

让世界更洁净
Make the world cleaner



利百家（山东）水处理设备有限公司

LIBAIJIA (SHANDONG) WATER TREATMENT EQUIPMENT CO., LTD

利百家企业文化

LBJ corporate culture



我们的愿景：

Our vision:

为客户、股东、员工和社会创造价值，

Create value for customers, shareholders, employees and society,

为世界环保事业做出贡献，成为世界一流的环保企业！

Make contributions to the world environmental protection cause and become the world's first-class environmental protection enterprise!

让世界更洁净

Make the world cleaner





我们的使命：让世界更洁净！

Our mission: make the world cleaner!

我们的价值观：诚信正直、坚持创新、激情敬业、

Our values: integrity, innovation, passion and dedication

团结合作、客户至上、成己达人！

Unity and cooperation, customer first, become your own person!

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利百家企业简介

rief introduction of LBJ enterprise

利百家（山东）水处理设备有限公司始终以“让世界更洁净”为使命，以“为客户、股东、员工和社会创造价值，为世界环保事业做出贡献，成为世界一流的环保企业为愿景，以“诚信正直、坚持创新、激情敬业、团结合作、客户至上、成己达人”为价值观的企业精神，科学、系统的为客户提供优质的产品和服务，对全球净水创业者提供专业的技术培训和配件输出，目前已成为国内具有规模、具有实力的水处理设备提供商之一。

公司主营家用商用净水设备、反渗透纯水设备、软化水设备等，适用于生活饮用水、锅炉软化水、工业超纯水、实验室超纯水、餐饮酒店宾馆用水、学校单位直饮水、景观泳池处理、变频供水系统级中水回用、污水处理等领域，服务遍布工业生产、农业种植、畜牧养殖、医院、公司单位、学校、酒店宾馆、锅炉、家

庭等行业，凭借优秀的产品创新能力、全心全意的服务意识和扎根水处理行业的多年经验，必将引领企业迎来新的快速发展，为水处理行业注入新的活力！

Libaijia (Shandong) water treatment equipment Co., Ltd. has always been "make the world cleaner" For the mission of "creating value for customers, shareholders, employees and society, making contributions to the world's environmental protection cause, and becoming a world-class environmental protection enterprise" For the vision of "integrity, innovation, passion and dedication, unity and cooperation, customer first, become your own person" For the enterprise spirit of values, it provides high-quality products and services for customers scientifically and systematically, and provides professional technical training and accessories export for global water purification entrepreneurs. At present, it has become one of the domestic water treatment equipment suppliers with scale and strength.

The company is mainly engaged in household and commercial water purification equipment, reverse osmosis pure water equipment, softened water equipment, etc., which are suitable for domestic drinking water, boiler softened water, industrial ultra pure water, laboratory ultra pure water, catering and hotel water, school direct drinking water, landscape swimming pool treatment, frequency conversion water supply system level reclaimed water reuse, sewage treatment and other fields, services are all over the industrial production, agricultural planting, animal husbandry Breeding, hospitals, companies, schools, hotels, hotels, boilers, families and other industries, with excellent product innovation ability, wholehearted service consciousness and years of experience rooted in the water treatment industry, will lead enterprises to usher in new rapid development and inject new vitality into the water treatment industry!

[公司荣誉]

onor company

>山东省涉及饮用水卫生安全产品卫生许可批件 >商标证书

>专利证书

>营业执照

水处理设备应用领域

Application Field of water treatment equipment



食品加工 Food Processing

水质纯净、稳定、无菌等各项指标均达到企业或国家相关认证的标准。

Water quality purity, stability, sterility and other indicators have reached the enterprise or national certification standards.

主要用途：冷饮食品用水、禽、畜肉类加工用水、蔬菜精加工用水等。

Cold food water, poultry, meat processing water, vegetable processing water, etc.



