



THIN FILM NANOCOMPOSITE

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TFN
MEMBRANE
DEVELOPMENT TEAM

About US	01
Proshare TFN	03
Proshare High Performance TFN Nanocomposite Membrane	07
Naming Rules for Spiral Membrane Element	09
Product Selection Guide	10
RO Membrane Element	11
Loose NF / Compact UNF Membrane Element	23
NF Membrane Element	25
Specialty Membrane Element	27
SPEC Customized Membrane	33
Proshare Intelligent Test Platform	34
Proshare Cloud Platform	35
Cooperating Partners	36

Our Vision / Become a global leader in the separation membrane industry and lead the development of TFN membrane technology

Our Mission / To provide the world's leading membrane products, solutions and professional services, to create value for customers! To contribute to the efficient management and use of global water resources!

Our Core Value /



Professional



Share



Innovate



Proshare is a national high-tech film enterprise founded by a team of returned overseas PH.Ds. The team is led by a national high-level overseas talent. Proshare is dedicated to the research and development and industrialization of TFN film---the 3rd Generation Selective Separation Nanocomposite Film.

With years of research and development and industrialization experience in the field of polymer nanocomposite film, the Proshare team broke through a number of key bottleneck technologies, established the first TFN nanocomposite film coating line with annual output of one million square meters in China and took the lead in mass production, becoming one of the few special film suppliers in the world.

High throughput, anti-contamination and customization of special membranes are the most prominent among the many performance advantages of Proshare TFN's new-generation nanocomposite membrane type reverse osmosis and nanofiltration membranes.

COMPANY PROFILE



PSI Membrane series of the new generation of nano composite membrane TFN high-end membrane is independently developed Proshare Innovation Suzhou Co.,Ltd. , in a true sense, high-quality third generation nanofiltration membrane and reverse osmosis membrane products.

In particular, TFN nanofiltration membrane has ultra-high interception capacity for Hypervalent ions such as heavy metals and toxic organic molecules, while retaining the univalent ions and other beneficial mineral ions and the transmiscibility of high-value materials.

Thanks to the TFN technology of Proshare nanocomposite thin film, the surface of Proshare TFN film has super hydrophilic characteristics and excellent pollution resistance. Compared with traditional TFC film, it has higher flux, lower operating pressure, more energy efficient and environmental protection ability.

PSI MEMBRANE

TFN

The first domestic coating line with annual output of one million square meters

With years of research and industrialization experience in the field of polymer nanocomposite film,the Proshare team broke through a number of key bottleneck technologies, established the first TFN nanocomposite film coating line with annual output of one million square meters in China and took the lead in mass production, becoming one of the few special film suppliers in the world.

1000^{m²}

Equipment test platform

Proshare has a experimental platform nearly 1000 square meters, integrated with a number of pilot test equipments.The experimental platform is used for waste water pretreatment, membrane separation, advanced treatment and other experiments, which can simulate the actual water treatment process to provide solutions that best meet customers' actual situation.

ICP

Advanced water quality monitoring technology

Proshare has as advanced water quality test technology , and master most of the national standard analysis methods and detection capabilities of water quality factors. With advanced equipments such as inorganic mass spectrometer (ICP), COD detector, spectrophotometer, conductivity meter, pH meter and other analytical instruments,Proshare has the ability to do comprehensive and accurate in-depth analysis of water quality.

TFN Expert

TFN (Thin Film Nanocomposite) is the abbreviation of a new generation of nanocomposite Thin Film type reverse osmosis and nanofiltration membrane.

Compared with traditional Thin film Composite TFC (Thin Film Composite) TFN has the advantages of High throughput, Anti-pollution and Special membrane customization.

The Proshare team is one of the earliest teams in the world to focus on research and industrialization of TFN membrane. We are committed to breaking the international monopoly and realizing the intelligent manufacturing of the new generation of high-end TFN membrane in China.

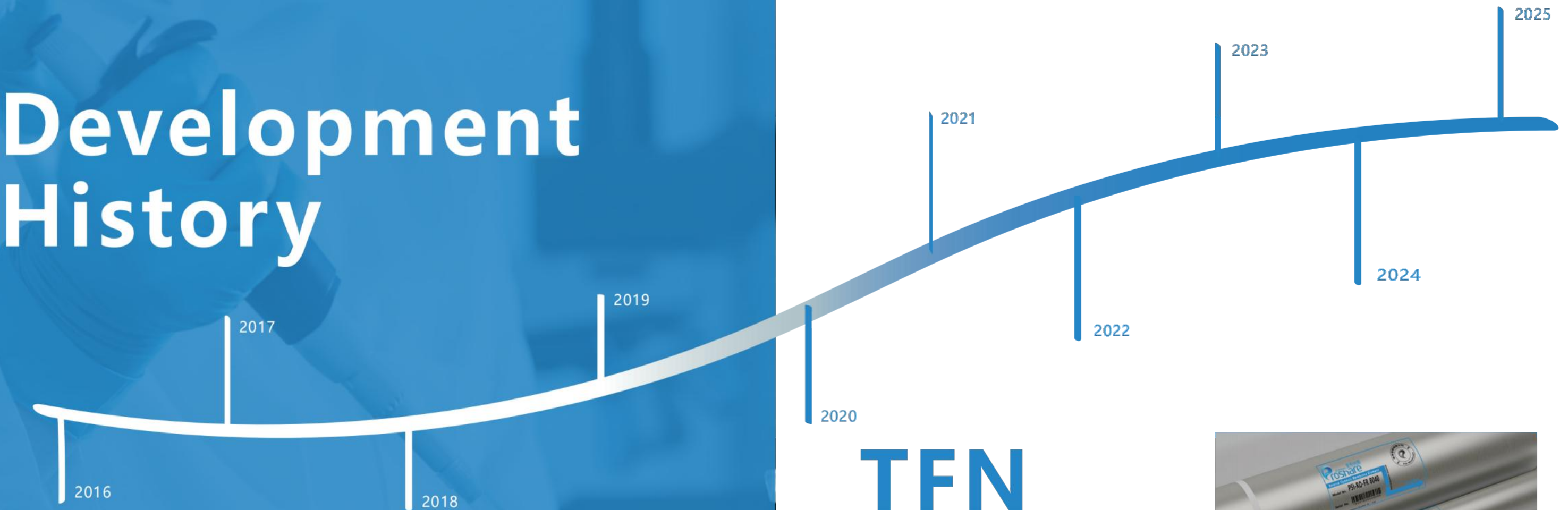


The Proshare R&D team independently developed and constructed the first continuous coating production line of TFN diaphragm in China, which can meet the stable mass production of TFN film and provide professional customized development services of special diaphragm according to the specific needs of customers in different industries.

TFN

MEMBRANE
FABRICATION

Development History



2016 - Proshare's founding team led by Dr. Lin Xiaofeng, an expert of the National Major Talent Introduction Project returned to China.

2017 - Proshare headquartered in Suzhou Nano City, the world's largest nanotechnology industrial application community.

2018 - The first TFN coating production line independently designed by Proshare team was completed and started mass production.

2019 - PSI MEMBRANE® successfully replaced imported nanofiltration membrane products, and was stably applied in textile wastewater, landfill leachate, high salt and high COD wastewater and many other environmental protection fields; Proshare became the first domestic nanofiltration membrane supplier of high-end household nanofiltration water purifier.

2020 - Proshare launched SPEC membrane tailor-made service for large environmental engineering companies and successfully served a number of listed companies.

2021 - Qualified as a supplier of Sinopec, Proshare began to provide TFN membrane integrated solutions for Petrochemical Industry.

