



ShenZhen Hua He Sheng Technology Co.,Ltd

Centralized supply of industrial products in factories

TPS GLOBAL TRADING

Product service

—For Water treatment system supply and servicer



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TPS GLOBAL TRADING

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Company profile

The team members of Shenzhen Huaohesheng Technology Co., Ltd. have many years of practical work experience in industrial manufacturing (hardware, plastics, chemicals, surface treatment, etc.), as well as professional materials, chemistry, technology, equipment, and theoretical basis for testing. , Can provide customers with advanced and practical water treatment system integration services through comprehensive analysis, reasonable design, and independent innovation.

It can treat groundwater, surface water and high-salt seawater, solve the problem of lack of tap water in factories, and can be further purified to meet the higher water quality requirements of pharmaceutical plants, electroplating plants, and washing plants.

Biochemical, ion exchange, reverse osmosis and other technologies are used to treat and reuse industrial wastewater, and sludge dewatering for power plants, pharmaceutical plants, oil fields, palm oil plants, electroplating plants, textile plants, printing plants, chemical plants, steel plants, paper mills, etc. Dry processing system.

Provide technical consultation, program design, equipment accessories, filter media, water purification agents, etc., which can help companies solve water and wastewater problems, rationally invest in treatment costs, and maintain healthy operations of the factory.

It also provides small and medium-sized water purifiers and various quick-connect filter elements (activated carbon, PP cotton, resin, UF, PVDF, RO membrane) that are frequently replaced for businesses and families. There are a variety of sizes, models, and interface methods to choose from .





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Water treatment technology and use

Water treatment technology and use (Water quality treatment technology and use)

Raw water	Photo	Function	Target water quality
Groundwater		Deodorize And Fe ²⁺ Mn ³⁺	Industrial pre-cleaning water
Surface water		Remove SS (suspended solids) Ca ²⁺ 、 Mg ²⁺	Industrial pre-cleaning water
Tap water		Remove Cl ⁻ 、 Ca ²⁺ 、 Mg ²⁺	boiler、 washing、 Recycled water
High salt water		Sterilization, desalination and TDS reduction	Drinking water, purified water
Organic waste water		Degreasing, biochemical treatment to reduce BOD	Oil factory, food factory
Mining, cleaning waste water		Flocculation and filtration to remove sediment and organic suspended matter	Ore washing, medicine, chemical industry
Electroplating, pharmaceutical waste water		Desalination, removal of heavy metals	Ore washing, medicine, chemical industry



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Water treatment equipment and accessories, spare

Product name	Photo	Function
<p>Industrial RO deionized water equipment</p>		<p>Reduce water salinity Reduce water conductivity Reduce water hardness and prevent scale Reduce heavy metal content in water Remove microorganisms and algae in water Kill harmful bacteria in water Reduce BOD/COD of water Remove SS (silt, colloid and other suspended matter) in water Remove harmful fungicides in water (residual chlorine Cl⁻)</p>
<p>Commercial RO integrated water supply equipment</p>		<p>1. Hotel Conventional tap water purification water supply + other raw water purification backup water supply, 2 in 1. Drinking water + domestic water 2 in 1.</p> <p>2. Villas, manors, farms, Resorts, scenic spots Conventional tap water purification water supply + other raw water purification backup water supply, 2 in 1. Drinking water + domestic water 2 in 1.</p> <p>3. Shopping malls, office buildings Conventional tap water purification water supply + other raw water purification backup water supply, 2 in 1. Drinking water + cleaning water 2 in 1.</p> <p>4. Restaurants Conventional tap water purification water supply + other raw water purification backup water supply, 2 in 1. Drinking water + washing water 2 in 1.</p>



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Water treatment equipment and accessories, spare

