



3M™ Liqui-Flux™ Membrane Module MF-PP Series, Type B42

Typical Properties

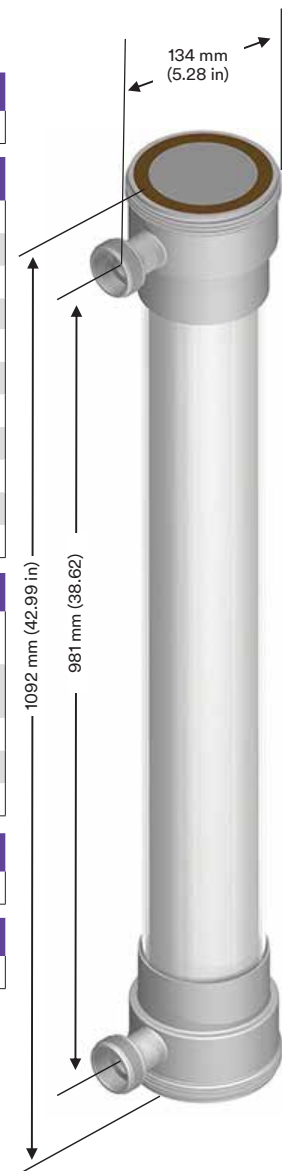
Applications	
Intended Use	Vinegar Filtration

Module Characteristics	
Membrane Surface Area	6.4 m ²
Membrane Type	MF-PP
Membrane Material	Polypropylene
Pore Size (nominal)	0.2 μm
Capillary Inner Diameter	1.2 mm
Operating Mode	Cross-Flow Filtration Inside-Out
Housing Material	Polysulfone
Potting Material	Polyurethane
Connection Concentrate	Screw connection 6" NPSM
Connection Filtrate	Screw connection 1½" NPSM
Maximum Housing Pressure at Temperature	4.0 bar at 20°C

Operating Conditions	
Maximum Transmembrane Pressure Inside - Outside	2.5 bar at 20°C
	1.5 bar at 40°C
Maximum Back Flush Pressure Above Outlet Pressure	1.0 bar at 20°C
	0.5 bar at 40°C
Inlet Liquid Volume Flow (for velocity of 1 m/s)	~11 m ³ /h
pH-range During Operation	2 – 10
pH-range During Short Term Cleaning	2 – 13

Cleaning Conditions	
Maximum Inlet Pressure at Temperature	1.0 bar at 50°C

Regulatory Compliance	
According (EU) 10/2011 & (EC) 1935/2004	



All dimensions are nominal.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer: Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

3M and Liqui-Flux are trademarks of 3M Company. All other trademarks are the property of their respective owners. © 2017 3M Company. All rights reserved.



**Separation and Purification
Sciences Division**
13840 South Lakes Drive
Charlotte, North Carolina
28273 USA
Phone: +1 980 859 5400
Fax: +1 704 587 8610

**3M Deutschland GmbH
Separation and Purification
Sciences Division**
Öhder Straße 28
42289 Wuppertal Germany
Phone: +49 202 6099 - 0
Fax: +49 202 6099 - 241

LF-1023
Rev. 04/2017

3M.com/Liqui-Flux