

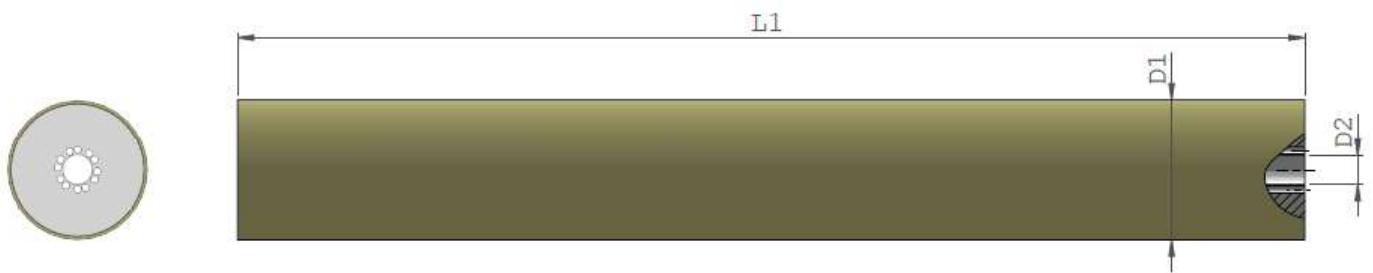
# MexFil™ WED200 UF075

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

## PRODUCT DESCRIPTION

The MexFil™ WED200 UF075 ultrafiltration elements have the following features:

- Use for production of potable water, RO pretreatment, municipal and industrial wastewater treatment;
- Excellent removal of suspended solids, turbidity, bacteria and viruses;
- Inside-out operation in a semi dead-end filtration mode;
- Improved fouling behavior compared to existing ultrafiltration membranes;
- Horizontal installation inside a 8" pressure vessel in new or existing installations.



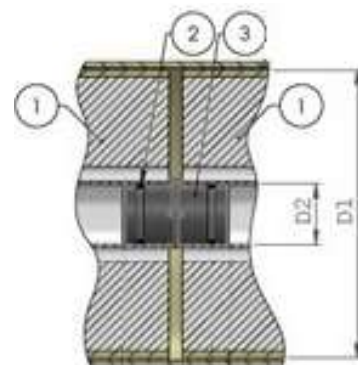
## MODULE SPECIFICATIONS

<b>Membrane surface area</b>	41 m <sup>2</sup>
<b>Element dimensions</b>	
<b>L1</b> Element length	1528 mm
<b>D1</b> Outer diameter housing	200 mm
<b>D2</b> Inner diameter permeate tube	42.6 mm

### Materials of construction

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

## ASSEMBLY COMPONENTS<sup>1</sup>



- 1** WED200 UF075 elements
- 2** O-Rings
- 3** Permeate interconnector<sup>1</sup>

<sup>1</sup>One permeate interconnector and two O-Rings are delivered with each element.

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## MEMBRANE SPECIFICATIONS

Membrane material	Modified PES
MWCO <sup>2, 3</sup>	75 kDa
Pore Size	15 nm
Membrane fiber inner diameter	0.8 mm

<sup>2</sup>Mesaured with dextran;

<sup>3</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>4</sup>	6 bar
Max. transmembrane pressure <sup>5</sup>	3 bar
Max. backwash pressure <sup>5</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>4</sup>Refer to specifications pf pressure vessel supplier;

<sup>5</sup>Max. pressures at 20°C.

## FEED WATER SPECIFICATIONS

Max. TSS	100 ppm
Max. turbidity	50 NTU
Max. particle size	300 µm

## PRODUCT CERTIFICATIONS



K100616



K100658



K100659

your membrane partner

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