

粤卫涉水号：（ 2016 ）第s9152号

Reverse osmosis membrane national standard drafting unit

National high-tech enterprise
Turnover increased by 100% for 3consecutive
Ro membrane national standard drafting unit
Cooperated with more than 2000 water purifier brands
Have nearly over 20 national patents and research results



GALLON
MANUAL

深圳加仑膜技术有限公司
Shenzhen Gallon Film Tec Corp.

Manufacturing factory 1:No.3,Pingnan Road,Pingdi Street,
Longgang District, Shenzhen
Manufacturing factory 2 :No.88, Longtan Road,Changbei
economic development zone,Nanchang
Manufacturing factory 3:Gallon Menbrane Industrial Park,Xingan
electromechanical industrial park,Ji an city,Jiangxi province



Sweeping attention
to the public number



Sweeping Login website

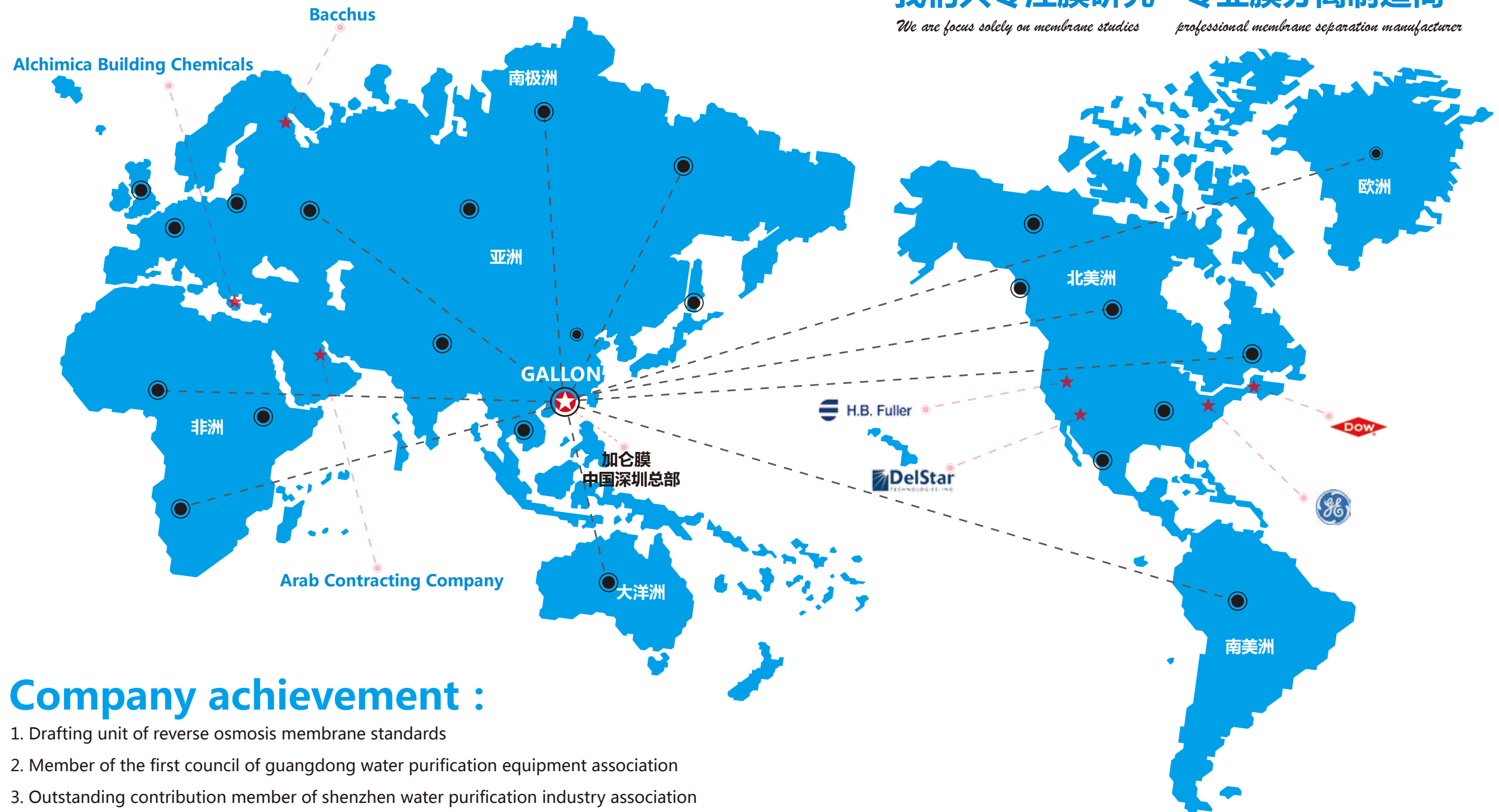


深圳加仑膜技术有限公司
Shenzhen Gallon Film Tec Corp.

WWW.SZ-RO.COM

我们只专注膜研究 专业膜分离制造商

We are focus solely on membrane studies professional membrane separation manufacturer



Company achievement :

1. Drafting unit of reverse osmosis membrane standards
2. Member of the first council of guangdong water purification equipment association
3. Outstanding contribution member of shenzhen water purification industry association
4. Vice President unit of shenzhen water purification industry association
5. 2015 water purification industry development and innovation enterprise
6. Outstanding contribution award of shenzhen water purification industry association in 2015
7. ROSH certificate
8. CDC testing report
9. Pioneering and innovative enterprises in the water purification industry
10. Member units with outstanding contributions
11. Five-star excellent supplier
12. Top ten reverse osmosis membranes
13. Deputy leader of water purification quality standard association
14. Outstanding young entrepreneur in China's water purification industry

Gallon (China) co., LTD., funded by Arab and ba Shanghai, is a reverse osmosis membrane module r&d and production, membrane equipment manufacturing and application, and engineering water department

Rational system design and construction as one of the high-tech enterprises.Arab, founded in 1981, operates water treatment operations in more than 20 countries around the world

Wu has more than 30 science laboratories and more than 20,000 employees.Its outstanding research achievements in water treatment technology and equipment have been widely used in aerospace industry, seawater desalination, urban sewage treatment and other aspects.By strengthening with the world famous reverse osmosis

As a result of the cooperation between general motors (GE) and DOW (DOW), the global business of Arab has been steadily developed.

Gallon has introduced a full set of foreign advanced equipment and technology, established a standardized dust-free production workshop, and strictly controlled the production process.In October 2015, gallon membrane science laboratory, in combination with Arab's excellent achievements in membrane production process research over the years, studied the characteristics of different membrane materials

and production processes at home and abroad as well as the characteristics of water quality in China. It took one year to develop APN+ nano polymerization technology that meets the needs of water quality in China.Among them, the key technology of multi-page outer helical membrane reverse osmosis technology has been patented by the state and widely recognized by the international community. At the same time, galen has officially launched five series of reverse osmosis membrane components, such as anti-pollution membrane and ultra-low pressure membrane, which have made outstanding contributions to the development of the industry and carried out the lofty mission of "making the world beautiful because of water" with practical actions.

At present, gallon membrane products have been widely used in household water purification, direct drinking water on campus, municipal drinking water, boiler supply water, industrial ultra-pure water, aerospace industry, water for electroplating, medical chemical industry, food and beverage, material concentration and other industries. Based on stable and good raw material supply (GE & DOW) and mature process equipment flow, gallon membrane components have long and stable performance and become a trusted partner of customers.

Gallen has been adhering to the philosophy of "making conscience products, quality products and sustainable products", adhering to innovation, continuously creating value for customers and striving to become reliable and loyal partners of customers.



G: a unit of measurement of volume for the international clean water and drinking water industry.In reverse osmosis membrane industry, water flux +G represents its model

A large circle represents the earth, and two G's in a circle indicate that GALLON technology was imported from Europe on one side of the globe to mainland China on the other.