Product name	Photo	Function
Sea water RO treatment Equipment		<ol style="list-style-type: none"> 1. Skid frame SS316L. 2. Pump: SS316 VERTICAL multi-stage centrifugal water pump. 3. Membrane elements: 4040/8040 4. Membrane housing: FRP/316L 5. Low pressure piping: SS316 6. High pressure piping: SS316 7. Solenoid valve: Automatic 8. Soften valve: Automatic/Manual 9. Product and concentrate flow meters 10. Concentrate and recycle flow control valves 11. Nominal recovery rate: 65-70% 12. Nominal salt rejection rate: 96%-99%
RO membrane shell, FRP/Stainless Steel Membrane Shell		<p>Model: 8040 & 4040 Length: 1 core-7 core Standard color: white Working temperature: -7°C -49°C Working pressure: 300PSI-1200PSI Main model of FRP membrane shell: FRP membrane shell 8040/8080/80120/80160/4040 etc. Uses: reverse osmosis system, suitable for standard membrane brands such as Dow, Hyde Energy, Toray, GE, Huitong, etc.</p>
DOW membrane		DOW reverse osmosis membrane series



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Water treatment equipment and accessories, spare

Product name	Photo	Function
GE membrane		GE reverse osmosis membrane series
HYDRA membrane		HYDRA reverse osmosis membrane series
KOCH membrane		KOCH reverse osmosis membrane series
SUEZ membrane		SUEZ reverse osmosis membrane series



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Water treatment equipment and accessories, spare

Product name	Photo	Function
TORAY membrane		TORAY reverse osmosis membrane series
HHSV membrane		HHSV reverse osmosis membrane series
HHSB membrane		HHSB reverse osmosis membrane series



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Water treatment equipment and accessories, spare

Product name	Photo	Function
HHSQ membrane		HHSQ reverse osmosis membrane series
Swimming pool water treatment UF equipment		<p>Swimming pool water treatment, filtering hair, grease, ammonia nitrogen, human metabolites, microorganisms, harmful bacteria in the water, circulating purification, maintaining water quality without frequent water changes.</p> <p>Deep filtration and sterilization of swimming pool water for recycling</p> <p>O₃ ozone is safe to sterilize. Excessive soluble O₃ can always maintain the good antibacterial effect of the entire swimming pool system, ensuring that the water quality does not harm the human body.</p> <p>Completely circulate treatment twice a day, which is equivalent to the effect of completely replacing the new water. According to long-term calculation, it can save a lot of water replacement costs and operating expenses, which is far better than traditional filtration equipment.</p>



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Water treatment equipment and accessories, spare

Product name	Photo	Function
<p>Aquaculture water treatment UF equipment</p>		<p>Deeply filter the aquaculture water to prevent the deterioration of water quality leading to the death of fish due to hypoxia and improve the survival rate of aquaculture. Used for the treatment of aquaculture water, filtering the bait in the water, fish mucus and excrement, microorganisms, harmful bacteria, circulating purification, maintaining water quality, preventing fish diseases, and not changing the water frequently. Safe sterilization, harmless to fish, prevent parasites and germs from causing fish to get sick and gills rotten. Circulating treatment to maintain water quality and reduce water exchange costs, which is better than conventional filtration equipment and methods.</p>
<p>UF filter element, MBR Membrane, Tubular ceramic membrane, ultrafiltration membrane</p>		<p>Ultrafiltration membrane MBR hollow fiber membrane Tubular filter membrane</p>
<p>MBR Industrial organic wastewater treatment UF equipment</p>		<p>MBR bioreactor series</p>



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Water treatment equipment and accessories, spare

Product name	Photo	Function
<p>Industrial organic liquid concentration UF equipment</p>		<p>Concentrated processing of milk, juice, and beverages, The concentration of milk, beverages and fruit juices not only increases the concentration of organic nutrients, the liquid is clearer and the taste is purer. Production concentration of biological extraction, organic chemical industry, and organic pharmacy, which can effectively separate the organic and biological components from inorganic salts and water to achieve the purpose of extraction and concentration. (Biochemical agents, flavors, proteins, amino acids, pigments, etc.)</p>
<p>Electrophoresis paint automatic ultrafiltration equipment</p>		<p>The main function of the electrophoretic paint ultrafiltration machine is to perform ultrafiltration of the electrophoretic paint, control the conductance in the electrophoresis tank, and discharge excess ionic impurities, thereby controlling the stability of the electrophoresis tank. As well as recovering the electrophoretic paint in the washing liquid of the electrophoretic workpiece, reducing production costs and reducing emissions.</p>



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Water treatment equipment and accessories, spare

