



LOOKING FOR GLOBAL WIN-WIN PARTNERS

MADE IN GREENWORLD • MAKE A GREEN WORLD

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GREEN WORLD



GreenWorld

ONE-STOP SERVICES

FOCUS ON WATER TREATMENT



CONTENTS

01

ABOUT US

- 02 ENTERPRISE OVERVIEW
- 03 QUALIFICATIONS HONORS
- 05 TEAMS&PARTNERS
- 06 SUPPLIERS
- 07 APPLICATION AREA
- 08 SERVICE PROCESS

09

REVERSE OSMOSIS SYSTEM

- 11 PRIMARY RO EQUIPMENT
- 12 TWO STAGE RO EQUIPMENT
- 13 RO WATER PURIFICATION BOX TYPE MACHINE
- 15 REVERSE OSMOSIS MEMBRANE ASSEMBLY
- 17 BRACKISH WATER SYSTEM
- 19 SEAWATER DESALINATION SYSTEM
- 21 NANOFILTRATION SYSTEM

25

ULTRAFILTRATION SYSTEM

- 27 HOLLOW FIBER UF MEMBRANE EQUIPMENT
- 29 MBR SYSTEM
- 31 ULTRAFILTRATION SYSTEM PROJECTS

33

ION EXCHANGER SYSTEM

- 35 WATER SOFTENER EQUIPMENT
- 37 EDI ULTRA PURE WATER SYSTEM
- 39 EDI ULTRA PURE WATER PROJECTS

41

PRE-TREATMENT SYSTEM

- 42 MULTI-MEDIA FILTER
- 42 ACTIVATED CARBON FILTER
- 42 IRON&MANGANESE REMOVAL FILTER
- 42 FLUORIDE REMOVAL FILTER
- 43 LAMINATED FILTER
- 43 SELF-CLEANING FILTER
- 44 BAG FILTER
- 44 SECURITY FILTER

45

WATER SUPPLY SYSTEM

- 46 FREQUENCY CONVERSION WATER SUPPLY EQUIPMENT
- 46 STAINLESS STEEL WATER TANK
- 47 PACKING & FILLING EQUIPMENT

49

ACCESSORIES

- 51 PROJECT CASE
- CONTACT US
- FOLLOW US

-PROFESSIONAL WATER TREATMENT SUPPLIER
-CUSTOMIZED WATER TREATMENT SOLUTION
-ADVANCED WATER TREATMENT SYSTEMS

COMPANY PROFILE

8000+

Company covers area
about 8000 m²

2000+

Help more than 2,000 enterprises to
solve the problem of water treatment

50+

Team has more than 50
professional engineers

20+

With more than 20 countries
customer to establish long-term
good relationship

■ ENTERPRISE OVERVIEW

Greenworld is located in Guangzhou, China, which is an integrated modern enterprise focusing on technology research and development, equipment production and engineering construction management of water treatment equipment. We have a strong technical team with more than 50 engineers serving domestic and foreign customers from process design, sales, production, installation and after-sales.

Greenworld has cooperated with many well-known international water companies, has nearly 15 years of engineering experience in water treatment projects, and has established research and development centers in domestic and foreign university laboratories. As a manufacturer and supplier in the water treatment equipment industry, Greenworld has provided a variety of comprehensive water treatment solutions for countless industries, and is deeply trusted by customers from Europe, America and other countries.

Greenworld products mainly include: pure water treatment equipment, such as reverse osmosis, ultrafiltration, seawater desalination, EDI systems, etc.; water reuse equipment; sewage treatment equipment, such as domestic sewage, food processing sewage, industrial sewage, etc.; water treatment equipment accessories and consumables. The products have passed ISO, CE and other certifications, and so far have owned 2 trademarks, 3 software works, and more than 20 patents.

QUALIFICATIONS HONORS



INTEGRITY MANAGEMENT EXCELLENT QUALITY

15+ years focus on water treatment

Fully understand every customer's requirement

Provided high quality water treatment equipment and system solutions for customers at home and abroad



15+ years water treatment experience

>Greenworld has been committed to the industry's technology research and development, equipment production and engineering construction management.

>Including water purification and wastewater equipment and engineering projects, adhere to the business philosophy of high quality and good service, fully meet customer needs, provide customers with advanced equipment, fundamentally solve customer problems, and create the greatest value for customers.



Leading technology, continuous research and development.



Our team is professional and experienced.



Various models and specifications of water treatment equipment are available.



Support OEM/ODM, customizable.



Products conform to international standards and norms, with CE/ISO certification.



Provide stable and high quality raw materials and equipment accessories.



Owning a global sales and service network.



Has been highly praised by many customers and partners.



Establish long-term and stable cooperation with customers.

TEAMS&PARTNERS

TEAMS

RESPONSIBILITY, PATIENCE,
UNITY AND FRIENDSHIP



STABLE COOPERATIVE SUPPLIERS

SUEZ IS OUR
STABLE PARTNER.



REGULAR TRAINING

CONTINUOUSLY LEARN
AND IMPROVE



TECHNICAL&PRODUCTION ENGINEER TEAM

PROFESSIONAL, EFFICIENT
AND EXPERIENCED

INSTALLATION ENGINEER TEAM

PROFESSIONAL, FAST,
FLEXIBLE AND RESPONSIVE



SALES ENGINEER TEAM

SERIOUSLY RECEIVE
EVERY CUSTOMER



SUPPLIERS

TORAY
Innovation by Chemistry

Danfoss

ABB

SIEMENS

VONTRON
时代沃顿

Wave Cyber
唯赛勃

Pentair Water 滨特尔

GE Healthcare

Shlinorde
Electric

HYDRANAUTICS
www.membranes.com
A Nitto Denko Company

wilo

MILTON ROY

WELCOME TO
GRUNDFOS

CNP 南方泵业

CSM

suez

MITSUBISHI

IWAKI PUMPS

DOW

Purolite

LONG-TERM FRIENDLY COOPERATION
HIGH QUALITY SUPPLY GUARANTEE

APPLICATION FIELD



Beverage industry water

Production of pure drinking water and mineral water, pure water for food and beverage production, water for blending low-alcohol wine, filtration of pure draft beer, etc.



Chemical Industry Water

Pure water is used for textile printing and dyeing, papermaking water, chemical reagent production, skin care products, shampoo, hair dye production, laboratories, etc.



Public Water Treatment Systems

Daily water treatment in schools, communities, hotels, real estate properties, swimming pool filtration and disinfection, aquaculture water, irrigation, brackish water desalination system, domestic sewage treatment and reuse, product cleaning water recycling, etc.



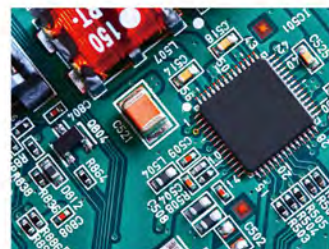
Industrial product coating water

High-purity water for surface coating, cleaning, coated glass and battery water of automobiles, household appliances, and building materials, etc.



Water for medical and pharmaceutical industries

Water for medical infusions, injections, pharmaceuticals, biochemical products Medical sterile water, water for artificial kidney analysis and water for hemodialysis, health care products, oral liquid production, biological preparations, enzyme extraction, protein separation, etc.



Power Industry Water

Power plants, high and low pressure boilers in factories, air conditioners, cold storage and other circulating water. Production of microelectronics, production of semiconductors and picture tubes, water for integrated circuits such as computer circuit boards, water for solar cells and dry batteries.

SERVICE PROCESS



REVERSE OSMOSIS SYSTEM

Reverse osmosis equipment is an efficient and advanced water treatment technology. Through the principle of semi-permeable membrane filtration, the equipment can effectively remove soluble ions, microorganisms, organic matter and other impurities in water, so that the water quality can be significantly improved. In addition, reverse osmosis equipment also has the advantages of low energy consumption, water saving, easy operation, and low maintenance cost.

Our water treatment reverse osmosis equipment adopts advanced technology and technology, which can minimize waste water discharge and energy consumption while ensuring high water quality. The device is suitable for different water sources, including underground water, municipal water, river water and sea water, etc. We provide various specifications and models of water treatment reverse osmosis equipment to meet the needs and application scenarios of different customers.