The circle is full of G, indicating that GALLON business is determined to travel around the globe in blue: GALLON is making the water purer and cleaner and the sky and ocean bluer through his ability, so as to make the world beautiful because of water!

Gallon's vision -- to make the world beautiful because of water

Gallon concept -- -- do conscience product, do high quality product, do sustainable product

Gallen's mission -- -- adhere to innovation, continue to create value for customers to become customers' reliable and loyal partner

Core values -- -- integrity and win-win, innovative and enterprising, happy dedication





INTRODUCTION 董事长简介

Mr.Du :

Chairman of Shenzhen gallon membrane technology co., LTD., chairman of Jiangxi Jiyuan investment co., LTD.Luo yi (wuxi) biological pharmaceutical co., LTD. Chairman, general manager, Nanchang Xingan chamber of commerce, has a number of listed companies. Mr. Du Linzai is an enterprise senior management expert with both theory and practice. He has excellent market strategic vision and marketing management experience, as well as extensive contacts and capital resources.At the same time as a successful venture capitalist, marketing lecturer, become the pioneer of perfect transformation of the vaccine industry.Its noble character, broad mind, decent, has a high sense of social responsibility, for the enterprise to create huge economic benefits, but also to shape a distinctive personality, inspiring enterprise culture.

ENTERPRISE HONOR

1. Top 10 reverse osmosis membrane enterprises
2. Drafting unit of reverse osmosis membrane industry standard
3. Deputy leader of water purification quality standard association
4. Outstanding young entrepreneurs in China's water purification industry
5. Vice President unit of Shenzhen water purification industry association
- 6.2015 water purification industry development and innovation enterprises
7. Member of the first council of Guangdong water purification equipment



Nan Chang Industrial park



Ji' an Industrial park

2017.12 The gallon film was rated as a national high-tech enterprise.

2017.04 Gallon film won the "2017 China Water Purification Household Film" top 10 brands.

2017.03 The gallon membrane has developed a water-saving reverse osmosis membrane.

2016.06 The gallon film has become a member of the Water Purification Professional Committee of China Film Industry Association.

2016.02 The second production base of gallon film will be put into production and use, with an annual production capacity of 3.5 million.

2015.12 Based on the research of different types of membrane structures and membrane production processes at home and abroad, the Gallon Membrane Science Laboratory has established the first APN+ nano-polymerization technology in the world based on the characteristics of water quality in China and the research achievements of Arab in membrane production technology. Five series of reverse osmosis membrane products, such as anti-pollution membrane and low-pressure membrane.

2015.12 After years of research, the gallon film has successfully developed a multi-page spiral membrane element reverse osmosis technology, which fills the gap in the industry and is recognized by the national invention patent and the international community.

2015.10 Gallon membrane has become the deputy head unit of China's household reverse osmosis membrane standard formulation, participated in the leadership and formulated a number of national standards such as "home reverse osmosis membrane test methods and standards".

2015.07 Researcher Chen Shunquan of the Chinese Academy of Sciences became an expert consultant for the membrane science research laboratory of the Gallen Company.

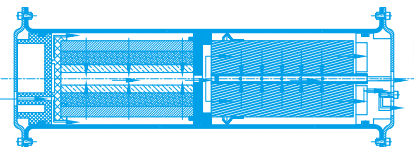
2015.02 Strategic cooperation with Greece's Alchimica Building Chemicals and a strategic cooperation agreement, Gallon membrane components exported to Europe for the first time.

2014.10 Xue Guangbo, Chen Guanwen, Chen Huanlin and Zhang Canshan have successively become consultants for gallon membrane experts.

2014.09 Gallon has established a stable cooperative relationship with DelStar, a world-famous membrane network supplier.

2014.08 Gallon has established a partnership with H.B FULLER, the world's leading glue manufacturer.

pipeline RO machine technology



Pipeline RO machine technology, invention patent number (201510812792.7)

The pipeline RO machine has the remarkable features of small size, convenient assembly, large water output and low cost. It is an innovative product completely different from the traditional water purifier structure.

APN+ Nanopolymerization



"Three nos" Micro wastewater technology



A: Auto-control automatic control system
P: Polymer membrane polymer membrane element
N: Nano-structure Multipage outside helical technology
Multi-page external spiral reverse osmosis technology under nanostructure
+: Plus 365 uninterrupted cloud online service system

The meaning of "three no micro-waste water" : that is, the "three no-micro wastewater" reverse osmosis membrane that was first introduced by the electroless, no pump and no barrel technology gallon can work normally under the ultra-low pressure of 0.25Mpa, and the pure wastewater ratio reaches 1 : 1, greatly reducing the cost of the whole machine output.

Multi-page spiral Reverse osmosis technology

Invention patent number : 201510863263.x

In August 2015, the Gallon Membrane Research Laboratory developed the first membrane element that was rolled using multi-page spiral reverse osmosis technology. The experimental data shows that the multi-page spiral technology can fundamentally overcome the shortcomings of the prior art such as insufficient water supply and short service life. The outer spiral technology can effectively shorten the length of the pure water channel and reduce the resistance during the pure water collection process, thereby increasing the flow rate of the pure water and increasing the water output. Through the transformation of the central water collecting pipe, a plurality of internal and external supporting points are set, so that the film tube is uniformly stressed and does not deform, and the pressure inside the film bag can be effectively reduced, thereby making the film element The use of the parts is more stable and prolongs the service life of the membrane elements. The invention of multi-page spiral reverse osmosis technology has made up for the industry gap and made outstanding contributions to the development and progress of the industry.

Water saving type RO membrane patent

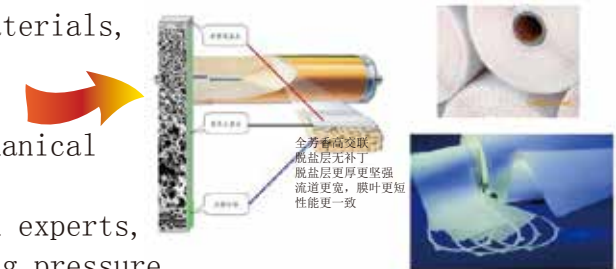
On March 29th, 2017, Gallon Film held the "Water-saving RO Film Technology Conference" at Guangzhou Pazhou International Purchasing Center. At the press conference, the anti-permeable membrane R&D team of Gallon Film Company emphasized: 1. Conventional film Generally, the pure wastewater ratio is 1:2 or even 1:3, and the water-saving membrane pure wastewater can be 1:1 or more. 2. And the water-saving membrane is the same size as the conventional 1812 RO membrane, which is versatile and small. 3. The pure water machine can directly replace the conventional membrane with the water-saving membrane without changing the system, pump and waste water valve, and easily realize the new water-saving water purifier. Gallon membrane breaks the technical bottleneck of the industry, develops membrane components with a ratio of 1:1 pure water wastewater, and launches a water-saving RO membrane. (GL-2012 (series)), leading the development direction of water purifiers, and vigorously promoting the popularization and development of household water purifiers.