2022 - Proshare Shenzhen, Proshare Fujian and Proshare Biomedicine Department was established. Proshare became the first domestic suppliers of high-end membranes for emerging industries such as synthetic biology, lithium batteries, copper foils, etc.

2023 - Pre-A Financing; Completed the domestic replacement of desalination membrane installation for the first Chinese international luxury cruise ship.

2024 - Completed Series A financing; Qingxi Technology was founded; Proshare (Yancheng) and Shanghang Proshare were established; Won the First Prize of the Science and Technology Award of China Membrane Industry Association; Exported products to multiple countries and served a listed semiconductor company in Japan; Recognized as a provincial specialized, refined, distinctive and innovative enterprise.

2025 - Yancheng Proshare Membrane Tech Park put into operation; Achievements rated "internationally advanced";

Recognized as "Jiangsu Gazelle Enterprise"; Suzhou Proshare qualified as ADNOC supplier.

05/06

TFN

普希纳盾



TFN type high-end nanofiltration and reverse osmosis membranes are internationally advanced and truly groundbreaking nanofiltration and high-end reverse osmosis properties, with comparable desalination performance to traditional TFC type membranes and better membrane surface performance and flux.

Compared with traditional TFC, low energy consumption, oxidation resistance, pollution resistance and customizability are the performance advantages of Proshare TFN membrane.

Based on the development situation and demand of local film technology, Proshare is committed to becoming one of the world's third-generation high-end reverse osmosis and nanofiltration membrane industry's most authoritative, efficient and professional high-tech membrane enterprises, leading TFN membrane technology and building a healthy and safe water environment.

With years of research and development and industrialization experience in the field of polymer nano self-assembly, the research team broke through the key bottleneck of industrialization by combining the advantages of major international TFN research directions.

The polymer nanoassembly technology with good industrial mass production basis is used as the synthesis method of the new generation of TFN core desalting layer, and the new generation of nanocomposite membrane type reverse osmosis and nanofiltration membranes are successfully manufactured by combining the nano reinforced materials.

Proshare TFN

Nanocomposite film

Application:

- Softening water treatment
- Removal of harmful substances from drinking water
- Dye decolorization or concentration, heavy metal removal, acid purification
- Separation of oil and water, reuse of degreasing cleaning agent, reuse of water
- Precious metal recovery
- Upgrading of municipal wastewater
- The chemical industry meets the emission standards
- The concentration of various proteins, amino acids and vitamins in food, beverage, pharmaceutical and other fields

The following is only a list of several innovations owned by some TFN membranes:

1. Proshare TFN nanocomposite film not only has desalination performance comparable to traditional TFC polyamide film, but also has innovative atomic-level control precision and ultra-smooth surface roughness at nano scale, which gives TFN film better anti-pollution performance and low-pressure drop than traditional TFC, effectively delaying film flux attenuation caused by biological pollution and other physical scaling.



4. Based on the new generation TFN membrane research and development platform, Proshare has cooperated with Tsinghua University and China Aerospace to jointly develop two world-leading new membranes:

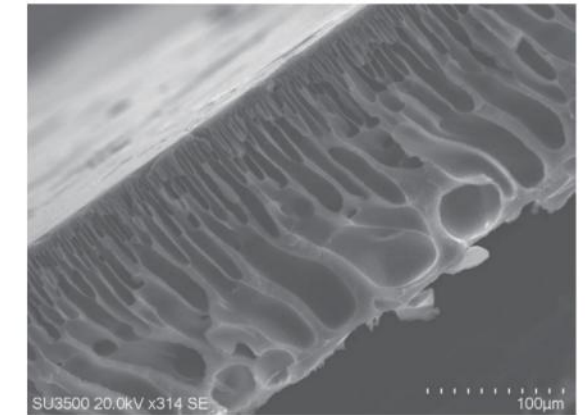
4.1. Proshare TFN acid and alkali resistant film:

At present, only a few manufacturers in the world such as GE-Os-monics in the United States and AMS in Israel can produce industrial acid and alkali resistant film, which is not only expensive, but also has a long supply cycle and serious lag in technical support.

Backed by a national high-level talent research and development team, with the mature TFN research and development platform, Proshare has successfully developed special acid and alkali resistant membranes applicable to the super-large PH range.

- 4.2. Jointly develop the next generation of high-throughput desalination membrane based on TFN patented technology with well-known R&D institutions at home and abroad.

The TFN desalination membrane enhanced by graphene nanochannels aims to achieve or even exceed 99.85% of the desalting performance of LGnanoH2O and greatly improve the water flux.



2. The functional desalting layer with no defects in a large area and much thinner than TFC film makes the flux of the new generation of Proshare TFN greatly increased compared with the traditional TFC, energy consumption can be reduced by up to 50% under the same water production;

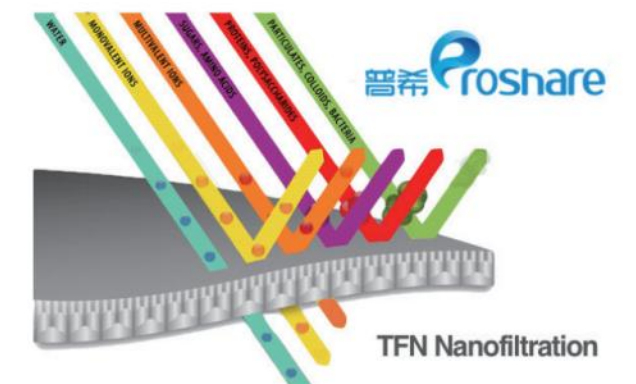
3. Based on the excellent customization function of polymer nano assembly process, TFN has successfully developed several series of high-end special separation membranes, including:

Up to 500000ppm-hr chlorine oxidation resistance reverse osmosis and nanofiltration membranes;

High-end salt separation nanofiltration membrane with high separation coefficient;

