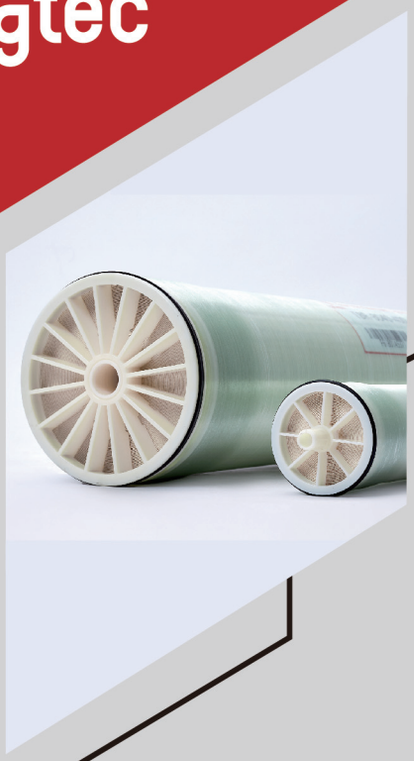
Bangtec®



Jiangsu Bangtec Environmental Sci-Tech Co.Ltd.

OVERVIEW COMPANY

Jiangsu Bangtec Environmental Sci-Tech Co,.Ltd. is a membrane separation technology based manufacturer, specialized in providing innovative membrane products and solutions to multiple industries.

Vision

Acceleration for worldwide resource-conserving society

Mission

Through outstanding membrane products and design concepts, to achieve efficient energy conserving and environmental protection

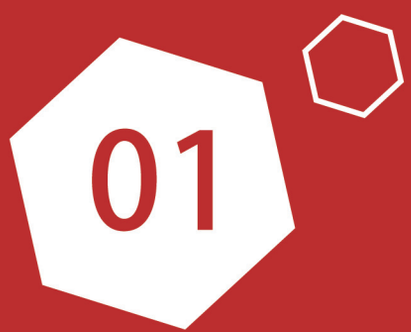
Values

Be faithful in words, sincere in actions, and strive for excellence

30 acres' own land
100million investment
200million fixed assets

R&D/Manufacture:
30000 m² in Nantong city, Jiangsu province

Professional 8 doctors, tranging from membrane material/system/solution etc. , full coverage technology on water treatment



ENTERPRISE QUALIFICATION

ENTERPRISE QUALIFICATION

ZTC 中泰认证

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 29024S10439-03R0M

Jiangsu Bangtec Environmental Sc-Tech Co., Ltd.

Unified Social Credit Code:91320612MA1NE1JA1L

Registered Address:No.28. Wenjing Road, Nantong High-tech Industrial Development Zone, Nantong City, Jiangsu Province, China

Office Address:No.28. Wenjing Road, Nantong High-tech Industrial Development Zone, Nantong City, Jiangsu Province, China

Production Address:No.28. Wenjing Road, Nantong High-tech Industrial Development Zone, Nantong City, Jiangsu Province, China

has been established the occupational health and safety management system meeting the requirements of standard

GB/T 45001-2020 idt ISO 45001:2018

The certificate is valid to the following scope

Occupational health and safety management activities involved in the research and development, production, and sales of water treatment equipment spare parts (reverse osmosis membranes)

Date of Initial Issue: 18-03-2024

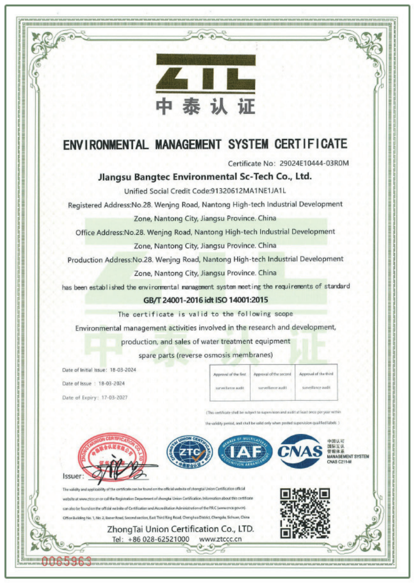
Date of Issue: 18-03-2024

Date of Expiry: 17-03-2027

Issuer:

ZhongTai Union Certification Co., LTD.

Tel: +86 028-62521000 www.ztccc.cn



ZTC 中泰认证

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 29024E10444-03R0M

Jiangsu Bangtec Environmental Sc-Tech Co., Ltd.