GALLON Water-saving menbrane patent Product description

GALLON ro membrane sadvantages

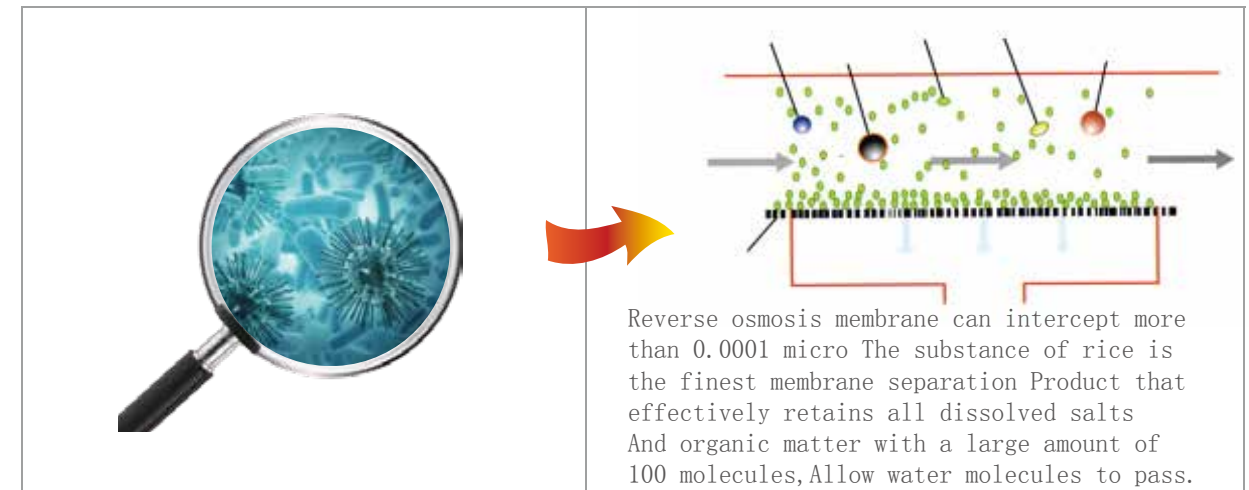
- (1) the use of imported membrane materials, with efficient desalination rate
- (2) the introduction of American technology, products with high mechanical strength and service life
- (3) technical guidance from foreign experts, able to function under low operating pressure
- (4) professional team to build seiko quality, can withstand the impact of chemical or biochemical effects



【Water saving film patent】

On March 29th, 2017, Gallon Film held the "Water-saving RO Film Technology Conference" at Guangzhou Pazhou International Purchasing Center. The gathering of guests at the venue, the atmosphere is warm, the new products are highly praised by many media and experts.

Conference site



GALLON Gallon industrial 8" seawater roll type RO membrane element

Introduction : High water yield, high stability, high salt rejection:
8" seawater membrane element

Gallon reverse osmosis industrial 8" membrane components are the top products in the industry. Advanced coating The production line and superb membrane technology result in high quality and most stable performance. Gallon film The unique design of the components, high salt rejection rate, can maintain the maximum water production flux.

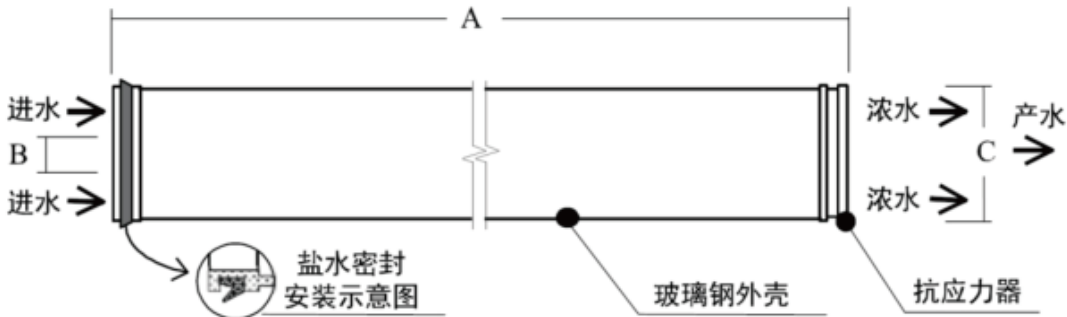
Description : Membrane material: polyamide composite film material
Roll membrane element
Epoxy A FRP outer packaging
Applied to the treatment of seawater under high pressure

Parameter :

Model No.	Flow Rate GPD (m3/d)	Active area ft² (m²)	Stable salt rejection	Thickness of water inlet screen mil (mm)	Test condition
SW-8040	7500 (28)	400 (37)	99.0%	30 (0.76)	800psi/32800ppm NaCl
SW-8040-HF	9200 (35)	400 (37)	99.0%	30 (0.76)	800psi/32800ppm NaCl

1. All performance data is under 25 °C (77 ° F), under the condition of pH 7.5 and recovery rate of 15%.
2. The allowable variation range of water yield of a single membrane element is 15%.

Element size :



Model No.	Size-inch (mm)		
	A	B	C
SW-8040	40.0(1016)	1.125(29)	7.9(201)
SW-8040-HF	40.0(1016)	1.125(29)	7.9(201)

* 1inch=25.4mm

Conditions of use : Maximum operating temperature----- 45°C (113°F)
Maximum working pressure----- 1000psi (6.9Mpa)
Maximum pressure drop (single component)--- 15psi (0.1Mpa)
Continuous operation pH range----- 3~11
PH range for cleaning----- 1.5~12
Maximum intake water oxygen----- <0.1ppm
Maximum feed water SDI----- 5

Key operating points :

- Strictly follow start-up procedure to prevent membrane damage due to excessive impact. Instrument calibration, membrane pretreatment and other system inspections shall be performed prior to system start-up and membrane element loading.
- Always reduce any pressure shocks or cross flow fluctuations on the coil elements.During start-up, it is recommended to make a gradual change in pressure from rest to running state.
- The maximum allowable pressure drop across the pressure vessel (diaphragm) is 500psi (0.34mpa)
- No static pressure shall be generated at the water-producing side.
- Always keep the membrane element wet after first immersion.
- The manufacturer will not provide warranty if the requirements of operating restrictions and guidelines are not followed.
- In the case of prolonged shutdown of the system, it is recommended to soak the membrane components in the maintenance solution to prevent bacterial growth
- The first hour of use of the membrane element should be discharged.
- Please ensure that chemicals and lubricants do not adversely affect the membrane components



GALLON Gallon industrial 8 "brackish water coil RO membrane element

Introduction : High water yield and high stability:
8" Brackish water-rolling membrane element

Gallon reverse osmosis industrial 8" membrane components are the top products in the industry. Advanced coating The production line and superb membrane technology result in high quality and most stable performance. Gallon film The unique component equipment has a high salt rejection rate and maintains the maximum water production flux.

Description : Membrane material: polyamide composite film material
Roll membrane element
Epoxy A FRP outer packaging
Applied to the treatment of brackish water

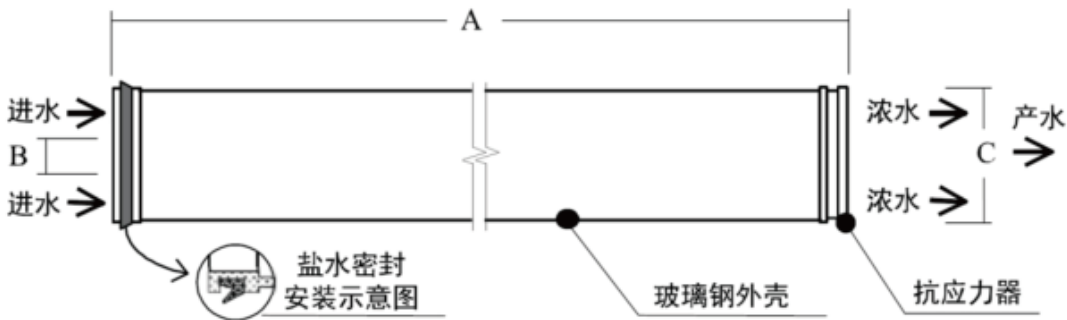
Parameter :

Model No.	Flow Rate GPD (m3/d)	Active area ft² (m²)	Stable salt rejection	Thickness of water inlet screen mil (mm)	Test condition
BW-8040	10500 (39.7)	400 (37)	99.5%	30 (0.76)	225psi/2000ppm NaCl
BW-8040-HF	12100 (46)	400 (37)	98.5%	30 (0.76)	225psi/2000ppm NaCl
ULP-8040	10500 (39.7)	400 (37)	99.0%	30 (0.76)	150psi/2000ppm NaCl