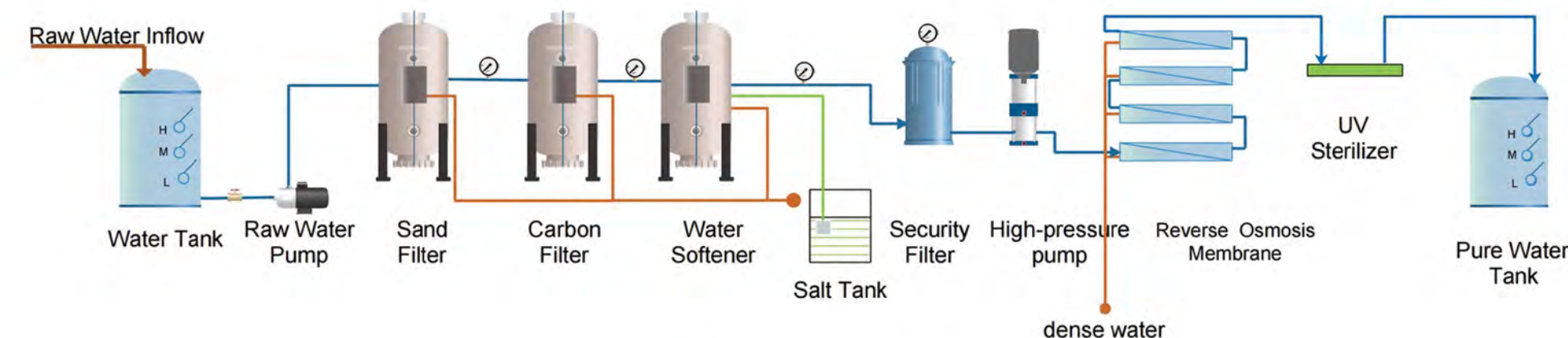
The stable desalination rate of the system is 96-99%, and product water quality is high

High degree of automation, low pressure water shortage automatic protection

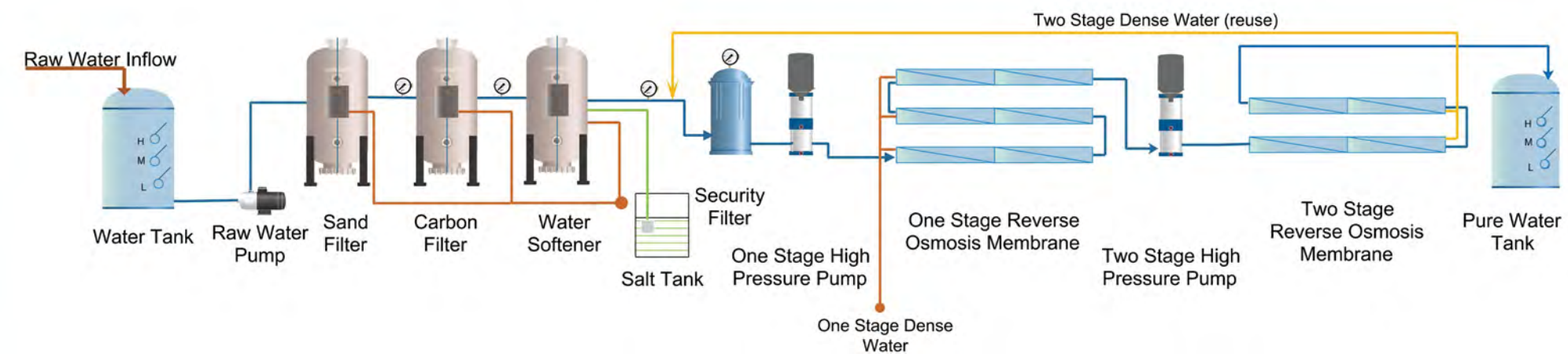
Continuous water production, easy to operate

Low energy consumption, flexible system design, online monitoring of water quality

Reverse Osmosis Process Flow:



GW Reverse Osmosis System



GW Two-Stage Reverse Osmosis System

■ REVERSE OSMOSIS SYSTEM



1000LPH Auto RO Equipment



500LPH Auto RO Equipment



1500LPH RO Equipment



1000LPH RO Equipment

Technical parameters

MODEL	PRODUCTIVITY	RECOVERY RATE	POWER
RO250L	0.25TPH	50%	1.5KW
RO500L	0.5TPH	50%	1.5KW
RO1T	1TPH	50%	2.2KW
RO2T	2TPH	50%	3.0KW
RO3T	3TPH	50-60%	4.0KW
RO4T	4TPH	50-60%	5.5KW
RO5T	5TPH	50-70%	7.0KW
RO10T	10TPH	60-75%	15KW
RO20T	20TPH	60-75%	30KW
RO30T	30TPH	70-75%	40KW
RO50T	50TPH	70-75%	70KW
RO100T	100TPH	70-75%	115KW
RO200T	200TPH	70-75%	230KW

Remarks:

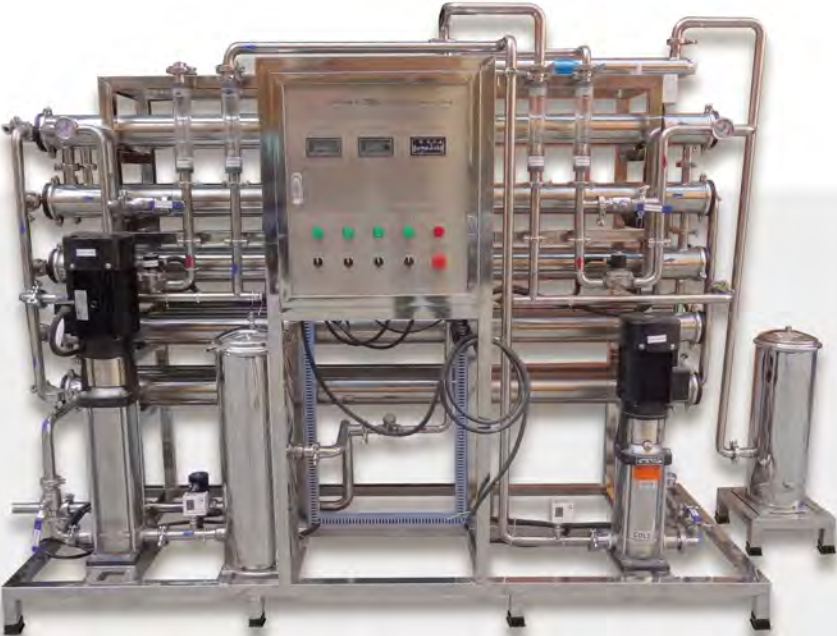
1. Applicable to TDS≤1000ppm tap water, well water, ground water, surface water, etc.
2. The single-stage reverse osmosis desalination rate is 97% (25°C).
3. Support more model customization.

■ TWO-STAGE REVERSE OSMOSIS

Two-stage reverse osmosis equipment is composed of two sets of reverse osmosis systems.

The primary reverse osmosis effluent is used as the raw water, and the second reverse osmosis purification is performed to further purify the water quality and produce higher quality pure water.

The conductivity of conventional two-stage reverse osmosis produced water can be ≤2 μs/cm.



2000LPH Two-stage RO Equipment



500LPH Two-stage RO Equipment

MODEL	PRODUCTIVITY	RECOVERY RATE	POWER
ROII250L	0.25TPH	50-60%	2.5KW
ROII500L	0.5TPH	60-70%	3.0KW
ROII1T	1TPH	70-75%	4.0KW
ROII2T	2TPH	70-75%	6.0KW
ROII3T	3TPH	70-80%	10KW
ROII4T	4TPH	70-80%	13KW

Remarks:

1. High-quality tap water is used as the water source, and the conductivity of the secondary reverse osmosis product water is ≤2μs/cm.
2. The desalination rate of the two-stage reverse osmosis is 97% (25°C).
3. Support equipment customization for different water quality output.

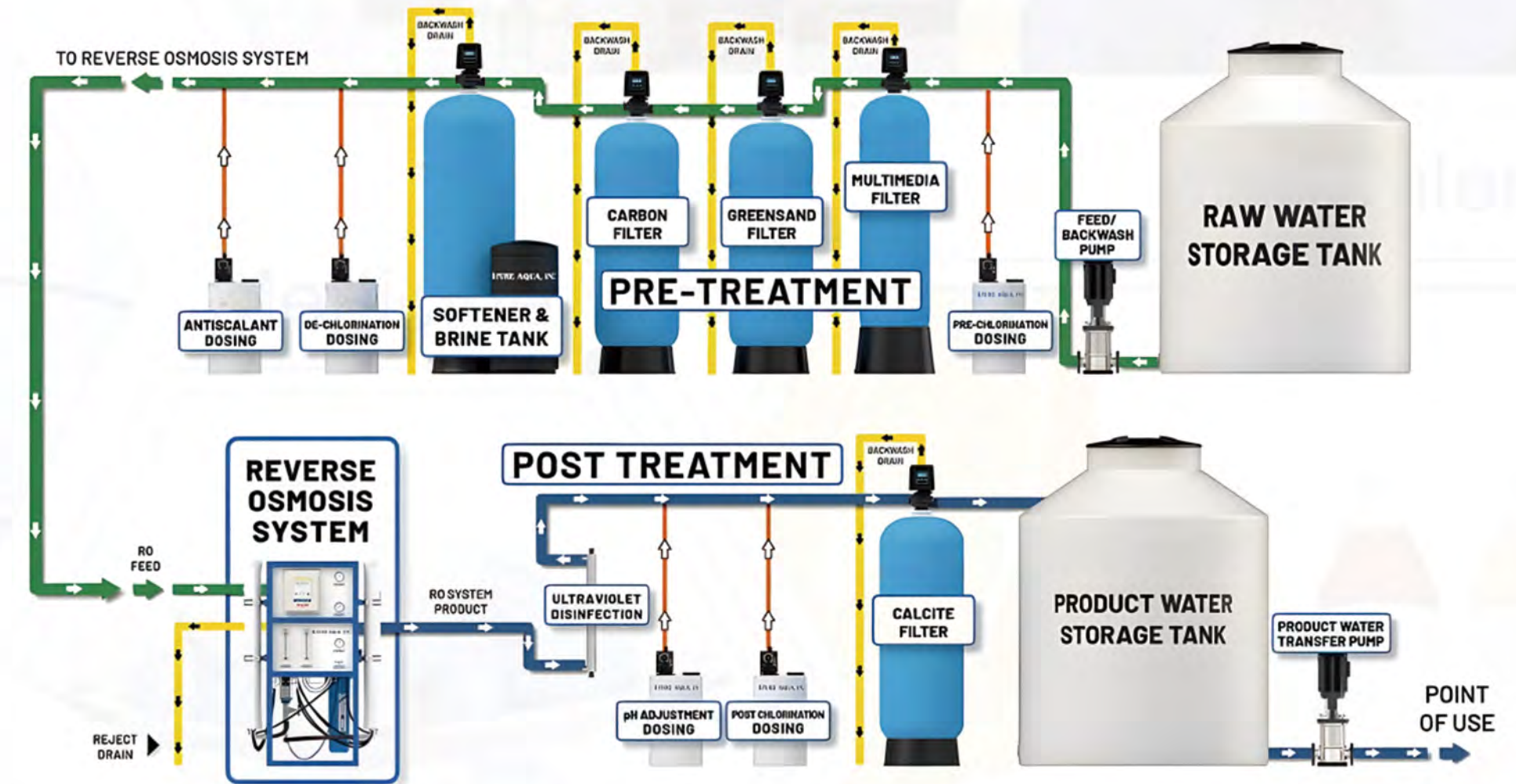
Box Type Portable RO Cabinet Water Purifier Machine Muted Mobile Equipment

Box-type RO water purification equipment, that is, box-type reverse osmosis (RO) water purification equipment, is a water purification device that integrates pretreatment, reverse osmosis membrane filtration, and post-treatment.

