Beijing Innogreen Technology Co.，Ltd

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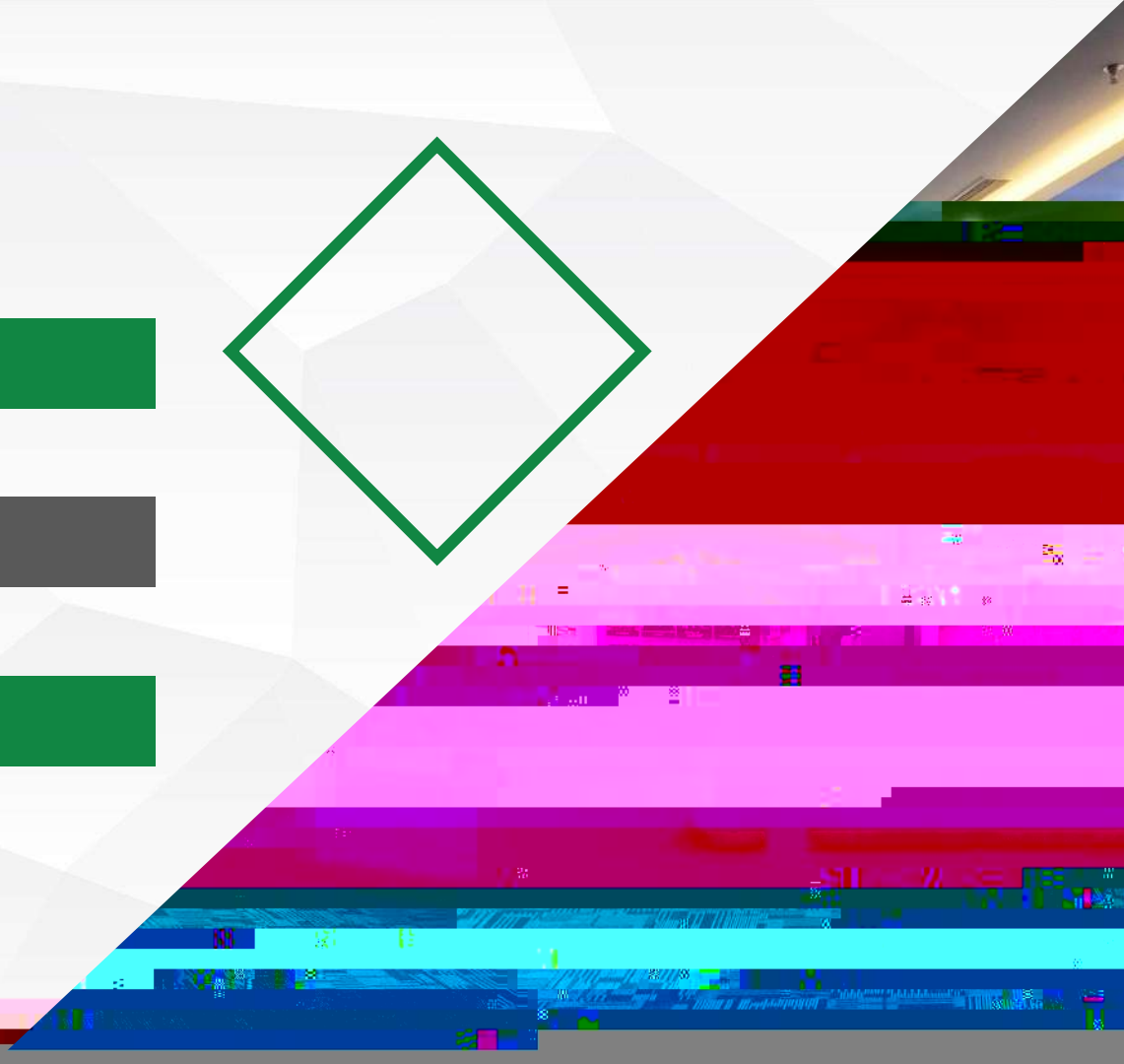
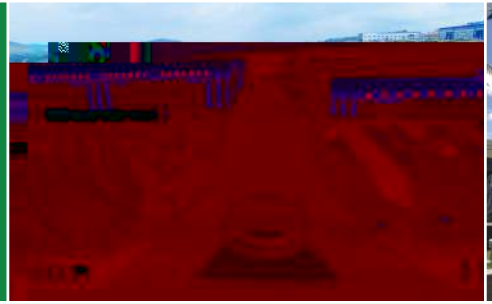


