



NEWater(Suzhou) Environmental Technology Co., Ltd



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Company summary

NEWater (Suzhou) Technology Co., Ltd. is a high-tech enterprise, engaged in the research and development, design, sales, installation and commissioning, operation and management of professional water treatment and environmental protection equipment and after-sales service, to provide quality water treatment services to customers worldwide.

The company has a strong after-sales service background and adheres to the principles of integrity, excellence and high efficiency.

Adhering to the principles of integrity, excellence, efficiency and innovation, we strive to become an expert in customized solutions for water treatment and provide thoughtful services to our customers. We are committed to bringing new life to more water, while creating a healthy and pollution-free environment for society.

Scope of Business

- RO equipment
- UF equipment
- EDI equipment
- Water recycling & Waste water treatment equipment
- Sea water desalination system
- Sand/Carbon filter
- Water softening equipment
- Cartridge filter
- Iron and manganese removal equipment
- Disk filter
- Bag filter
- Ion-exchange unit
- UV sterilizer
- Ozone generator
- Chlorine dioxide disinfectant
- UV Accessory
- Other parts



Equipment introduce and peculiarity

RO equipment

Production information

- RO is a advanced and economical deep water treatment way and details that water has changed to fresh water through membrane while canceled the inorganic ions, germ and organics etc...



Production peculiarity

- The structure is tight and it occupies a small area. Low Investment cost and the power consumption is low.
- Physical process and none phase change and marked energy conservation.
- Easy operation and automatic and save labor. The separating unit is fouling resistant and easy to clean.
- Higher salt rejection and recovery rate. Make up fresh water from river water, lake water, well water and sea water or brackish water.
- As one concentrated method to recover valuable component from solution.
- Remove organics, bacteria, colloid, and other impurity dissolved in water to obtain high purity water.

Application domain

- Medical and pharmaceutical and Pure drinking water.
- Wastewater treatment, retrieved and incassation.
- Sea water and brackish water desalination.
- Industry of electrical, light, chemical, gas, food and soft etc...

UF equipment

Production information

- UF plant is made according the design of capillary ultra filtration membrane.

Tech superiority

- UF system is used PVDF, PVC and PS.
- Used for heat-sensitive material disposed especially and avoided destroy of active substance from high temperature fully.
- Low energy consumption, short delivery and lower processed cost.
- Control system is depended on the individuation design of operating requirements.



Applied range

- Pure water and ultrapure water equipment.
- Medical sterile pyrogen-free water equipment.
- Edible drinking soft, drinking water, mineral water, Industrial separation, incassation and purification.
- Industrial wastewater treatment, electrophoretic paint and chrome oil treatment.

EDI equipment

Advantage

- Outlet quality is the best steadily.
- Can produce standard pure water continuously.
- Module production and realize PLC automatic control.
- No need to regenerate Acid-base. No acid and alkaline wastewater is discharged.
- The machine will not close because of regeneration.



Water recycling & Waste water treatment equipment

Production information

- MBR is a new technology which is biological treatment and barrier separation are mixed. It is replaced the old two sink pond and then separates the solid liquid efficiently. It is also keep high thickness microbial biomass and then dislodges sillage and ammonia nitrogen, and lower energy consumption.



Area of application

- Apply to residence community, shopping mall, hotel, office building, restaurant, school, troops, factory etc sanitary sewage and industrial wastewater, for example, the industry of textile ,beer, food, chemical.
- Full Automatic water treatment plant we provided has specification 5t/d, 25t/d, 50t/d, 100t/d, 150t/d, 200t/d, 300t/d, 500t/d.

Process characteristic

- It can process solid liquid separation that separates the suspended substance, colloidal substance and microbial flora from the depurative water. The separate tech is simple, floor space is small and outlet quality is good.
- It can keep the biological treatment unit biomass in high thickness, most increase the volumetric loading and most cut the processing unit hydraulic retention time, and reduced Bio-reactor area accordingly.
- It can prevent various microorganisms losing and then better for nitrobacteria's reproduced, a variety of metabolic process is done well accordingly.
- It can make the stay time longer of refractory organic compounds and then better for they are resolved.
- Membrane treatment technology is same as other filtering separation that during the long working process, it keeps effective use of life by MBR.
- MBR is used in city waster water treatment and fully auto – moved.

pretreatment system, after treatment system), reverse osmosis system and engineering service(system upgrading).

