



3M™ Liqui-Cel™ SP-2×6 Series Membrane Contactor

Typical Properties

Membrane Characteristics	
Cartridge Configuration	No Baffle Radial Flow
Liquid Flow Guidelines	100 ml/min – 1 liter/min (Liquid must flow on the shellside)
Membrane Type	UP Series
	UP II Series
	Recommended for low surface tension liquids that are water-based
	Recommended for low surface tension fluids with aggressive formulations
Membrane/Potting Material	Polyolefin / Polyethylene
Priming Volume (approximate)	
Shellside	77 ml

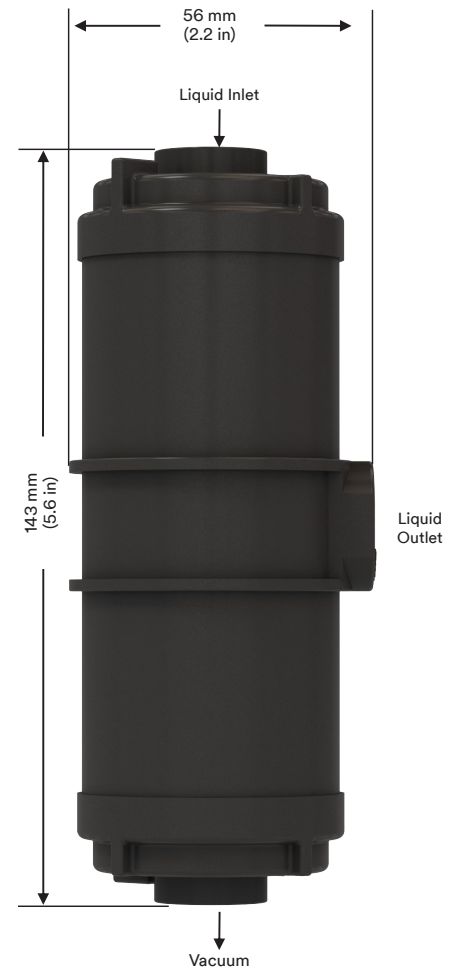
Pressure Guidelines*	
	UP
	UP II
Maximum Shellside LIQUID Working Temperature/ Pressure	5-25°C, 4.1 barg (41-77°F, 60 psig) 50°C, 1.0 barg (122°F, 15 psig)
	5-25°C, 7.2 barg (41-77°F, 105 psig) 75°C, 1.0 barg (167°F, 15 psig)

* Note: Liquid pressure should always exceed gas pressure. If no vacuum is used, 1.0 barg (15 psig) can be added to pressures above.

Housing Options and Characteristics	
Material	Polyethylene
Connections	
Shellside (Liquid Inlet/Outlet)	¼ inch NPT Female
Lumenside (vacuum)	¼ inch NPT Female

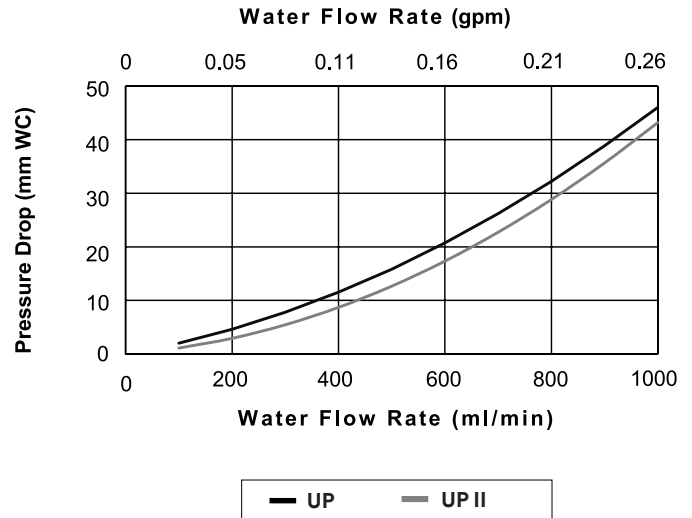
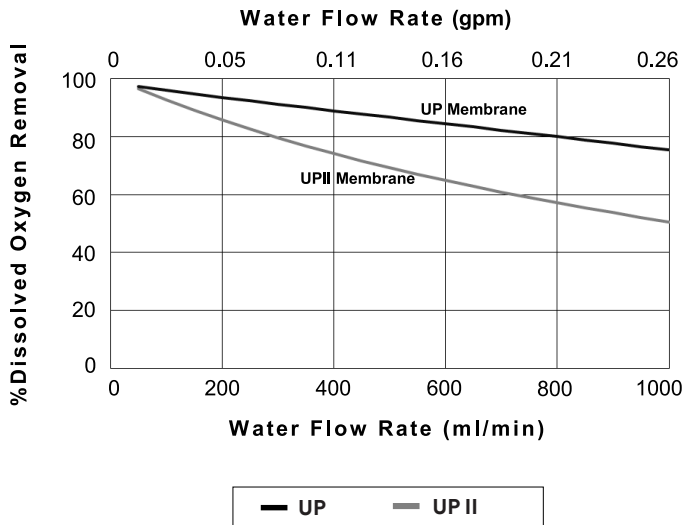
Weight (approximate)	UP Series	UP II Series
Dry	140 grams	
Water-filled (shellside- water)	220 grams	

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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Test condition O₂ Removal: Vacuum mode with water at 45°C. Vacuum: 50 torr

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LENNTECH

info@lennotech.com Tel. +31-152-610-900

www.lennotech.com Fax. +31-152-616-289