PRODUCT DESCRIPTION
The MexFil™ WMC200 dNF40 nanofiltration modules can be used for:
- Applications to treat ground and surface water, and for reuse of industrial or municipal wastewater effluents;
- The removal of organics, many (micro)pollutants, softening in combination with partial desalination producing potable water or process water;
- A wide range of process applications including caustic cleaning fluid recycling due to the excellent pH tolerance;
- Inside-out operation, typically in a crossflow filtration mode, cleaning regularly by a combination of forward flush, module feed-side drain and a backwash supported by a chemically enhanced forward flush, providing perfect control of the membrane fouling rate;
- Vertical mounting inside a skid being plug-and-play compatible for the replacement of modules in existing installations.

The unique hollow fiber nanofiltration modules replace the 2-step conventional treatment of a hollow fiber ultrafiltration module followed by a spiral wound nanofiltration or reverse osmosis module by one simple step.

MEMBRANE SPECIFICATIONS
Membrane material Modified PES with a high chlorine tolerance
Nominal MWCO* 400 Da
Nominal membrane rejection for MgSO₄** 93%
Membrane charge Negative charge @ pH=7
Nominal fiber ID 0.7 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.

** Test conditions: 600 mg/l MgSO₄, 2.5 bar, 25 °C, v=0.5 m/s.

MODULE SPECIFICATIONS
Dimensions
Length (L1) 1537 mm
Outer diameter housing (D1) 200 mm (8 inch)
Inner diameter permeate tube (d1) 42 mm
Nominal membrane area 42 m²

Connections
Type 200 mm (standard flange; dedicated end caps available)
Outer diameter end cap connector (D2) 315 mm

Materials of constructions
Housing PVC-U Cream
Internals ABS/PP
Potting material Epoxy resin

PRODUCT CERTIFICATION
According to NSF, KTW and Kiwa ATA regulations.