01

Company Profile



Beijing Innogreen Technology Co., Ltd., founded in Beijing 2004, is one of the best water treatment enterprises integrating R&D and manufacturing of membrane & products, EPC works, and professional operation & maintenance service.

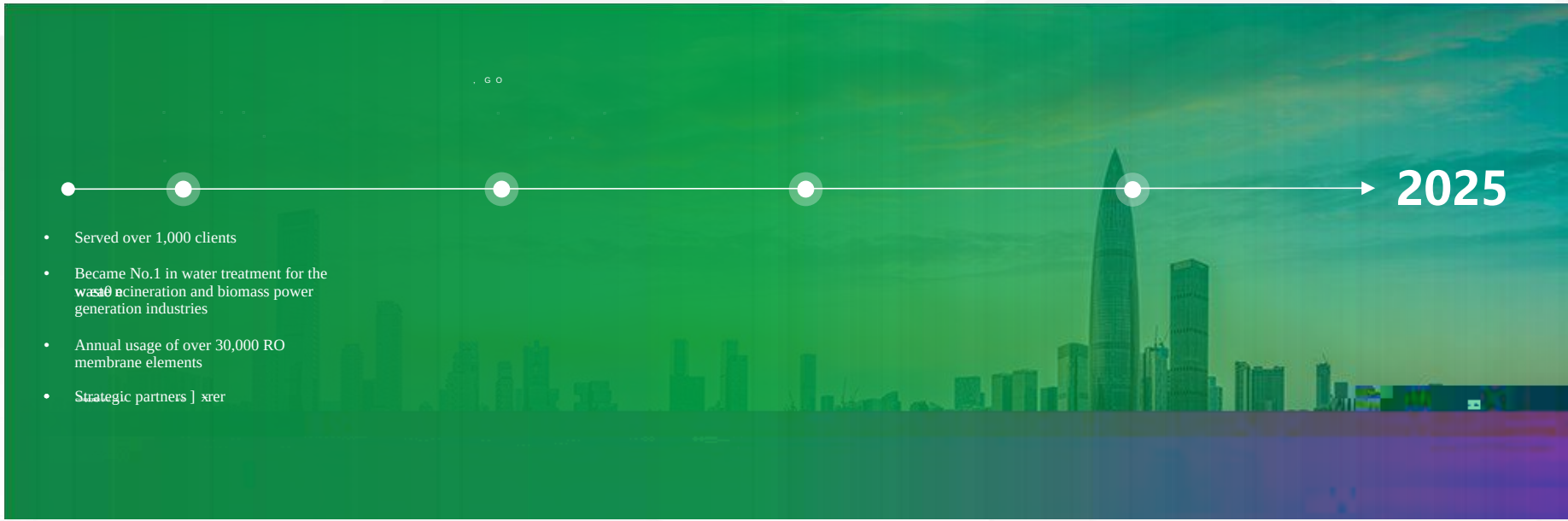
Company Profile

- Established in Zhongguancun, Beijing
- Completed construction of the first production workshop in Beijing

- Became the largest manufacturer of purified water equipment in northern China
- [illegible] supplier of purified water equipment for the Beijing Olympic logistical services
- One of the first companies to donate water purification equipment for the Wenchuan Earthquake relief
- Recognized as one of China's Top Ten Water Purifier Brands