Product name	Photo	Function
Anion & cation resin desalination equipment	 <p>IER Ion exchange resin equipment</p>	<p>RO water treatment system, deionization and desalination, production of various grades and uses of low-ion pure water and non-ion ultrapure water.</p> <p>Desalination of sea water. This equipment can be used in combination with RO to ensure the desalination effect of seawater, Can improve water production rate</p> <p>Wastewater treatment. After the wastewater is biochemically treated, it is desalinated to meet the discharge or reuse requirements.</p>
Ion resin regeneration equipment		<p>Regeneration treatment after the failure of ion exchange resin in water treatment</p> <p>Resin regeneration degree 90%</p> <p>Safety, low operating cost, no pollution</p> <p>Dynamic resin regeneration, stable effect</p>
IE Resin water softening equipment		<p>Boiler water softening</p> <p>Prevents scaling on the inner wall of the boiler and the surface of the pipeline, which affects the heating effect and produces a large amount of slag and pollution.</p> <p>Industrial RO pre-softening treatment</p> <p>Scaling on the surface of the RO membrane and the inner wall of the pipe will cause pollution and blockage.</p> <p>Drinking water softening</p> <p>Long-term drinking of high-hardness water will form stones in the human body and affect health.</p>



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Water treatment equipment and accessories, spare

Product name	Photo	Function
<p>Special modified resin IE equipment</p>		<p>Electroplating, anodic oxidation, electrophoresis working fluid purification. Directional exchange and removal of useless hetero ions, retaining useful ions.</p> <p>Chemical purification, chemical solution purification. Directional exchange and removal of useless hetero ions, retaining useful ions.</p> <p>Extraction and purification of rare elements and biotin.</p> <p>Extraction of precious metals, heavy metals and poisons from industrial wastewater.</p> <p>Decolorization of sugar solutions, exchange and removal of colored ions.</p> <p>Printing and dyeing wastewater treatment, extraction of colored dye ions, wastewater decolorization, and dye recovery.</p>
<p>Resin, ion exchange resin</p>		<p>Water treatment series resins, the products involve anion and cation exchange resins, mixed bed resins, chelating resins, stretch resins, polishing resins and other different types, different levels and specifications, which can be used for hard water softening, pure water preparation, over-standard water treatment, ultra-pure Industrial fields such as water preparation and condensate refining meet the needs of different water treatments.</p>



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Water treatment equipment and accessories, spare

Product name	Photo	Function
High-pressure pump		Under the action of the high-pressure pump, a certain pressure is given to the water to pass through the membrane and enter the next treatment process.
valve		Various solenoid valves, ball valves, butterfly valves (pneumatic, electric, manual), etc. are used in water treatment equipment. The main function is to cut off the pipeline between water and membrane or water when the equipment is stopped.
Dash board		There are two categories of meters in the water treatment process. One is to test the temperature, pressure, liquid level, flow and other physical quantities of meters called thermal meters. The other is to measure the pH value, dissolved oxygen value, turbidity, COD value and other sewage components of water quality, which is called water quality analysis instrument.
Membrane shell		Divided into two materials: stainless steel and glass fiber, it is a pressure vessel that guarantees the working pressure of the membrane element
Tank		Stainless steel/carbon steel FRP tanks used to hold filter media to filter water
UV light		Use the characteristics of ultraviolet rays to sterilize the water to be treated



Water filter media

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Product name	Photo	Function
Water treatment quartz sand CAS NO: 14808-60-7 HS Code: 2506100000		Interception, sedimentation, inertia and adsorption to reduce the content of suspended solids in the water, while some bacteria and viruses are also removed along with the suspended solids
Activated carbon For Water Treatment Molecular formula: CH4 CAS NO: 64365-11-3 HS Code: 8421999090		Can absorb different colors and odors, organic matter, colloids, some heavy metal ions and residual chlorine in water
Mineral sand Molecular formula: MN CAS NO: 7439-96-5 HS Code: 2602000000		Eliminate iron and manganese in water
Molecular formula: C31H39N CAS NO: 69011-19-4 HS Code: 3914000000		Reduce the hardness of raw water to achieve the purpose of softening Ion exchange reduces TDS
High Quality Cotton String Wound Filter Cartridge Water Treatment Elements HS Code: 8421991000		By controlling the winding tightness and thinness of the yarn, filter elements of different precisions can be made, which can effectively remove suspended solids and particulate impurities in various liquids, and have a high purification effect on various liquids.
PP Melt Blown Filter Cartridge (PP Filter) HS Code: 3926901000		It removes impurities such as suspended solids in water, silt and rust, and can intercept impurities of different particle sizes.
RO/PVDF/UF/Polysulfone ultrafiltration etc HS Code: 8421999090		Bacteria, organic matter, inorganic matter, metal ions and radioactive substances in the water are intercepted according to the particle size setting. The key components of the reverse osmosis pure water machine play a decisive role in the water production and quality of the equipment