1. All performance data is under 25 °C (77 ° F), under the condition of pH 7.5 and recovery rate of 15%.

2. The allowable variation range of water yield of a single membrane element is 15%.

Element size :



Model No.	Size-inch (mm)		
	A	B	C
BW-8040	40.0(1016)	1.125(29)	7.9(201)
BW-8040-HF	40.0(1016)	1.125(29)	7.9(201)
ULP-8040	40.0(1016)	1.125(29)	7.9(201)

* 1inch=25.4mm

Conditions of use : Maximum operating temperature----- 45°C (113°F)
Maximum working pressure----- 600psi (4.1Mpa)
Maximum pressure drop (single component)--- 15psi (0.1Mpa)
Continuous operation pH range----- 3~11
PH range for cleaning----- 1.5~12
Maximum intake water oxygen----- <0.1ppm
Maximum feed water SDI----- 5

Key operating points :

- Strictly follow start-up procedure to prevent membrane damage due to excessive impact. Instrument calibration, membrane pretreatment and other system inspections shall be performed prior to system start-up and membrane element loading.
- Always reduce any pressure shocks or cross flow fluctuations on the coil elements.During start-up, it is recommended to make a gradual change in pressure from rest to running state.
- The maximum allowable pressure drop across the pressure vessel (diaphragm) is 500psi (0.34mpa)
- No static pressure shall be generated at the water-producing side.
- Always keep the membrane element wet after first immersion.
- The manufacturer will not provide warranty if the requirements of operating restrictions and guidelines are not followed.
- In the case of prolonged shutdown of the system, it is recommended to soak the membrane components in the maintenance solution to prevent bacterial growth
- The first hour of use of the membrane element should be discharged.
- Please ensure that chemicals and lubricants do not adversely affect the membrane components



GALLON Gallon industrial 8 "anti-pollution coil RO membrane element

Introduction : High water yield and high stability:
8" anti-contamination rolled membrane element

Gallon reverse osmosis industrial 8" membrane components are the top products in the industry. Advanced coating The production line and superb membrane technology result in high quality and most stable performance. Anti-pollution volume After the surface of the membrane element membrane is treated by a special process, the hydrophilicity of the membrane surface is enhanced, especially for For the treatment of water sources with high biological or organic pollution, in high biological pollution Under the condition, the membrane fouling is reduced, the average operating pressure of the system is reduced, and the membrane element is prolonged Life expectancy.

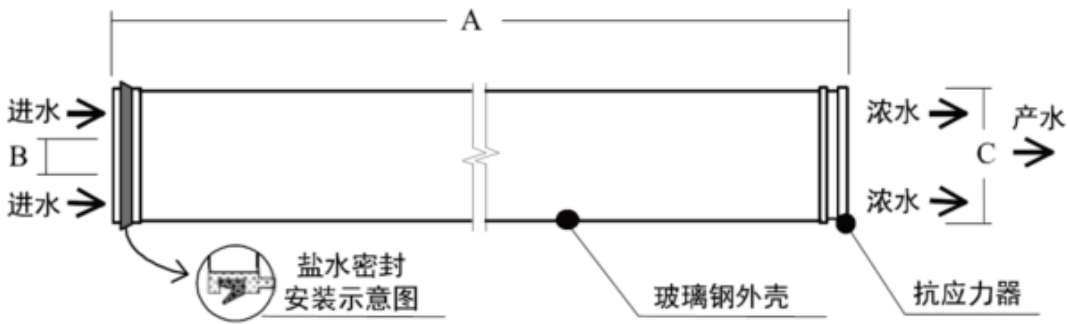
Description : Membrane material: polyamide composite film material
Roll membrane element
Epoxy A FRP outer packaging
Applied to surface water, groundwater, tap water, municipal water, etc.

Parameter :

Model No.	Flow Rate GPD (m3/d)	Active area ft ² (m ²)	Stable salt rejection	Thickness of water inlet screen mil (mm)	Test condition
FR-8040	10500 (39.7)	400 (37)	99.5%	30 (0.76)	225psi/2000ppm NaCl

1. All performance data is under 25 °C (77 ° F), under the condition of pH 7.5 and recovery rate of 15%.
2. The allowable variation range of water yield of a single membrane element is 15%.

Element size :



Model No.	Size-inch (mm)		
	A	B	C
FR-8040	40.0(1016)	1.125(29)	7.9(201)

* 1inch=25.4mm

Conditions of use : Maximum operating temperature----- 45°C (113°F)
Maximum working pressure----- 600psi (4.1Mpa)
Maximum pressure drop (single component)--- 15psi (0.1Mpa)
Continuous operation pH range----- 3~11
PH range for cleaning----- 1.5~12
Maximum intake water oxygen----- <0.1ppm
Maximum feed water SDI----- 5

Key operating points :

- Strictly follow start-up procedure to prevent membrane damage due to excessive impact. Instrument calibration, membrane pretreatment and other system inspections shall be performed prior to system start-up and membrane element loading.
- Always reduce any pressure shocks or cross flow fluctuations on the coil elements.During start-up, it is recommended to make a gradual change in pressure from rest to running state.
- The maximum allowable pressure drop across the pressure vessel (diaphragm) is 500psi (0.34mpa)
- No static pressure shall be generated at the water-producing side.
- Always keep the membrane element wet after first immersion.
- The manufacturer will not provide warranty if the requirements of operating restrictions and guidelines are not followed.
- In the case of prolonged shutdown of the system, it is recommended to soak the membrane components in the maintenance solution to prevent bacterial growth
- The first hour of use of the membrane element should be discharged.
- Please ensure that chemicals and lubricants do not adversely affect the membrane components



GALLON Gallon industrial 8 "ultrafiltration coil RO membrane element

Introduction : High water yield and high stability:
8" ultrafiltration roll membrane element

Gallon reverse osmosis industrial 8" membrane components are the top products in the industry. Advanced coating The production line and superb membrane technology result in high quality and most stable performance. Gallon film Unique design, high salt rejection rate, can maintain the maximum water production flux.

Description : Membrane material: polyamide composite film material
Roll membrane element
Epoxy A FRP outer packaging
Used in bio-fermentation, food and beverage, electrophoretic paint wastewater recycling, etc.

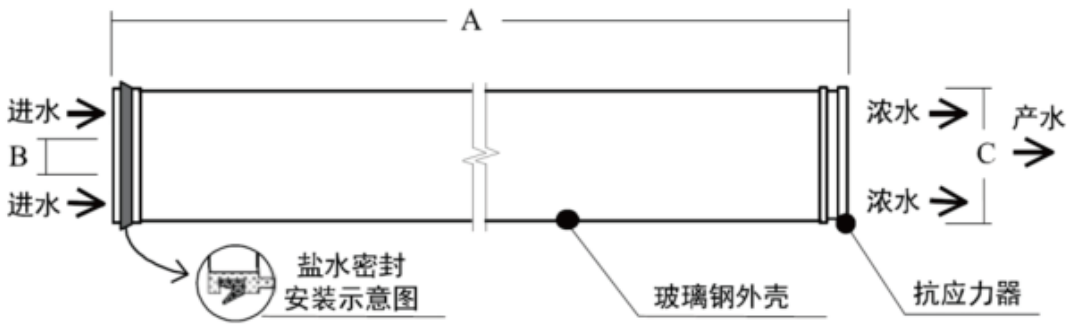
Parameter :

Model No.	Flow Rate GPD (m3/d)	Active area ft² (m²)	Stable salt rejection	Thickness of water inlet screen mil (mm)	Test condition
UF-8040	13500 (51.1)	250 (23.2)	99.5%	46 (1.17)	150psi/纯水

1. All performance data is under 25 °C (77 ° F), under the condition of pH 7.5 and recovery rate of 15%.

2. The allowable variation range of water yield of a single membrane element is 15%.

Element size :



Model No.	Size-inch (mm)		
	A	B	C
UF-8040	40.0(1016)	1.125(29)	7.9(201)