- Established divisions for residential terminal purification, industrial ultrapure water, softened water, laboratory ultrapure water, and EDI systems
- Founded the Wastewater Division
- Received investment from Legend Capital and Legend Star
- Constructed China's second-largest nanofiltration system in Xilinhot

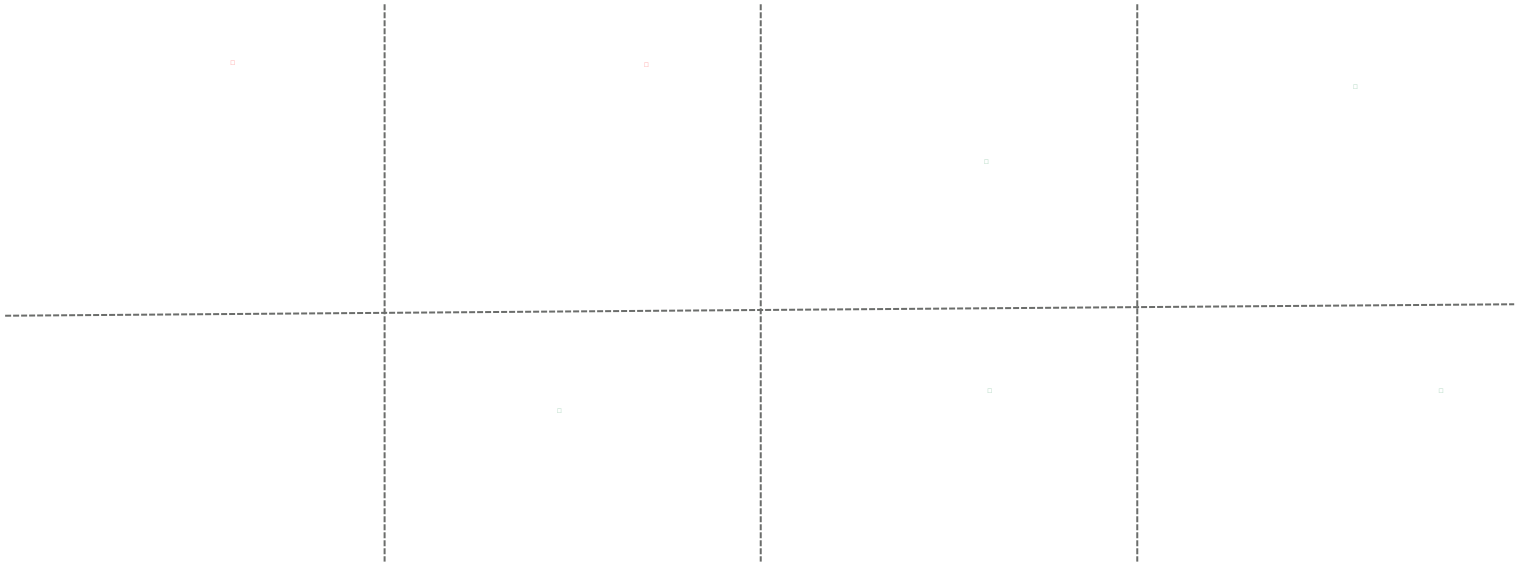
- Signed strategic agreement with listed company Kerong Environment
- Launched the first BOT project
- Implemented the first PPP operation project
- Constructed the Koubei Water Project



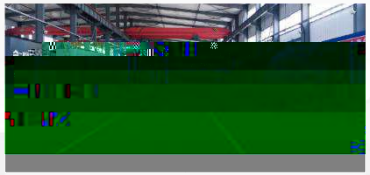
- Served over 1,000 clients
- Became No.1 in water treatment for the waste incineration and biomass power generation industries
- Annual usage of over 30,000 RO membrane elements
- Strategic partners

