



3M™ Liqui-Cel™ MM-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	X50
Membrane/Potting Material	Polypropylene / Epoxy
Priming Volume (approximate)	
Shellside	3.5 ml

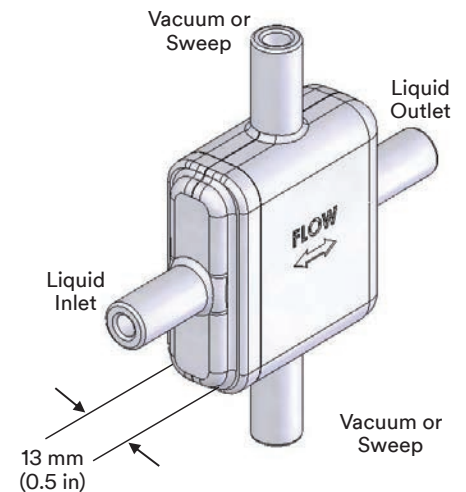
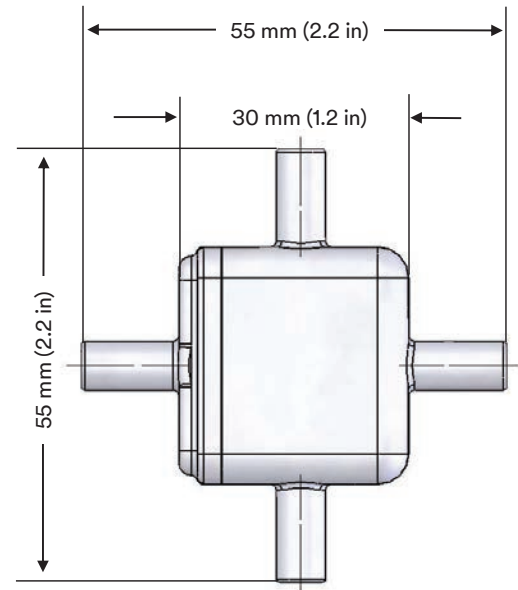
Pressure Guidelines*	
Maximum Shellside LIQUID Working Temperature/ Pressure	5–25°C, 3.1 barg (41–77°F, 45 psig) 40°C, 1.0 barg (104°F, 15 psig)

* Note: Liquid pressure should always exceed gas pressure.

Housing Characteristics	
Material	Polycarbonate
Connections	
Shellside (Liquid Inlet/Outlet)	¼ inch Straight Tube
Lumenside (vacuum)	¼ inch Straight Tube

Weight (approximate)	
Dry	10 grams

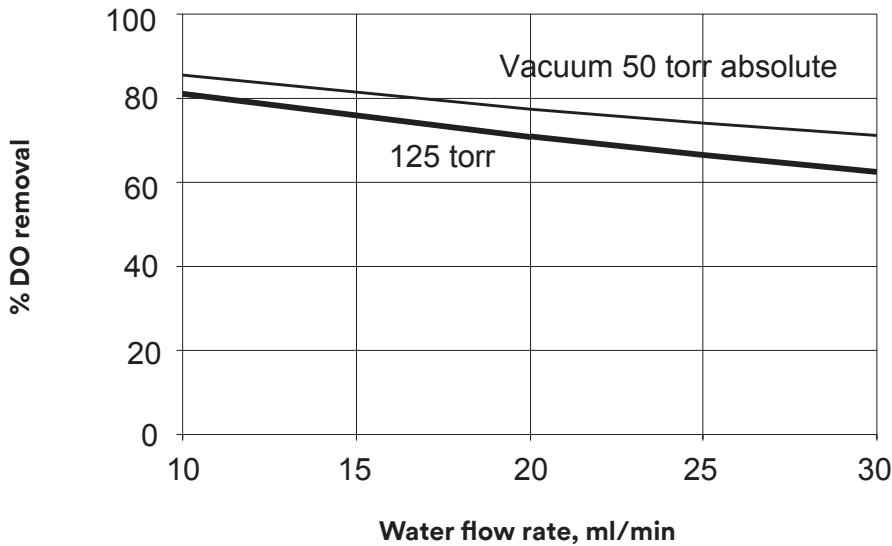
Regulatory	
Complies with the limits as set by (EU) 2015/863 amending Annex II to the Restriction on Hazardous Substances (RoHS) Directive (2011/65/EU). 3M™ Liqui-Cel™ MM-0.5×1 Series Membrane Contactors are not constructed of FDA Title 21 CFR § 174-186 compliant materials. Not for use in food contact applications.	



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

Not for consumer sale or use.

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Curves represent nominal values generated using water on the shellside and vacuum on the lumenside at 20°C. Characteristics may change under different operating conditions.

Pressure Drop: In all flow rates up to 30 ml/min, the pressure drop is < 0.014 bard (0.2 psid).

Product Selection and Use

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