

#### **PRODUCT DESCRIPTION**

The MexFil™ MP025 UF075 ultrafiltration modules can be used for pilot trials to test:

- Applications to treat ground and surface water, and for reuse of industrial or municipal wastewater effluents;
- The removal of particles, turbidity, TOC, bacteria, and viruses;
- Production of potable water and process water;
- Inside-out operation, typically in a semi dead-end filtration mode, cleaning regularly by a combination of forward flush and a backwash supported by a chemically enhanced backwash, providing perfect control of the membrane fouling rate.

These modules can be used in the NX Filtration MexPplorer Test Unit. A connector set can be provided to connect the modules.

The unique hollow fiber UF075 ultrafiltration membrane has an average pore size of less than 15 nm providing an improved fouling behaviour compared to existing ultrafiltration membranes.

#### **MEMBRANE SPECIFICATIONS**

Membrane material	Modified PES
Nominal MWCO*	75,000 Da
Membrane charge	Negative charge @ pH=7
Nominal fiber ID	0.8 mm

\* 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 the test conditions.

#### **MODULE SPECIFICATIONS**

##### **Dimensions**

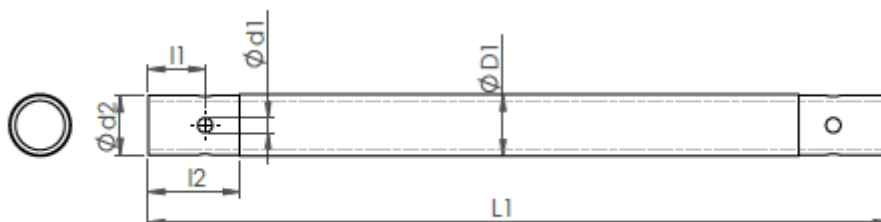
Length (L1)	300 mm
Outer diameter housing (D1)	25 mm (1 inch)
Permeate outlet diameter (d1)	6 mm (4 outlets each side)
Permeate connector position (l1)	23 mm
Nominal membrane area	0.070 m <sup>2</sup>

##### **Connections**

Type	proprietary end cap available
Outer diameter end cap (d2)	24 mm
Length end cap (l2)	37 mm

##### **Materials of constructions**

Housing	PVC-U Transparant
Internals	PE netting
Potting material	Epoxy resin



#### **PRODUCT CERTIFICATION**

According to NSF, KTW and Kiwa ATA regulations.