

# MexFil™ WMC110 UF075

*Ultrafiltration membrane module for water and wastewater applications*

## PRODUCT DESCRIPTION

The MexFil™ WMC110 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 and used for low flow rates and in pilots;

## MODULE SPECIFICATIONS

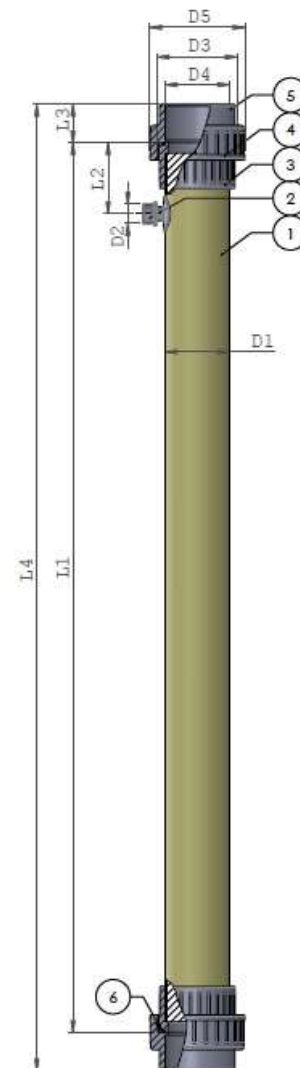
<b>Membrane Surface Area</b>	14.7 m <sup>2</sup>
<b>Module Dimensions</b>	<b>D1</b> 110 mm
<b>L1</b> 1546 mm	<b>D2</b> 1.0" BSPP
<b>L2</b> 131 mm	<b>D3</b> 5.0" BSPP
<b>L3</b> 66 mm	<b>D4</b> 110 mm
<b>L4</b> 1678 mm	<b>D5</b> 163 mm

## MATERIALS OF CONSTRUCTION

<b>Housing</b>	PVC-U Cream
<b>Internals</b>	PE
<b>Potting Material</b>	Epoxy resin

## ASSEMBLY COMPONENTS

- 1 Module
- 2 Permeate connection
- 3 Union bush
- 4 Nut
- 5 Union end
- 6 O-ring



# MexFil™ WMC110 UF075

**Ultrafiltration membrane module for water and wastewater applications**

## MEMBRANE SPECIFICATIONS

Membrane material	Modified PES
MWCO <sup>1, 2</sup>	75 kDa
Pore size	15 nm
Membrane fiber inner diameter	0.8 mm

<sup>1</sup>Measured with dextran;

<sup>2</sup>Molecular 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 <sup>3</sup>	10 bar
Max. transmembrane pressure <sup>3</sup>	3 bar
Max. backwash pressure <sup>3</sup>	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

<sup>3</sup>Max. 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](http://www.nxfiltration.com) | [info@nxfiltration.com](mailto: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.