Anti-fouling film with low desalting and high COD removal rate

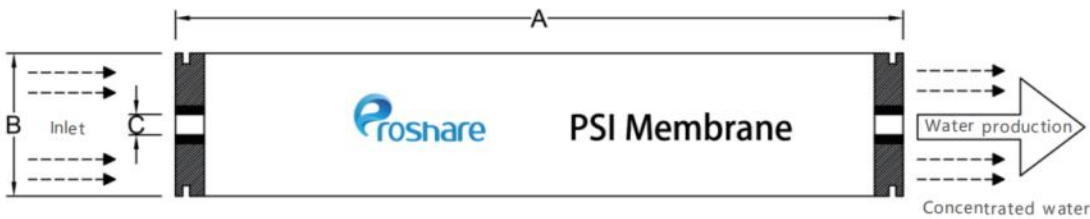
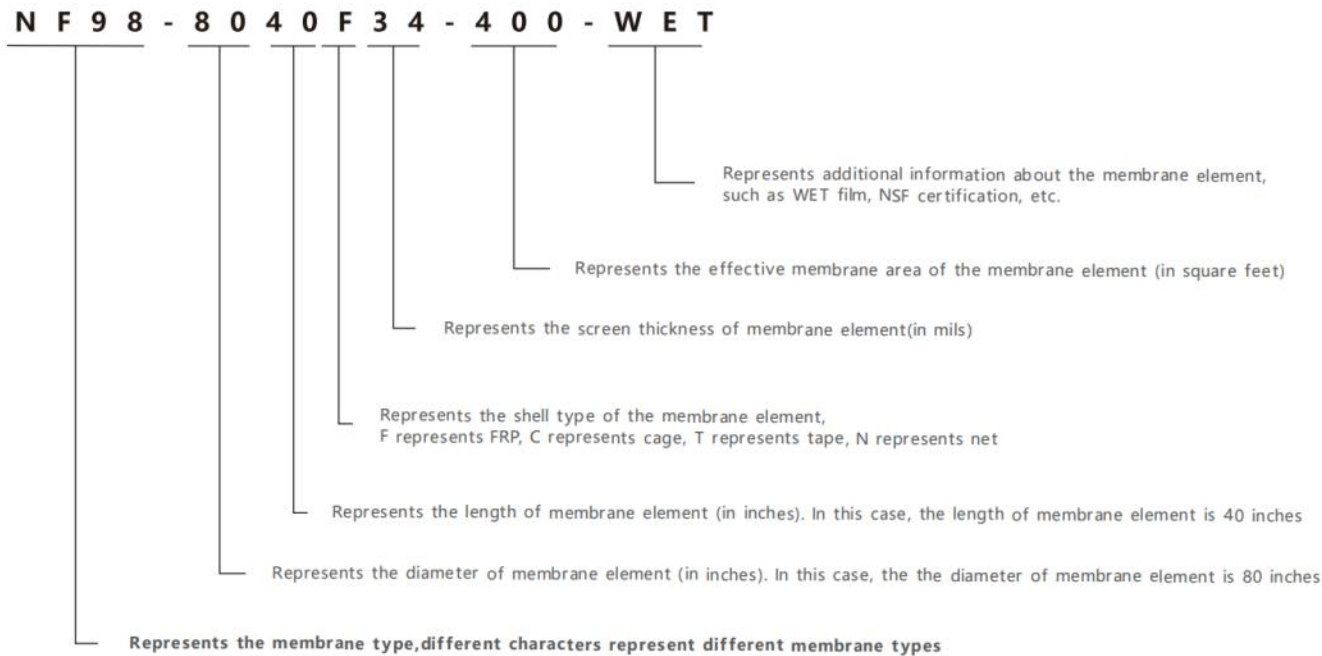
Anti-pollution brackish water sea light film suitable for high-concentration brine and low-energy concentration;



MEMBRANES MODEL

Spiral Membrane Element Naming Rules

Take NF98-8040F34-400-WET as an example



Product	Model	A	B	C
PSI-NF98	4040	1016	100.3	19.1
	8040	1016	200	28.6



MEMBRANES Selection Guide

- 1.RO Membrane Element
- 2.Loose NF / Compact UNF Membrane Element
- 3.NF Membrane Element
- 4.Specialty Membrane Element
- 5.SPEC Customized Membrane

1.RO Membrane Element

Pro-LP Ultra-low Pressure RO Membrane Element

PSI MEMBRANE® Pro-LP Ultra-low Pressure Membrane is a third-generation Thin Film Nanocomposite (TFN) RO membrane element. It achieves high flux at ultra-low operating pressure and led to system investment and operating costs.

Key Features:

- Ultra-low operating pressure combined with high salt rejection rate.
- Stable chemical resistance to cleaning ensures long-term operational reliability.
- Excellent anti-fouling performance of TFN surface for long service life.
- TFN membrane flux is generally 30% higher than traditional TFC, with lower energy consumption.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
Pro-LP-4040	85 (7.9)	34	2800 (10.6)	99.40
Pro-LP-8040	400 (37.2)	34	12000 (45.9)	99.40

1.Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 1500 ppm NaCl, 150 psi(1.03MPa), 77 °F(25 °C), 15% recovery.

2.Permeate flow rate varies by +/-15%.

Operating Condition

Maximum operating temperature	45°C
Maximum operating pressure	600 psi (41 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	2 - 11
Cleaning pH range	1 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

Pro-LPHR Ultra-low Pressure High Salt Rejection RO Membrane Element

PSI MEMBRANE® Pro-LPHR Ultra-low pressure high salt rejection membrane is a third-generation Thin Film Nanocomposite (TFN) RO membrane element. It enhances salt rejection performance while maintaining ultra-low operating pressure, thereby reducing system investment and operating costs.

Key Features:

- Ultra-low operating pressure combined with high salt rejection rate.
- Stable chemical resistance to cleaning ensures long-term operational reliability.
- Excellent anti-fouling performance of TFN surface for long service life.
- TFN membrane flux is generally 30% higher than traditional TFC, with lower energy consumption.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
Pro-LPHR-4040	85 (7.9)	34	2500 (9.5)	99.55
Pro-LPHR-8040	400 (37.2)	34	10500 (39.7)	99.55
Pro-LPHR-8040	440 (40.9)	28	12500 (47.3)	99.65

1.Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 1500 ppm NaCl, 150 psi(1.03MPa), 77 °F(25 °C), 15% recovery.

2.Permeate flow rate varies by +/-15%.

Operating Condition

Maximum operating temperature	45°C
Maximum operating pressure	600 psi (41 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	2 - 11
Cleaning pH range	1 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

Pro-LPFR Ultra-Low Pressure Low-Energy Anti-Fouling RO Membrane Element

PSI MEMBRANE® Pro-LPFR Ultra-low pressure low-energy anti-fouling membrane is a third-generation Thin Film Nanocomposite (TFN) RO membrane element. It enhances salt rejection performance while maintaining ultra-low operating pressure, thereby reducing system investment and operating costs.

Key Features:

- Ultra-low operating pressure combined with high salt rejection rate.
- Stable chemical resistance to cleaning ensures long-term operational reliability.
- Excellent anti-fouling performance of TFN surface for long service life.
- TFN membrane flux is generally 30% higher than traditional TFC, with lower energy consumption.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
Pro-LPFR-4040	85 (7.9)	34	2500 (9.5)	99.55
Pro-LPFR-8040	400 (37.2)	34	10500 (39.7)	99.55

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 1500 ppm NaCl, 150 psi (1.03MPa), 77 °F (25 °C), pH 8, 15% recovery.

2. Permeate flow rate varies by +/-15%.

Operating Condition

Maximum operating temperature	45°C
Maximum operating pressure	600 psi (41 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	2 - 11
Cleaning pH range	1 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

Pro-FR Anti-Fouling Brackish Water RO Membrane Element

PSI MEMBRANE® Pro-FR Thin Film Nanocomposite (TFN) anti-fouling brackish water RO membrane element adopts a proprietary composite membrane. The unique anti-fouling membrane technology endows it with excellent anti-fouling ability and cleanability, ensuring good salt rejection performance while reducing energy consumption and extending cleaning cycles.

Key Features:

- Reduces chemical cleaning frequency and chemical dosage while extending membrane service life
- Lowers energy consumption, with energy savings of up to 30% at the same permeate flow
- Widest pH tolerance range, significantly limiting the growth space of microorganisms.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
Pro-FR-4040	85 (7.9)	34	2400 (9.1)	99.6
Pro-FR-8040	400 (37.2)	34	11000 (41.6)	99.6
Pro-FR-8040	440 (40.9)	32	12500 (47.3)	99.6

1. Standard test conditions: Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 2000 ppm NaCl, 225 psi (1.55MPa), 77 °F (25 °C), 15% recovery

2. Permeate flow rate varies by +/-15%.

Operating Condition

Maximum operating temperature	45°C
Maximum operating pressure	600 psi (41 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	2 - 11
Cleaning pH range	1 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

Pro-XFR Extreme Anti-fouling Brackish Water RO Membrane Element

PSI MEMBRANE® Pro-XFR Anti-fouling Brackish Water Membrane is a third-generation Thin Film Nanocomposite (TFN) RO membrane element. Enhanced anti-fouling technology endows it with excellent anti-fouling ability and cleanability, ensuring high salt rejection performance while reducing energy consumption and extending cleaning cycles. It can perfectly replace anti-fouling brackish water membranes such as DuPont BW30XFR and Suez AG8040F.

