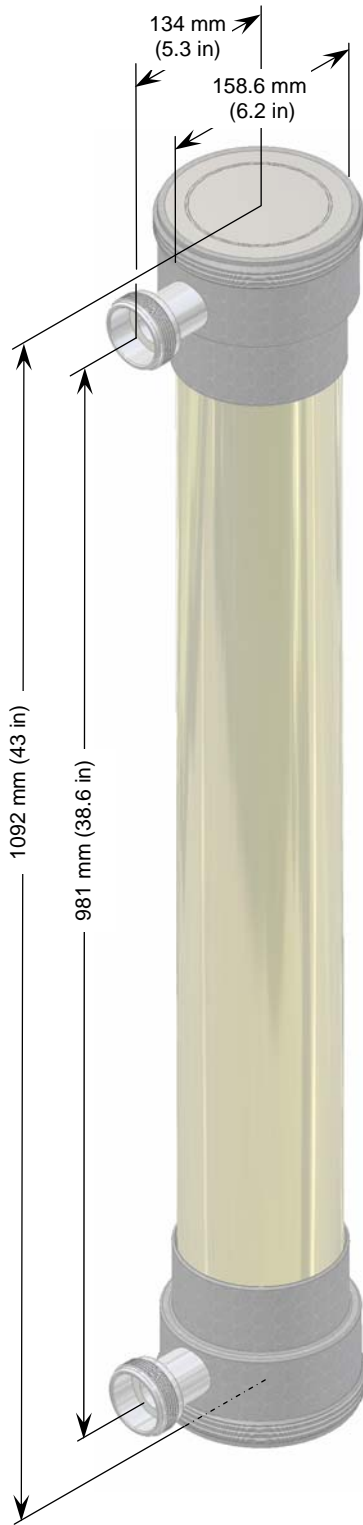


Liqui-Flux® W03 WATER FILTRATION PRODUCT DATA SHEET



All Dimensions are Nominal

Membrane Characteristics	
Membrane Type	Hollow Fiber, Inside - Out
Membrane Material	Modified Polyethersulfone
MWCO, Nominal	80 kDa
Outer / Inner Diameter	1250 µm / 800 µm
Recommended Cut Off Prefiltration	100 µm
Burst Pressure	≥ 1200 kPa (174 psi)
Implosion Pressure	≥ 700 kPa (101.5 psi)

Housing Characteristics	
Housing Material	Polysulfone
Potting Material	Polyurethane
Sealing Material (optional*)	Silicone
Connectors	Threaded
Shipping Weight	10 Kg (22 lbs.)
Weight Filled With Liquid	21 kg. (46.3 lbs.)
Effective Membrane Surface Area	12 m ² (129 ft ²)
Max. Working Pressure	400 kPa (58 psi) @ 20°C (68°F)
Max. Working Temperature	40° C (104°F) @ 150 kPa (22 psi)
pH-Range During Cleaning	2-12

* Connecting set available

(D3_LF_W03 8/07)

Regulatory Compliance

U.S.A.	<i>FDA: All components of the W03 Beverage Filtration module manufactured after 2006, when used in accordance with recommendations given in our product literature at and below ambient temperatures, are in compliance with all relevant FDA regulations as specified in Title 21 of the Code of Federal Regulations.</i>
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Typical Application / Operating Data:		
Operating mode		Dead-End / Cross-Flow
Typical flux range, filtration	l/m ² *h	70 - 120
Typical flux range, backwash	l/m ² *h	150 - 250
Filtrate flow rate range	m ³ /h	0.8 – 1.6
Typical transmembrane pressure, filtration	kPa (psi)	10 - 70 (1.45 - 10.15)
Typical transmembrane pressure, backwash	kPa (psi)	50 - 100 (7.2 – 14.5)
Max. transmembrane pressure	kPa (psi)	150 (21.7)
Backwash frequency	h ⁻¹	1 - 4
Backwash duration	sec.	20 - 90
CEB ^{**} frequency (maximum)	d ⁻¹	1 - 8
CEB ^{**} duration	min	2 - 15
Typical instantaneous chlorine tolerance	ppm	100 - 200
Typical free chlorine exposure	ppm h	200000
Typical instantaneous hydrogen peroxide tolerance	ppm	200
Typical cleaning chemicals		NaOCl, HCl, NaOH, H ₂ O ₂ , Citric Acid, Enzymatic Compounds

* Connecting set available as option

** CEB = Chemical Enhanced Backwash

This product is to be used only by persons familiar with its use. It must be maintained within the stated limitations. All sales are subject to Seller's terms and conditions. Purchaser assumes all responsibility for the suitability and fitness for use as well as for the protection of the environment and for health and safety involving this product. Seller reserves the right to modify this document without prior notice. Check with your representative to verify the latest update. To the best of our knowledge the information contained herein is accurate. However, neither Seller nor any of its affiliates assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material and whether there is any infringement of patents, trademarks, or copyrights is the sole responsibility of the user. Users of any substance should satisfy themselves by independent investigation that the material can be used safely. We may have described certain hazards, but we cannot guarantee that these are the only hazards that exist.

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