

## 3M<sup>™</sup> Liqui-Cel<sup>™</sup> MM-1.7×5.5 Series Membrane Contactor

## **Typical Properties Membrane** Characteristics Parallel Flow **Cartridge Configuration** Lumenside Liquid Flow **Liquid Flow Guidelines** <2500 ml/min Membrane Type X50 Fiber Membrane/Potting Material Polypropylene/Polyurethane Priming Volume (approximate) 78 ml Shellside Lumenside 53 ml **Pressure Guidelines\*** Maximum Lumenside LIQUID 5-20°C, 4.1 barg (41-68°F, 60 psig) mm (7.2 in) Working Temperature/ Pressure 40°C, 2.1 barg (104°F, 30 psig) 43 mm \* Note: Liquid pressure should always exceed gas pressure. (1.7 in) 821 **Housing Characteristics** Material Polycarbonate **Flange Connections** Standard Female Luer Lock Shellside (gas/vacuum) Supplied with two ¼ inch Hosebarb adaptors which mate to ¼ inch ID tubing Lumenside (wetted surface) 1/4 inch FNPT **Seal Options** Material Applications EPDM All Purpose Weight (approximate) Dry 142 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<sup>™</sup> Liqui-Cel<sup>™</sup> MM-1.7×5.5 Series Membrane

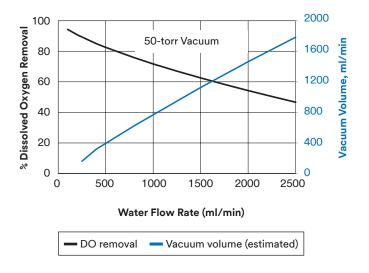
Contactors are constructed of FDA Title 21 CFR § 174-186 compliant materials for wetted parts only at ambient temperatures.

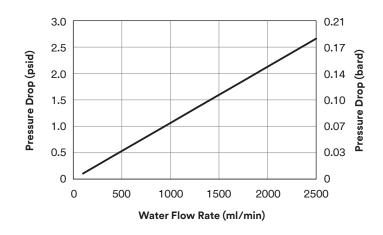
All dimensions are nominal values. See full housing drawing on 3M.com/Liqui-Cel for additional details.

mm (4.5 in)

## Not for consumer sale or use.

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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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