Using advanced reverse osmosis technology, it can effectively remove impurities such as dissolved solids, bacteria, viruses, heavy metals, organic matter, etc. in water, providing high-quality and safe drinking water.



Reverse osmosis membrane module workflow



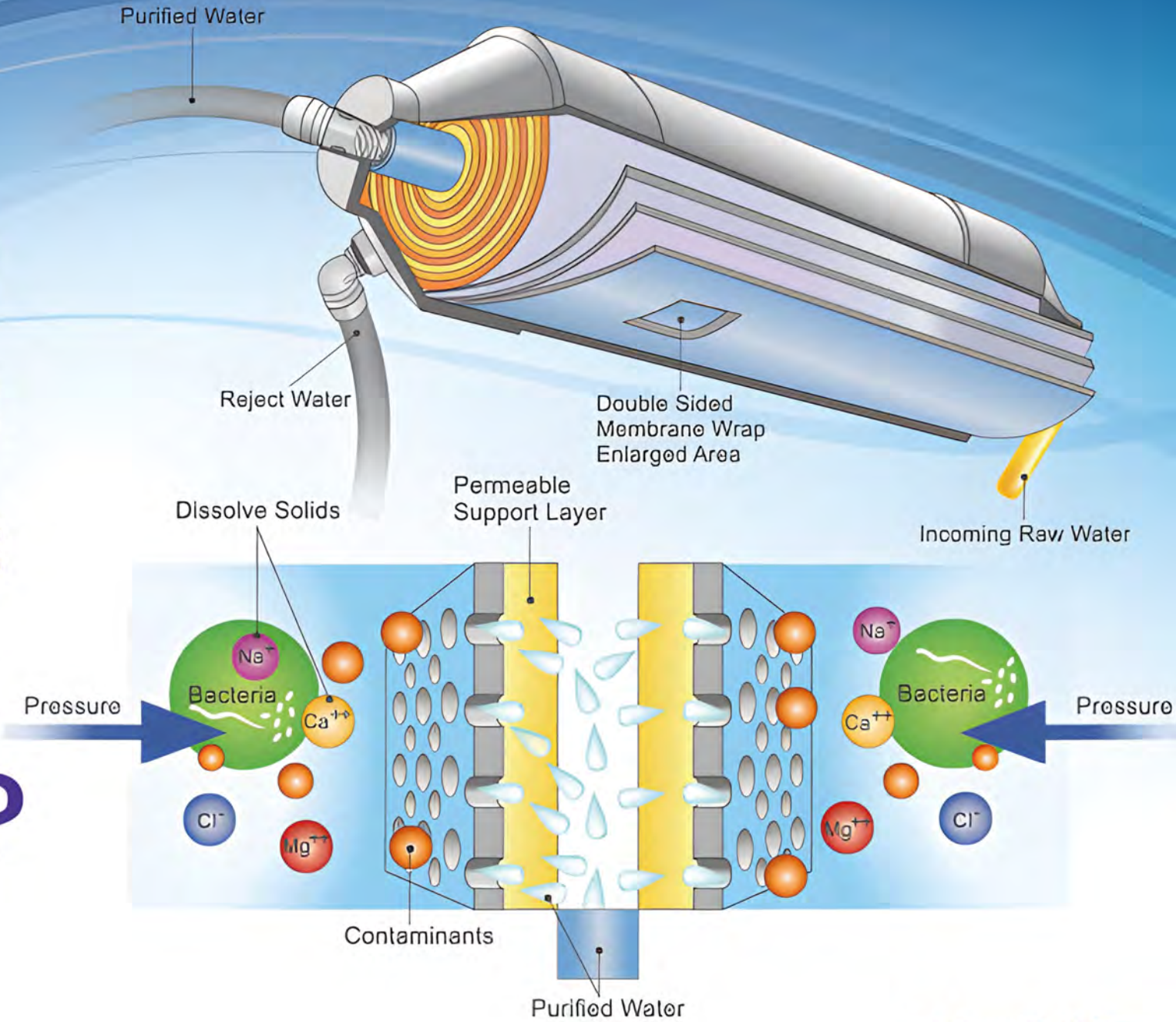
Reverse osmosis membrane assembly

This is the core part of the box-type RO water purification equipment, usually using a roll reverse osmosis membrane or a disc reverse osmosis membrane. The reverse osmosis membrane can selectively allow water molecules to pass through, while preventing most soluble solids, bacteria, viruses and other impurities from passing through, thereby achieving deep purification of water quality.

SPECIFICATION

Small box RO all-in-one machine	Specification	volume	weight	Power
	250L/PH	1550*670*670	220kg	1. 5kw
	500L/PH	1550*920*870	250kg	1. 9kw
	750L/PH	1670*970*870	280kg	2. 8kw
	1000L/PH	1670*970*870	300kg	2. 8kw

What is Reverse Osmosis and its Process?

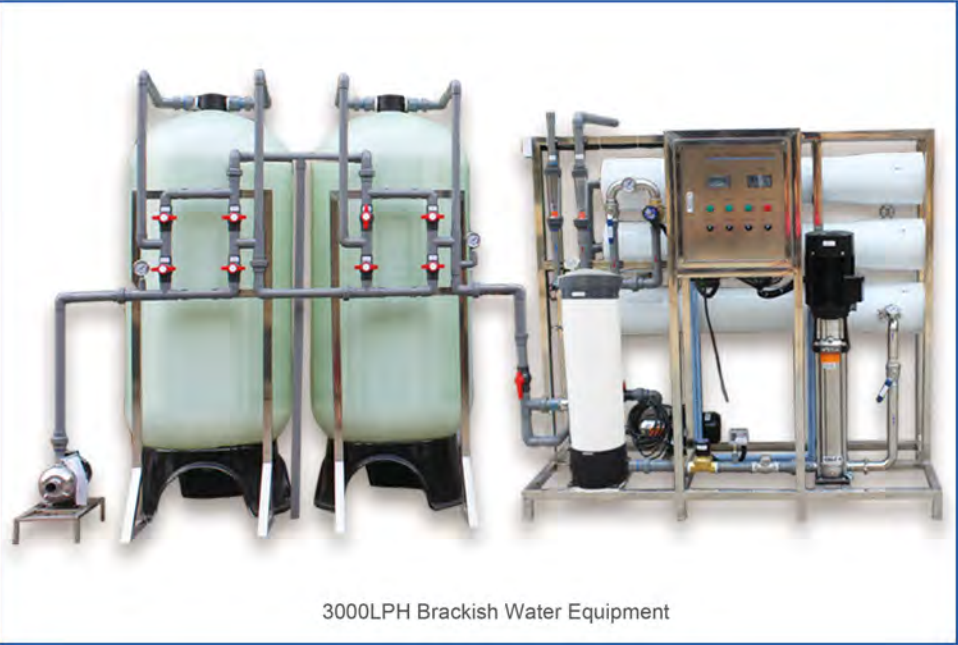


■ BRACKISH WATER EQUIPMENT

Brackish water refers to water whose alkalinity is greater than hardness, contains a large amount of neutral salts, and has a pH of more than 7.

According to WHO standard, drinking water TDS (total dissolved solids) should be less than 1,000mg/l. So if surface water and underground water TDS is higher than 1,000mg/l, and below 15,000mg/h, we call it brackish water.

Brackish water is commonly found in groundwater, or contaminated surface water that can be treated for drinking, irrigation, etc



3000LPH Brackish Water Equipment



8000LPH Brackish Water Equipment

DIFFERENT WATER TDS COMPARE

RAW WATER	TDS RANGE PPM	DRINKING	PRODUCTION WATER	DOMESTIC WATER
BOTTLE WATER BAG WATER	2-10	Y	Y	Y
CITY WATER	100-1000	N	Y	Y
BRACKISH WATER	1000-15000	N	N	N
SEA WATER	15000-40000	N	N	N

-Production water: irrigation, breeding, animal drinking, ice making, swimming pool, industrial production, etc.

