

MexFil™ WMC200 UF075

Ultrafiltration membrane module for water and wastewater applications

PRODUCT DESCRIPTION

The MexFil™ WMC200 UF075 ultrafiltration modules have the following features:

- Use for potable water production, RO pretreatment, municipal and industrial wastewater treatment;
- Excellent removal of suspended solids, turbidity, bacteria and viruses;
- Inside-out operation in a cross-flow or dead end filtration mode;
- Improved fouling behavior compared to existing ultrafiltration membranes;
- Vertical mounting in a skid in new and existing installations;

MODULE SPECIFICATIONS

Membrane Surface Area 43.5 m²

Module Dimensions

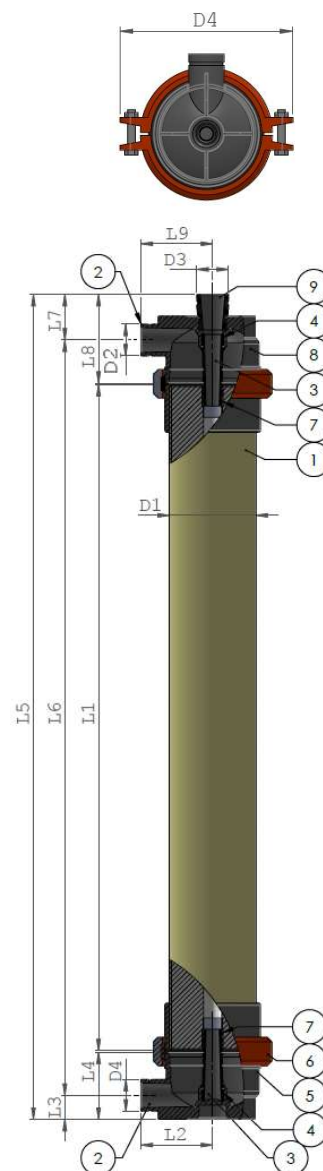
L1	1537 mm	D1	200 mm
L2	165 mm	D2	2 ½" (73 mm)
L3	56 mm	D3	2 ½" (73 mm)
L4	158 mm	D4	364 mm
L5	1903 mm		
L6	1742 mm		
L7	105 mm		
L8	208 mm		
L9	165 mm		

MATERIALS OF CONSTRUCTION

Housing	PVC-U Cream
Internals	ABS/PP/PE
Potting Material	Epoxy resin

ASSEMBLY COMPONENTS¹

- 1 Module
- 2 Feed/concentrate connection (grooved coupling)
- 3 Permeate interconnector
- 4 O-ring (feed side)
- 5 End cap (closed side)
- 6 8" grooved coupling (219.1 mm)
- 7 O-ring (permeate side)
- 8 End cap (open side)
- 9 Permeate connector (grooved coupling)



¹two end caps and two 8" grooved coupling are delivered with each module

MexFil™ WMC200 UF075

Ultrafiltration membrane module for water and wastewater applications

MEMBRANE SPECIFICATIONS

Membrane material	Modified PES
MWCO ^{2, 3}	75 kDa
Pore size	15 nm
Membrane fiber inner diameter	0.8 mm

²Measured with dextran;

³Molecular Weight Cut-Off (MWCO) is an estimation as it depends on size, shape, charge and polarity of the compound being tested, as well as test conditions.

TYPICAL OPERATING RANGES

Max. system pressure ⁴	6 bar
Max. transmembrane pressure ⁴	3 bar
Max. backwash pressure ⁴	3 bar
Max. temperature during operation & cleaning	40°C
pH during continuous operation	2-12
pH during cleaning	1-13
Max. active chlorine concentration	500 ppm @ pH>10
Max. cumulative active chlorine exposure	250,000 ppm-hours @ pH>10
Typical flux	50-100 LMH
Typical backwash flux	100-250 LMH

⁴Max. pressures at 20°C.

FEED WATER SPECIFICATIONS

Max. TSS	200 ppm
Max. turbidity	100 NTU
Max. particle size	300 µm

PRODUCT CERTIFICATIONS



K100616



K100658



K100659

your membrane partner

NX Filtration B.V. | Institutenweg 35 | 7521PH Enschede | The Netherlands | +31 (0)85 047 99 00 | www.nxfiltration.com | info@nxfiltration.com

The statements, technical information and recommendations contained herein are believed to be accurate at the date of publication. Since the conditions and methods of use of the product and/or the information referred to herein are beyond our control, NX Filtration B.V. expressly disclaims any and all liability as to any results obtained from or arising out of any use of the product and/or reliance on such information. NO WARRANTIES OR GUARANTEES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OF TITLE, OF NONINFRINGEMENT OF THIRD PARTY RIGHTS OR ANY OTHER WARRANTY ARE MADE CONCERNING THE PRODUCTS DESCRIBED AND/OR THE INFORMATION PROVIDED HEREIN.