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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	
Shellside Priming Volume (approximate)	Polycarbonate Housing 3.5 ml	HD Polyethylene Housing 2.0 ml

Pressure Guidelines*	Polycarbonate Housing	HD Polyethylene Housing
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)	5–25°C, 3.1 barg (41–77°F, 45 psig) 45°C, 1.7 barg (113°F, 25 psig)

* Note: Liquid pressure should always exceed gas pressure.

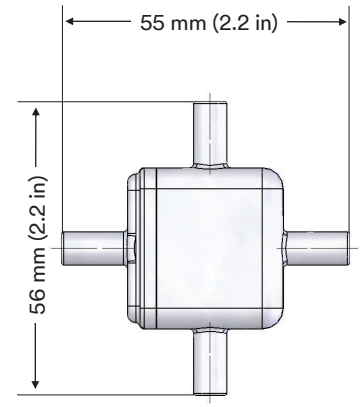
Housing Characteristics		
Material	Polycarbonate Housing	HD Polyethylene Housing
Connections		
Shellside (Liquid Inlet/Outlet)	1/4" Straight Tube	Female Luer Lock
Lumenside (vacuum)	1/4" Straight Tube	Female Luer Lock

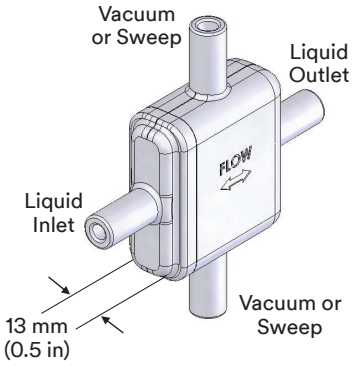
Weight (approximate)	Polycarbonate Housing	HD Polyethylene Housing
Dry	10 grams	8 grams

Regulatory

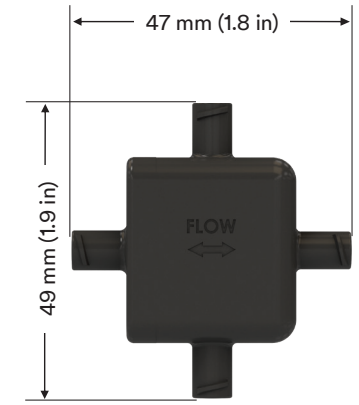
Complies with the limits as set by (EU) 2015/863 amending Annex II to the Restriction on Hazardous Substances (RoHS) Directive (2011/65/EU). 3M™ Liqui-Cel™ MM-0.5×1 Series Membrane Contactors **are not** constructed of FDA Title 21 CFR § 174-186 compliant materials. Not for use in food contact applications.

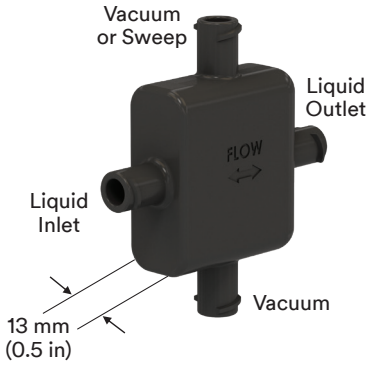
Polycarbonate Housing





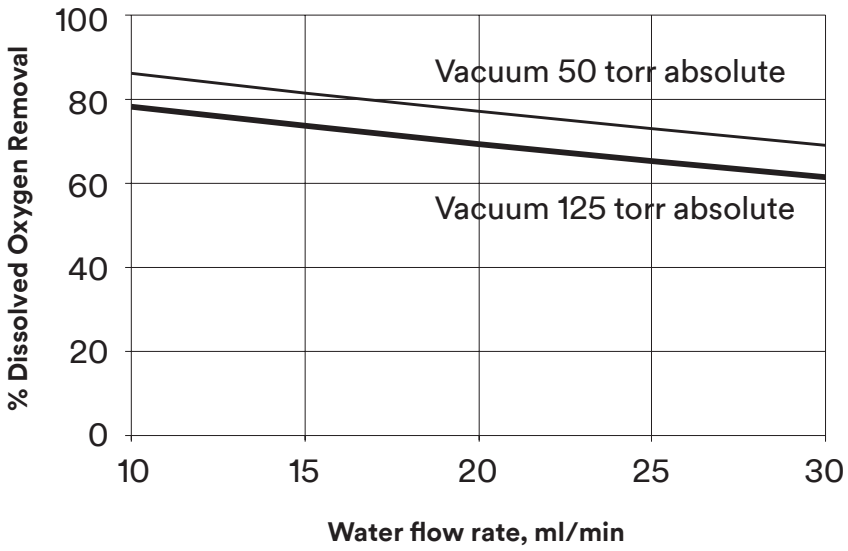
HD Polyethylene Housing





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

Not for consumer sale or use.



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

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