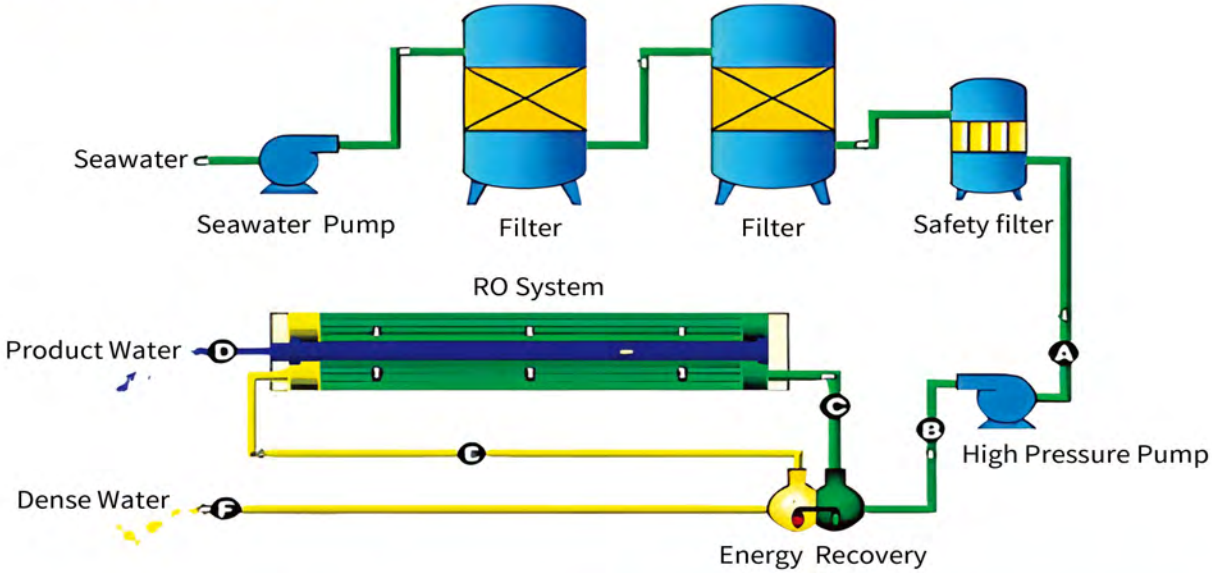
-Domestic water: refers to daily water for cooking, washing dishes, washing clothes, bathing, etc.



MODEL	PRODUCTIVITY	RECOVERY RATE	POWER
BWRO250L	0.25TPH	50%	2.0KW
BWRO500L	0.5TPH	50%	3.0KW
BWRO1T	1TPH	50%	3.0KW
BWRO2T	2TPH	50%	5.0KW
BWRO3T	3TPH	50-60%	5.0KW
BWRO4T	4TPH	50-60%	9.0KW
BWRO5T	5TPH	50-70%	9.0KW
BWRO10T	10TPH	60-75%	15KW
BWRO20T	20TPH	60-75%	30KW
BWRO30T	30TPH	70-75%	40KW
BWRO50T	50TPH	70-75%	70KW
BWRO100T	100TPH	70-75%	160KW

More models can be customized.

Seawater desalination process:



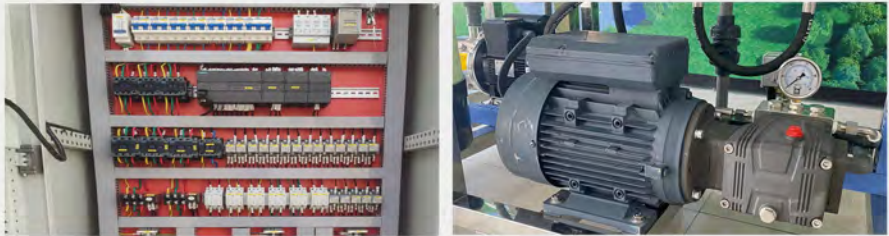
200LPH Desalination Equipment

MODEL	PRODUCTIVITY	RECOVERY RATE	POWER
SWRO50L	50LPH	10%	2.0KW
SWRO100L	100LPH	15%	3.0KW
SWRO200L	200LPH	15%	3.0KW
SWRO500L	500LPH	20%	7.0KW
SWRO1T	1TPH	30%	9.0KW
SWRO5T	5TPH	30%	35KW
SWRO10T	10TPH	50%	40KW

Applications:

- Domestic drinking water
- Agricultural water
- Water use on islands
- Water use on board

SEAWATER DESALINATION EQUIPMENT



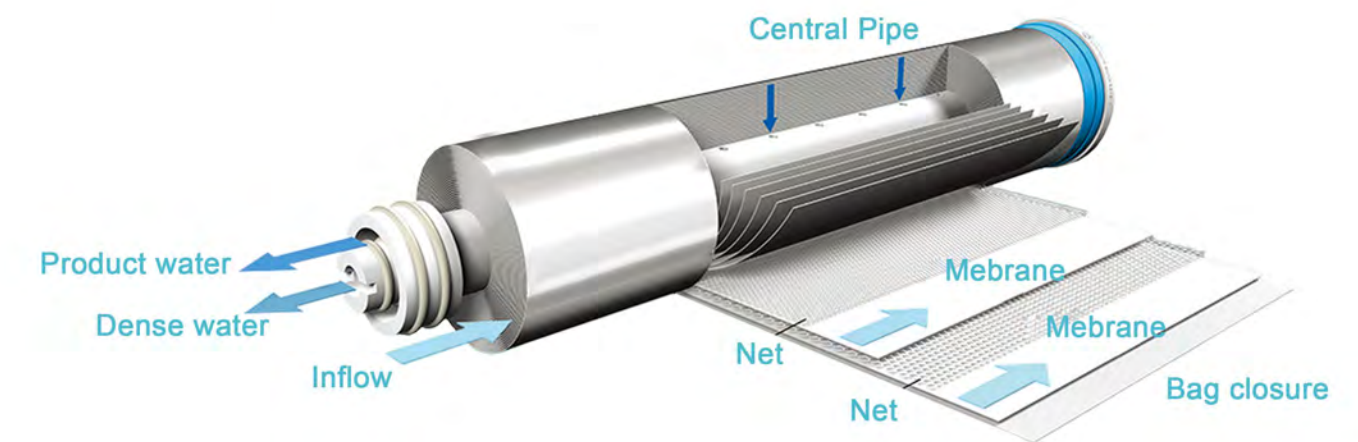


NANOFILTRATION SYSTEM

Nanofiltration is a pressure-driven membrane separation technology between reverse osmosis and ultrafiltration. The pore size of the nanofiltration membrane is between 1 and 100 nanometers. The technical principle is similar to mechanical sieving, and molecular-level substances are screened according to the size of the micropores. It is a derivative product of reverse osmosis membrane, also known as loose reverse osmosis membrane, but the operating pressure is lower than that of reverse osmosis. It has a high removal rate for divalent or multivalent ions and organic substances with a molecular weight between 200 and 500 in the liquid.

It is mainly used to remove hardness components such as Ca and Mg ions, trihalomethane intermediates, odor, color, pesticides, synthetic detergents, soluble organic matter, and evaporation residues in drinking water, as well as substances with a relative molecular mass of 100. Separation, fractionation and concentration (such as fractionation and concentration of chemical and bioengineering products such as dyes, antibiotics, polypeptides, polysaccharides), decolorization and deodorization, etc.

- ◆ Low Operating Pressure
- ◆ Low Energy Consumption
- ◆ Keep Low Valence Minerals





—Washing Plant 30m³/h RO System—



Chemical Production
10m³/h Two-stage RO System

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RO/NF
BWRO
SWRO



—Soft Drinks Plant 30m³/h Brackish Water System—



Integrated Circuit Board Production
50m³/h RO+EDI System



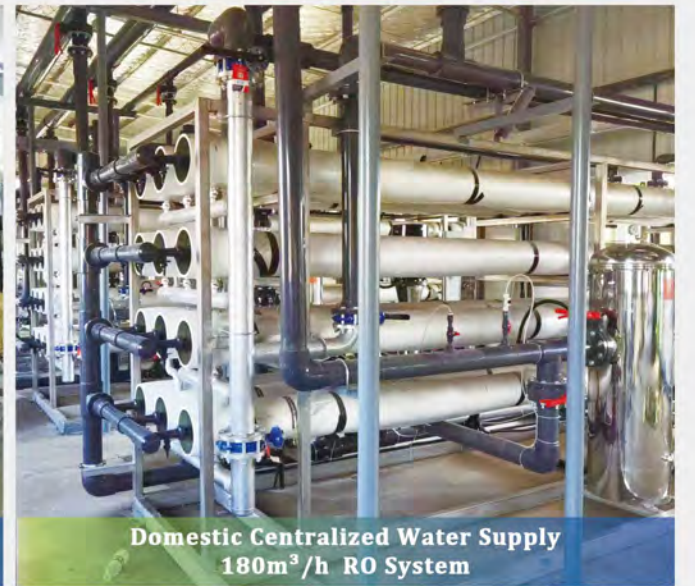
Cosmetics Production
1m³/h Two-stage RO System



Boiler Feed Water
250m³/h RO System



Chemical Production
20m³/h Two-stage RO System

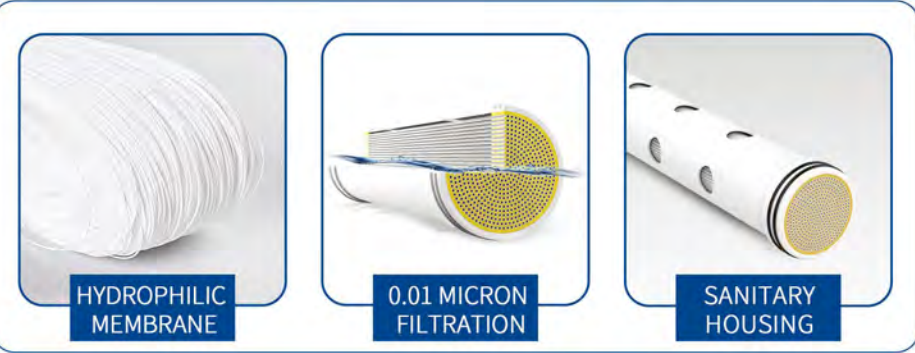


Domestic Centralized Water Supply
180m³/h RO System

HOLLOW FIBER UF MEMBRANE EQUIPMENT

The main material of the hollow fiber ultrafiltration membrane is polyethylene (PVC), polyvinylidene fluoride (PVDF), polyether-sulfone (PES), etc. It has excellent acid and alkali resistance, good hydrophilicity, and is composed of a dense separation layer and Porous sponge-like support layer.

