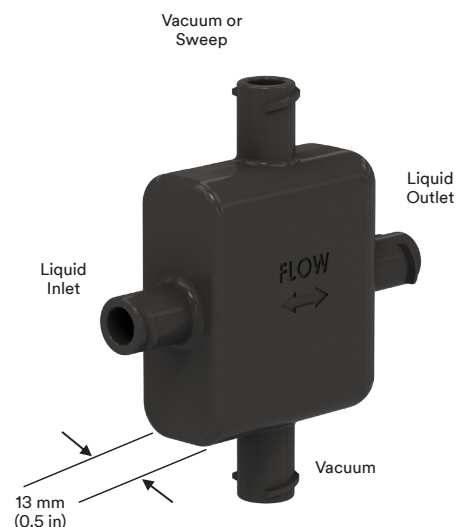
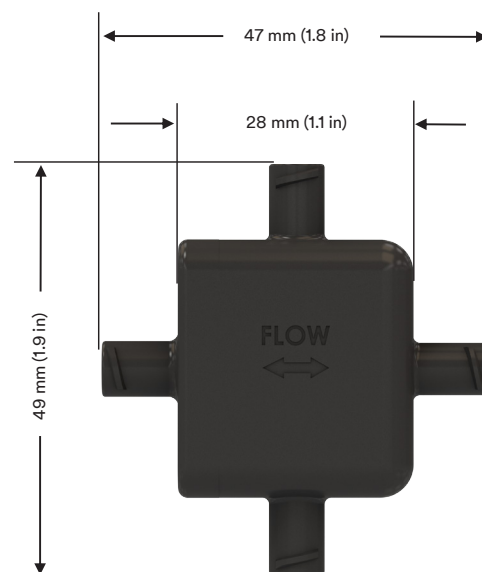
Pressure Guidelines*	
Maximum Shellside LIQUID	5-20°C, 3.1 barg (41-68°F, 45 psig)
Working Temperature/ Pressure	45°C, 1.7 barg (113°F, 25 psig)

* Note: Liquid pressure should always exceed gas pressure.

Housing Options and Characteristics	
Material	Black Polyethylene
Flange Connections	
Shellside (Liquid Inlet/Outlet)	Female Luer Lock
Lumenside (vacuum)	Female Luer Lock

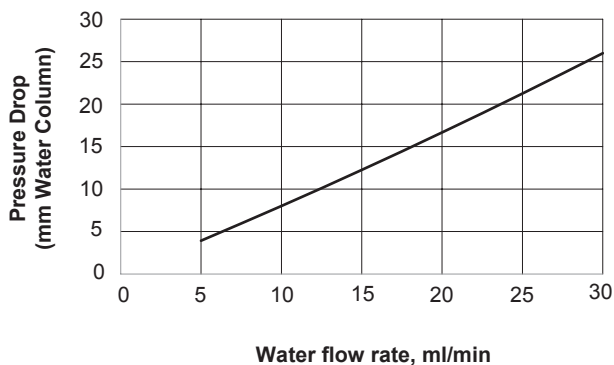
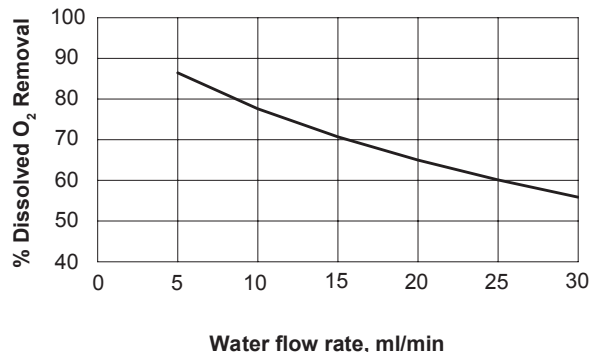
Weight (approximate)	
Dry	8 grams
Water-filled	10 grams

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 at ambient temperatures.	



All dimensions are nominal values. See full housing drawing on 3M.com/Liqui-Cel for additional details.

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Test condition O₂ Removal: Vacuum mode with water at 20°C. Vacuum: 50 torr

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ISO 9001



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LC-1018
Rev. 01/2017