电子工业 Electronics Industry

电子行业超纯水生产可以达到国家(GB/T11446.1-1997)要求电子级四级标准。

The production of ultrapure water in electronic industry can meet the national (GB / T11446.1-1997) level 4 standard.

主要用途：单晶硅半导体用水、集成电路块用水、液晶显示器用水等。

Water for single crystal Silicon Semiconductor, Integrated Circuit Block, Liquid Crystal Displays etc.



医药行业 Pharmaceutical industry

针对医药行业对高纯水的不同要求，针对性的设计出成套的高纯水设备，以满足药厂、医院纯水的制取、大输液制水的要求。

According to the different requirements of high purity water in pharmaceutical industry, a set of high purity water equipment is designed to meet the requirements of pharmaceutical factory and hospital.

主要用途：制造医药制剂用水、大输液用水、天然物质提取用水、中药饮品用水等。 Water used for manufacturing pharmaceutical preparations, water used for infusion, water used for extracting natural substances, water used for Chinese medicine drinks, etc.

水处理设备应用领域

Application Field of water treatment equipment



纺织造纸 TextilePaper

根据行业要求，制定符合行业用水的新工艺产品。

According to the requirements of the industry, the development of water industry in line with the new process.

主要用途：印染用水、喷水织机用水、造纸白水等。

Printing and dyeing water, waterjet loom water, paper white water, etc.



精细化工 Fine Chemicals

随着精细化工行业的快速发展，对水质的要求越来越高，我们公司提供的设备产品是您提高产品质量的最佳选择。

With the rapid development of fine chemical industry, the demand for water quality is higher and higher. The equipment products provided by our company are the best choice for you to improve product quality.

主要用途：化妆品、洗涤剂、生物工程、基因工程用水等。

Cosmetics, detergents, bio-engineering, genetic engineering water, etc.



酒类饮料 Alcoholic Beverages

水质纯净、稳定、无菌等各项指标均达到企业或国家相关认证的标准。

With the rapid development of fine chemical industry, the requirement of water quality is higher and higher. Our equipment is your best choice to improve the quality of your products.

主要用途：白酒、啤酒、葡萄酒、碳酸饮料、茶饮料、乳制品、保健品用水等。

White wine, beer, wine, carbonated drinks, tea drinks, dairy products, health products such as water.



循环冷却水 Circulating Cooling Water

循环冷却水水质的提升，可以增加设备使用寿命和减少排污水的水量，我们公司生产设备是您最好的选择。
Circulating Cooling Water Quality Improvement, can increase the service life of equipment and reduce the amount of sewage water, our company production equipment is your best choice.

反渗透水处理系列产品介绍

Introduction of RO water treatment series products



® LBJ-RO 系列 /

产品参数

	净水产水量 Purified water quantity	功率 Power	电源	Size 外形尺寸 cm (长/宽/高)
LBJ-RO-0.25K	250L/H	>1.1KW (+ 370W)	220V	80/75/155
LBJ-RO-0.5K	500L/H	>1.5KW (+ 370W)	220V/380V	80/75/155
LBJ-RO-0.75K	750L/H	>1.5KW (+ 550W)	220V/380V	80/75/155
LBJ-RO-1K	1000L/H	>2.2KW (+ 550W)	220V/380V	80/75/155

注：“功率（）”内数值为选择增加的原水泵的功率。



® LBJ-R。系列 / 产品参数

	净水产水量 Purified water quantity	功率 Power	电源	Size 外形尺寸 cm (长/宽/高)
LBJ-RO-0.5KH	500L/H	>1.5KW (+ 370W)	220V/380V	主机 150/68/130 预处理 80/45/160
LBJ-RO-0.75KH	750L/H	>1.5KW (+ 550W)	220V/380V	主机 150/68/130 预处理 80/45/160
LBJ-RO-1KH	1000L/H	>2.2KW (+550W)	220V/380V	主机 150/68/130 预处理 80/45/160
LBJ-RO-2KH	2000L/H	>3.0KW (+1.1KW)	380V	主机 260/65/143 预处理 100/50/180

