



3M™ Liqui-Flux™ Membrane Module UF-PES Series, Type W10-08A

Typical Properties

Applications	
Intended Use	Ultrafiltration
Membrane Characteristics	
Membrane Type	Hollow fiber, inside - out
Membrane Material	Polyethersulfone
Outer / Inner Diameter	1.2 mm / 0.8 mm
Burst Pressure	≥ 1200 kPa (174 psi)
Membrane Configuration	Multifiber P.E.T. Technology
Housing Characteristics	
Housing Material	PVC
Potting Material	Polyurethane
Sealing End Caps	EPDM
Connectors	Variable, see back side
Weight, Dry	51 kg (113 lbs)
Weight Filled with Liquid	133 kg (293 lbs)
Effective Membrane Surface Area	79 m ² (850 ft ²)
Maximum Working Pressure	600 kPa (87 psi) @ 20°C (68°F)
Maximum Working Temperature	40°C (104°F) @ 400 kPa (58 psi)
Regulatory Compliance	
Germany	KTW
USA	ANSI / NSF61

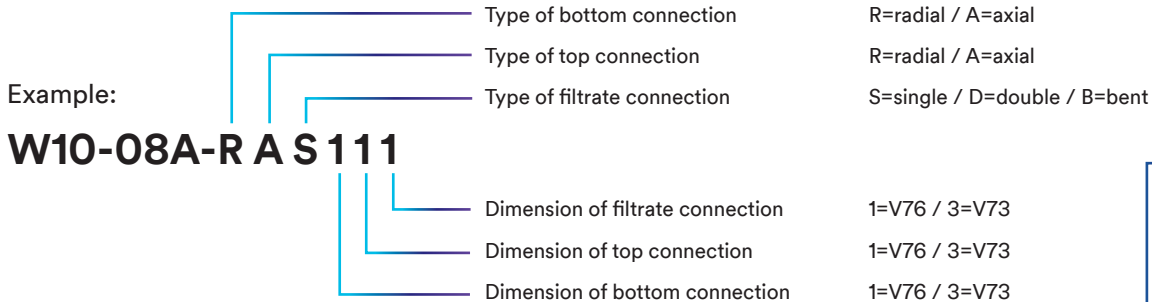


Typical Application / Operating Data	
Operating Mode	Dead-End / Cross-Flow
Typical Flux Range, Filtration	50 - 150 l/m ² *h (29 - 88 gal/ft ² *day)
Typical Flux, Backwash	250 l/m ² *h (147 gal/ft ² *day) (-10% / +20%)
Filtrate Flow Rate Range	4 - 12 m ³ /h (16 - 53 gpm)
Typical Transmembrane Pressure, Filtration	10 - 70 kPa (1.5 - 10 psi)
Typical Transmembrane Pressure, Backwash	50 - 200 kPa (7 - 30 psi)
Maximum Transmembrane Pressure, Filtration	250 kPa (36 psi)
Typical Cleaning Chemicals	NaOH, HCl, NaOCl
pH-Range During Cleaning	1 - 13
Maximum Instantaneous Free Chlorine Concentration	200 ppm @ pH ≥9.5
Maximum Free Chlorine Exposure	200000 ppm h @ pH ≥9.5

Variable Connect Concept - VCC

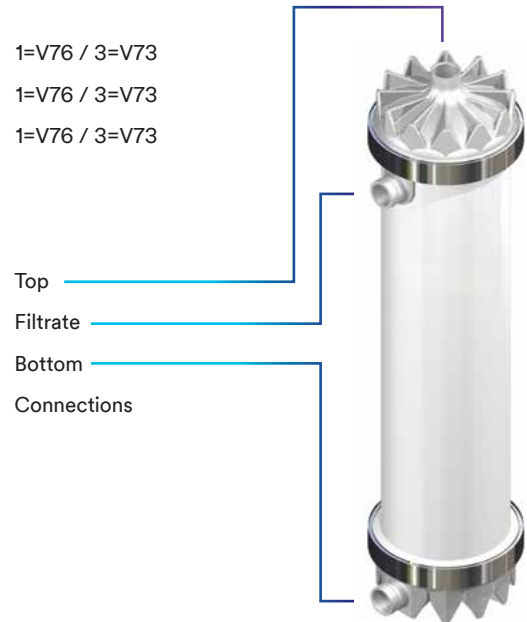
3M™ Liqui-Flux™ Membrane Module UF-PES Series, Type W10-08A are optionally equipped with one or two filtrate ports and end caps with axial or radial port. The connection of those ports is available as Victaulic® 76 mm or 73 mm.

Those options are defined by the following code:



All end caps are prepared to fasten the module directly on the skid or to connect it to other modules.

To obtain dimensions information of the several versions including additional options, please refer to the separate 3M™ Liqui-Flux™ VCC dimensions document available upon demand and on 3M.com/Liqui-Flux.



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.



LENNTECH
WATER TREATMENT SOLUTIONS

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

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