



Liqui-Cel™
Membrane Contactors

LENNTECH
WATER TREATMENT SOLUTIONS

3M™ Liqui-Cel™ MM-1.7×5.5 Series Membrane Contactor

Typical Properties

Membrane Characteristics	
Cartridge Configuration	Parallel Flow Lumenside Liquid Flow
Liquid Flow Guidelines	<2500 ml/min
Membrane Type	X50 Fiber
Membrane/Potting Material	Polypropylene/Polyurethane
Priming Volume (approximate)	
Shellside	78 ml
Lumenside	53 ml

Pressure Guidelines*	
Maximum Lumenside LIQUID	5-20°C, 4.1 barg (41-68°F, 60 psig)
Working Temperature/ Pressure	40°C, 2.1 barg (104°F, 30 psig)

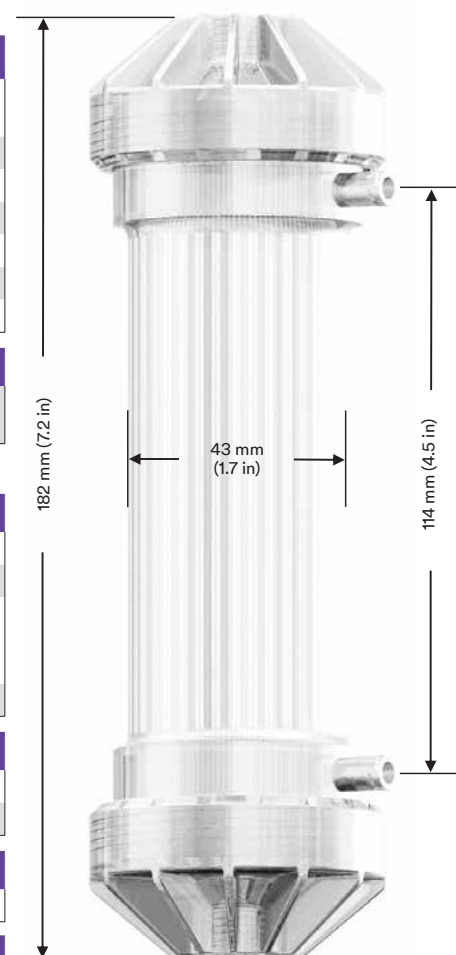
* Note: Liquid pressure should always exceed gas pressure.

Housing Characteristics	
Material	Polycarbonate
Flange Connections	
Shellside (gas/vacuum)	Standard Female Luer Lock <i>Supplied with two ¼ inch Hosebarb adaptors which mate to ¼ inch ID tubing</i>
Lumenside (wetted surface)	¼ inch FNPT

Seal Options	
Material	Applications
EPDM	All Purpose

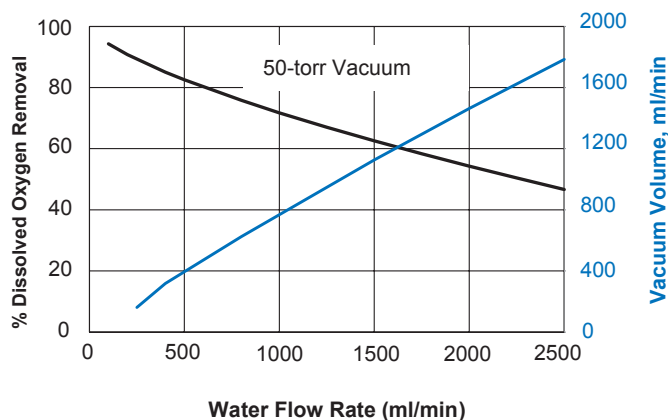
Weight (approximate)	
Dry	142 grams

Regulatory	
Complies with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC. Constructed of FDA CFR title 21 compliant materials for wetted parts only at ambient temperatures.	

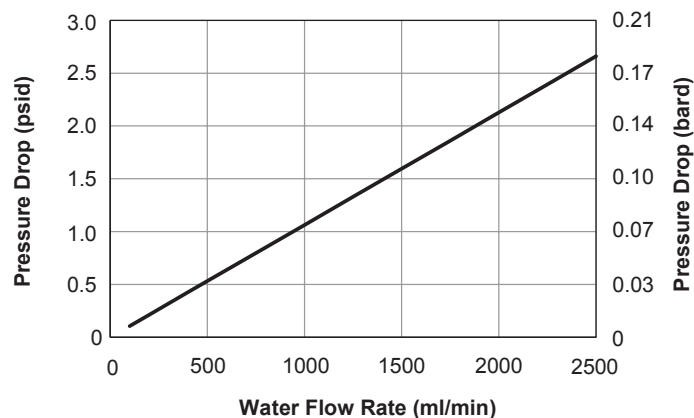


All dimensions are nominal values. See full housing drawing on 3M.com/Liqui-Cel for additional details.

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— DO removal — Vacuum volume (estimated)



Curves represent nominal values, generated using water on the Lumenside at 20°C with 50 torr of vacuum drawn on both Shellside ports. We have plotted an estimated vacuum volume guideline that is based on a flow rate at 20°C, 50 Torr. Characteristics may change under different operating conditions.

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