注： " 功率 () " 内数值为选择增加的原水泵的功率。

反渗透水处理系列产品介绍

Introduction of RO water treatment series products



® LBJ-RO-A 系列 /

产品参数

	净水产水量 Purified water quantity	功率 Power	电源	Size 外形尺寸 cm (长/宽/高)
LBJ-RO-0.25KHG-A	250L/H	>1.1KW (+ 370W)	220V	160/70/167
LBJ-RO-0.5KHG-A	500L/H	>1.5KW (+ 370W)	220V/380V	160/70/167
LBJ-RO-0.75KHG-A	750L/H	>1.5KW (+550W)	220V/380V	160/70/167
LBJ-RO-1KHG-A	1000L/H	>2.2KW (+550W)	220V/380V	160/70/167

注： “ 功率 () ” 内数值为选择增加的原水泵的功率。



® LBJ-RO-B 系列 / 产品参数

	净水产水量 Purified water quantity	功率	电源	Size 外形尺寸 cm (长/宽/高)
LBJ-RO-0.25KHG-B	250L/H	>1.1KW(+ 370W)	220V	160/70/167
LBJ-RO-0.5KHG-B	500L/H	>1.5KW (+ 370W)	220V/380V	160/70/167
LBJ-RO-0.75KHG-B	750L/H	>1.5KW (+550W)	220V/380V	160/70/167
LBJ-RO-1KHG-B	1000L/H	>2.2KW (+550W)	220V/380V	160/70/167

反渗透水处理系列产品介绍

Introduction of RO water treatment series products



® LBJ-RO — C 系列 /

产品参数

	净水产水量 Purified water quantity	功率 Power	电源	Size 外形尺寸 cm (长/宽/高)
LBJ-RO-0.25KHG-C	250L/H	>1.1KW (+ 370W)	220V	160/70/167
LBJ-RO-0.5KHG-C	500L/H	>1.5KW (+ 370W)	220V/380V	160/70/167
LBJ-RO-0.75KHG-C	750L/H	>1.5KW (+ 550W)	220V/380V	160/70/167
LBJ-RO-1KHG-C	1000L/H	>2.2KW (+ 550W)	220V/380V	160/70/167

注：“功率（）”内数值为选择增加的原水泵的功率。



® LBJ-RO-D 系列

产品参数

	净水产水量 Purified water quantity	功率	电源	Size 外形尺寸 cm (长/宽/高)
LBJ-RO-0.25KHG-D	250L/H	>1.1KW (+ 370W)	220V	160/70/167
LBJ-RO-0.5KHG-D	500L/H	>1.5KW (+ 370W)	220V/380V	160/70/167
LBJ-RO-0.75KHG-D	750L/H	>1.5KW (+550W)	220V/380V	160/70/167
LBJ-RO-1KHG-D	1000L/H	>2.2KW (+550W)	220V/380V	160/70/167

反渗透水处理系列产品介绍

Introduction of RO water treatment series products



®单级反渗透系列/

⑦军用高强度车载系列/



产品参数

	净水产水量	功率	电源	Size 外形尺寸 cm (长/宽/高)
LBJ-RO-0.25X	250L/H	>1.1KW (+ 370W)	220V	66/70/177
LBJ-RO-0.5X	500L/H	>1.5KW (+ 370W)	220V/380V	66/70/177
LBJ-RO-0.75X	750L/H	>1.5KW(+ 550W)	220V/380V	66/70/177
LBJ-RO-1X	1000L/H	>2.2KW (+ 550W)	220V/380V	110/80/177

反渗透水处理系列产品介绍

Introduction of RO water treatment series products

®大型反渗透系列/



灌装设备

Filling equipment

灌装设备，主要是包装机中的一类产品，从对物料的包装角度可分为液体灌装机、膏体灌装机、粉剂灌装机、颗粒灌装机；从生产的自动化程度来讲，分为半自动灌装机和全自动灌装生产线。

Filling equipment, mainly a kind of product in packaging machine, can be divided into liquid filling machine, paste filling machine, powder filling machine and particle filling machine from the perspective of material packaging; from the perspective of production automation, it can be divided into semi-automatic filling machine and full-automatic filling production line.