Unified Social Credit Code:91320612MA1NE1JA1L

Registered Address:No.28. Wenjing Road, Nantong High-tech Industrial Development Zone, Nantong City, Jiangsu Province, China

Office Address:No.28. Wenjing Road, Nantong High-tech Industrial Development Zone, Nantong City, Jiangsu Province, China

Production Address:No.28. Wenjing Road, Nantong High-tech Industrial Development Zone, Nantong City, Jiangsu Province, China

has been established the environmental management system meeting the requirements of standard

GB/T 24001-2016 idt ISO 14001:2015

The certificate is valid to the following scope

Environmental management activities involved in the research and development, production, and sales of water treatment equipment spare parts (reverse osmosis membranes)

Date of Initial Issue: 18-03-2024

Date of Issue: 18-03-2024

Date of Expiry: 17-03-2027

Issuer:

ZhongTai Union Certification Co., LTD.

Tel: +86 028-62521000 www.ztccc.cn

ZTC 中泰认证

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 29024Q10650-03R0M

Jiangsu Bangtec Environmental Sc-Tech Co., Ltd.

Unified Social Credit Code:91320612MA1NE1JA1L

Registered Address:No.28. Wenjing Road, Nantong High-tech Industrial Development Zone, Nantong City, Jiangsu Province, China

Office Address:No.28. Wenjing Road, Nantong High-tech Industrial Development Zone, Nantong City, Jiangsu Province, China

Production Address:No.28. Wenjing Road, Nantong High-tech Industrial Development Zone, Nantong City, Jiangsu Province, China

has been established the quality management system meeting the requirements of standard

GB/T 19001-2016 idt ISO 9001:2015

The certificate is valid to the following scope

Research and development, production, and sales of water treatment equipment spare parts (reverse osmosis membranes)

Date of Initial Issue: 18-03-2024

Date of Issue: 18-03-2024

Date of Expiry: 17-03-2027

Issuer:

ZhongTai Union Certification Co., LTD.

Tel: +86 028-62521000 www.ztccc.cn

UDEM

RoHS COMPLIANCE DIRECTIVE (EU)2015/863 ATTESTATION OF CONFORMITY

Technical File of the company mentioned below has been inspected and assessment has been completed successfully (EU)2015/863 RoHS Compliance of Directive have been taken as references for these processes

Company Name	: Jiangsu Bangtec Environmental Sci-Tech Co., Ltd.
Company Address	: No. 28, Wenjing Road, Nantong High-tech Zone, Jiangsu, China
Related Directives and Annex	: Directive (EU)2015/863 Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment
Related Standards	: IEC 62321-1:2013, IEC 62321-2:2021, IEC 62321-3-1:2013 IEC 62321-3-2:2020, IEC 62321-4:2013+A1:2017 IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015
Product Name	: Reverse Osmosis Membrane
Report No and Date	: SCC(23)-60321A-10-R
Product Brand/Model/Type	: ULP, BW
Certificate Number	: M.2023.206.C85414
Initial Assessment Date	: 16.05.2023
Registration Date	: 17.05.2023
Reissue Date/No	: -
Expiry Date	: 16.05.2026

UDEM International Certification Auditing Training Centre Industry and Trade Inc.Co

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2019101330

The Commissioner of Patents has granted the above patent on 27 November 2019, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

JIANGSU BANGTEC ENVIRONMENTAL SCI-TECH CO. LTD of No. 288, Xingyuan Road, High-tech Industrial Development Zone, Nantong, Jiangsu Nantong 226000 China

Title of invention:

PREPARATION METHOD FOR REVERSE OSMOSIS MEMBRANE

Name of inventor(s):

Zhao, Huiyu

Term of Patent:

Eight years from 1 November 2019

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.

Dated this 27th day of November 2019

Commissioner of Patents

PATENTS ACT 1990

FDA FFR | FOOD FACILITY REGISTRATION

Fiscal Year 2026

This certifies that:

JIANGSU BANGTEC ENVIRONMENTAL SCI-TECH CO., LTD

No. 28, Wenjing Road, Nantong High-tech Industrial Development Zone, Nantong, Jiangsu, 226300 China

Is registered with the U.S. Food and Drug Administration pursuant to section 305 of the United States Public Health Security and Bio terrorism Preparedness and Response Act of 2002, P.L.107-188, such registration having been verified as currently effective on the date here of by CIIC

U.S.FDA Registration No.: 17040673028

D-U-N-S Number: 41-461-4786

Product name: RO Membrane Sheet

Web: http://www.fda.gov

Tel: 1-888-INFO-FDA (1-888-463-6332)

Issued: 01/01/2026

Expiration Date: 12/31/2026

Tel: 400-8080-621 Web: http://www.ciic-cert.com/

NSF International

789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

Jiangsu Bangtec Environmental Sci-Tech Co. Ltd.