Process description

- Such system use advanced RO membrane element, pressure vessel, high pressure pump and others. And it utilize the high efficiency pretreatment equipment for dislodging the organics from sea water. Finally, the outlet is contented health standards of drinking water.

Application domain

- The portable sea water desalting plant provides fresh water for island, resorts, offshore oil platform and can be installed on the car or ship to give fresh water for mobile unit such as geology, oil and mineral units.

Project advantages

- Low power consumption.
- High reliability.
- Operate under normal temp.
- Operated by electricity.
- Unipolar membrane separation can up to drinking water standard.
- Module structure and flexible system equipment.

Sand/Carbon filter



Production information

- Sand filter is the best useful way of dislodged seston and the important unit of deep treatment and re-used of wastewater and feed water treatment.
- Carbon filter has to be used with sand filter synchronously. The main function is that can be dislodged active chlorine, chroma, smell and organics.

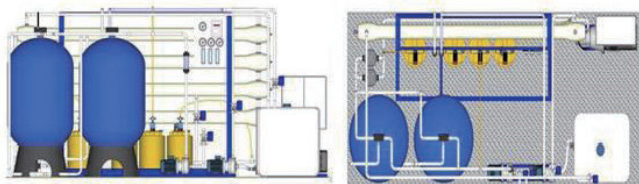
Production peculiarity

- Simple structure and control easily.
- Automatic controlling.
- High filter efficiency, lower resistance, large treatment capacity and less re-washing time.

Applicable conditions

- Sand filter is matched for industrial, village, town and residential area with water treatment. (The turbidity of water: $\leq 5\text{mg}$)
- Treat water to outlet standard when sheet condensation is appeared in water.

Sea water desalination system



Main information

- Our company is a professional supplier which provides solution and engineering services in the industry of sea water desalination. It offers solution (sea water intaking engineering,

Application domain

- Preprocess pure water , drinking water, mineral water, and the water involves in the industry of electricity, printing and dyeing, paper-making, chemical.
- Filter industrial wastewater after secondary treatment.
- Further filtering of circulating water treating system.
- Eliminate suspend solid in industrial wastewater.

▶ Cartridge filter



Production information

- We offer the cartridge filters which with large flux, lower consumptive material, surface polishing, pickling and passivation treatment of inside surface.

Production peculiarity

- High precision filter and symmetrical aperture of filter element.
- Lower resistance, large flux, strong interception and long used life.
- High clean of filter element and none pollute for filter media.
- Acid-resisting and alkali etc...
- High intensity, the most ability and non-deformation of filter element.
- Easy operated, lower running cost and simple clean.

Parameter

- Working pressure: 0.05-0.6Mpa.
- Working temperature: 5°C – 40°C as usual (OEM for others)
- Precision filter: 3μm – 100μm
- Filter element length: 10" – 40"
- Material: sus304 and sus316 etc...

▶ Disk filter

- Disk filter is included a pair of disc with ditch and had surface intercept and deep cohesion function. And also had some technological superiority with highly active re-washing, full automatic continuous operation, lower water deprivation, smaller floor space and stable operation.



Dominant position

- Accurate filter: select different accuracy filter according to different requirement. It has 20μ、50μ、100μ、130μ、200μ etc specification.

- Efficient backwashing: fast and complete backwashing finish in 20 secs.
- Automatic operation, continuous outlet: backwashing.
- Standard: system designs standard module. Customer select by need. It can change with each other.
- None-standard: it takes advantage of corner space to install and occupies small area.
- Reliable operation and easy maintenance: few daily maintenance. The parts are tested and inspected by factory and no need special tool and few spare part.
- Long service life: The high-tech plastic filter element is firm and in-gage, no-corrosion. By many years' practical test, the effect of filtering and backwashing does not get worse by long service time.