Key Features:

- Wide flow channel reduces membrane fouling probability and improves cleaning efficiency.
- Industry's widest pH cleaning range (1-13) and good chemical resistance, providing the most effective cleaning performance, stability, and durability.
- Excellent anti-fouling performance of TFN surface for long service life.
- TFN membrane flux is generally 30% higher than traditional TFC, with lower energy consumption.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
Pro-XFR-4040	85 (7.9)	34	2500 (9.5)	99.7
Pro-XFR-8040	400 (37.2)	34	12000 (45.9)	99.7

1. Standard test conditions: Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 2000 ppm NaCl, 225 psi(1.55MPa), 77 °F(25 °C), 15% recovery.

2. Permeate flow rate varies by +/-15%.

Operating Condition

Maximum operating temperature	45°C
Maximum operating pressure	600 psi (41 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	2 - 11
Cleaning pH range	1 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

Pro-XFRHR High Salt Rejection Extreme Anti-fouling Brackish Water RO Membrane Element

PSI MEMBRANE® Pro-XFRHR high salt rejection extreme anti-fouling brackish water membrane is a third-generation thin-film nanocomposite (TFN) RO membrane element. Unique anti-fouling membrane technology endows it with excellent anti-fouling ability and cleanability, ensuring high salt rejection performance while reducing energy consumption and extending cleaning cycles. It can perfectly replace high salt rejection anti-fouling brackish water membranes such as Toray TML.

Key Features:

- Wide flow channel reduces membrane fouling probability and improves cleaning efficiency.
- Industry's widest pH cleaning range (1-13) and good chemical resistance, providing the most effective cleaning performance, stability, and durability.
- Excellent anti-fouling performance of TFN surface for long service life.
- TFN membrane flux is generally 30% higher than traditional TFC, with lower energy consumption.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
Pro-XFRHR-4040	85 (7.9)	31	2500 (9.5)	99.80
Pro-XFRHR-8040	400 (37.2)	31	11000 (41.6)	99.80

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 1500 ppm NaCl, 225 psi(1.55MPa), 77 °F(25 °C), 15% recovery.

2. Permeate flow rate varies by +/-15%.

Operating Condition

Maximum operating temperature	50°C
Maximum operating pressure	600 psi (41 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	2 - 11
Cleaning pH range	1 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

Pro-BW Brackish Water RO Membrane Element

PSI MEMBRANE® Pro-BW brackish water membrane is a third-generation thin-film nanocomposite (TFN) RO membrane element. Unique anti-fouling membrane technology endows it with excellent anti-fouling ability and cleanability, ensuring high salt rejection performance while reducing energy consumption and extending cleaning cycles.

Key Features:

- Stable chemical resistance to cleaning ensures long-term operational reliability.
- Excellent anti-fouling performance of TFN surface for long service life.
- TFN membrane flux is generally 30% higher than traditional TFC, with lower energy consumption.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
Pro-BW-4040	85 (7.9)	34	2600 (9.8)	99.5
Pro-BW-8040	400 (37.2)	34	10500 (39.7)	99.5
Pro-BW-8040	440 (40.9)	28	12500 (47.3)	99.5

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 2000 ppm NaCl, 225 psi (1.55MPa), 77 °F (25 °C), pH 8, 15% recovery.

2. Permeate flow rate varies by +/-15%.

Operating Condition

Maximum operating temperature	45°C
Maximum operating pressure	600 psi (41 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	2 - 11
Cleaning pH range	1 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

Pro-SWHR High Rejection Seawater Desalination RO Membrane Element

PSI MEMBRANE® Pro-SWHR membrane is a third-generation thin-film nanocomposite (TFN) RO membrane element. Unique anti-fouling membrane technology endows it with excellent anti-fouling ability and cleanability, ensuring high salt rejection performance while reducing energy consumption and extending cleaning cycles.

Key Features:

- Wide flow channel reduces membrane fouling probability and improves cleaning efficiency.
- Stable chemical resistance to cleaning ensures long-term operational reliability.
- Excellent anti-fouling performance of TFN surface for long service life.
- TFN membrane flux is generally 30% higher than traditional TFC, with lower energy consumption.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
Pro-SWHR-2521	13 (1.2)	34	300 (1.1)	99.85
Pro-SWHR-2540	28 (2.6)	34	700 (2.7)	99.85
Pro-SWHR-4021	33 (3.1)	34	800 (3.0)	99.85
Pro-SWHR-4040	90 (8.4)	34	2300 (8.7)	99.85
Pro-SWHR-8040	400 (37.2)	28	7500 (28.3)	99.85
Pro-SWHR-8040	440 (40.9)	28	9000 (34.1)	99.85

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 32000 ppm NaCl, 800 psi (5.5MPa), 77 °F (25 °C), 8% recovery.

2. Permeate flow rate varies by +/-20%.

Operating Condition

Maximum operating temperature	45°C
Maximum operating pressure	1200 psi (83 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	2 - 11
Cleaning pH range	1 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

1. Maximum operating temperature is related to operating pressure and pH value;

2. Maximum operating pressure is related to feed water temperature and pH. If the feed water temperature exceeds 35°C or the feed water pressure exceeds 69 bar, please consult the service personnel;

3. Continuous operating pH limit is related to feed water temperature and operating pressure.

Pro-SW High Flux Seawater Desalination RO Membrane Element

PSI MEMBRANE® Pro-SW membrane is a third-generation thin-film nanocomposite (TFN) high-pressure high salt rejection RO membrane element. Unique anti-fouling membrane technology endows it with excellent anti-fouling ability and cleanability, ensuring high salt rejection performance while reducing energy consumption and extending cleaning cycles.

Key Features:

- Wide flow channel reduces membrane fouling probability and improves cleaning efficiency.
- Stable chemical resistance to cleaning ensures long-term operational reliability.
- Excellent anti-fouling performance of TFN surface for long service life.
- TFN membrane flux is generally 30% higher than traditional TFC, with lower energy consumption.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
Pro-SW-8040	440 (40.9)	28	11000 (41.5)	99.80

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 32000 ppm NaCl, 800 psi(5.5MPa), 77 °F(25 °C), 8% recovery.

2. Permeate flow rate varies by +/-20%.

Operating Condition

Maximum operating temperature	45°C
Maximum operating pressure	1200 psi (83 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	2 - 11
Cleaning pH range	1 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

1. Maximum operating temperature is related to operating pressure and pH;

2. Maximum operating pressure is related to feed water temperature and pH. If the feed water temperature exceeds 35°C and/or the feed water pressure exceeds 69 bar, please consult the service personnel;

3. Continuous operating pH limit is related to feed water temperature and operating pressure.

PX High Concentration Brine Concentration RO Membrane Element

PSI MEMBRANE® PX High Concentration Brine Concentration Membrane is a third-generation thin-film nanocomposite (TFN) high-pressure RO membrane element. It provides reliable and efficient technical solutions for industrial users, helping to solve difficult water treatment problems, assist in wastewater reuse and zero-discharge projects to reduce the amount of concentrated water, reduce the amount of salt water in subsequent thermal processes such as evaporation, and optimize the operating cost of zero-discharge systems. They can perfectly replace high-multiple concentration reverse osmosis membranes such as XC70 and XC80.

Key Features:

- Upgraded chemical-resistant membrane formula ensures long-term reliability and improves cleaning efficiency.
- Professional and efficient national-level expert team provides first-class technical support for customers.
- Super hydrophilic anti-fouling technology ensures long-term operational reliability.
- Within the normal operating ultra-high pressure boundary conditions of organic membranes, PX170 can concentrate the concentrated water TDS to >170000 ppm; PX180 can concentrate the concentrated water TDS to >180000 ppm.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
PX170-8040	400 (37.2)	34	8800 (33.3)	99.75
PX180-8040	440 (40.9)	34	9000 (34.1)	99.50

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 32000 ppm NaCl, 800 psi(5.5MPa), 77 °F(25 °C), 5% recovery.