Working principle

L 洗瓶：洗瓶经过五个工位，第一工位采用二氧化氯(CLO₂)溶洗涤消毒，冲洗时间可调，第一工位时间为12S，第二工位为12S,第三工位为12S,第四工位为纯水清洗，时间可根据需求不同可调,第五工位是将冲洗干净的桶内的残留水分晾干。

1. Bottle washing: after five stations, the first station adopts chlorine dioxide (ClO₂) solution washing and disinfection, and the washing time is adjustable. The first station is 12s, the second station is 12s, the third station is 12s, the fourth station is pure water cleaning, and the time can be adjusted according to different needs. The fifth station is to air clean the residual water in the washed barrel.

2. 灌装：晾干净的桶通过链条输送机构的输送，落在扶桶机构上，扶桶机构将空桶扶正，灌装阀压正,开始灌装，灌装时间可根据灌装泵的流量进行调节。

2. Filling: the dried barrel is transported by the chain conveying mechanism and falls on the bucket supporting mechanism, which straightens the empty barrel and pressurizes the filling valve to start filling. The filling time can be adjusted according to the flow of the filling pump.

3. 灌装和压盖：当灌装结束后,出桶传动机构将灌满水的桶送至理盖机套盖，套好盖的桶传至压盖机构时压盖气缸将瓶盖压紧,至此，一个洗灌周期完成。

3. Filling and capping: when the filling is finished, the bucket driving mechanism will send the bucket filled with water to the capping machine cover, and the bucket with cover will be transferred to the capping mechanism, when the capping cylinder will compress the bottle cover, so far, a washing and filling cycle is completed.