- Inlet Water Quality:
- ① SS ≤ 20mg/l
 - ② TURBIDITY ≤ 30NTU
 - ③ OIL&GREASE ≤ 2mg/l
 - ④ TOTAL IRON ≤ 1mg/l
 - ⑤ COD ≤ 500mg/l
 - ⑥ CONTINUOUS RESIDUAL CHLORINE ≤ 5ppm



MODEL	PRODUCTIVITY	RECOVERY RATE	POWER
UF500L	0.5TPH	90-95%	0.8KW
UF1T	1TPH	90-95%	1.1KW
UF2T	2TPH	90-95%	1.5KW
UF5T	5TPH	90-95%	3.0KW
UF10T	10TPH	90-95%	4.5KW
UF20T	20TPH	90-95%	8.5KW
UF30T	30TPH	93-96%	13KW
UF50T	50TPH	93-96%	23KW
UF100T	100TPH	93-96%	37KW
UF200T	200TPH	93-96%	100KW

MBR SYSTEM

Membrane bioreactor (MBR) is an emerging technology that combines membrane separation technology and biological treatment technology, also known as membrane separation activated sludge method. The application of MBR technology can greatly increase the turbidity of the effluent, reaching the standard of direct discharge or even reuse of wastewater.



High removal rate, sludge bulking resistance ability



High volume load, small floor space, saving construction investment.



High breaking strength, unbreakable



5+ years service life under normal use



Outlet water $SS \leq 1 \text{ mg/l}$
 $turbidity \leq 1 \text{ NTU}$, $SDI \leq 3$

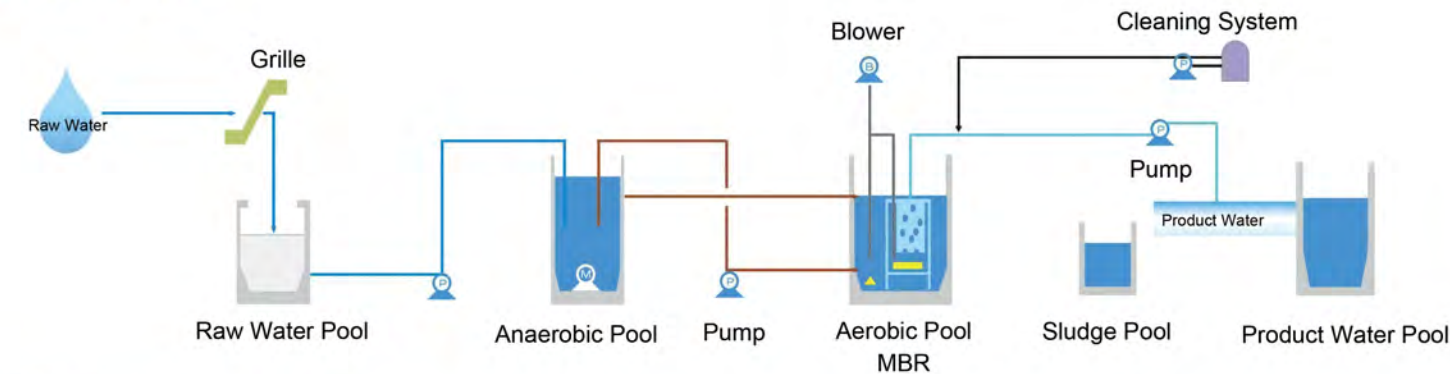


Use imported PVDF raw material, good chemical resistance



Good hydrophilicity, anti aging ability, long service life

Process Flow



MBR membrane classification

Item	Anti-pollution Ability	Mechanical strength	Cleaning Period	Cleaning Method	Service Life	Cost
Flat sheet membrane	strong	high	long	on-line cleaning	long	high
Hollow fiber membrane	weak	low	short	off-line cleaning	short	low

Remark:

1. It is necessary to select cost-effective MBR membrane products according to water quality conditions and treatment capacity.
2. The design of MBR needs to provide water quality: COD, BOD, ammonia nitrogen, total nitrogen, TDS, hardness, SS, PH, etc.





Power Plant
700m³/h UF System



Drinking Water Project
120m³/h UF System



Glass Grinding Wastewater Reuse
1000m³/h UF System



Pig farm Drinking Water Project
200m³/h UF System



— Reuse of Printing & Dyeing Wastewater 400m³/h UF System —



Agricultural Irrigation Water
25m³/h UF System



Aquaculture Water
30m³/h UF System



Textile Mill Water
40m³/h UF System

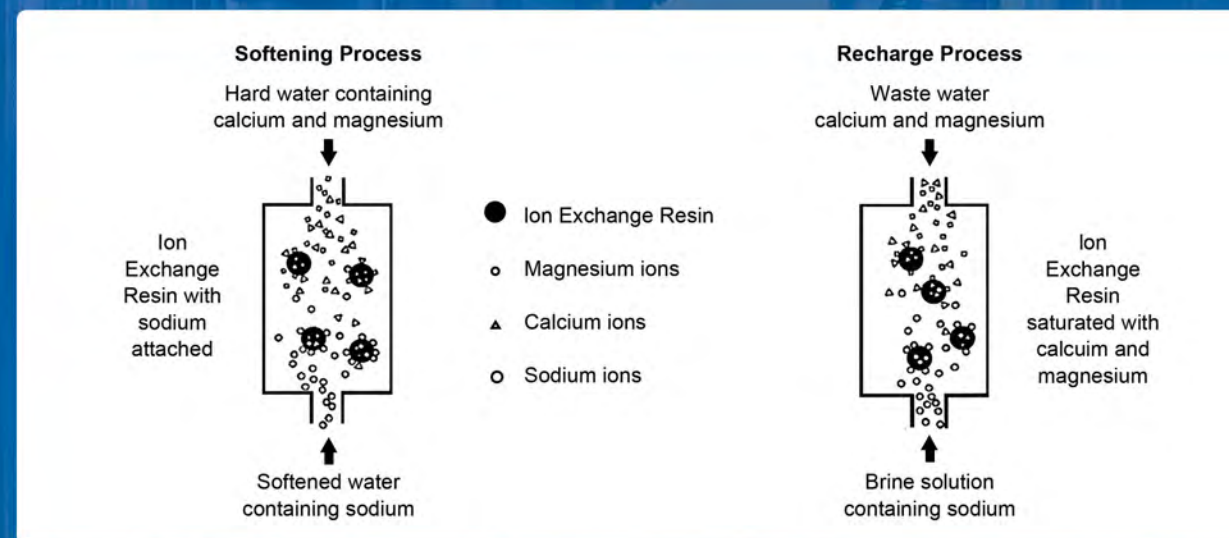


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UF

ION EXCHANGE EQUIPMENT

Ion exchange is the action in which ions in a solution are exchanged with ions on a certain ion exchanger. It is by means of the ion exchange in a solid ion exchanger with ions in a dilute solution to extract or remove a certain purpose of some ions. Ion exchange equipment is mainly used for the preparation of pure water and ultrapure water. At the same time, due to the continuous development of ion exchange resins, ion exchange technique is also commonly used in different water treatments to remove various heavy metals and pollutants.

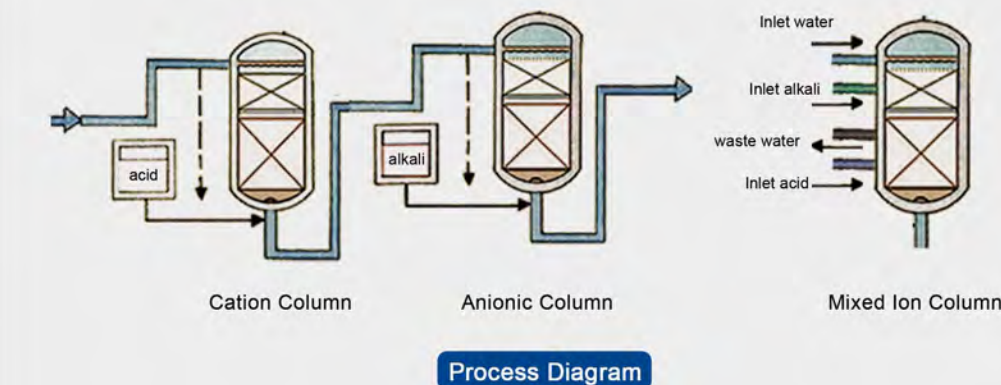


RE-BED

The double bed refers to the use of exchangers equipped with cation and anion exchange resins in series to achieve the purpose of desalination of water.

MIXED BED

The mixed bed is to fill the anion and cation resins in the same exchanger according to a certain ratio, and mix the ions evenly before operation. At this time, after the treated water passes through the mixed ion exchange bed, the generated hydrogen ions and hydroxide ions immediately generate water with very low solubility, and rarely form counter ions during cation or anion exchange. The exchange reaction can be carried out very thoroughly, so the water quality is good, the mixed bed is connected in series behind the reverse osmosis or one-stage multiple bed desalination system, used for the preparation of pure water or high-purity water. It can be also used alone if the water quality requirement is not high.