2. Permeate flow rate varies by +/-15%.

Operating Condition

Maximum operating temperature	45°C
Maximum operating pressure	1200 psi (83 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	2 - 11
Cleaning pH range	1 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

1. Maximum operating temperature is related to operating pressure and feed water pH. If the feed water pH is higher than 10, please consult the service personnel;

2. Maximum operating pressure is related to feed water temperature. If the feed water temperature exceeds 30°C, please consult the service personnel.

PX Ultra-High Pressure Membrane Element Series

PSI MEMBRANE® PX Ultra-High Pressure Membrane is a third-generation thin-film nano-composite (TFN) high-pressure RO membrane element. It provides reliable and efficient technical solutions for industrial users, helping to solve difficult water treatment problems, assist in wastewater reuse and zero-discharge projects to reduce the amount of concentrated water, reduce the amount of salt water in subsequent thermal processes such as evaporation, and optimize the operating cost of zero-discharge systems.

Key Features:

- Upgraded membrane chemical formula ensures long-term pressure resistance reliability.
- Professional and efficient national-level expert team provides first-class technical support for customers.
- Super hydrophilic anti-fouling technology ensures long-term operational reliability.
- Special membrane sheet and membrane element design can withstand ultra-high feed water pressure of 120 bar.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
PX120-8040	330 (30.6)	34	7400 (28.0)	99.70

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 32000 ppm NaCl, 800 psi(5.5MPa), 77 °F(25 °C), 5% recovery.
2. Permeate flow rate varies by +/-15%.

Operating Condition

Maximum operating temperature	45°C
Maximum operating pressure	1740psi (120bar)
Maximum pressure drop	1 bar
Continuous operation pH range	2 - 11
Cleaning pH range	1 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

1. Maximum operating temperature is related to operating pressure;
2. Maximum operating pressure is related to feed water temperature. If the feed water temperature exceeds 30°C, please consult the service personnel.

How to discriminate the anti-pollution property of organic film?

With the increase of the use time of organic membrane, it is a common phenomenon that organic matter, colloid and microorganisms in water attach to the membrane surface causing membrane fouling, which leads to the adverse consequences such as the reduction of water production flux, the decrease of desalting rate and the rise of operating pressure. Therefore, the anti-pollution property of membrane has been the focus of long-term attention in the academic world.

The surface smoothness of the film is one of the most important indicators of the anti-fouling property of the film. The Pro-FR anti-fouling film adopts a proprietary multilayer film technology (FIG. 1), which greatly reduces the surface roughness of the film (FIG. 2). The unique super hydrophilic coating technology (FIG. 3) ensures the high salt-cutting performance while greatly improving the hydrophilic and anti-fouling ability of the film surface.

Its advantages over traditional TFN membranes include:

-  The superhydrophilic membrane surface reduces the frequency of chemical cleaning and the use of drugs while extending the service life of the membrane;
-  Reduced energy consumption, more energy saving under the same water production situation;
-  The widest pH tolerance range and greatly limit the growth space of microorganisms.

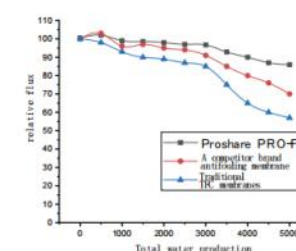


Figure 1. Comparison of flux attenuation between Pro-FR and TFC membranes

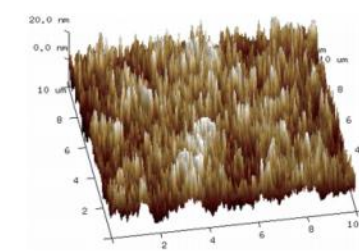


Figure 2. Atomic microscopy of Pro-FR membrane surface



Figure 3. Pro-FR membrane surface contact Angle

2. Loose NF / Compact UNF Membrane Element

PSI MEMBRANE® UNF series of Loose Nanofiltration or Compact Ultrafiltration Membrane element incorporating innovative Thin Film Nanocomposite (TFN) technology, the UNF series features nano-level, ultra-thin hydrophilic coating technology that offers excellent anti-fouling performance. These membranes deliver flux rates four times higher than traditional TFC membranes while operating at least 50% lower pressure. They are the perfect replacement for conventional TFC membranes.

Key Features:

- Offers multiple precise cutting molecules, tailored to meet specific customer requirements.
- Maximum flux up to four times that of imported competitors, significantly reducing energy consumption and engineering budget.
- Superior Selective Separation: Boasts ultra-high selectivity, effectively removing most colloidal iron, colloidal silicon, humic acid, and other dissolved organic matter (DOM) while allowing the passage of inorganic single and bivalent ions.
- Widely used in dye removal or concentration, heavy metal removal, acid purification, sodium chloride diafiltration, sugar concentration and fractionation, whey protein concentration and desalination, peptide concentration and desalination, etc.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
UNF500-8040	400 (37.2)	34	7400 (28.0)	95
UNF1000-8040	400 (37.2)	34	7400 (28.0)	95
UNF2000-8040	400 (37.2)	34	7400 (28.0)	95
UNF3000-8040	400 (37.2)	34	8000 (30.3)	95
UNF5000-8040	400 (37.2)	34	16000 (60.6)	95

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: Pure water with a conductivity of less than 10 $\mu\text{S}/\text{cm}$, a 200 ppm solution of polyethylene glycol (PEG) with the corresponding molecular weight cut-off (e.g., UNF2000 corresponds to a PEG molecular weight cut-off of 2000 Da), 70 psi (0.48 MPa), 77 °F (25 °C), 15% recovery;
2. Permeate flow rate varies by +/-15%.

Why international manufacturers dominate the Material separation membrane area?

Membrane material separation is an important link in relation to the production efficiency and quality of petrochemical, pharmaceutical, medical and food industries and so on. It has been rapidly developed in our country in recent years. However, despite the emergence of several listed membrane companies in the field of bio-API production and Chinese herbal medicine extraction, the core material separation membrane materials (such as GE DK series) have been dependent on imports, and the high material cost limits the further popularization of membrane technology.

Material separation membrane is also known as large aperture nanofiltration membrane or compact ultrafiltration membrane. The main difficulty of its research and development lies in the preparation of uniform pore size distribution and good membrane flux and surface anti-fouling performance. Although more and more domestic ultrafiltration membrane manufacturers, but its performance is far from reaching the high requirements of material separation industry.

Proshare UNF series material separation membranes can not only perfectly replace the mainstream imported membrane products in the market, but also have excellent performance indicators such as flux and anti-pollution. For example, in the concentration and reduction scenario of landfill leachate used by a listed engineering company, the flux and anti-pollution of UNF1000 were compared with imported products in a long period, and the performance parameters of UNF1000 were comprehensively exceeded (Figure 5). In particular, the membrane flux and TMP were far superior to the standard imported products!