热收缩机
Heat shrinking machine

检漏机
Leak tester

全自动外刷
通机
Automatic external brasher

全自动内刷
桶机
Automatic Internal brasher

全自动拔
盖机
Automatic decapper

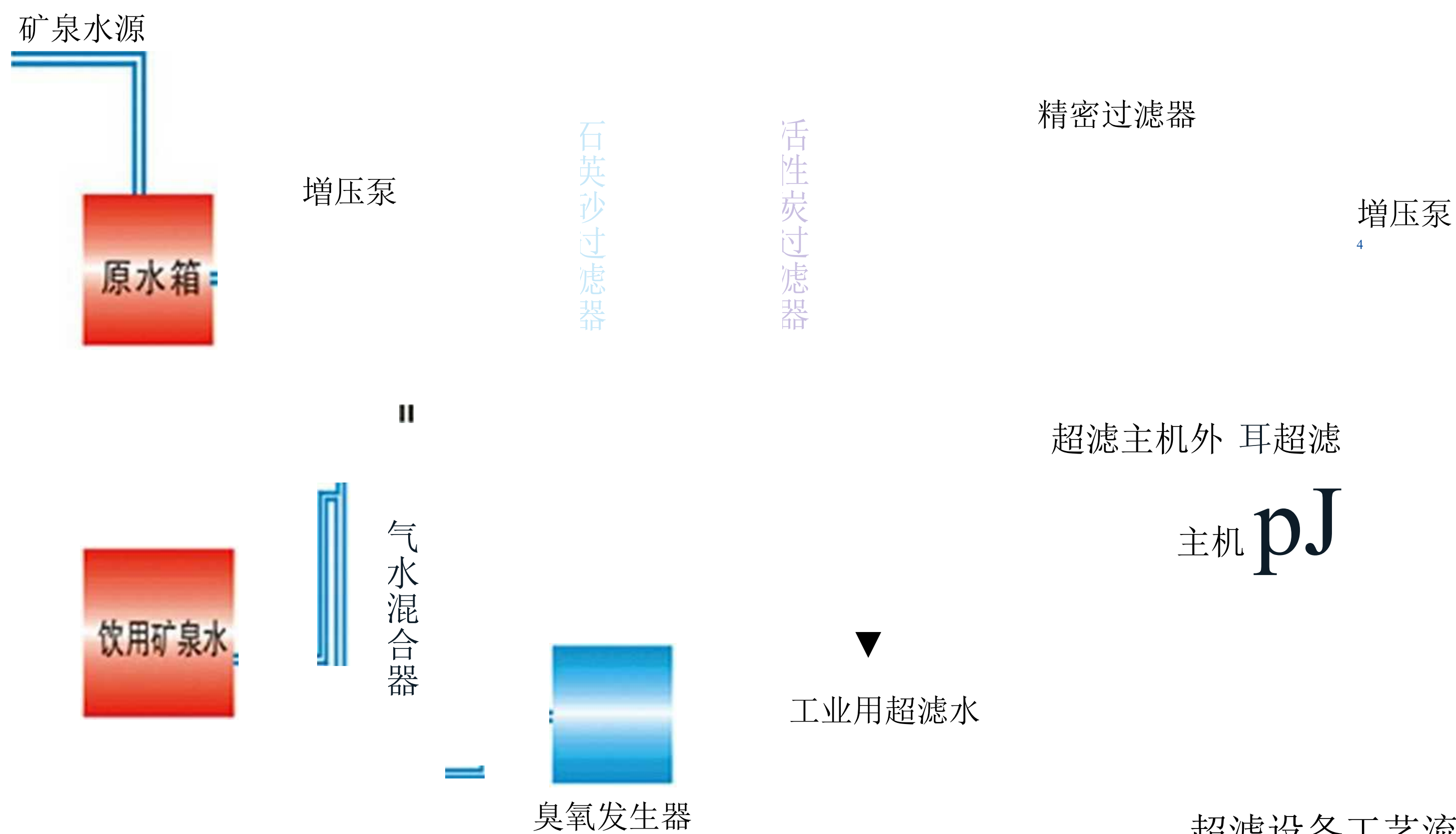
超滤设备

Ultrafiltration equipment

超滤(简称 UF):是以压力为推动力,利用超滤膜不同孔径对液体进行分离的物理筛分过程。其分子切割量(CWCO)一般为 6000 到 50 万,孔径为 100nm (纳米)。超滤膜主要分为卷式、板框式、管式和中空纤维式。其中,中空纤维式是国内应用最为广泛的一种,其典型特点为没有膜的支撑物,靠纤维管的本身强度来承受工作压力。根据膜的致密层是在中空纤维的内表面或者外表面,分为内压式和外压式。现在应用的全为外压式,其主要优点为单位容积内装填的有效膜面积大,且占地面积小。

Ultrafiltration (UF): Pressure as the driving force, the use of different pore size ultrafiltration membrane to separate liquid physical screening process. Its molecular cutting capacity (CWCO) is generally 6000 to 500,000, aperture is 100 NM (NM). Ultrafiltration membrane is mainly divided into coil type, plate-frame type, tube type and hollow fiber type. Among them, the hollow fiber type is the most widely used in China, its typical feature is no membrane support, depending on the strength of the fiber tube to bear the working pressure. According to the dense layer of the membrane is the inner surface or the outer surface of the hollow fiber, which is divided into inner pressure type and outer pressure type. The present application is all external pressure type, the main advantages of which are large effective film area filled per unit volume, and small footprint.