China

AS COMPLYING WITH NSF/ANSI 58, NSF/ANSI/CAN 61 AND ALL APPLICABLE REQUIREMENTS. PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE AUTHORIZED TO BEAR THE NSF MARK.

March 24, 2025

Certificate# C0372546 - 02

David Purkiss

VP Business Development Water

NSF International

789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

Jiangsu Bangtec Environmental Sci-Tech Co. Ltd.

China

AS COMPLYING WITH NSF/ANSI/CAN 61 AND ALL APPLICABLE REQUIREMENTS. PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE AUTHORIZED TO BEAR THE NSF MARK.

June 10, 2024

Certificate# C0372546 - 01

David Purkiss

VP Water

By 2022,Bangtec has obtained:
one international invention patent;
nine Chinese invention patents;
Sixteen China national practical new-type patent

02

OUR PRODUCT

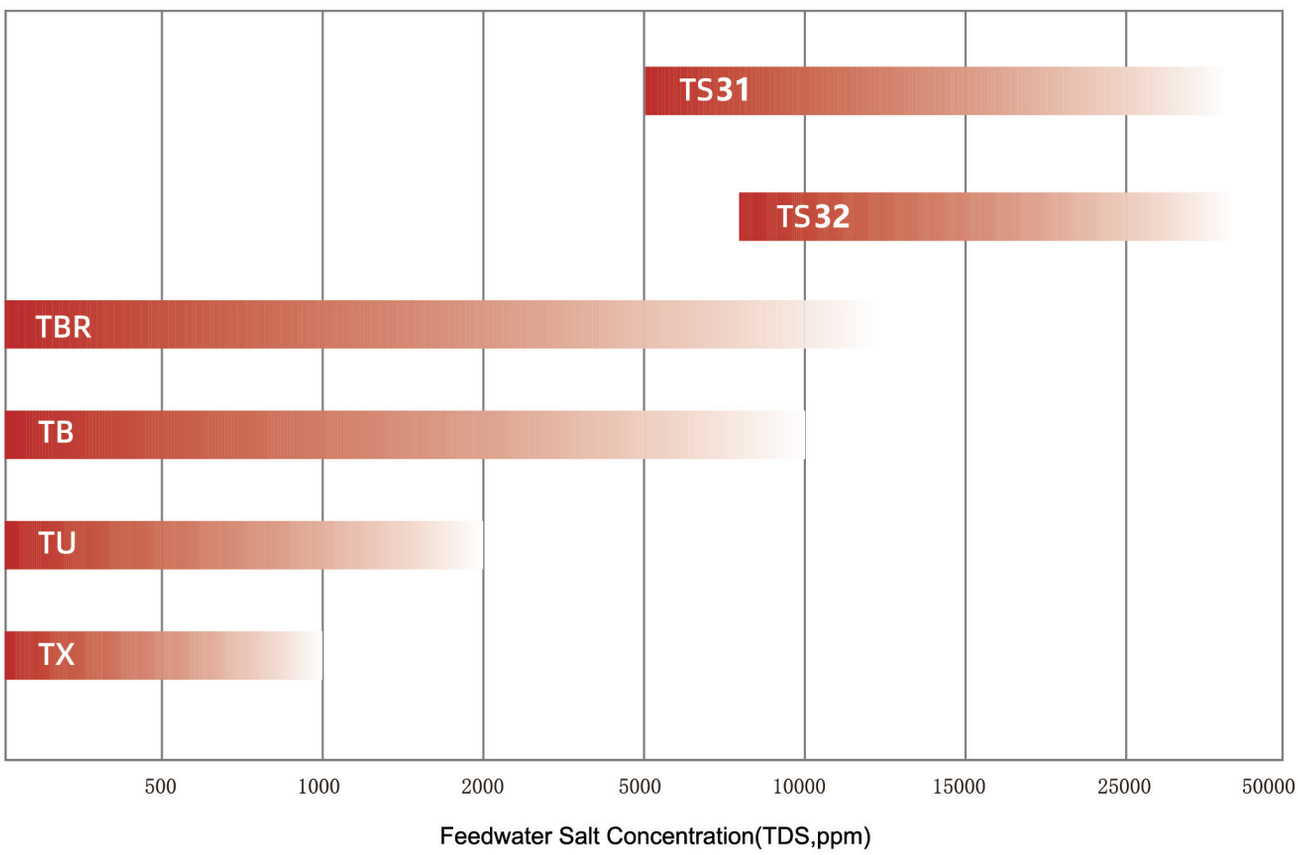
OUR PRODUCT

Membrane Sheet Type & Performance

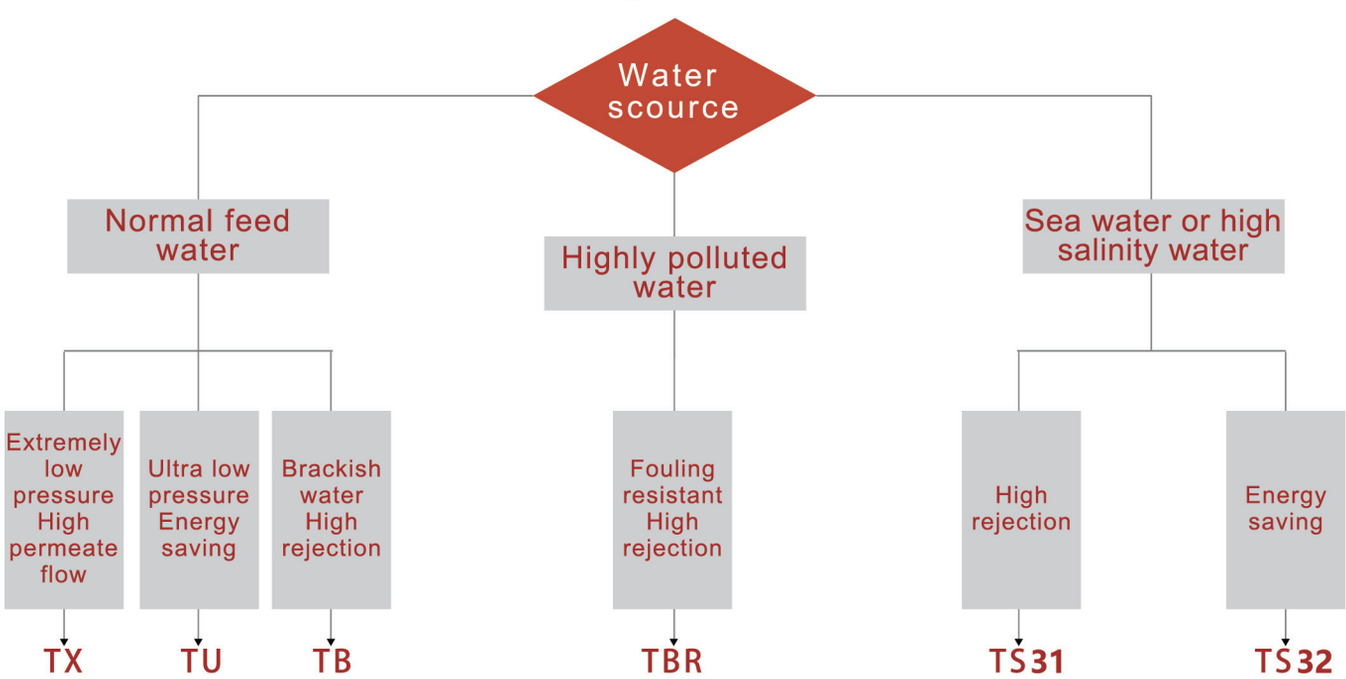
Sheet Type	Model	Min Rejection (%)	Flow (GFD)	Test Condition					
				Test solution	Test solution Concentration (ppm)	Pressure psi(MPa)	Cross-flow velocity (m/s)	Temperature (℃)	PH
ULP Sheet	TU31	99.6	28-34	NaCl	1500	150 (1.03)	⩾0.45	25	7-8
	TU32	99.5	32-38						
	TU23	99.3	38-44						
	TU14	99.1	45-55						
	TU15	98.5	55-60						
	TU16	97.5	>60						
BW Sheet	TB	99.6	32-38		2000	225 (1.55)			
BW-FR Sheet	TBR	99.6	28-34						
SW Sheet	TS31	99.7	19-25		32000	800 (5.52)			
	TS32	99.6	25-31						
NF Sheet	TN3	98.0	28-34						
	TN2	97.0	32-38	$MgSO_4$	2000	100(0.69)			
	TN1	97.0	38-44						