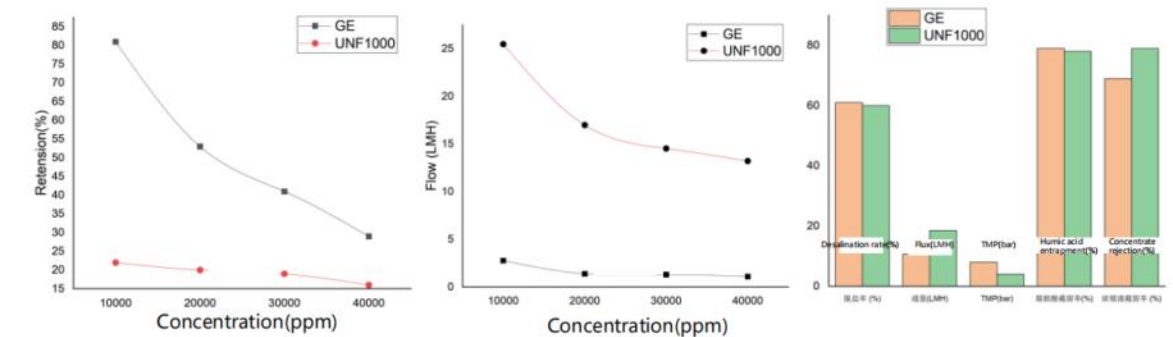


Figure 5. UNF1000 vs an imported material separation membrane (cutting molecular types of 2000Da)

Thanks to the exclusive customizable capability of Proshare TFN membrane platform (FIG. 6), in recent years, we have provided professional local technical support to customers in various fields from membrane materials, membrane separation technology to process equipment design and integration, contributing to the further development of membrane process material separation in China.

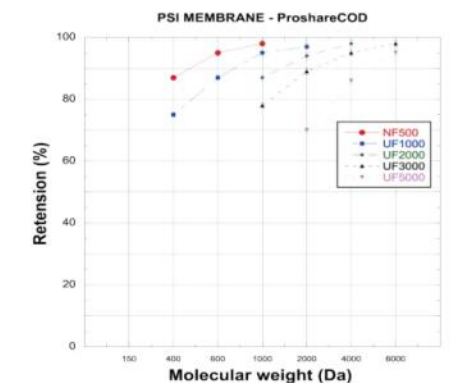


Figure 5. UNF500, UNF1000, UNF2000, UNF3000, UNF5000 interception test data for neutral molecules with different molecular types

3.NF Membrane Element

NF98 series nanofiltration membrane elements adopt Proshare® proprietary multi-layer composite membrane. Nano-level and ultra-thin hydrophilic coating technology endows excellent anti-fouling ability. These membranes deliver twice the flux of traditional TFC membranes and operate at least 50% lower pressure, making them a superior replacement for NF270, XC-N, DL, DK, and other traditional TFC membranes.

Key Features:

- NF98 membrane surface is super hydrophilic, with excellent anti-fouling performance and long service life;
- NF98 membrane flux is generally 30% higher than traditional TFC, and some models even have up to 2 times the flux, resulting in significant energy reduction;
- High rejection rate of divalent salts >98% (sulfate, iron, heavy metals, etc.), and allows monovalent salts to pass through;
- High Removal of Organic Compounds such as pesticides, herbicides, antibiotics, and THM precursors, etc.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Rejection rate of Bivalent salt ion(%)	Rejection rate of Monovalent salt ion(%)
NF98-HF-4040	85 (7.9)	34	2800 (10.6)	96	30-50
NF98-HF-8040	400 (37.2)	34	13800 (52.2)	96	30-50
NF98-SP-4040	85 (7.9)	34	2500 (9.5)	99	30-50
NF98-SP-8040	400 (37.2)	34	12500 (47.3)	99	30-50
NF90-4040	85 (7.9)	34	1850 (7.0)	99	85-90
NF90-8040	400 (37.2)	34	9100 (34.4)	99	85-90
NF98-SPEC-4040	85 (7.9)	34	/	Customized	Customized
NF98-SPEC-8040	400 (37.2)	34	/	Customized	Customized

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 2000 ppm MgSO₄, 70 psi (0.48 MPa), 77 °F (25 °C), 15% recovery.

2. Permeate flow rate yield +/-15%.

What's the difference between Nanofiltration and Loose reverse osmosis?

From different standpoint and application scenario, there are different opinions on whether nanofiltration is a loose reverse osmosis.

The performance of NF98 series nanofiltration membrane directly replaces or even exceeds that of the mainstream imported membrane products, which can not only meet the Dunan effect with high selective retention of ions (FIG. 4), but also desalting and COD removal performance can be differentiated according to the actual needs of customers. (Detailed cases and membrane products are welcome to consult senior pre-sales engineers)

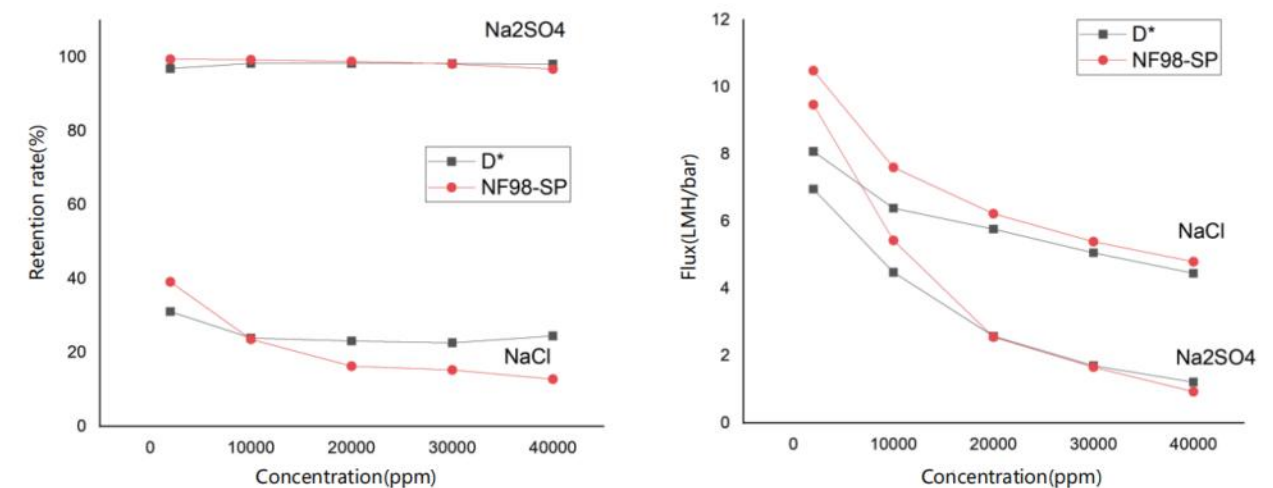
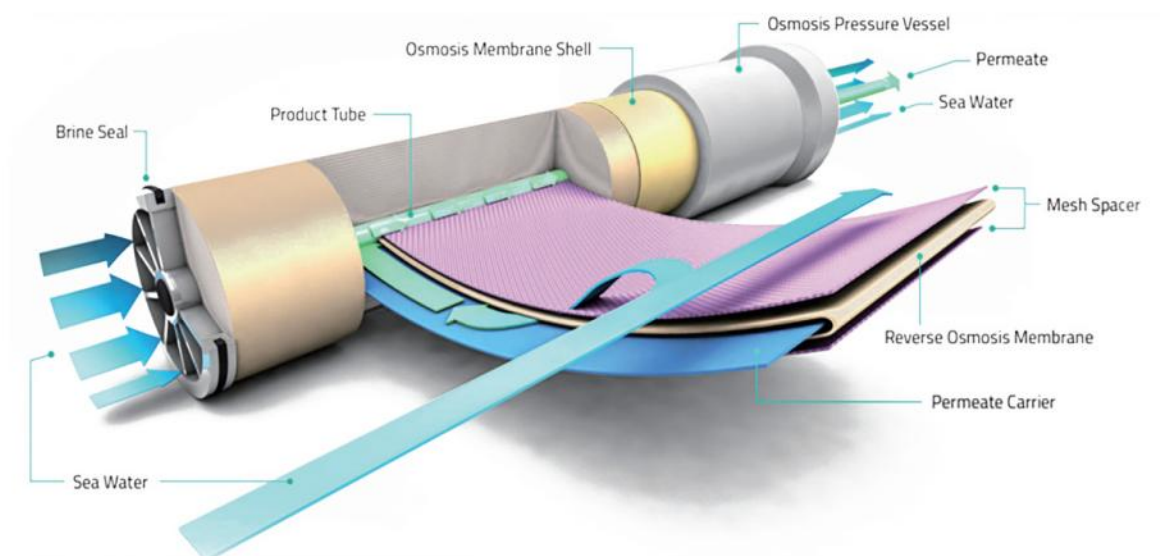