* 1inch=25.4mm

Conditions of use : Maximum operating temperature----- 45°C (113°F)
Maximum working pressure----- 150psi (1.05Mpa)
Maximum pressure drop (single component)--- 15psi (0.1Mpa)
Continuous operation pH range----- 3~11
PH range for cleaning----- 1~13
Maximum intake water oxygen----- 150ppm
Maximum feed water SDI----- 5

Key operating points :

- Strictly follow start-up procedure to prevent membrane damage due to excessive impact. Instrument calibration, membrane pretreatment and other system inspections shall be performed prior to system start-up and membrane element loading.
- Always reduce any pressure shocks or cross flow fluctuations on the coil elements.During start-up, it is recommended to make a gradual change in pressure from rest to running state.
- The maximum allowable pressure drop across the pressure vessel (diaphragm) is 500psi (0.34mpa)
- No static pressure shall be generated at the water-producing side.
- Always keep the membrane element wet after first immersion.
- The manufacturer will not provide warranty if the requirements of operating restrictions and guidelines are not followed.
- In the case of prolonged shutdown of the system, it is recommended to soak the membrane components in the maintenance solution to prevent bacterial growth
- The first hour of use of the membrane element should be discharged.
- Please ensure that chemicals and lubricants do not adversely affect the membrane components



GALLON Gallon industrial 8 "nanofiltration coil RO membrane element

Introduction : Retain beneficial minerals and high stability:
8" nanofiltration membrane element

Gallon reverse osmosis industrial 8" membrane components are the top products in the industry. Advanced coating The production line and superb membrane technology result in high quality and most stable performance. Gallon film Unique design, high salt rejection rate, can maintain the maximum water production flux.

Description : Membrane material: polyamide composite film material
Roll membrane element
Epoxy A FRP outer packaging
Used in pharmaceutical, dye, acid, alkali recovery and other fields

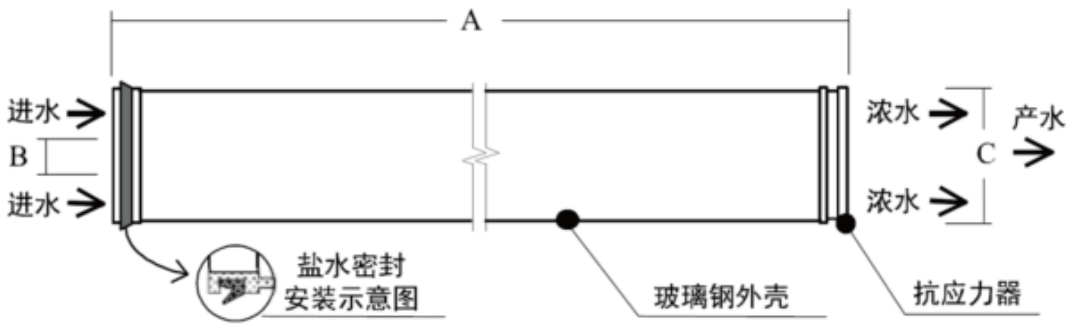
Parameter :

Model No.	Flow Rate GPD (m3/d)	Active area ft ² (m ²)	Stable salt rejection	Thickness of water inlet screen mil (mm)	Test condition
NF-8040	9500 (36)	400 (37)	50%~70%	30 (0.76)	100psi/2000ppmNacl

1. All performance data is under 25 °C (77 ° F), under the condition of pH 7.5 and recovery rate of 15%.

2. The allowable variation range of water yield of a single membrane element is 15%..

Element size :



Model No.	Size-inch (mm)		
	A	B	C
NF-8040	40.0(1016)	1.125(29)	7.9(201)

* 1inch=25.4mm

Conditions of use : Maximum operating temperature----- 45°C (113°F)
Maximum working pressure----- 600psi (4.1Mpa)
Maximum pressure drop (single component)--- 15psi (0.1Mpa)
Continuous operation pH range----- 3~10
PH range for cleaning----- 2~12
Maximum intake water oxygen----- <0.1ppm
Maximum feed water SDI----- 5

Key operating points :

- Strictly follow start-up procedure to prevent membrane damage due to excessive impact. Instrument calibration, membrane pretreatment and other system inspections shall be performed prior to system start-up and membrane element loading.
- Always reduce any pressure shocks or cross flow fluctuations on the coil elements.During start-up, it is recommended to make a gradual change in pressure from rest to running state.
- The maximum allowable pressure drop across the pressure vessel (diaphragm) is 500psi (0.34mpa)
- No static pressure shall be generated at the water-producing side.
- Always keep the membrane element wet after first immersion.
- The manufacturer will not provide warranty if the requirements of operating restrictions and guidelines are not followed.
- In the case of prolonged shutdown of the system, it is recommended to soak the membrane components in the maintenance solution to prevent bacterial growth
- The first hour of use of the membrane element should be discharged.
- Please ensure that chemicals and lubricants do not adversely affect the membrane components



GALLON Gallon industrial 4 "seawater coil RO membrane element

Introduction : High salt rejection, high water yield, high stability:
4" seawater membrane element

Gallon reverse osmosis industrial 4" membrane components are the top products in the industry. Advanced coating The production line and superb membrane technology result in high quality and most stable performance. Gallon film Unique design, high salt rejection rate, can maintain the maximum water production flux.

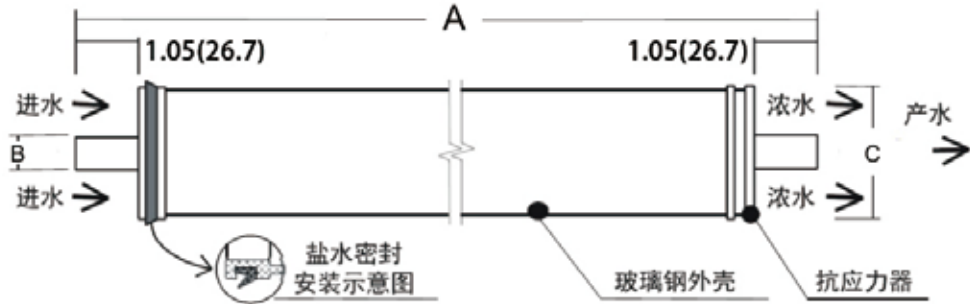
Description : Membrane material: polyamide composite film material
Roll membrane element
Epoxy A FRP outer packaging
Applied to the treatment of seawater under high pressure

Parameter :

Model No.	Flow Rate GPD (m3/d)	Active area ft ² (m ²)	Stable salt rejection	Thickness of water inlet screen mil (mm)	Test condition
SW-4040	1900 (7.2)	85 (7.9)	99.0%	28 (0.7)	800psi/32800ppm NaCl

- 1. All performance data is under 25 °C (77 ° F), under the condition of pH 7.5 and recovery rate of 15%.
- 2. The allowable variation range of water yield of a single membrane element is 15%.

Element size :



Model No.	Size-inch (mm)		
	A	B	C
SW-4040	40.0(1016)	0.75(19)	3.9(99)

* 1inch=25.4mm

Conditions of use : Maximum operating temperature----- 45°C (113°F)
Maximum working pressure----- 1000psi (6.9Mpa)
Maximum pressure drop (single component)--- 15psi (0.1Mpa)
Continuous operation pH range----- 3~11
PH range for cleaning----- 1.5~12
Maximum intake water oxygen----- <0.1ppm
Maximum feed water SDI----- 5

Key operating points :

- Strictly follow start-up procedure to prevent membrane damage due to excessive impact. Instrument calibration, membrane pretreatment and other system inspections shall be performed prior to system start-up and membrane element loading.
- Always reduce any pressure shocks or cross flow fluctuations on the coil elements. During start-up, it is recommended to make a gradual change in pressure from rest to running state.
- The maximum allowable pressure drop across the pressure vessel (diaphragm) is 500psi (0.34mpa)
- No static pressure shall be generated at the water-producing side.
- Always keep the membrane element wet after first immersion.
- The manufacturer will not provide warranty if the requirements of operating restrictions and guidelines are not followed.
- In the case of prolonged shutdown of the system, it is recommended to soak the membrane components in the maintenance solution to prevent bacterial growth
- The first hour of use of the membrane element should be discharged.
- Please ensure that chemicals and lubricants do not adversely affect the membrane components



GALLON Gallon industrial 4 "brackish water coil RO membrane element I

Introduction : High water yield and high stability:
4" Brackish water-rolled membrane element

Gallon reverse osmosis industrial 4" membrane components are the top products in the industry. Advanced coating The production line and superb membrane technology result in high quality and most stable performance. Gallon film The unique component equipment has a high salt rejection rate and maintains the maximum water production flux.