OUR PRODUCT

1. Membrane elements selection according to salt content of feed water



2. Membrane elements selection according to water scource



OUR PRODUCT

Specifications of Industrial RO Membrane

Type	Model	Stable Rejection (%)	Min Rejection (%)	Permeate Flow GPD(m^3/d)	Effective Membrane Area ft^2(m^2)	Spacer Thickness (mil)	Test conditions (water temperature 25 ℃)		
							Test solution Concentration Nacl (ppm)	Test Pressure psi (Mpa)	Recovery (%)
Extra low pressure Element	TX-8040-400	98.0	97.5	12000(45.4)	400(37.2)	34	500	100(0.69)	15
	TX-4040	98.0	97.5	2700(10.2)	85(7.9)	34			
Ultra low pressure Element	TU3-8040-400	99.5	99.3	10500(39.7)	400(37.2)	34	1500	150(1.03)	15
	TU3-8040-440	99.5	99.3	12000(45.4)	440(40.9)	28			
	TU2-8040-400	99.3	99.0	12000(45.4)	400(37.2)	34			
	TU1-8040-400	99.0	98.5	14000(53.0)	400(37.2)	34			
	TU3-4040	99.5	99.3	2200(8.3)	85(7.9)	34			
	TU2-4040	99.3	99.0	2700(10.2)	85(7.9)	34			
	TU1-4040	99.0	98.5	3100(11.7)	85(7.9)	34			
Brackish Water Element	TB-8040-400	99.7	99.5	10500(39.7)	400(37.2)	34	2000	225(1.55)	15
	TB-8040-440	99.7	99.5	12000(45.4)	440(40.9)	28			
	TB-4040	99.7	99.5	2400(9.1)	85(7.9)	34			
Fouling Resistant Element	TBR-8040-400	99.7	99.5	10500(39.7)	400(37.2)	34	2000	225(1.55)	15
	TBR-4040	99.7	99.5	2400(9.1)	85(7.9)	34			
Sea Water Desalination Element	TS3-8040-400	99.8	99.7	7500(28.4)	400(37.2)	34	32000	800(5.50)	8
	TS2-8040-400	99.7	99.6	9000(34.0)	400(37.2)	34			
	TS3-4040	99.8	99.7	1600(6.1)	85(7.9)	34			
	TS2-4040	99.7	99.6	1900(7.2)	85(7.9)	34			
Nanofiltration Membrane Element	TN3-8040-400	98.0	97.5	9000(34.0)	400(37.2)	34	2000 MgSO4	100(0.69)	15
	TN2-8040-400	97.0	96.5	10500(39.7)	400(37.2)	34			
	TN1-8040-400	97.0	96.5	12000(45.4)	400(37.2)	34			
	TN3-4040	98.0	97.5	2000(7.5)	85(7.9)	34			
	TN2-4040	97.0	96.5	2400(9.1)	85(7.9)	34			
	TN1-4040	97.0	96.5	2700(10.2)	85(7.9)	34			

OUR PRODUCT

TU series-ultra low pressure RO membrane element

Product features

It is applicable to the treatment of water sources such as surface water, groundwa ter, tap water and municipal water with salt content below 2000 ppm.

Higher rejection rate and water flow can be obtained under lower operating pressure, which can effectively reduce costs and improve econnmic benefits. The membrane element has good stability and fouling resistance.

It is widely used in packaging water, drinking water, boiler make-up water, food processing and pharmaceutical manufacturing industries.

RO element specification & performance

Model	Stable Rejection (%)	Min Rejection (%)	Permeate Flow GPD(m^3/d)	Effective Membrane Area ft^2(m^2)	Spacer Thickness (mil)	Replaceable products
TU3-8040-400	99.5	99.3	10500(39.7)	400(37.2)	34	ECO PRO-400
TU3-8040-440	99.5	99.3	12000(45.4)	440(40.9)	28	ECO PRO-440
TU2-8040-400	99.3	99.0	12000(45.4)	400(37.2)	34	BW30HRLE-440
TU1-8040-400	99.0	98.5	14000(53.0)	400(37.2)	34	XLE-440
TU3-4040	99.5	99.3	2200(8.3)	85(7.9)	34	ULP31-4040
TU2-4040	99.3	99.0	2700(10.2)	85(7.9)	34	ULP21-4040
TU1-4040	99.0	98.5	3100(11.7)	85(7.9)	34	YQS-4040

Testing Conditions	Operating pressure	150psi(1.03MPa)
	Test solution temperature	25℃
	Test solution concentration (NaCl)	1500ppm
	PH value	7-8
	Recovery rate of single membrane element	15%
	Flow range of single membrane element	± 15%
Operating Conditions & Limitis	Maximum operating pressure	600psi(4.14MPa)
	Maximum temperature	45℃
	Maximum feedwater flow	Maximum feedwater flow: 8040-75gpm (17m^3/h) 4040-16gpm (3.6m^3/h)
	Maximum feedwater SDI15	5
	Maximum concentration of free chlorine	＜ 0.1ppm
	Allowed pH range for chemical cleaning	2-11
	Allowed pH range for feedwater in operation	1-13
	Maximum pressure drop per element	15psi(0.1MPa)

OUR PRODUCT

TX series - Extra low pressure RO membrane element

Product features

Suitable for treatment of surface water, groundwater, tap water, municipal water and other water sources, with water TDS below 1000 ppm.