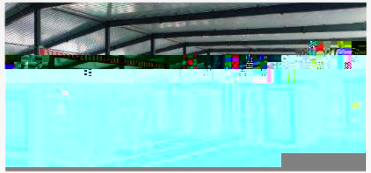
Patents,Qualifications

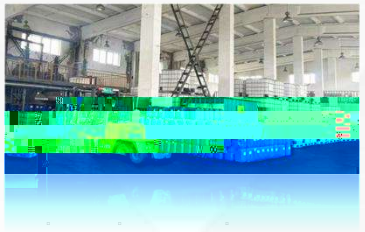
Sales Network



Workshop Equipment

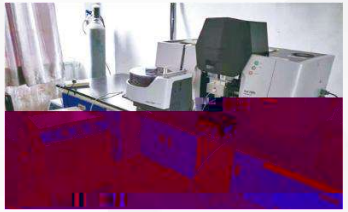






Industry-leading Water Quality Analysis Laboratory

Routine Ion Analysis



Metal Parameter Test

Microbiological Parameter Test

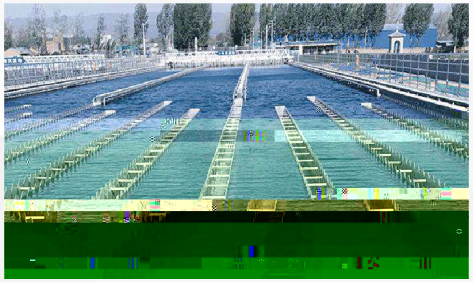
sampling test services

More than 80 sets of advanced testing equipment

More than 100 tests of various water quality and environmental indicators

02

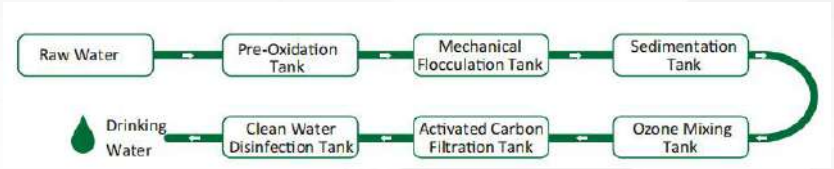
Municipal Waterworks



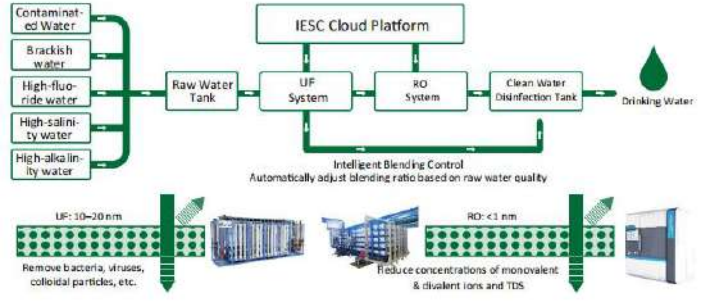
Municipal Waterworks

Purify water sources to produce drinking water that meets safety standards.

Technological Process



Water Purification Process for Water Sources Contaminated with Trace Organic Compounds



Dual-Membrane Process for Ion-Exceeding Raw Water in Drinking Waterworks

Municipal Waterworks

Typical Cases

Self-invested Flagship Project: the Taiji Water Purification Plant in Beipiao, Liaoning

Treatment capacity: 80,000 t/d

Woniushan Waterwork of Yantai Economic & Technological Development Zone Tap Water Co., Ltd.

Treatment capacity: 67,000 m³/d
Main process: UF + RO dual-membrane

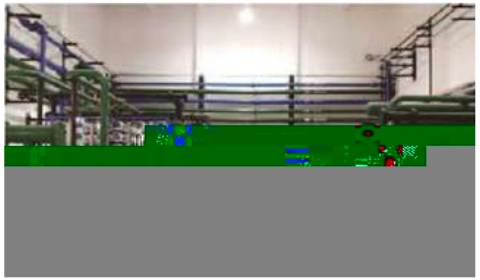
Process Upgrade and Renovation Project of Gan'nan Town Water Purification Plant in Gannan County

Treatment capacity: 30,000 t/d
Main process: UF + RO

Shanba Town Tap Waterwork in Inner Mongolia

Treatment capacity: 40,000 t/d
Main process: UF + RO

Power, Chemical & Metallurgical Industry



Industrial Application: Power, Chemical, Metallurgy, etc.