Technological process



超滤设备工艺流程图



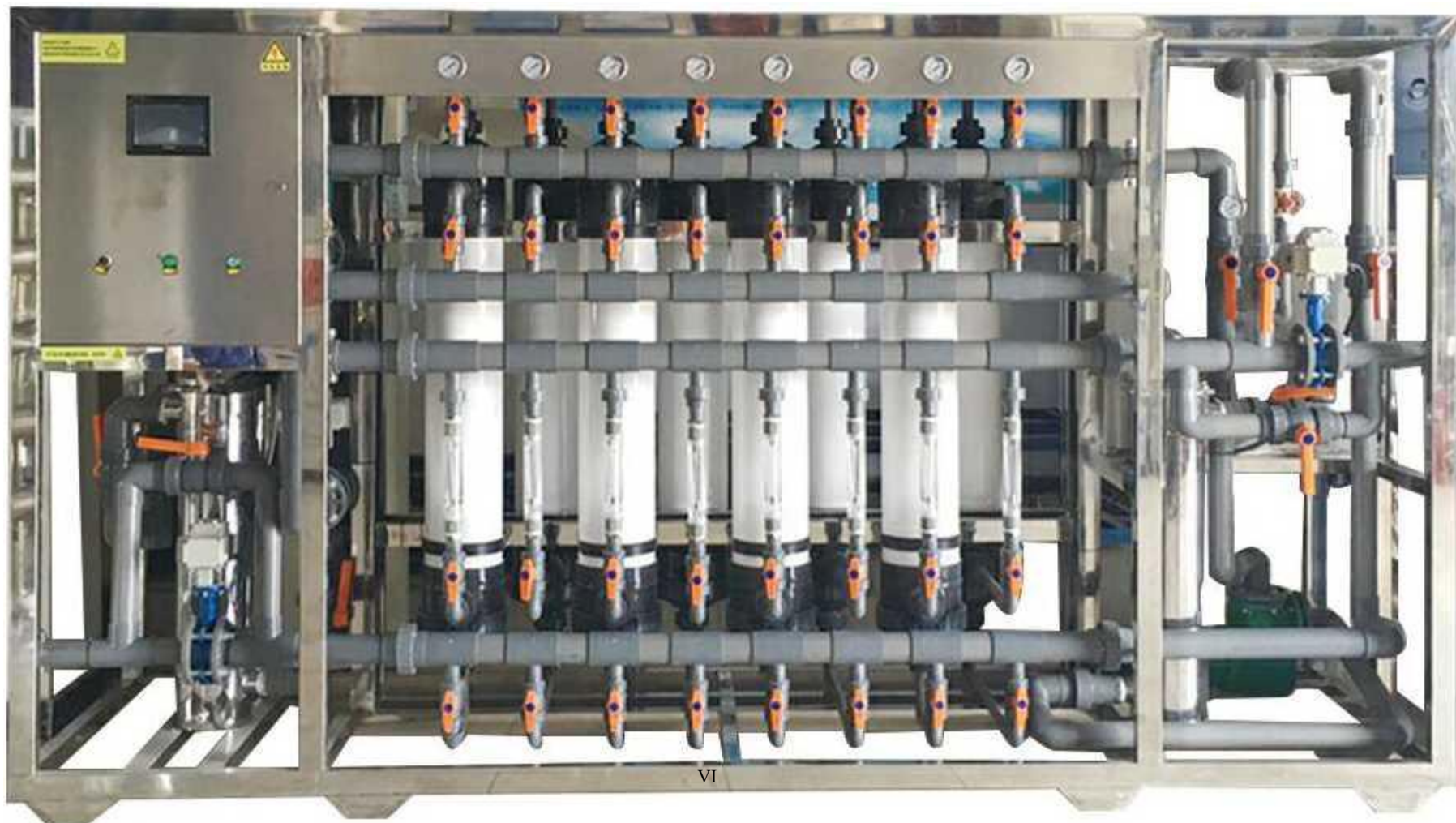
应用范围

○ 饮用水（自来水） 60%

大工业水处理 18%

中水、污水、废水处理 15%

○ 食品、饮料、医药、电子、纺织、造纸等及其他轻工业 7% 其中，膜技术在水处理方面的应用，大约占膜市场的 90% 另外 10% 的膜应用于过程工业的分离



Performance characteristics

1. 分离过程无相变化，因此节约能源。

1. There is no phase change in the separation process, thus saving energy.

2. 分离在常温下进行，适合于一些热敏感性物质（如果汁、药品、生物制剂）的浓缩和提纯。

2. The separation is carried out at room temperature and is suitable for the concentration and purification of some heat-sensitive substances such as fruit juices, pharmaceuticals and biological preparations.