Under extremely low operating pressure, high rejection and high flow can be obtained, thus the operation cost of relevant pumps, pipelines, containers and other equipment, are reduced.

It is widely used in bottled water, direct drinking water, boiler make-up water, food processing and pharmaceutical manufacturing industries with low operation cost and high water quality.

RO element specification & performance

Model	Stable Rejection (%)	Min Rejection (%)	Permeate Flow GPD(m^3/d)	Effective Membrane Area ft^2(m^2)	Spacer Thickness (mil)	Replaceable products
TX-8040-400	98.0	97.5	12000(45.4)	400(37.2)	34	ESPA4-8040
TX -4040	98.0	97.5	2700(10.2)	85(7.9)	34	ESPA4-4040
Testing Conditions	Operating pressure		100psi(0.69MPa)			
	Test solution temperature		25℃			
	Test solution concentration (NaCl)		500ppm			
	PH value		7-8			
	Recovery rate of single membrane element		15%			
	Flow range of single membrane element		± 15%			
Operating Conditions & Limitis	Maximum operating pressure		600psi(4.14MPa)			
	Maximum temperature		45℃			
	Maximum feedwater flow		Maximum feedwater flow: 8040-75gpm (17m^3/h) 4040-16gpm (3.6m^3/h)			
	Maximum feedwater SDI15		5			
	Maximum concentration of free chlorine		< 0.1ppm			
	Allowed pH range for chemical cleaning		2-11			
	Allowed pH range for feedwater in operation		1-13			
	Maximum pressure drop per element		15psi(0.1MPa)			

OUR PRODUCT

TB series - brackish water RO membrane element

Product features

It is applicable to the treatment of surface water, groundwater, tap water , standard drainage water,circulating water and other water sources with water TDS below 10000 ppm.

Stable performance, strong uniformity, high flow, high rejection, long service life.

It is widely used in municipal water supply, surface water reuse, boiler make-up water, chemical industry, papermarking, printing and dyeing and other fields.

RO element specification & performance

Model	Stable Rejection (%)	Min Rejection (%)	Permeate Flow GPD(m^3/d)	Effective Membrane Area ft^2(m^2)	Spacer Thickness (mil)	Replaceable products
TB-8040-400	99.7	99.5	10500(39.7)	400(37.2)	34	BW30-400/34
TB-8040-440	99.7	99.5	12000(45.4)	440(40.9)	28	BW30HR-440
TB-4040	99.7	99.5	2400(9.1)	85(7.9)	34	LP21-4040 LP100

Testing Conditions	Operating pressure	225psi(1.55MPa)
	Test solution temperature	25℃
	Test solution concentration (NaCl)	2000ppm
	PH value	7-8
	Recovery rate of single membrane element	15%
	Flow range of single membrane element	± 15%
Operating Conditions & Limitis	Maximum operating pressure	600psi(4.14MPa)
	Maximum temperature	45℃
	Maximum feedwater flow	Maximum feedwater flow: 8040-75gpm(17m^3/h) 4040-16gpm(3.6m^3/h)
	Maximum feedwater SDI15	5
	Maximum concentration of free chlorine	＜ 0.1ppm
	Allowed pH range for chemical cleaning	2-11
	Allowed pH range for feedwater in operation	1-13
	Maximum pressure drop per element	15psi(0.1MPa)

OUR PRODUCT

TBR series - Fouling Resistant RO membrane element

Product features

It is applicable to the desalination and advanced treatment of challenging water sources such as conventional water source, brackish water, standard discharge water, mine water and circulat ing water with water TDS below 10000

The fouling resistant membrane sheets produced by special process improve the roughness and electric charge of the membrane surface, and reduce the growing and adsorption of pollutants and microor ganisms on the membrane surface, giving better stability and longer service life.

It is widely used in reclaimed water reuse, surface water reuse, boiler make-up water, process production water, coal chemical industry, mine water, papermaking wastewater, printing and dyeing wastewater and other fields.