▶ Bag filter

Production information

- Bag filter is a multipurpose pressure-type filter. Liquid flows into filter bag, which installs in enhanced mesh. The impurities in the liquid are blocked by the bag. The equipment is made of SUS304 Ss, mono-bag type or multi-bag type available. Filter material is nylon, polypropylene, polyester, nomex, PTFE, etc.



Production peculiarity

- Small volume, large treating capacity.
- Change filter bag easily, no-clean the filter.
- Little side leakage.
- High pressure bearings, small pressure loss, low cost, energy saving.
- Precision increasing continuously, now up to 0.5um.
- Broader application.

▶ Ion-exchange unit

Production information

- Ion exchange column is a Cylindrical pressure vessel to exchange ion, is widely used in the getting pure water, water softening in the industry of chemical ,electricity , medicine, textile and electro facing, decolorization and extract for medicine and food, recycling for important chemical raw material and sewage treatment.



Production peculiarity

- Operating pressure: -0.1MPa ; / ≤3kg/cm²
- Operating temp. -10°C ~ 100°C
- High corrosion-resistant.
- Such machine is very light and easy to transportation, installation and repaired.

▶ UV sterilizer

KCJ series

- It could effectively deal with liquid in water tank and residual air and avoid secondary pollution, keep water tank clean. Such sterilizer is applicable to dual water supply, electrical, pharmaceutical, food, cosmetic and other industry for water supply in different period. Submersible UV sterilizer is mainly used for water tank. The specific model depends on the outer dimension, flow rate and water quality.

KCS series

- This series of UV water sterilizer is connected to home water tap to kill bacteria in water. The lamp emits a large amount of UV at 253.7nm, which wave excellent germicidal effect. These lamps have similar structure and electrical characteristics with those general fluorescent lamps used for illumination. These lamps use Quartz glass, which effectively transfer UV at 253.7nm.

KCF series

- Closed style disinfectors normally are applicable to medium, small water treatment or is necessary to impose pressure disinfectors but unable to apply in open channel equipment. UV lamp enclosed in sealed quartz sleeve could place vertically or parallel with water flow direction. For parallel system, small hydraulic loss and uniform water flow rate; while vertical system could make turbulent fluid water and improve disinfection effectiveness.

KCW series

- Such series adopts advanced high intensity arc tube and is installed in the open channel for sewerage treatment. UV lamp in the module is installed vertically and is perpendicular to the water flow disinfection, Each UV lamp is enclosed in sealed high transmittance quartz sleeve.



▶ Ozone generator

Production information

- Ozone machine widely apply to clean area and testing laboratory of the industry of pharmaceutical factory, hospital, electronic factory, Food processing workshops. Daily chemical purification workshop and Ozone water system.



Production peculiarity

- Products high thickness ozone (weight ratio 16wt%), life of electrode can be 60000hrs.
- Seal is made by high quality resistance to ozone oxidation material that avoids the fault from ozone oxidation cause leakage.
- High-frequency high-voltage transformer magnetic core is made by imported material and its merit is small CBM, high rate, high power and low heating value. It is matched for the miniature structure and special places.
- It is used double cooling technology that water cooling for inner electrode and wind cooling for outer electrode.
- Molecular sieve oxygen system is used advanced pressure swing adsorption technology for Automatic oxygen-enriched machine. It separates the oxygen gas from air due to the molecular sieve characteristics of selective adsorption of oxygen and nitrogen.

▶ Chlorine dioxide disinfector



- Such product is made by American design and the main electrolysis occurs are C_1 , O_3 and H_2O_3 etc...
- Strong integrity, small volume, light weight, beautiful appearance.

Accessory and Consumptive material

UV Accessory

- UV lamp at a short wavelength of 253.7nm has strong germicidal capability and is applied for air, water, and object surface disinfection. UV lamp possesses high conversion efficiency and long lifetime of over 9000 hours.



Other parts

- RO membrane



- EDI module



- Filter element



- Filter bag



- Membrane housing



- Valve



- Center water purifier



- Instrument and apparatus



After-sale service

- We have followed ISO9001 sternly and cooperated with domestic and international first-class water treatment supplier. Science and technology as the guide, developing Sophisticated technology and better quality water treatment plants ceaselessly. And Improve the quality of all service steps.



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