

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

Typical Properties

Membrane Characteristics		
Cartridge Configuration	Radial Flow	
Liquid Flow Guidelines	15–60 ml/min (Liquid must flow on the shellside)	
Flow rates are guidelines for product selection and reflect the flow range at which the product was tested. Product may be capable of operating above listed flow range depending on liquid being degassed and user's target dissolved gas requirements.		
Membrane Type	UP Recommended for low surface tension liquids that are water-based	UPII Recommended for low surface tension fluids with aggressive formulations
Membrane/Potting Material	Polyolefin / Polyethylene	
Priming Volume		
Shellside	15 ml	

Pressure Guidelines*	
Maximum Shellside LIQUID Working Temperature/ Pressure	5–25°C, 3.1 barg (41–77°F, 45 psig) 40°C, 1.0 barg (104°F, 15 psig)

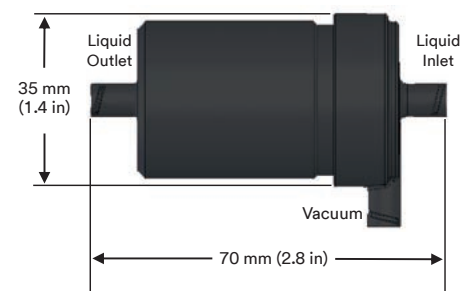
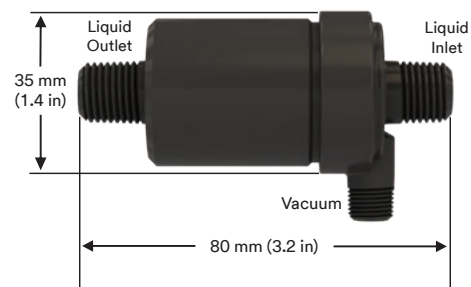
* Note: Liquid pressure should always exceed gas pressure.

Housing Characteristics	
Material	Black Polyethylene
Connections	
Shellside (Liquid Inlet/Outlet)**	¼ inch NPT Male Standard Female Luer Lock
Lumenside (vacuum)**	⅜ inch NPT Male Standard Female Luer Lock

** Note: Use of metal connectors is not recommended.

Weight (approximate)	
Dry	28 grams

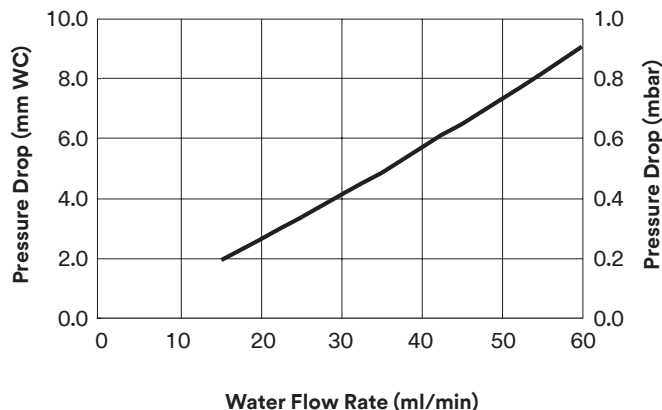
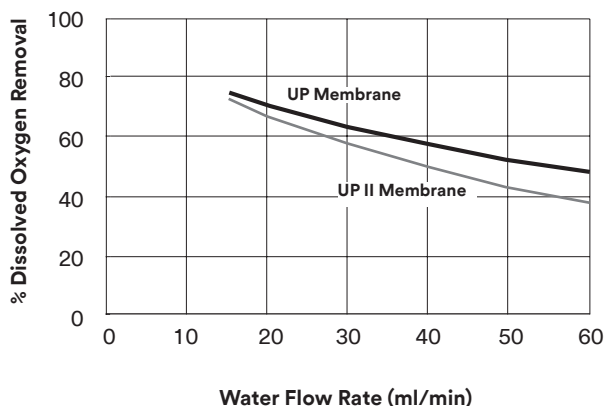
Regulatory
Complies with the limits as set by (EU) 2015/863 amending Annex II to the Restriction on Hazardous Substances (RoHS) Directive (2011/65/EU). 3M™ Liqui-Cel™ SP-1×3 Series Membrane Contactors are not constructed of FDA Title 21 CFR § 174-186 compliant materials. Not for use in food contact applications.



All dimensions are nominal values.
Refer to 3M.com/Liqui-Cel for detailed housing drawings.

Not for consumer sale or use.

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Test condition O₂ Removal: Vacuum mode with water at 35°C. Vacuum: 50 torr

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