Figure 4. Proshare NF98 salt separation membrane VS The latest XC-N salt separation membrane performance comparison



4.Specialty Membrane Element

Pro-Acid Specialty Acid Resistant Membrane Element

PSI MEMBRANE® Pro-Acid specialty Acid Resistant Membrane incorporating innovative Thin Film Nanocomposite (TFN) acid-resistant membrane sheets and unique acid-resistant materials. They have anti-fouling, high flux, high pressure resistance, and extreme acid resistance properties. They can achieve metal concentration in acidic solutions such as sulfuric acid below 20% and phosphoric acid below 30%, and can also be used for acid purification and recovery. They are suitable for removing large molecular impurities in acid solutions and can maintain high flux and stable operation for more than 12 months in strong acid environments.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
Pro-Acid-NF98-8040	400 (37.2)	34	12000 (45.4)	98
Pro-Acid-NF96-8040	400 (37.2)	34	18000 (68.1)	96
Pro-Acid-NF92-8040	400 (37.2)	34	22000 (83.2)	92
Pro-Acid-NF80-8040	400 (37.2)	34	24000 (90.8)	80
Pro-Acid-NF35-8040	400 (37.2)	34	36000 (139.5)	35

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 2000 ppm MgSO₄, 580 psi (4.01 MPa), 77 °F (25 °C), and 15% recovery.
2. The variation range of permeate flow rate is +/-15%.

Operating Condition

Maximum operating temperature	50°C
Maximum operating pressure	1200 psi (83 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	0 - 12
Cleaning pH range	0 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

PSI-Acid Specialty Acid Resistant Membrane Element

PSI MEMBRANE® PSI-Acid specialty Acid Resistant Membrane incorporating innovative Thin Film Nanocomposite (TFN) acid-resistant membrane sheets and unique acid-resistant materials. They have anti-fouling, high flux, high pressure resistance, and good acid resistance properties. They can achieve metal concentration in acidic solutions as low as pH 1, and can also be used for acid purification and recovery. They are suitable for removing large molecular impurities in acid solutions and can operate stably in acidic environments for more than 12 months.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
PSI-Acid-NF98-8040	400 (37.2)	34	9000 (34.1)	98

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 2000 ppm MgSO₄, 580 psi (4.01 MPa), 77 °F (25 °C), and 15% recovery.
2. The variation range of permeate flow rate is +/-15%.

Operating Condition

Maximum operating temperature	50°C
Maximum operating pressure	1200 psi (83 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	1-10
Cleaning pH range	0-13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

PSI-AS Ammonium Sulfate Acid-Resistant Membrane Element

PSI MEMBRANE® PSI-AS The Ammonium Sulfate Acid-Resistant Membrane Elements are proprietary membrane elements specially developed by the PSI Team for projects involving ammonium sulfate wastewater (such as ammonium phosphate iron production, desulfurization wastewater, ammonia removal wastewater, etc.). They feature fouling resistance, high flux, high pressure resistance, and excellent acid resistance. These elements enable high-concentration concentration of acidic ammonium sulfate solutions, providing a reliable and efficient technical solution for treating this type of wastewater. They help address challenging water treatment problems, facilitate wastewater reuse and zero-liquid discharge (ZLD) projects by reducing the volume of concentrated water, decreasing the brine volume for downstream thermal processes such as evaporation, and optimizing the operating costs of ZLD systems.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
PSI-AS-8040	400 (37.2)	34	9000 (34.1)	99.5

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 2000 ppm MgSO₄, 580 psi (4.01 MPa), 77 °F (25 °C), and 15% recovery.
2. The variation range of permeate flow rate is +/-15%.

Operating Condition

Maximum operating temperature	50°C
Maximum operating pressure	1200psi (83bar) /1740psi (120bar)
Maximum pressure drop	1 bar
Continuous operation pH range	1-10
Cleaning pH range	1-13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

Pro-Base Specialty Alkali Resistant Membrane Element

PSI MEMBRANE® Pro-Base Specialty Alkali Resistant Membrane incorporating innovative Thin Film Nanocomposite (TFN) alkali-resistant membrane sheets and unique alkali-resistant materials. They have anti-fouling, high flux, high pressure resistance, and extreme alkali resistance properties. They can achieve concentration of cellulose, hemicellulose, papermaking fibers, and other compounds in alkaline solutions such as sodium hydroxide below 20% and potassium hydroxide below 10%, and can also be used for alkali purification and recovery. They can maintain high flux and stable operation for more than 12 months in strong alkali environments.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
Pro-Base-NF98-8040	400 (37.2)	34	13000 (49.2)	98
Pro-Base-NF96-8040	400 (37.2)	34	19500 (73.8)	96
Pro-Base-NF92-8040	400 (37.2)	34	24000 (91.0)	92
Pro-Base-NF80-8040	400 (37.2)	34	26000 (98.4)	80
Pro-Base-NF35-8040	400 (37.2)	34	39000 (147.6)	35

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 2000 ppm MgSO₄, 580 psi (4.01 MPa), 77 °F (25 °C), and 15% recovery.
2. The variation range of permeate flow rate is +/-15%.

Operating Condition

Maximum operating temperature	60°C
Maximum operating pressure	1200 psi (83 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	3 - 14
Cleaning pH range	2 - 14
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

PSI-Base Specialty Alkali Resistant Membrane Element

PSI MEMBRANE® PSI-Base Specialty Alkali Resistant Membrane incorporating innovative Thin Film Nanocomposite (TFN) alkali-resistant membrane sheets and unique alkali-resistant materials. They have anti-fouling, high flux, high pressure resistance, and good alkali resistance properties. They can achieve concentration of cellulose, hemicellulose, papermaking fibers, and other compounds in alkaline solutions of pH 12, and can also be used for alkali purification and recovery. They can maintain high flux and stable operation for more than 12 months in alkaline environments.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
PSI-Base-NF98-8040	400 (37.2)	34	13000 (49.2)	98

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions: 2000 ppm MgSO₄, 580 psi (4.01 MPa), 77 °F (25 °C), and 15% recovery.
2. The variation range of permeate flow rate is +/-15%.

Operating Condition

Maximum operating temperature	60°C
Maximum operating pressure	1200 psi (83 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	3 - 12
Cleaning pH range	2 - 13
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

Pro-Therm Specialty High Temperature Resistant Membrane Element

PSI MEMBRANE® Pro-Therm Specialty High Temperature Resistant Membrane incorporating innovative Thin Film Nanocomposite (TFN) high-temperature resistant membrane sheets and unique high-temperature resistant materials. These elements are ideal for hot water disinfection systems, replacing chemical disinfection to enhance product quality and meet regulatory standards. They are suitable for water purification or process fluid systems with low cross-flow environments, no suspended solids, and a maximum temperature of 70°C (158°F), and can be used for concentrating high-temperature process fluids. Typical applications include concentration, purification, and separation of high dissolved solids fluids that are difficult to use membrane processes due to high viscosity at lower temperatures.