Re - bed



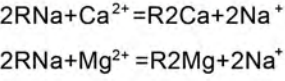
Mixed bed

WATER SOFTENER EQUIPMENT

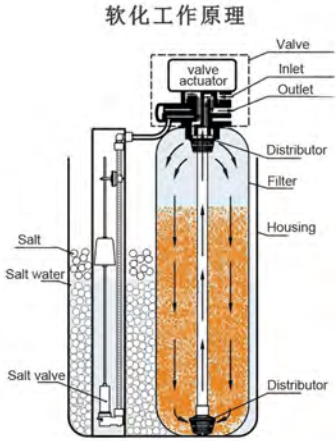
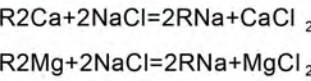
The water softener is an ion exchange water softener with fully automatic control of the operation and regeneration process. It uses sodium-type cation exchange resin to remove calcium and magnesium ions in the water to reduce the hardness of the water and achieve the purpose of softening hard water, so that the carbonate in the pipeline , Containers, boilers will not scale.



Softening Reaction:



Regenerative reaction:



Technical parameters

MODEL	PRODUCTIVITY	FILTER SIZE	TANK SIZE
WS250L	0.25TPH	817IN	15L/25L
WS500L	0.5TPH	835IN/844IN	25L/60L
WS1T	1TPH	1054IN	60L
WS2T	2TPH	1252IN	100L
WS3T	3TPH	1452IN	100L
WS4T	4TPH	1665IN	200L
WS5T	5TPH	2075IN	200L
WS6T	6TPH	2188IN	300L
WS8T	8TPH	2465IN	500L
WS10T	10TPH	3072IN	500L
WS20T	20TPH	4088IN	1000L
WS30T	30TPH	4896IN	1500L
WS50T	50TPH	6096IN	2000L

SUPPORT MORE MODEL CUSTOMIZATION.

RAW WATER QUALITY REQUIREMENT:

- 1.Pressure:0.2-0.4MPA

2.Turbidity:< 5NTU

3.Residual chlorine:< 0.1ppm

4.Manganese content:<0.1mg/l
- 5.Iron content:<0.3 mg/l

6.Temperature:5-45 ℃

5.If the inlet water hardness<6mmol/l,
the outlet water hardness is 0.03mmol/l.

WATER SOFTENER APPLICATION

CLEAN THE SKIN
MAKE IT CLEAN
AND COMFORT-
ABLE,
WASH THE HAIR
MAKE IT CLEAN
SOFT ANG SHING.

BEAUTY & SKIN
CARE

HOME LIFE

GOOD FOR
CLOTHES WASHING,
DISHES WASHING,
TOILETSWASHING,
COOKING,ETC.

HOME LIFE

HOME LIFE

PROTECTION
PIPE LINE

WATER PIPES NO
LONGER SCALE
AND CLOG,
WATER HEATER
ENERGY REDUCE.

INDUSTRIAL
WATER

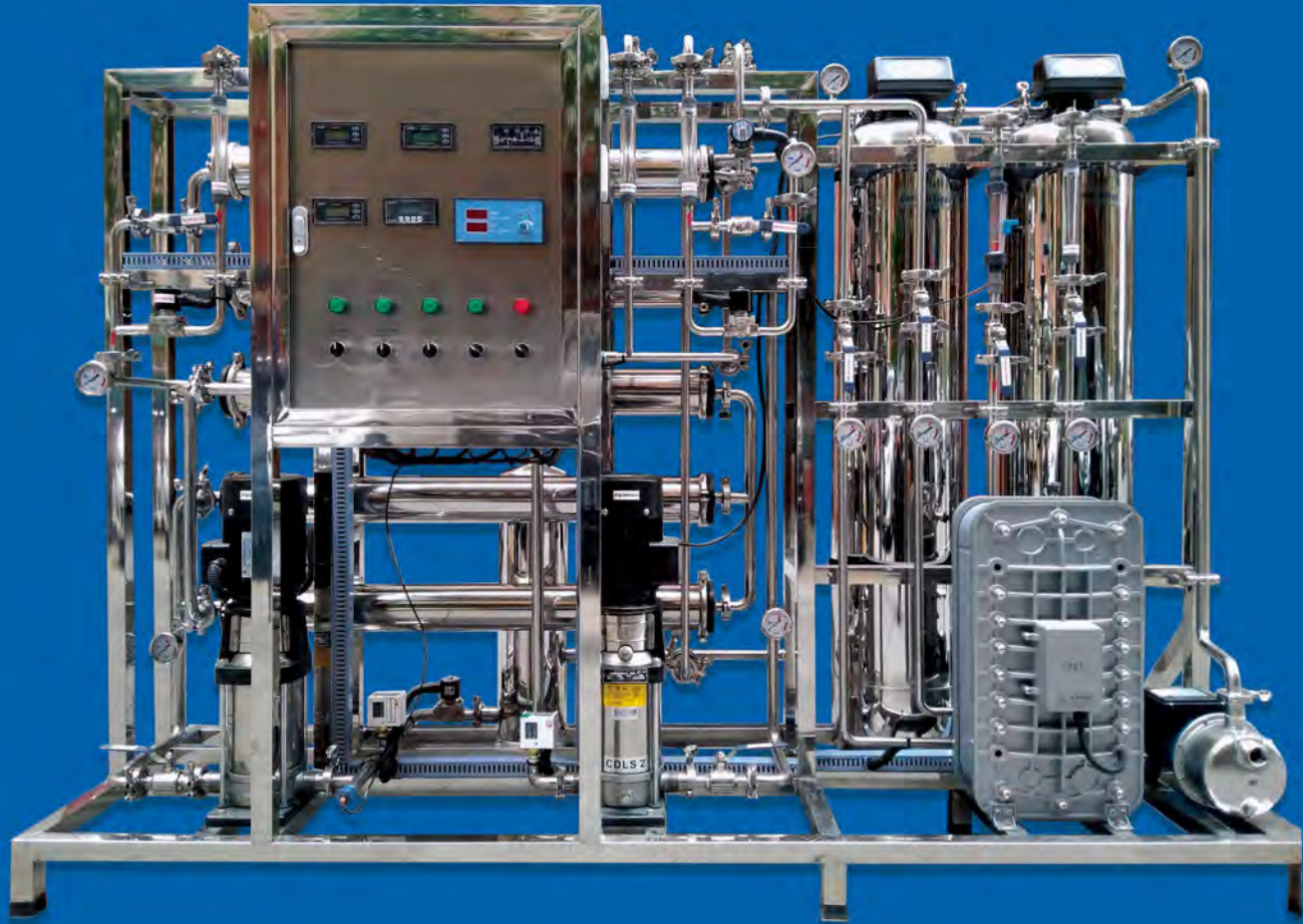
SAFE USE OF
BOILER AND
CONDENSER,ETC.

EDI SYSTEM

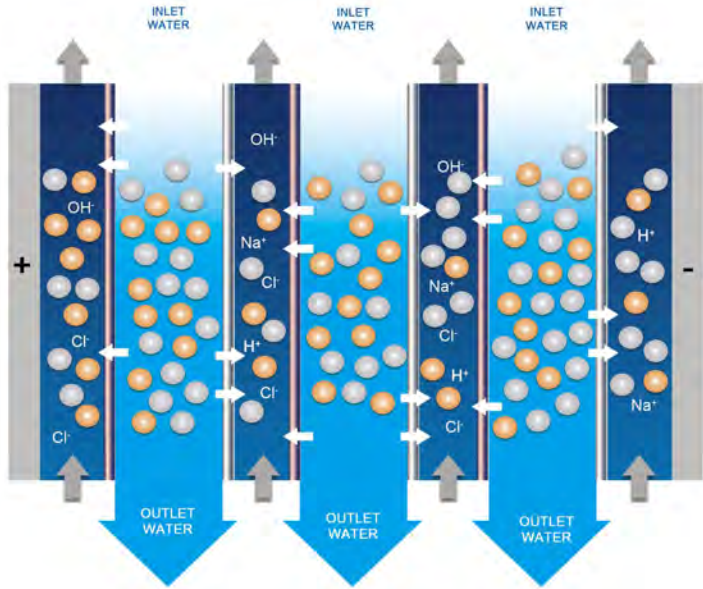
EDI(Electrodeionization), also known as electric desalination, is a new ultrapure water preparation technology developed in the 20th century. This technology combines electrodialysis technology and ion exchange technology, realizes the directional migration of ions under the action of DC electric field through the selective permeation of anions and cations by anion and cation exchange membranes and the ion exchange by the resins. so as to complete the deep desalination of water, at the same time, the hydrogen ions and hydroxide ions generated by water ionization can regenerate the ion exchange resin, so it continuously produce ultra-pure water without acid-base chemical regeneration.

APPLICATION:

- Pharmaceutical Industry,
- Microelectronics Industry,
- Photovoltaic Industry,
- Electronic Chip Industry,
- Semiconductor Industry,
- Cleaning And Coating Industry,
- Chemical Reagents For Ultra-pure Materials,
- Laboratories,
- etc.