Treat raw water to meet industrial water standards, including water for power generation, chemical production, metallurgy, and other industries.

Treatment Processes	Application Scenarios	Product Water Quality Standards
Chemical dosing + sedimentation + filtration	Industrial water, circulating water, and cooling water in factory areas	Design Code for Industrial Circulating Cooling Water Treatment (GB 50050)
Mechanical filtration + RO	Process water and cleaning water for chemical production	Desalination rate ≥ 98%Iron content ≤ 0.05 mg/L
Mechanical filtration + RO + softening	Medium and low pressure boiler feedwater	Industrial Boiler Water Quality Standard (GB/T 1576)
Mechanical filtration + cation exchanger + anion exchanger + mixed bed	Thermal power plant boiler water, high pressure boiler water	Water and Steam Quality for Thermal Power Units and Steam Power Equipment (GB/T 12145)
UF + two-stage RO + EDI	General boiler water	Water and Steam Quality for Thermal Power Units and Steam Power Equipment (GB/T 12145)

Power, Chemical & Metallurgical Industry

Typical Cases

Rongcheng Natural Gas Cogeneration Project

Boiler 3ô ioioioi ɔ̇oi * *ɔ̇ʊ

Boiler Feedwater Treatment System Project of Thermal Power Plant for Yihai Jiali (Fuyu) Energy Co., Ltd.

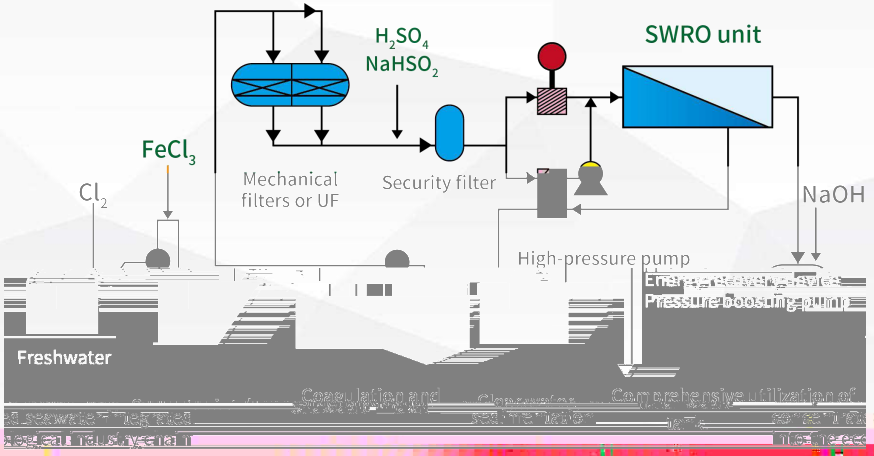
Treatment capacity: 2×200 m³/h
Process: UF + Primary RO + Secondary RO + EDI

Seawater Desalination

Seawater Desalination

Remove salt and impurities from seawater to produce fresh water suitable for drinking or other uses.