Product Parameter

Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)
Pro-Therm-RO67-8040	400 (37.2)	34	9000 (34.1)	98
Pro-Therm-NF98-8040	400 (37.2)	34	6000 (22.7)	98
Pro-Therm-NF96-8040	400 (37.2)	34	9000 (34.1)	96
Pro-Therm-NF92-8040	400 (37.2)	34	11000 (41.6)	92
Pro-Therm-NF80-8040	400 (37.2)	34	12000 (45.4)	80
Pro-Therm-NF35-8040	400 (37.2)	34	18000 (69.8)	35

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions (before any hot water disinfection):
For NF membranes – 2000 ppm MgSO₄, 0.48 MPa, 25°C, 15% recovery;
For RO membranes – 2000 ppm NaCl solution, 1.55 MPa, 25°C, 15% recovery.
2. The variation range of permeate flow rate is +/-15%, and the final water yield may fluctuate more due to the heat treatment process.

Operating Condition

Maximum operating temperature(Disinfection temperature)	70°C (90°C)
Maximum operating pressure	1200 psi (83 bar)
Maximum pressure drop	1 bar
Continuous operation pH range	3 - 10
Cleaning pH range	1 - 12
The largest water SDI ₁₅	5
Maximum influent turbidity	1 NTU
Maximum residual chlorine concentration of influent	<0.1 ppm

Pro-CR Specialty Oxidation Resistant Membrane Element

PSI MEMBRANE® Pro-CR Specialty Oxidation Resistant Membrane incorporating innovative Thin Film Nanocomposite (TFN) oxidation resistant membrane sheets and unique oxidation resistant materials., is specifically designed for water containing oxidizing agents. This design eliminates the need for reducing agents in the system, enhancing efficiency and reducing chemical usage. They are suitable for water purification or process fluid systems that require efficient oxidants for chemical cleaning and can be used for concentrating process fluids. Typical applications include municipal nanofiltration water treatment plants, rural decentralized water supply, industrial wastewater resource recycling, etc.

Product Parameter

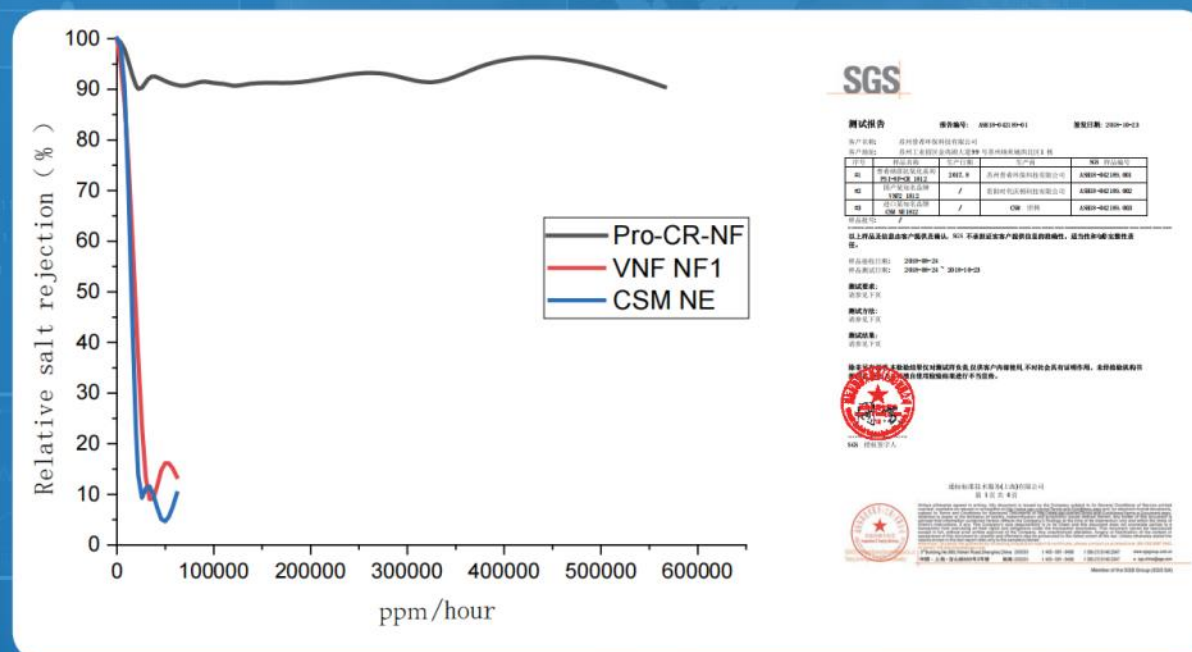
Product	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate (m ³ /d)	Stabilized Salt Rejection (%)	Antioxidant capacity (ppmh)
Pro-CR-RO1-8040	400 (37.2)	34	12500 (47.3)	98	>500000
Pro-CR-NF1-8040	400 (37.2)	34	7800 (29.5)	98	>500000
Pro-CR-NF2-8040	400 (37.2)	34	9200 (34.8)	96	>500000
Pro-CR-NF3-8040	400 (37.2)	34	12800 (48.4)	92	>500000
Pro-CR-NF4-8040	400 (37.2)	34	15000 (56.8)	80	>500000

1. Permeate flow rate and stabilized salt rejection were based on the following standard test conditions:

NF membrane (2000ppm MgSO₄, 0.48 MPa, 25°C, 15% recovery);

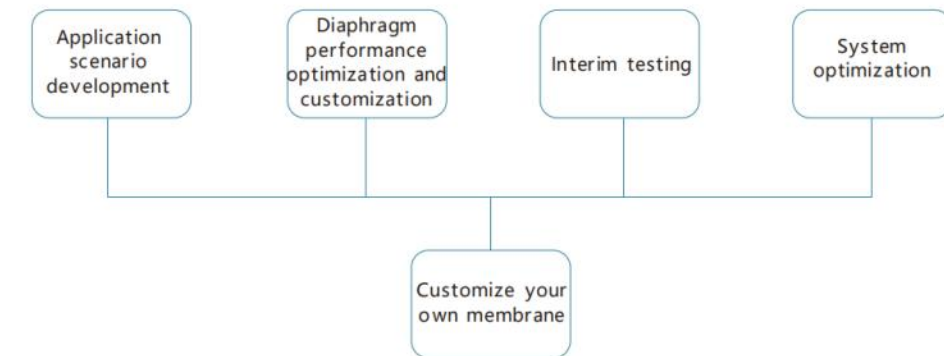
RO membrane (2000ppm NaCl solution, 1.55 MPa, 25°C, 15% recovery) before any hot water disinfection.

2. The variation range of permeate flow rate is +/-15%, and the final water yield may fluctuate more due to the heat treatment process.



5.SPEC Customized Membrane

PSI-SPEC High-end Customized service



As a high-tech enterprise dedicated to the development of a new generation of special high-end nano composite film membranes, our company has successfully developed a new generation of TFN membranes with various special properties for different industry application requirements.

Compared with the traditional TFC membrane, in addition to the advantages of high throughput, low operating pressure, anti-pollution and chemical cleaning resistance, the biggest advantage of Proshare TFN membrane is that it can provide a full range of customized development services and professional solutions from diaphragm to membrane element to membrane system, compared with both international brand membrane manufacturers and domestic membrane manufacturers.

Proshare Wet Test Intelligent Platform RO-bot



RO-bot, the industry's first intelligent platform for fully wet testing, which is worth millions of dollars and fully developed and constructed by Proshare R&D team, has highly automated testing, recording and traceability capabilities. It guarantees that every special membrane component of Proshare has been strictly tested and automatically recorded before leaving the factory, which ensures the qualified rate of Proshare membrane products, and also gives customers traceable quality after-sales service.

SPEC Proshare Cloud Platform



MAIN PARTNERS