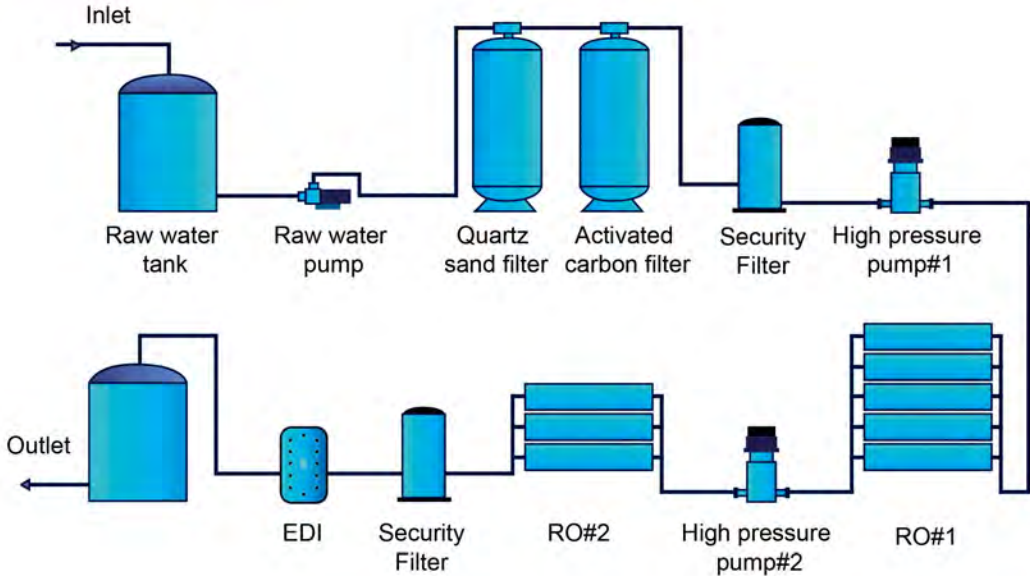


-EDI MODULE-



-EDI SCHEMATIC DIAGRAM-

PROCESS FLOW



WATER STANDARD

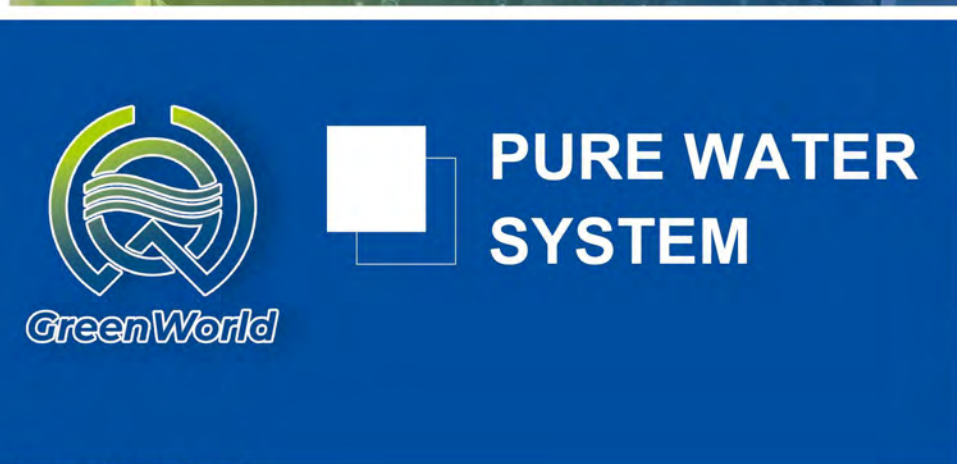
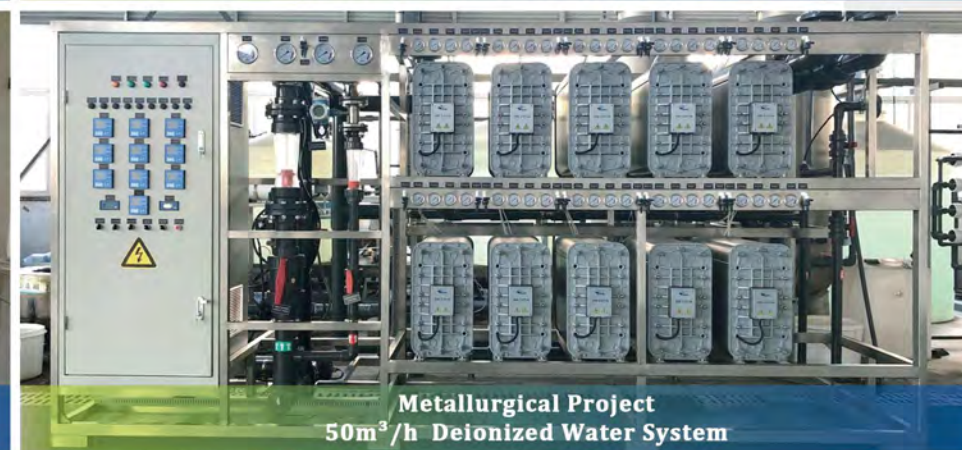
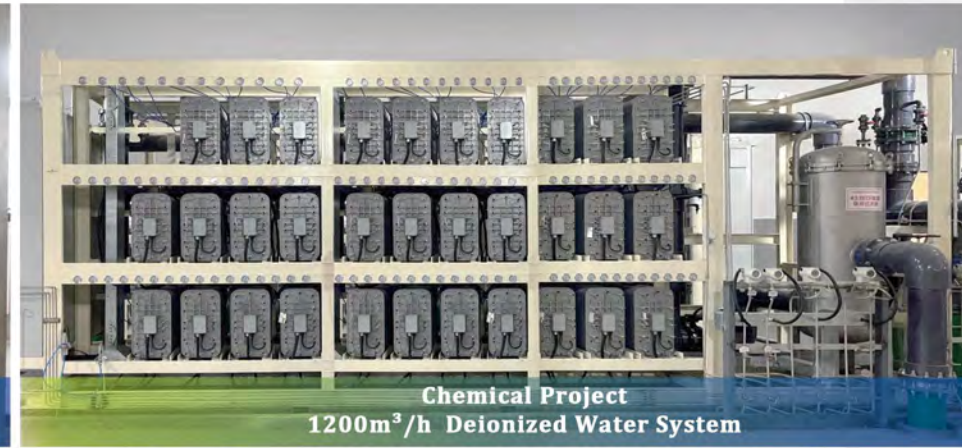
NAME	I	II	III
① Electrical conductivity (25°C) , $\mu\text{s}/\text{cm} \leq$	0.1	1	5
② Electrical conductivity (25°C) , $\mu\text{s}/\text{cm} \leq$	0.01	0.1	0.5
③ Electrical resistivity (25°C) , $\text{M}\Omega \cdot \text{cm} \leq$	18.2	17.5	12

REMARK:

① GB-Abstract of GB6682-92 Standard for Water in Chinese Laboratories

② ISO-International Organization for Standardization "Analytical Laboratory Water Specifications and Test Methods" ISO 3696:1995

③ ASTM-Summary of ASTM Standards for Pure Water from the American Society for Testing and Materials



PURE WATER SYSTEM

PRETREATMENT SYSTEM

The pretreatment in water treatment equipment is a common and necessary equipment for purifying water. The main purpose is to remove suspended solids, heavy metals, colloids, microorganisms, organic matter, active chlorine, etc. in water, reduce various pollutants in water, and ensure back-end water treatment. The normal operation of the equipment and prolong the service life.

■ Quartz sand filter

The filter is equipped with refined filter materials of different sizes and types, arranged from top to bottom, from small to large, which can remove suspended solids, sediment, clay, humus, etc. in the water, so that the turbidity of the effluent can reach the ideal Effect.



■ Iron&manganese filter

Oxidation method is used to oxidize low-valent iron ions and low-valent manganese ions in water into high-valent iron ions and high-valent manganese ions, which are then removed by adsorption and filtration, thereby reducing the content of iron and manganese in water. The filter material is refined quartz sand or manganese sand, which is often used in groundwater.



■ Activated carbon filter

Activated carbon has a large specific surface area and strong adsorption. It can remove organic matter, colloidal silicon, residual chlorine, etc. in water. It has a strong adsorption capacity for odor, chroma, and heavy metal ions, and reduces pollution to back-end water treatment equipment.



■ Fluoride removal filter

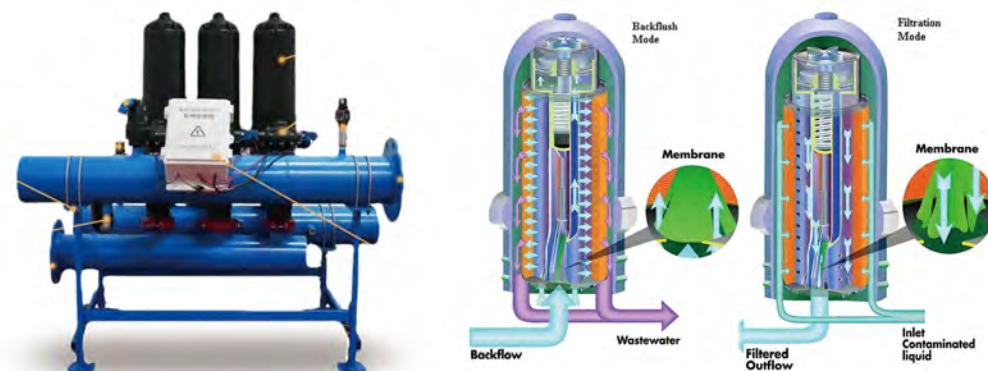
When the fluorine content in the groundwater is high (the national standard drinking water fluorine content <1mg/l), the defluoridation treatment is carried out through activated alumina adsorption and filtration technology. Equipped with defluoridation tank, filter material, regeneration device, etc., generally use aluminum sulfate solution or sodium hydroxide solution for regeneration.

■ DISC FILTER

The filter is composed of a controller, a filter unit, a filter housing, a diaphragm valve, a solenoid valve, a flow meter, and a differential pressure signal gauge. Filter units can be combined in parallel to meet different flow requirements.

The filter unit is composed of a filter head and a filter disc. The filter head is generally made of reinforced polyamide plastic, and the filter disc is made of polypropylene plastic.

Filter housings are available in many different materials for different working conditions. The filtration speed is fast, and there are certain requirements for the quality of the influent water.