Technological Process



Seawater Desalination

Typical Cases

Peru Seawater

Mozambique Seawater

Capac 1,000 t/d
Proces Water Intake em +
Oil Re val + Filtratio
Seawa RO Membrane tem

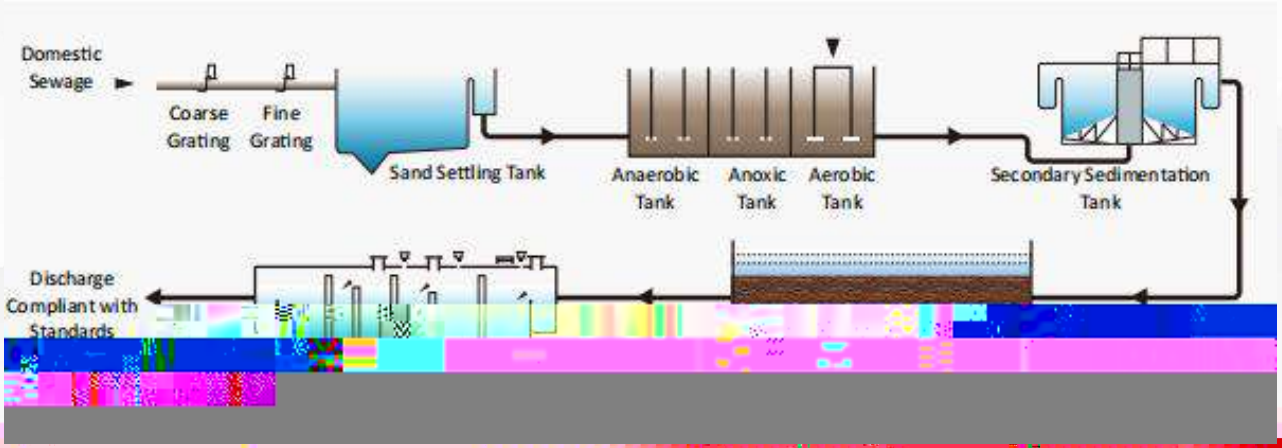
ity: 0 t/d
ess: RO

Municipal Sewage Treatment

Municipal Sewage Treatment Plant

Purify urban wastewater to meet discharge or reuse standards.

Technological Process



Municipal Sewage Treatment

Typical Cases

Domestic Sewage Treatment Project for the Supporting Living Service Center of Beijing Tongzhou New Government Complex

Capacity: 300m

Town-level Sewage Treatment Plant Construction Project in Shenzhou, Hengshui

Capacity: 300-700-1000-1200m³/d
Process: A²O + MBR

Small and Medium-sized Wastewater Treatment Plant / Integrated Equipment

Integrated wastewater treatment equipment for small and medium-sized plants/process small-scale or decentralized wastewater to meet discharge or reuse standards.

Technological Process

Typical Cases

Sewage Treatment in Yabuli, Heilongjiang

Sewage Treatment for Xiong'an Project

1000 t/d Domestic Sewage Tr M

Enterprise Water Treatment Operation & Maintenance Service Butler

3 types of operation & maintenance expert

Water treatment butler

Water Treatment “Butler + Doctor”Service

Butler Service

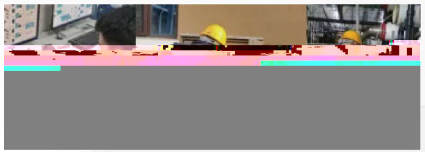
Full-trust operation

Turnkey chemical supply operation

Professional operator dispatch operation

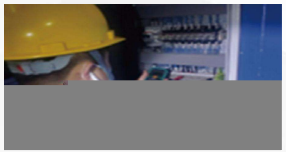
Doctor Service

Early warning and precise diagnosis of online & on site issues



600+ items of online and on-site inspections across 12 major categories

Sysm S e r v i c v i r a s m i s



Water Treatment “Butler + Doctor”Service

Replace or guide users in undertaking
all daily operation tasks of water treatment equipment

Online/offline cleaning services

Aceclean UF & RO/NF Membrane

>> Aceclean UF membrane <<

Main Types

Module		D	L	L1	L2	L3	w1	w2
ACE-160L-03	SI (mm)	Φ 160	1860	1500	1630	1820	180	345
ACE-225L-03	SI (mm)	Φ 225	2360	2000	2130	2320	180	345