RO element specification & performance

Model	Stable Rejection (%)	Min Rejection (%)	Permeate Flow GPD(m^3/d)	Effective Membrane Area ft^2(m^2)	Spacer Thickness (mil)	Replaceable products
TBR-8040-400	99.7	99.5	10500(39.7)	400(37.2)	34	BW30FR-400/34
TBR-4040	99.7	99.5	2400(9.1)	85(7.9)	34	FR11-4040
Testing Conditions	Operating pressure		225psi(1.55MPa)			
	Test solution temperature		25℃			
	Test solution concentration (NaCl)		2000ppm			
	PH value		7-8			
	Recovery rate of single membrane element		15%			
	Flow range of single membrane element		± 15%			
Operating Conditions & Limitis	Maximum operating pressure		600psi(4.14MPa)			
	Maximum temperature		45℃			
	Maximum feedwater flow		Maximum feedwater flow: 8040-75gpm (17m^3/h) 4040-16gpm (3.6m^3/h)			
	Maximum feedwater SDI15		5			
	Maximum concentration of free chlorine		< 0.1ppm			
	Allowed pH range for chemical cleaning		2-11			
	Allowed pH range for feedwater in operation		1-13			
	Maximum pressure drop per element		15psi(0.1MPa)			

OUR PRODUCT

Sea Water Desalination RO Element

Product features

It is suitable for desalination and advanced treatment of seawater and high salinity brackish water. With ultra-high rejection rate, it can bring long- term optimal economy to the seawater desalination system.

34mil Feed channel spacer is adopted to reduce the pressure drop and enhances the anti pollution and anti cleaning ability of membrane element.

It is widely used in seawater, salt rejection of high concentration brackish water, boiler make-up water, paperma king, textile printing and dyeing, material concentration and other fields.

RO element specification & performance

Model	Stable Rejection (%)	Min Rejection (%)	Permeate Flow GPD(m^3 /d)	Effective Membrane Area ft^2(m^2)	Spacer Thickness (mil)	Replaceable products
TS3-8040-400	99.8	99.7	7500(28.4)	400(37.2)	34	SW30HRLE-400
TS2-8040-400	99.7	99.6	9000(34.0)	400(37.2)	34	SW30XLE-400
TS3-4040	99.8	99.7	1600(6.1)	85(7.9)	34	
TS2-4040	99.7	99.6	1900(7.2)	85(7.9)	34	
Testing Conditions	Operating pressure		800psi(5.52MPa)			
	Test solution temperature		25℃			
	Test solution concentration (NaCl)		32000ppm			
	PH value		7-8			
	Recovery rate of single membrane element		8%			
	Flow range of single membrane element		±15%			
Operating Conditions&Limitis	Maximum operating pressure		1200psi(8.28MPa)			
	Maximum temperature		45℃			
	Maximum feedwater flow		Maximum feedwater flow: 8040-75gpm(17m^3/h) 4040-16gpm(3.6m^3/h)			
	Maximum feedwater SDI15		5			
	Maximum concentration of free chlorine		＜0.1ppm			
	Allowed pH range for chemical cleaning		2-11			
	Allowed pH range for feedwater in operation		1-13			
	Maximum pressure drop per element		15psi(0.1MPa)			

OUR PRODUCT

TN series - nanofiltration membrane element

Product features

It is applicable to brine purification, heavy metal removal, desalination and concentration of materials, recovery of sodium chloride solution and removal of COD in sewage. With a molecualr weight cut-off of about 200 dalton, it has a high rejection rate for most divalent and multivalentions, and transmits monovalent salts at the same time.

34mil Feed channel spacer is adopted to reduce the pressure drop and enhances the anti-fouling and ease of ability of membrane element.

It is widely used in the fields of zero-liquid discharge of wastewater, chloralkali denitration, lithium extraction from Salt Lake, material decolorization, material separation and soon.