■ SELF CLEANING FILTER

Use the filter to directly intercept impurities in the water, remove suspended solids and particulate matter in the water, reduce turbidity, purify water quality, reduce system dirt, bacteria and algae, rust, etc., to purify water quality and protect other equipment in the system to work normally.

The intelligent design of the system can automatically identify the degree of impurity deposition, and automatically clean and discharge sewage. Filtration accuracy reaches 10-3000 microns, less water loss, high degree of automation.



■ BAG FILTER

Bag filters are pressure filtration and consist of a filter vessel, support basket and filter bags. The liquid flows from the inside of the filter bag to the outside of the bag, and the filtered particles are trapped in the bag, so the liquid in the pipeline will not be polluted when the filter bag is replaced.



■ PRECISION FILTER

The filter housing can be made of different materials such as stainless steel, FRP, PP, etc. The filter element is made of PP spray melting, wire winding, folding, etc., and the filtration accuracy ranges from 1 μm to 50 μm . Specifically, different filter elements are selected according to different filter media and design processes to meet the requirements of effluent water quality.



01

ADVANCED TECHNOLOGY

Adopt advanced microcomputer technology, computer control, frequency conversion speed regulation, high efficiency and energy saving.

03

AUTO SPEED CHANGE

The speed regulation of the water pump changes with the water supply flow, and the flow adjustment range is continuously adjustable from zero to the rated flow.

05

AUTO ALARM

The electric control has various protection functions such as overload, overcurrent, overvoltage, overheating, short circuit, water loss, low water level alarm.

02

STABLE PRESSURE

The water supply pressure is stable, the flow parts are hygienic and safe, and the water supply quality is greatly improved.

04

MORE OPERATION

Automatic frequency conversion, automatic power frequency, manual operation, alternate operation, mutual backup, reliable operation, and easy operation.

06

LONG SERVICE LIFE

Soft start equipment, long service life

ADVANTAGE

WATER SUPPLY SYSTEM

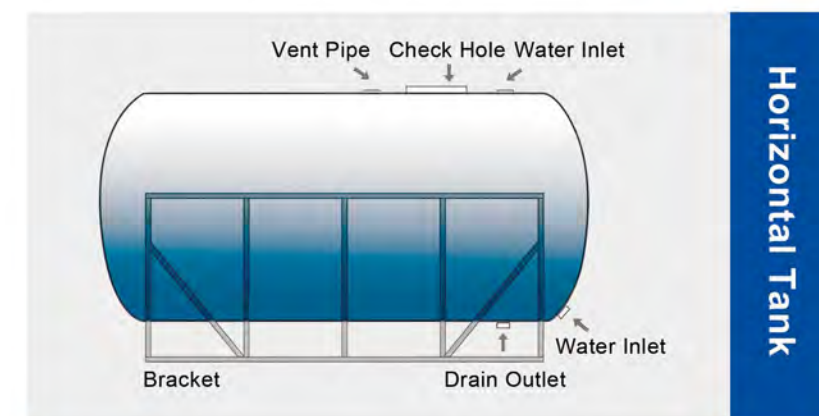
Frequency conversion water supply equipment

-The water supply equipment consists of three parts: the water pump, the frequency conversion control cabinet and the pressure stabilizing tank. Through the system setting parameters, the frequency conversion is used to adjust the transmission speed of the pump motor, so as to realize the stability of the water supply pipe network at the set pressure value, and ensure the water supply efficiency and water supply quality.

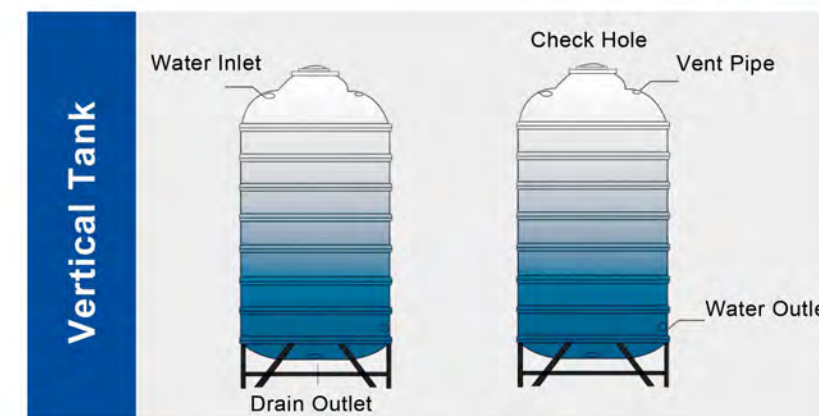


Stainless steel water tank

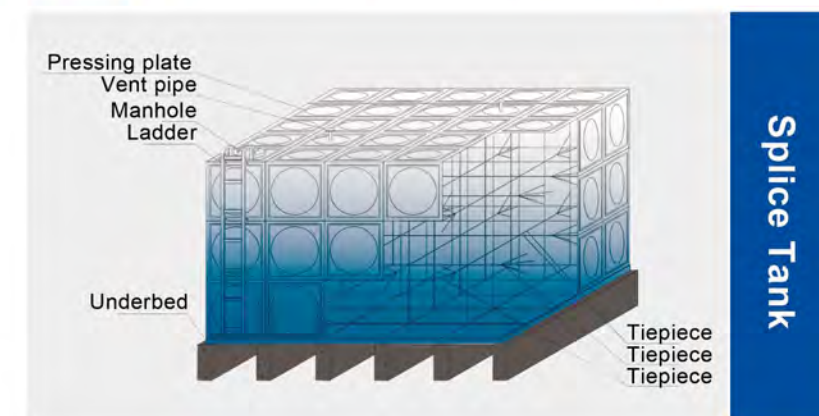
-According to liquid properties and the use environment, different food-grade stainless steel materials (SUS304, SUS316, etc.) are selected, and generally it can be made into a circle or a rectangle. The rectangle is welded by the molded plate, and the standard size of the general molded plate is 1000mmx-1000mm, 1000mmx500mm, 500x500mm. Water tanks made of other materials can also be customized according to specific conditions, such as glass fiber reinforced plastics, PE plastics, etc.



Horizontal Tank



Vertical Tank



Splice Tank

liquid packaging machine

It can automatically sterilize with ultraviolet rays, automatically back-sealing material bag forming, quantitative filling, sealing and cutting at one time, and Print the count date.

The whole machine adopts stainless steel structure, which meets the international hygienic standard.

It is equipped with steel stamp coder as standard, and can customize ribbon coder, cursor positioning, other language control screens and other requirements.

- ✓ Water
- ✓ Milk
- ✓ Soybean Milk
- ✓ Arious Liquids
- ✓ Soy Sauce
- ✓ Vinegar
- ✓ Rice Wine

Model	AS-1000	ZF-1000
Production Speed	2000Bag/H	1500Bag/H
Packing Capacity	50-500ml	50-500ml
Total Power	1.6KW	2.1KW
Film Width	50-150mm	50-150mm
Weight	300Kg	370Kg
External Dimensions	880x780x1780mm	1050x850x2050mm

Provide **packaging bag design** and **packaging bag production services**.

ZF-1000



PACKAGING AND FILLING EQUIPMENT

Filling production line equipment

The filling production line is a liquid filling production line composed of bottle unscrambling, filling, capping, aluminum foil sealing, stickers and other single machines. It mainly involves: the application of a complete set of production lines for carbonated beverages, mineral water, purified water, fruit juice, fruit tea, soybean milk, alcohol, etc. We also have various blow molding machines, preforms, bottle caps, handles, and PET bottles. 5 gallon barrels, cans, glass bottles, etc. For detailed model requirements.



Blowing Machine



Filling Machine



Bottle Preform&Cap

- Carbonated Beverages
- Mineral Water
- Purified Water
- Fruit Juice
- Fruit Tea
- Soybean Milk
- Alcohol

MEMBRANE PRODUCT SERIES



DUPONT(DOW) MEMBRANE



TORAY/CSM MEMBRANE



VEOLIA/SUEZ(GE) MEMBRANE



LG MEMBRANE



VONTRON MEMBRANE

WATER PUMP SERIES



CNP/LINGXIAO PUMP



CNP/GRUNDFOS PUMP



SHIMGE PUMP



SEKO DOSING PUMP



LMI DOSING PUMP

FILTER MATERIAL SERIES



PP FILTER CARTRIDGE



PLEATED FILTER CARTRIDGE



STRING WOUND FILTER CARTRIDGE



FILTER BAG



FILTER SCREEN

FRP MATERIAL SERIES



FRP FILTER



FRP MEMBRANE HOUSING



FRP HOUSING



SWIMMING POOL FILTERS



FRP WATER TANK

STERILIZATION SYSTEM



UV STERILIZER



LARGE UV STERILIZER



OZONE GENERATOR



LARGE OZONE GENERATOR



CHLORINE STERILIZER

ACCESSORIES



CONTROL VALVE



SOLENOID VALVE



PRESSURE GAUGE



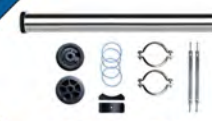
FLOW METER



WATER QUALITY MONITOR



EDI



STAINLESS STEEL MEMBRANE HOUSING



WATER DISTRIBUTOR



FRP FILTER FITTINGS



PRESSURE SWITCH



FLOW METER



MEMBRANE HOUSING ACCESSORIES



SALT TANK



PVC FILTERS



UPVC PLASTIC PIPE FITTINGS



LIQUID LEVEL SWITCH



DOSING TANK



PE WATER TANK



STAINLESS STEEL PIPE FITTINGS

CONTACT US FOR MORE DETAILS



GLOBAL ENGINEERING CASE



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