Description : Membrane material: polyamide composite film material
Roll membrane element
Epoxy A FRP outer packaging
Applied to the treatment of brackish water

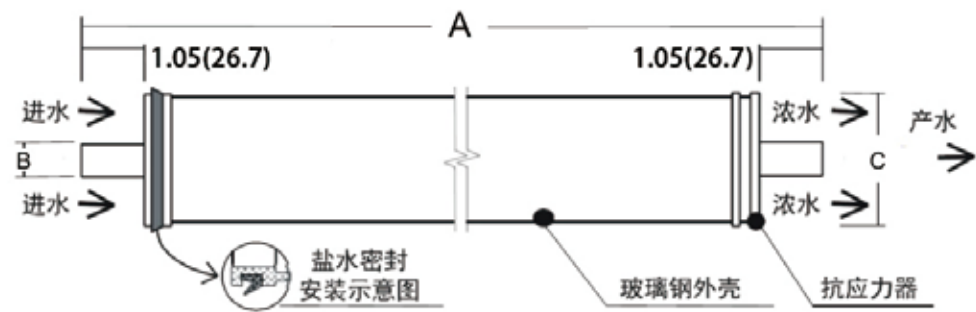
Parameter :

Model No.	Flow Rate GPD (m3/d)	Active area ft² (m²)	Stable salt rejection	Thickness of water inlet screen mil (mm)	Test condition
BW-4040	2400 (9.1)	85 (7.9)	99.5%	28 (0.7)	225psi/2000ppm NaCl
ULP-4040-HF	2800 (10.6)	85 (7.9)	98.5%	28 (0.7)	150psi/2000ppm NaCl
ULP-4040	2400 (9.1)	85 (7.9)	99.0%	28 (0.7)	150psi/2000ppm NaCl

1. All performance data is under 25 °C (77 ° F), under the condition of pH 7.5 and recovery rate of 15%.

2. The allowable variation range of water yield of a single membrane element is 15%.

Element size :



Model No.	Size-inch (mm)		
	A	B	C
BW-4040	40.0(1016)	0.75(19)	3.9(99)
ULP-4040-HF	40.0(1016)	0.75(19)	3.9(99)
ULP-4040	40.0(1016)	0.75(19)	3.9(99)

* 1inch=25.4mm

Conditions of use : Maximum operating temperature----- 45°C (113°F)
Maximum working pressure----- 600psi (4.1Mpa)
Maximum pressure drop (single component)--- 15psi (0.1Mpa)
Continuous operation pH range----- 3~11
PH range for cleaning----- 1.5~12
Maximum intake water oxygen----- <0.1ppm
Maximum feed water SDI----- 5

Key operating points :

- Strictly follow start-up procedure to prevent membrane damage due to excessive impact. Instrument calibration, membrane pretreatment and other system inspections shall be performed prior to system start-up and membrane element loading.
- Always reduce any pressure shocks or cross flow fluctuations on the coil elements.During start-up, it is recommended to make a gradual change in pressure from rest to running state.
- The maximum allowable pressure drop across the pressure vessel (diaphragm) is 500psi (0.34mpa)
- No static pressure shall be generated at the water-producing side.
- Always keep the membrane element wet after first immersion.
- The manufacturer will not provide warranty if the requirements of operating restrictions and guidelines are not followed.
- In the case of prolonged shutdown of the system, it is recommended to soak the membrane components in the maintenance solution to prevent bacterial growth
- The first hour of use of the membrane element should be discharged.
- Please ensure that chemicals and lubricants do not adversely affect the membrane components



GALLON Gallon industrial 4 "brackish water coil RO membrane element II

Introduction : Low pressure, high water yield, high stability:
4" Brackish water-rolled membrane element

Gallon reverse osmosis industrial 4" membrane components are the top products in the industry. Advanced coating The production line and superb membrane technology result in high quality and most stable performance. Gallon film The unique design of the components, high salt rejection rate, can maintain the maximum water production flux.

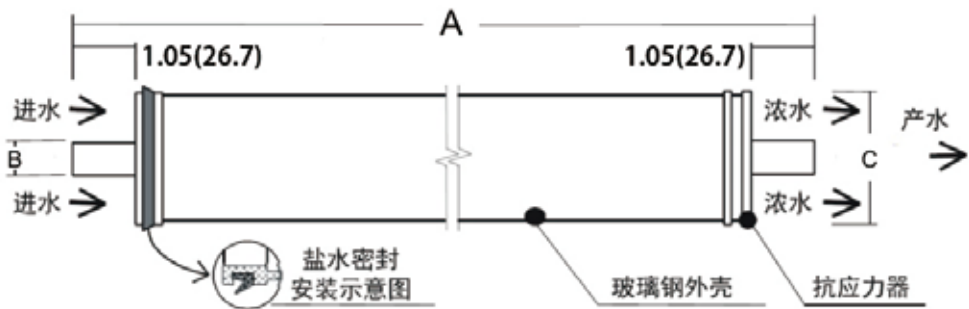
Description : Membrane material: polyamide composite film material
Roll membrane element
Epoxy A FRP outer packaging
Used in the treatment of brackish water under low pressure or ultra low pressure

Parameter :

Model No.	Flow Rate GPD (m3/d)	Active area ft² (m²)	Stable salt rejection	Thickness of water inlet screen mil (mm)	Test condition
ULP-4021	800 (3.0)	37 (3.5)	99.0%	28 (0.7)	150psi/2000ppm NaCl

1. All performance data is under 25 °C (77 ° F), under the condition of pH 7.5 and recovery rate of 15%.
2. The allowable variation range of water yield of a single membrane element is 15%.

Element size :



Model No.	Size-inch (mm)		
	A	B	C
ULP-4021	21.0(533)	0.75(19)	3.9(99)

* 1inch=25.4mm

Conditions of use : Maximum operating temperature----- 45°C (113°F)
Maximum working pressure----- 600psi (4.1Mpa)
Maximum pressure drop (single component)--- 15psi (0.1Mpa)
Continuous operation pH range----- 3~11
PH range for cleaning----- 1.5~12
Maximum intake water oxygen----- <0.1ppm
Maximum feed water SDI----- 5

Key operating points :

- Strictly follow start-up procedure to prevent membrane damage due to excessive impact. Instrument calibration, membrane pretreatment and other system inspections shall be performed prior to system start-up and membrane element loading.
- Always reduce any pressure shocks or cross flow fluctuations on the coil elements.During start-up, it is recommended to make a gradual change in pressure from rest to running state.
- The maximum allowable pressure drop across the pressure vessel (diaphragm) is 500psi (0.34mpa)
- No static pressure shall be generated at the water-producing side.
- Always keep the membrane element wet after first immersion.
- The manufacturer will not provide warranty if the requirements of operating restrictions and guidelines are not followed.
- In the case of prolonged shutdown of the system, it is recommended to soak the membrane components in the maintenance solution to prevent bacterial growth
- The first hour of use of the membrane element should be discharged.
- Please ensure that chemicals and lubricants do not adversely affect the membrane components



GALLON Gallon industrial 4 "anti-fouling coil RO membrane element

Introduction : High water yield and high stability:
4" anti-contamination rolled membrane element

Gallon reverse osmosis industrial 4" membrane components are the top products in the industry. Advanced coating The production line and superb membrane technology result in high quality and most stable performance. Anti-pollution volume After the surface of the membrane element membrane is treated by a special process, the hydrophilicity of the membrane surface is enhanced, especially for For the treatment of water sources with high biological or organic pollution, in high biological pollution Under the condition, the membrane fouling is reduced, the average operating pressure of the system is reduced, and the membrane element is prolonged Life expectancy.

