

MexFil™ MP025 UF010

Ultrafiltration membrane module for water and wastewater applications

PRODUCT DESCRIPTION

The MexFil™ MP025 UF010 ultrafiltration modules have the following features:

- For lab scale test units;
- Excellent removal of suspended solids, colloidal silica, turbidity, bacteria and viruses;
- Excellent pH tolerance;
- Inside-out operation in a cross-flow or dead end filtration mode;

MODULE SPECIFICATIONS

Membrane Surface Area 0.067 m²

Module Dimensions

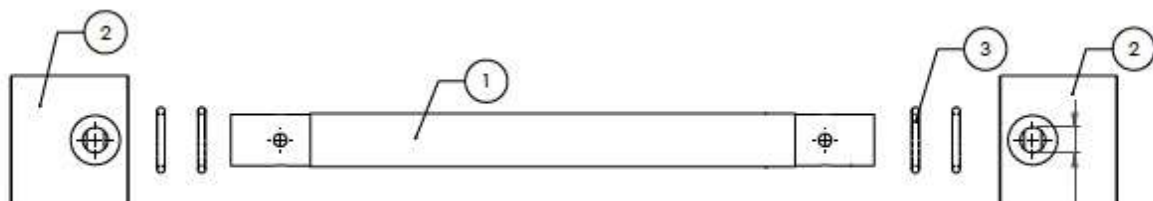
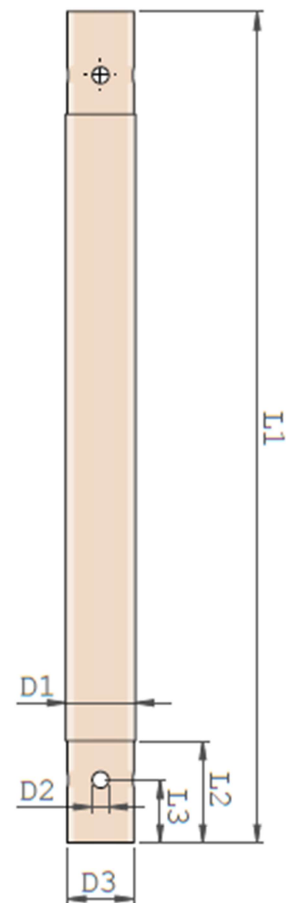
L1	300 mm	D1	25 mm
L2	37 mm	D2	6 mm
L3	23 mm	D3	24 mm

MATERIALS OF CONSTRUCTION

Housing	PVC transparent
Internals	None
Potting Material	Epoxy resin

ASSEMBLY¹

- 1 Module
- 2 Endcaps (Material: PP)
- 3 O-rings (Material: EPDM) size: 23.39 x 3.53 mm



¹Assembly components not included in the scope of supply of a MP025 UF010 module. Please contact NX Filtration for the purchase of a complete assembly kit.

MexFil™ MP025 UF010

Ultrafiltration membrane module for water and wastewater applications

MEMBRANE SPECIFICATIONS

Membrane material	Modified PES
MWCO ^{2,3}	5-10 kDa
Pore size	5-10 nm
Membrane fiber inner diameter	0.7 mm

²Molecular 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;

³Mesaured with dextran.

TYPICAL OPERATING RANGES

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

⁴Maximum pressures at 20°C.

FEED WATER SPECIFICATIONS

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

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 MECHANABILITY, 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.