

3M™ Liqui-Cel™ SP-1×6 Series Membrane Contactor

Typical Properties

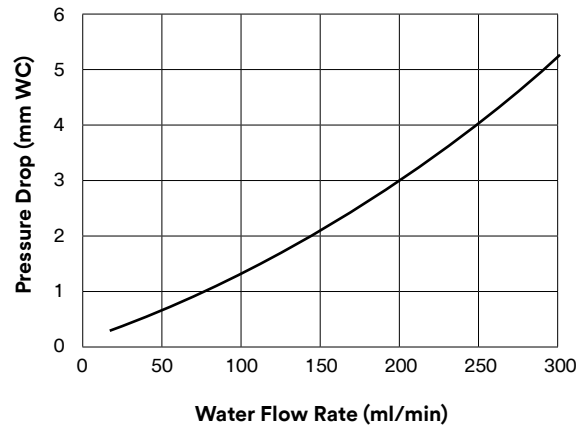
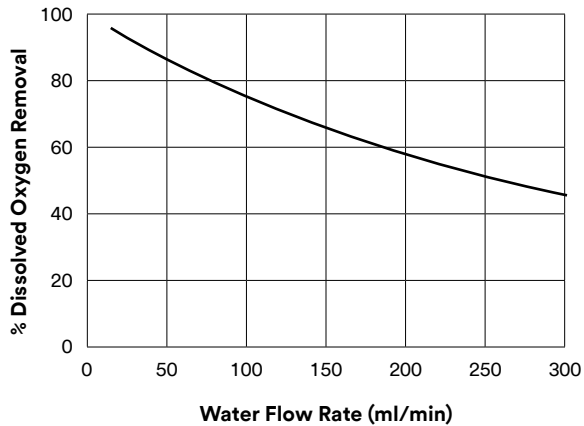
Membrane Characteristics	
Cartridge Configuration	Radial Flow
Liquid Flow Guidelines	15 – 300 ml/min (Liquid must flow on the shellside)
Flow rates are guidelines for product selection and reflect the flow range at which the product was tested. Product may be capable of operating above listed flow range depending on liquid being degassed and user's target dissolved gas requirements.	
Membrane Type	UP II Recommended for low surface tension fluids
Membrane/Potting Material	Polypropylene/Epoxy
Shell Side Priming Volume (approximate)	45 ml
Pressure Guidelines*	
Maximum Shell Side LIQUID Operating Temperature/Pressure	
5 - 25°C (41 - 77°F)	4.1 barg (60 psig)
75°C (167°F)	1.0 barg (15 psig)
*Note: Liquid pressure should always exceed gas pressure.	
Housing Options and Characteristics	
Material	Black Polyethylene
Connections	
Shell Side (Liquid Inlet/Outlet)**	Quick disconnect compatible with CPC™ PLC12 series
Lumen Side (Vacuum)**	Quick disconnect compatible with CPC™ PLC12 series
**Note: Use of metal connectors is not recommended.	
Seal Material	
Only applicable to external seals. No internal seals are used.	
FFKM	
Weight (Approximate)	
Dry	65 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-1×6 Series Membrane Contactors are constructed of FDA Title 21 CFR § 170-186 compliant materials for wetted parts only at ambient temperatures.	



Not for consumer sale or use.

All dimensions are nominal values. See 3M.com/Liqui-Cel for all housing drawings.

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Test condition O₂ Removal: Vacuum mode with water at 25°C. Vacuum: 50 torr

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