Description : Membrane material: polyamide composite film material
Roll membrane element
Epoxy A FRP outer packaging
Applied to surface water, groundwater, tap water, municipal water, etc.

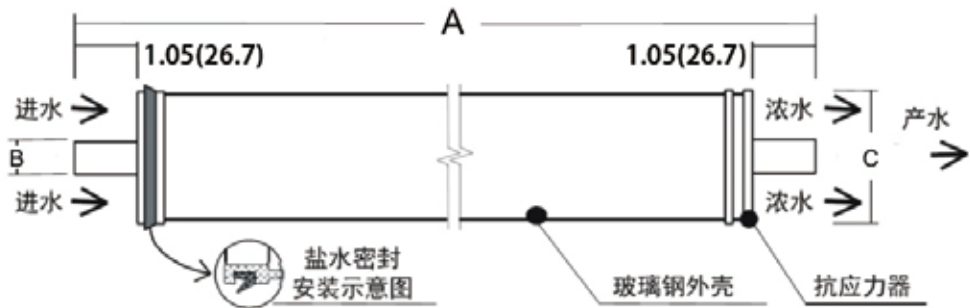
Parameter :

Model No.	Flow Rate GPD (m3/d)	Active area ft² (m²)	Stable salt rejection	Thickness of water inlet screen mil (mm)	Test condition
FR-4040	2400 (9.1)	85 (7.9)	99.5%	28 (0.7)	225psi/2000ppm NaCl

1. All performance data is under 25 °C (77 ° F), under the condition of pH 7.5 and recovery rate of 15%.

2. The allowable variation range of water yield of a single membrane element is 15%.

Element size :



Model No.	Size-inch (mm)		
	A	B	C
FR-4040	40.0(1016)	0.75(19)	3.9(99)

* 1inch=25.4mm

Conditions of use : Maximum operating temperature----- 45°C (113°F)
Maximum working pressure----- 600psi (4.1Mpa)
Maximum pressure drop (single component)--- 15psi (0.1Mpa)
Continuous operation pH range----- 3~11
PH range for cleaning----- 1.5~12
Maximum intake water oxygen----- <0.1ppm
Maximum feed water SDI----- 5

Key operating points :

- Strictly follow start-up procedure to prevent membrane damage due to excessive impact. Instrument calibration, membrane pretreatment and other system inspections shall be performed prior to system start-up and membrane element loading.
- Always reduce any pressure shocks or cross flow fluctuations on the coil elements.During start-up, it is recommended to make a gradual change in pressure from rest to running state.
- The maximum allowable pressure drop across the pressure vessel (diaphragm) is 500psi (0.34mpa)
- No static pressure shall be generated at the water-producing side.
- Always keep the membrane element wet after first immersion.
- The manufacturer will not provide warranty if the requirements of operating restrictions and guidelines are not followed.
- In the case of prolonged shutdown of the system, it is recommended to soak the membrane components in the maintenance solution to prevent bacterial growth
- The first hour of use of the membrane element should be discharged.
- Please ensure that chemicals and lubricants do not adversely affect the membrane components



GALLON Gallon industrial 4 "ultrafiltration coil RO membrane element

Introduction : High water yield and high stability:
4" ultrafiltration roll membrane element

Gallon reverse osmosis industrial 4" membrane components are the top products in the industry. Advanced coating The production line and superb membrane technology result in high quality and most stable performance. Gallon film Unique design, high salt rejection rate, can maintain the maximum water production flux.

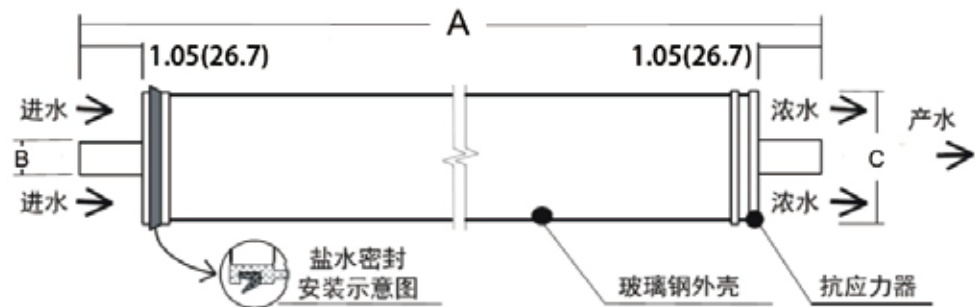
Description : Membrane material: polyamide composite film material
Roll membrane element
Epoxy A FRP outer packaging
Used in bio-fermentation, food and beverage, electrophoretic paint wastewater recycling, etc.

Parameter :

Model No.	Flow Rate GPD (m3/d)	Active area ft² (m²)	Stable salt rejection	Thickness of water inlet screen mil (mm)	Test condition
UF-4040	2400 (9.1)	85 (7.9)	99.5%	28 (0.7)	150psi/纯水

1. All performance data is under 25 °C (77 ° F), under the condition of pH 7.5 and recovery rate of 15%.
2. The allowable variation range of water yield of a single membrane element is 15%.

Element size :



Model No.	Size-inch (mm)		
	A	B	C
UF-8040	40.0(1016)	0.75(19)	3.9(99)

* 1inch=25.4mm

Conditions of use : Maximum operating temperature----- 45°C (113°F)
Maximum working pressure----- 150psi (1.05Mpa)
Maximum pressure drop (single component)--- 15psi (0.1Mpa)
Continuous operation pH range----- 3~11
PH range for cleaning----- 1~13
Maximum intake water oxygen----- 150ppm
Maximum feed water SDI----- 5

Key operating points :

- Strictly follow start-up procedure to prevent membrane damage due to excessive impact. Instrument calibration, membrane pretreatment and other system inspections shall be performed prior to system start-up and membrane element loading.
- Always reduce any pressure shocks or cross flow fluctuations on the coil elements.During start-up, it is recommended to make a gradual change in pressure from rest to running state.
- The maximum allowable pressure drop across the pressure vessel (diaphragm) is 500psi (0.34mpa)
- No static pressure shall be generated at the water-producing side.
- Always keep the membrane element wet after first immersion.
- The manufacturer will not provide warranty if the requirements of operating restrictions and guidelines are not followed.
- In the case of prolonged shutdown of the system, it is recommended to soak the membrane components in the maintenance solution to prevent bacterial growth
- The first hour of use of the membrane element should be discharged.
- Please ensure that chemicals and lubricants do not adversely affect the membrane components



GALLON Gallon industrial 4 "nanofiltration coil RO membrane element

Introduction : Retain beneficial minerals and high stability:
4" nanofiltration membrane element

Gallon reverse osmosis industrial 8" membrane components are the top products in the industry. Advanced coating The production line and superb membrane technology result in high quality and most stable performance. Gallon film Unique design, high salt rejection rate, can maintain the maximum water production flux.

