

MexFil™ MP025 UF075

Ultrafiltration membrane module for water and wastewater applications

PRODUCT DESCRIPTION

The MexFil™ MP025 UF075 ultrafiltration modules have the following features:

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

MODULE SPECIFICATIONS

Membrane Surface Area 0.071 m²

Module Dimensions

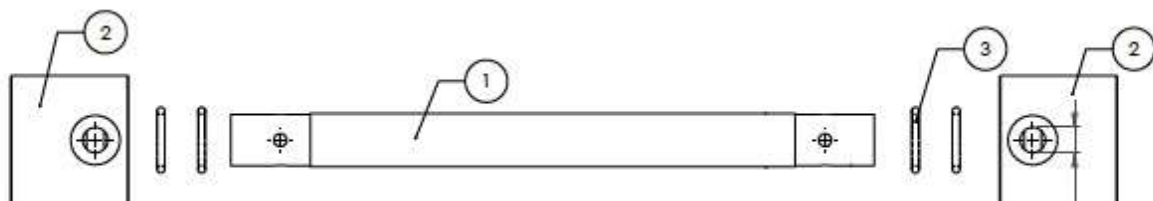
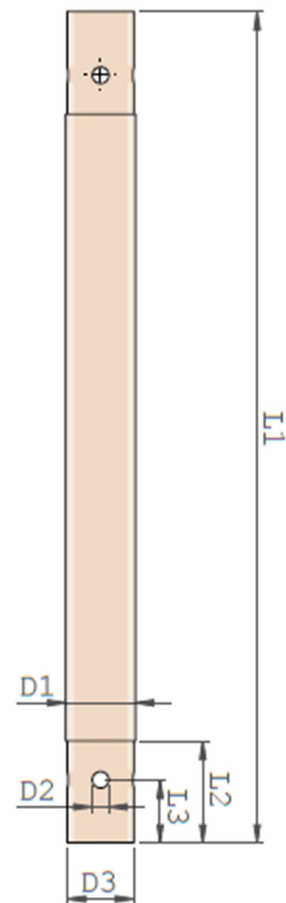
L1	300 mm	D1	25 mm
L2	37 mm	D2	6 mm
L3	23 mm	D3	24 mm

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 UF075 module. Please contact NX Filtration for the purchase of a complete assembly kit.

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MEMBRANE SPECIFICATIONS

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

³Mesasured with dextran.

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 range during operation	2-12
pH range during cleaning	1-14
Max. active chlorine concentration	500 ppm @ pH>10
Max. cumulative active 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

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