Comparison of Parameters

Brand	Type	Filtraton way	effective membrane area m2	Membrane module capacity (L)	Permeate flux (25° C)	Flow rate range	Permeate turbidity
Aceclean	ACE-225L-03	external pressure	77	39	40 - 110 l/m² /hr	3.2 - 8.5 m³/hr	≤ 0.1 NTU
Dupont	SFP-2880	external pressure	77	39	40 - 90 l/m² /hr	3.1-6.9 m3/hr	≤ 0.1 NTU
Toray	HFU-2020AN	external pressure	72	43	40 - 187.5 l/m² /hr	3.2-13.5m³/hr	≤ 0.1 NTU
Toray	HFUG-2020AN	external pressure	90	53	40 - 166 l/m² /hr	3.2-15m³/hr	≤ 0.1 NTU
Asahi Kasei	UNS-620A	external pressure	50	23	40 - 160 l/m² /hr	3.2 - 8.5 m³/hr	≤ 0.1 NTU

>> Aceclean RO/NF Membrane <<

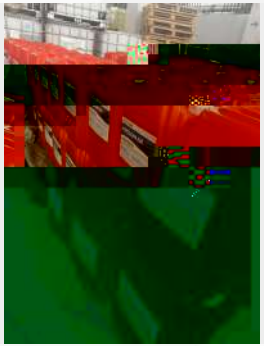
Main Types

Function	Type	Stable salt rejection rate	average permeate flow rate GPD(m3/d	Effective membrane area Ft2(m2)
high-rejection brackish water membrane element	ALR-100	0.997	10500(39.7)	400(37.2)
anti-fouling membrane element	ACR-100	0.997	10500(39.7)	400(37.2)
seawater desalination membrane element	ASW-100	0.998	7000(26.5)	400(37.2)
NF membrane element	ANF-8040-34	≥97.0%	10000 (37.9)	400(37.2)

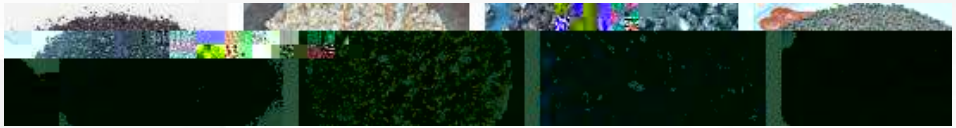
Comparison of Parameters

Brand	Type	Permeate flow rate(gpd)	Stable salt rejection rate(%)	Effective membrane area (ft2)	Flow channel width(mil)
Aceclean	ALR-100 brackish water	10500	99.7	400	28
Dupont	BW30PRO-400IG	10500	99.5	400	28
Toray	TM720D-400	11000	99.8	400	34
Hydranautics	CPA3-LD	11000	99.7	400	31
Veolia	AG8040F-400	11000	99.5	400	28
Aceclean	ACR-100 anti-fouling	10500	99.7	400	34
Dupont	BW30FR-400/34	11000	99.5	400	34
Toray	TML20D-400	10500	99.8	400	34
Hydranautics	PROC10	10500	99.75	400	34
Veolia	AG8040F-400 FR,34	11000	99.5	400	34

Water Treatment Agent & Specific Consumables



- RO-specific scale inhibitor Aceclean-220
- RO-specific cleaning agent (acid) Aceclean-430
- RO-specific cleaning agent (alkali) Aceclean-440
- RO-specific non-oxidizing biocide Aceclean-781
- RO-specific reducing agent Aceclean-400
- Circulating water-specific corrosion and scale inhibitor Aceclean-415
- Circulating water-specific slime dispersant Aceclean-560



Major Equipment Products

Disc Filter

Electrical Automc

03

Strategic Partners

Service creates value, cooperation wins trust

Learning / Responsibility / Innovation

COMPLETE: Full process of water treatment

SCALE: Smart of water treatment

THANKS