

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	Polyolefin / Polyethylene
Shellside Priming Volume (approximate)	62 ml

Pressure Guidelines*	
Maximum Shellside LIQUID Working Temperature/ Pressure	5-25°C, 4.1 barg (41-77°F, 60 psig) 75°C, 1.0 barg (167°F, 15 psig)

* Note: Liquid pressure should always exceed gas pressure.

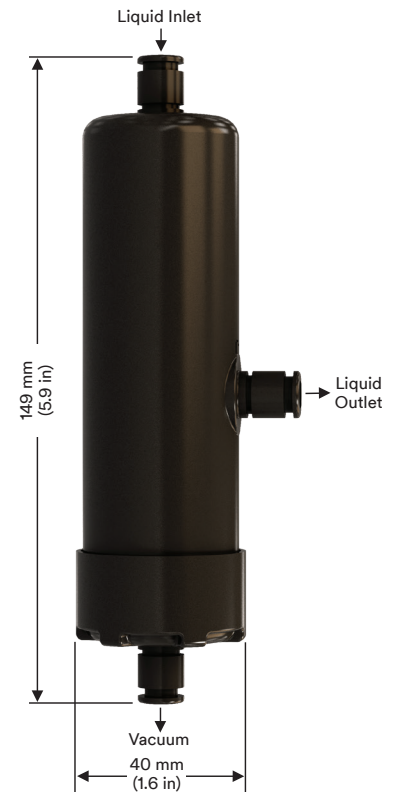
Housing Options and Characteristics	
Material	Black Polyethylene
Connections	
Shellside (Liquid Inlet/Outlet)**	Quick disconnect compatible with CPC™ PLC12 series
Lumenside (Vacuum)**	Quick disconnect compatible with CPC™ PLC12 series

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

Seal Options (Only applicable to the external seals. No internal seals are used.)	
Material	Applications
FFKM	General Purpose

Weight (approximate)	
Dry	60 grams

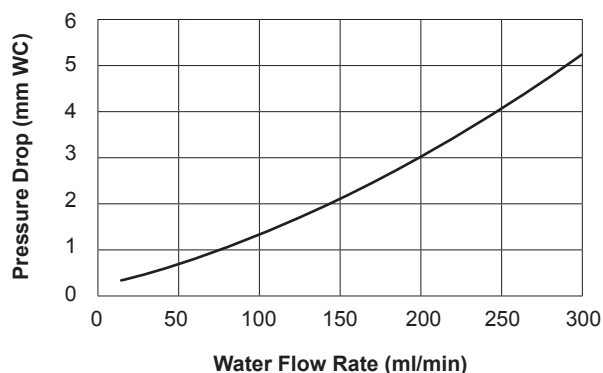
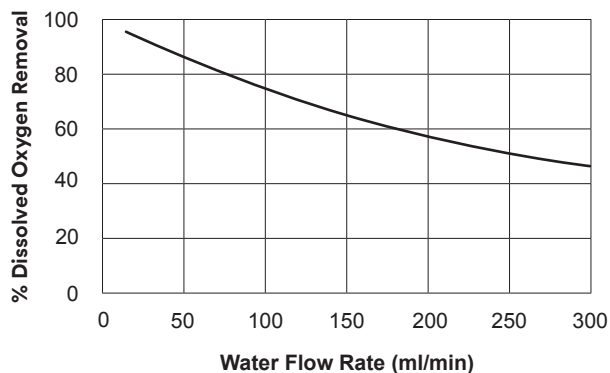
Regulatory	
Complies with the limits as set by RoHS Directive 2011/65/EU Annex II. 3M™ Liqui-Cel™ SP-1×6 Series Membrane Contactors are constructed of FDA Title 21 CFR § 174-186 compliant materials for wetted parts only at ambient temperatures.	



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

Not for consumer sale or use.

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

Product Selection and Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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