Water Treatment chemical reagent

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Product name	photo	Function
Nonionic Polyacrylamide (NPAM) Flocculant Molecular formula: $[CH_2-CH(CONH_2)]_n$ CAS NO: 9003-05-8 HS Code: 3906901000		By absorbing solid particles suspended in water, bridging between particles or by neutralizing charges, the particles are aggregated to form large flocs. Mainly used for flocculation, sedimentation and clarification treatment of various industrial wastewater, suitable for acidic environment.
Cationic Polyacrylamide(CPAM)Flocculant Molecular formula: $(C_3H_5NO)_n^+$ CAS NO: 9003-05-8 HS Code: 3906901000		Mainly flocculate negatively charged colloids, with functions such as turbidity removal, decolorization, adsorption, adhesion, etc., suitable for alkaline environments.
Anionic Polyacrylamide (APAM) Flocculant Molecular formula: $(C_3H_5NO)_n^-$ CAS NO: 9003-05-8 HS Code: 3906901000		For suspended particles, sewage with coarser, high concentration, positively charged particles, neutral or alkaline water pH, accelerates the sedimentation of particles in the suspension, and significantly accelerates flocculation, clarifies the solution, and promotes filtration And other effects.
Iron and manganese removal Molecular formula: MN CAS NO: 7439-96-5 HS Code: 2602000000		Eliminate iron and manganese in water
Inhibitor		Disperse insoluble inorganic salts in water, prevent or interfere with the precipitation and scaling of insoluble inorganic salts on metal surfaces
Fungicide		The growth of bacteria, algae and microorganisms in the water to prevent the formation of microbial slime
Descaling agent		Remove dirt from pipes and equipment



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Household water purifier filter

一、Sanitary Ware Filter Element



Product name	Function
PP filter element	The coarse filtration filter element can remove impurities and pollutants such as rust, sand grains and earth in the water
Ultrafiltration filter element	The ultrafiltration membrane has effective function to remove suspended substances, larger bacteria, escherichia coli, etc.

二、Water purifier filter element series

Product name	photo	Available media
11 -inch quick connect-Quick-connection		<p>PP filter element: The coarse filtration filter element can remove impurities and pollutants such as rust, sand grains and earth in the water</p> <p>Pre active carbon filter element: Active carbon subjected to high-temperature treatment adsorbs and removes residual chlorine, disinfecting byproduct, organic chemical substance, etc.</p> <p>Ultrafiltration filter element: The ultrafiltration membrane has effective function to remove suspended substances, larger bacteria, escherichia coli, etc.</p>
10-inch quick connect-Quick-connection		<p>RO filter element: Remove heavy metal, bacteria, scale and other organic chemical substances.</p> <p>Post active carbon filter element: The active carbon subjected to high-temperature treatment removes the peculiar smell in the water to restore the fresh taste.</p>
8-inch quick connect-Quick-connection		<p>Carbon rod filter element: Removing organic matters in liquid, particles, rust, residual chlorine, peculiar smell and the like.</p>
10-inch Quick-insertion filter element		<p>Post composite filter element (carbon rod+UF): Removing bacteria breeding in the water storage tank.</p> <p>Scale inhibition filter element: Effectively removing white incrustant flotations in water clarifier</p>
5-inch Quick-insertion filter element		<p>Bactericidal filter element: Removing bacteria breeding in the water clarifier.</p> <p>Sintered carbon filter element: Removing 99% of residual chlorine, particles and suspended substances which are bad to health.</p>

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