Description : Membrane material: polyamide composite film material
Roll membrane element
Epoxy A FRP outer packaging
Used in pharmaceutical, dye, acid, alkali recovery and other fields

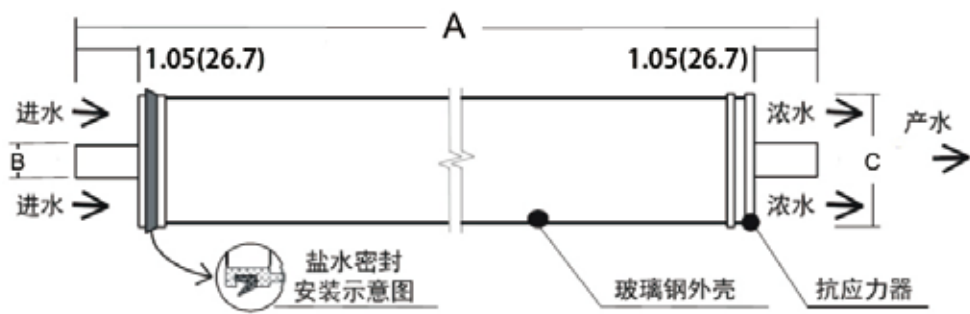
Parameter :

Model No.	Flow Rate GPD (m3/d)	Active area ft² (m²)	Stable salt rejection	Thickness of water inlet screen mil (mm)	Test condition
NF-4040	2000 (7.5)	85 (7.9)	50%~70%	28 (0.7)	100psi/2000ppmNacl

1. All performance data is under 25 °C (77 ° F), under the condition of pH 7.5 and recovery rate of 15%.

2. The allowable variation range of water yield of a single membrane element is 15%.

Element size :



Model No.	Size-inch (mm)		
	A	B	C
NF-8040	40.0(1016)	0.75(19)	3.9(99)

* 1inch=25.4mm

Conditions of use : Maximum operating temperature----- 45°C (113°F)
Maximum working pressure----- 600psi (4.1Mpa)
Maximum pressure drop (single component)--- 15psi (0.1Mpa)
Continuous operation pH range----- 3~10
PH range for cleaning----- 2~12
Maximum intake water oxygen----- <0.1ppm
Maximum feed water SDI----- 5

Key operating points :

- Strictly follow start-up procedure to prevent membrane damage due to excessive impact. Instrument calibration, membrane pretreatment and other system inspections shall be performed prior to system start-up and membrane element loading.
- Always reduce any pressure shocks or cross flow fluctuations on the coil elements. During start-up, it is recommended to make a gradual change in pressure from rest to running state.
- The maximum allowable pressure drop across the pressure vessel (diaphragm) is 500psi (0.34mpa)
- No static pressure shall be generated at the water-producing side.
- Always keep the membrane element wet after first immersion.
- The manufacturer will not provide warranty if the requirements of operating restrictions and guidelines are not followed.
- In the case of prolonged shutdown of the system, it is recommended to soak the membrane components in the maintenance solution to prevent bacterial growth
- The first hour of use of the membrane element should be discharged.
- Please ensure that chemicals and lubricants do not adversely affect the membrane components





【Workshop 7S specification】

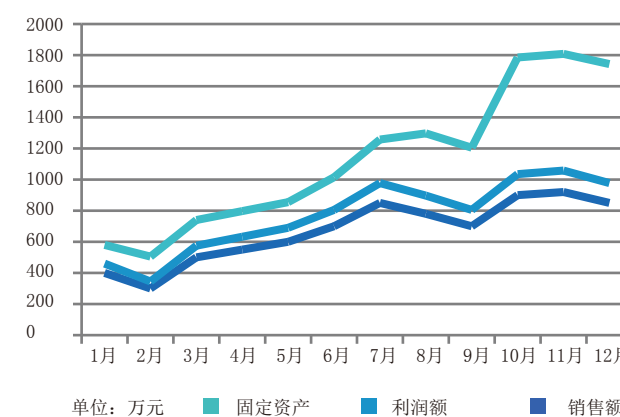
The 7S standard is the basis of gallon's excellent quality management. In the continuous practice process, 7S standard is integrated into the management system of zhuoyue organization, which creates gallon's unique management culture.

【Partner equity】

In order to protect the interests of each supplier, the gallon has innovatively adopted the method of regular review and reporting in the procurement management system. The supplier has any doubts and can directly submit comments through the general manager's line during the audit period.

Gallon always puts the needs of partners in the first place, adhering to the integrity, abide by the quality and service commitment, and strive to create value for customers, to be a reliable partner of customers.

Expert team



【Shareholders' equity】

Gallon has established a sound financial management system, monthly Provide clear statements to shareholders and shareholder The right party can read the gallon account income and expenditure situation at any time to understand The company's operations. The company's major resolution must be The full vote of the shareholders meeting can be executed, thus guaranteeing each Shareholders' equity .



Gallen team members participate in environmental cycling activities



Gallen Team Festival Party

【The social responsibility】

Gallon has always advocated sustainable development and integrated the concept of sustainable development into the research and development of products. We produce high-quality products with better quality and better performance, and contribute to the environmental protection of all mankind.

Gallon actively participates in public welfare undertakings, and is committed to contributing to social welfare within its ability. the amount. Encourage employees to participate in various public welfare activities organized by the government and non-profit organizations.



【Excellent process system】

Gallon has always been studying how to make the process more simple and efficient. During the years of exploration, gallon has summarized the unique process system and improved the system. Every employee has benefited from the continuous improvement and is proud of his efforts.

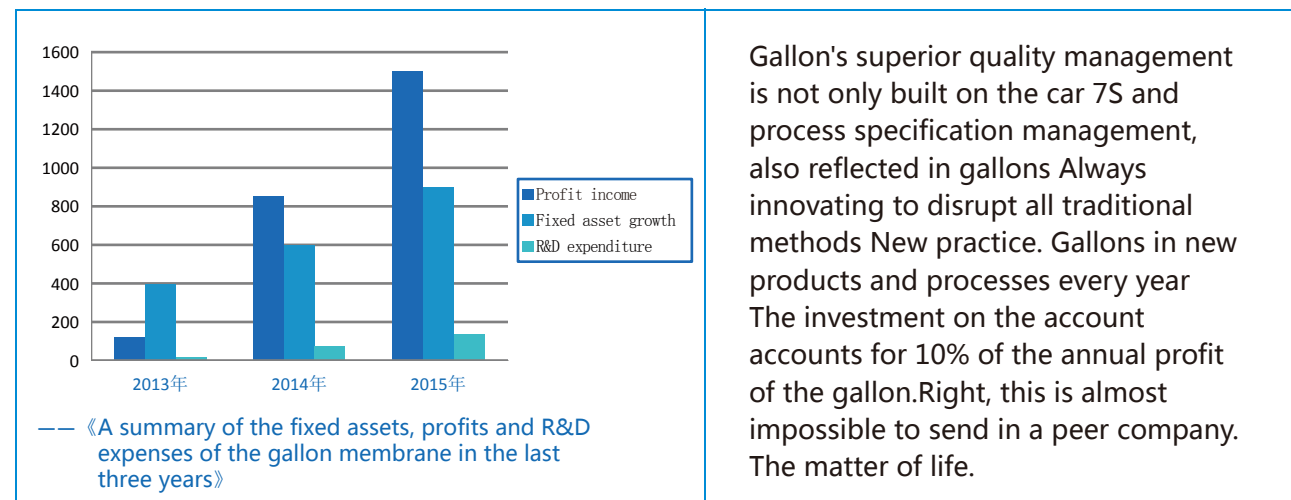
【Employees' rights and interests】

Gallon provides its employees with competitive salary package, good accommodation and dining environment, as well as basic fitness facilities. Galen also gives employees the opportunity to travel each year, allowing them to take paid time off.



【Performance Excellence】

The Performance Excellence Model, which originated from the selection of the Potomac award of the United States, is an effective organizational management method widely recognized. Gallen introduced zhuoyue performance management into the organizational management system and established zhuoyue performance award. Each month, for high performance employees, garron will award the spirit of excellence medal, and give material rewards based on salary, in recognition of their outstanding performance in excellent management.



> Approval documents on water



GALLON

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