

nx
filtration



UF

Ultrafiltration membranes

Designed to deliver exceptional
performance and sustainability



Clean and affordable water for all

NX Filtration is your membrane partner for sustainable water treatment. We produce advanced hollow fiber membrane modules for nanofiltration, **ultrafiltration** and microfiltration applications.

Ultrafiltration Membranes

At NX Filtration, we offer cutting-edge ultrafiltration (UF) membranes designed to deliver exceptional performance and sustainability. Our UF membranes are the ideal choice for retaining microorganisms, bacteria, viruses, and suspended particles, providing a stable, reliable, and consistent water quality. This selective filtration ensures optimal water treatment for diverse applications.





More information on our UF portfolio and downloads



Our Open Source module p

	WED200 UF150 41
Surface area	41 m ²
Inner diameter	0.8 mm
Configuration	Horizontal

	WMD220 UF150 55
Surface area	55 m ²
Inner diameter	0.8 mm
Configuration	Vertical + horizontal

Main applications for our UF technology

Potable water
Producing drinking water for residential, commercial, and public consumption.



Reverse Osmosis Pretreatment
Optimum pre-treatment for RO systems, increasing the lifetime of the membranes.



Did you know?

While standard ultrafiltration (150 kDa) applies in m optimal for applications where the smallest possible is necessary. Tight ultrafiltration removes colloidal s product water free from colloidal material (cloudines



Portfolio

WED200 UF150 53	WMC200 UF150 43
53 m ²	43 m ²
0.8 mm	0.8 mm
Horizontal	Vertical

WMD220 UF150 65	WMD250 UF150 80	WMD220 UF010 54
65 m ²	80 m ²	54 m ²
0.8 mm	0.8 mm	0.7 mm
Vertical + horizontal	Vertical	Vertical

HYDRAcap 60	HYDRAcap 60+	HYDRAcap 40LD	HYDRAcap 60LD
46 m ²	56 m ²	19 m ²	30 m ²
0.8 mm	0.8 mm	1.2 mm	1.2 mm
Vertical	Vertical	Vertical	Vertical

In many cases, tight ultrafiltration (10 kDa) is a fine-pore-size without removal of dissolved matter and silica without removal of minerals and produces a high-quality water (low TOC) and biopolymers (biofilm formation).

Municipal wastewater reuse

Treating municipal wastewater to enable reuse for industrial processes, drinking water replenishment or potable water.



Industrial wastewater reuse

Treating industrial wastewater to allow for reuse in industrial processes.



Ultrafiltration

Built with modified polyethersulfone (PES) chemistry, our membranes exhibit outstanding chlorine tolerance and pH stability, making them reliable even under challenging operating conditions. Engineered for versatility, they operate in an 'inside-out' configuration, adaptable to dead-end or cross-flow modes, enabling precise control of fouling rates and enhanced durability.

Key benefits and differentiators

Modified PES Membrane: Provides superior chemical stability and compatibility across a wide pH range (2-12).

Energy Efficiency: This design eliminates the need for air scour, resulting in lower energy consumption and increased overall process efficiency.

Certified Excellence: Our products meet the highest standards with certifications including KIWA, NSF, ACS, and ISO, guaranteeing performance and reliability.

Superior Pathogen Removal: Certified for 4LOG virus and 6LOG bacteria removal, our PES membranes ensure the highest standards of safety and quality for drinking water applications.

PFAS Regulation Compliance: In light of emerging PFAS challenges, our PES membranes offer a reliable solution unaffected by regulatory discussions, making them a preferred choice for industries dealing with these contaminants.

Enhanced Filtration Efficiency: Our PES membranes are engineered with a narrow pore size distribution, providing superior filtration that results in higher quality effluent across a variety of applications.

Maximum Fiber Protection: The inside-out design ensures that the membrane's separating layer is fully protected from external influences, significantly reducing the risk of fiber breakage and extending the membrane's lifespan.

Comprehensive Retrofit Program: We offer expert support for retrofitting existing filtration systems, allowing clients to upgrade their technology without the need for a complete overhaul, minimizing downtime and maximizing efficiency.

Benefits



Energy
efficient



High LOG
removal



Chemical
stability and
compatibility



Certified
excellence



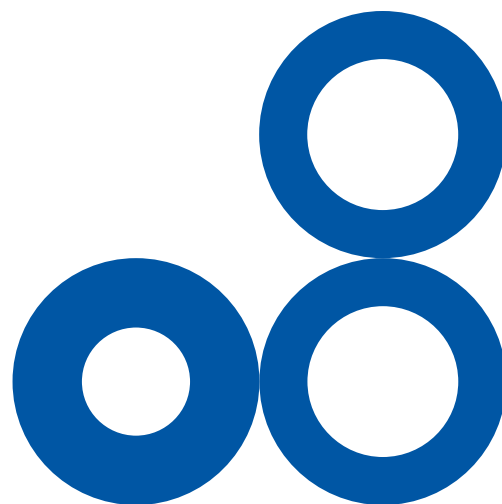
Easy
replacement

Open source: Easy replacement of your UF membrane modules

At NX Filtration, we understand the importance of seamless integration and maintenance in water treatment systems. Our ultra-filtration (UF) membranes are designed not only for exceptional performance but also for straightforward replacement, ensuring minimal downtime and operational efficiency.

Our membranes are compatible with a wide range of commonly known, standard UF brands, making replacement easy and cost-effective. The 'inside-out' configuration allows for simple cleaning and maintenance, reducing the need for frequent replacements while prolonging the lifespan of the membranes. Additionally, our robust modified PES chemistry enhances resistance to fouling and chemical exposure, ensuring consistent performance over time.

We provide tailored support to help you select the ideal replacement membrane for your specific system, whether upgrading existing installations or integrating new solutions. With NX Filtration, you can trust in both the quality of our products and the ease of maintaining your operations.



Drinking water certifications