NF element specification & performance

Model	Stable Rejection (%)	Min Rejection (%)	Permeate Flow GPD(m^3/d)	Effective Membrane Area ft^2(m^2)	Spacer Thickness (mil)	Replaceable products
TN3-8040-400	98.0	97.5	9000(34.0)	400(37.2)	34	DK8040F30
TN2-8040-400	97.0	96.5	10500(39.7)	400(37.2)	34	DL8040F30
TN1-8040-400	97.0	96.5	12000(45.4)	400(37.2)	34	NF270-400/34i
TN3-4040	98.0	97.5	2000(7.5)	85(7.9)	34	DK4040F30
TN2-4040	97.0	96.5	2400(9.1)	85(7.9)	34	DL4040F30
TN1-4040	97.0	96.5	2700(10.2)	85(7.9)	34	NF270-4040
Testing Conditions	Operating pressure		100psi(0.69MPa)			
	Test solution temperature ($MgSO_4$)		25℃			
	Test solution concentration		2000ppm			
	PH value		7-8			
	Recovery rate of single membrane element		15%			
	Flow range of single membrane element		±15%			
Operating Conditions&Limitis	Maximum operating pressure		1200psi(8.28MPa)			
	Maximum temperature		45℃			
	Maximum feedwater flow		Maximum feedwater flow: 8040-75gpm(17m^3/h) 4040-16gpm(3.6m^3/h)			
	Maximum feedwater SDI15		5			
	Maximum concentration of free chlorine		＜0.1ppm			
	Allowed pH range for chemical cleaning		2-11			
	Allowed pH range for feedwater in operation		1-13			
	Maximum pressure drop per element		15psi(0.1MPa)			

03

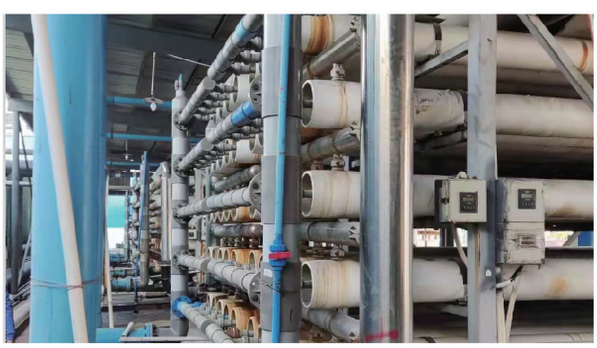
CASE STUDIES

CASE STUDIES

Power plant boiler water softening

Wastewater reuse of papermaking and pulping

Wastewater reuse in coal chemical plant



Reuse of printing and dyeing water

Wastewater reuse for coal mine well

Reuse of production wastewater in PCB Park

Process water for chlor alkali enterprises

Drinking water purification

OUR PROJECT

Solar Energy Industry

Production water project

Component Model	System Scale	Quantities	Installation Time
TB-8040-400	2-stage 8000 T/d	10 sets	2022

System	Arrangement/quantity
Primary RO system	4 sets, each of 19 pressure vessels (6 cores in), 114*4=456 elements
Secondary RO system	4 sets, each of 12 pressure vessels (6 cores in), 72*4=288 elements
Concentrated water recovery system	2 sets, 12 pressure vessels (6 cores in), 72*2=144 elements

Tap water → Self-cleaning filter → UF → Dosing Bactericide, reductant, scale inhibitor → Primary RO → Dosing PH regulation → Secondary RO

Printing and Dyeing Wastewater

Water Reuse Project

Component Model	System Scale	Quantities	Installation Time
TBR - 8040	50000 T/d	3 phases 14 sets in total	2019

System	Arrangement/quantity
1st phase	3 sets, each of 38 pressure vessels (6 cores in), 228*3=684 elements
2nd phase	8 sets, each of 24 pressure vessels (6 cores in), 144*8=1152 elements
3rd phase	3 sets, each of 28 pressure vessels (6 cores in), 168*3=504 elements

Waste water of all the factory → Biochemical reaction → Flocculating settling → Multi-media filter → Bag filter → RO/NF → Reuse/discharge

OUR PROJECT

Iron and Steel Industry

Water Reuse Project

Component Model	System Scale	Quantities	Installation Time
TBR - 8040	125 T/h	3 sets	2019
TBR - 8040	70 T/h	1 set	2019

System	Arrangement/quantity
Primary RO system	3 sets, each of 20 pressure vessels (6 cores in), 120*3=360 elements
Concentrated water RO system	1 set, 12 pressure vessels (6 cores in), 72*1=72 elements

Raw water → Clarification tank → V-type filter → Multi-media filter → UF → RO → Concentrated water recovery

Power Plant Boiler Water

Production water project

Component Model	System Scale	Quantities	Installation Time
TBR - 8040-400	158 T/h	3 sets	2021.10
TU3 - 8040-440	134 T/h	3 sets	2021.10

System	Arrangement/quantity
1st phase	3 sets, each of 32 pressure vessels (6 cores in), 192*3=576 elements
2nd phase	3 sets, each of 20 pressure vessels (6 cores in), 120*3=360 elements

Ground water → Raw water pump → Multi-media filter → Self-cleaning filter → UF → Primary RO → Secondary RO → EDI

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