3. 系列化的超滤膜，可将多组份的大分子溶液体系实行分子量分级。

3. A series of ultrafiltration membranes can be used to grade the molecular weight of multi-component macromolecular solution system.

4. 设备简单，易于操作、管理和维修。

4. The equipment is simple and easy to operate, manage and maintain.

5. 超滤是一个由高分子聚合物制成的均匀连续体，在使用过程中，膜本身无任何碎屑或微粒脱落。

5. Ultrafiltration is a homogeneous continuum made of polymer, in the process of use, the membrane itself without any debris or particles off.

软化水设备

Water softener

®软化水应用 Application of softened water

1) .全自动控制:模块程序控制自动进行供水、吸盐、再生、反洗、正洗等过程,真正实现无人管理。具有独特的工作状态显示盘,工作状态一目了然。

1. Automatic Control: The module program controls the process of water supply, salt absorption, regeneration, backwashing, washing and so on. With a unique working status display panel, working status at a glance.

2) .连续稳定的供水:综合水质情况,具有记忆固化功能,模糊程序控制,选择最佳再生时间及再生耗盐量、只要稍作调整即可适合各地水质。

2. Continuous and stable water supply: Comprehensive Water Quality, with memory curing function, mould and process control, choose the best regeneration time and regeneration salt consumption, with a little adjustment can be suitable for water quality.

3) .可靠紧凑的结构:带有易压紧密封圈循环阀头,与软水器结合成一体,节省安装空间,提高运行可靠性。

3. Reliable and compact structure: The circulation valve head with easy pressure seal ring is integrated with the water softener to save installation space and improve operation reliability.

4) .动态盐水生成系统:可自动溶盐、补水、自动逆流吸盐,确保可靠地自动再生。

4. DYNAMIC SALTWATER GENERATION SYSTEM: it can dissolve salt, make up water and absorb salt by counter current automatically, ensuring reliable and automatic regeneration.

5) .均匀的布水系统:采用自净式高、低位布水器,提高罐体内的均匀水流,耐冲击结构,高效利用树脂,防止树脂流失。

5. UNIFORM WATER DISTRIBUTION SYSTEM: ADOPT SELF-PURIFICATION HIGH AND LOW position water distributor, improve the uniform water flow in the tank body, impact-resistant structure, efficiently use resin, prevent resin loss.

6) .超强抗腐蚀性能:采用玻璃钢及工程塑料结构,避免再生剂和恶劣环境对设备腐蚀,全封闭系统,无泄露。

6. Super anti-corrosion performance: ADOPT FRP and engineering plastic structure, avoid regenerant and bad environment to corrosion of equipment, completely closed system, no leakage.

7) .非常简单的操作:备有自动、手动双重功能,日常自动运行。

7. Very simple operation: with automatic, manual dual function, daily automatic operation.

8) .极低的能量消耗：符合环保要求的控制头电耗极低。

8. Very low energy consumption: environmentally friendly control heads use very little power.

9) .灵活的设计选型：有多种规格可供选择，造型美观大方，满足用户各种要求。

9. Flexible Design Selection: There are a variety of specifications to choose from, beautiful shape generous, to meet user requirements.

▶ 小型软化设备系列



® 大型软化设备系列



EDI 设备优点 EDI equipment advantages

无需酸碱再生：在混床中树脂需要用化学药品酸碱再生，而 **EDI** 则消除了这些有害物质的处理和繁重的工作。保护了环境。

连续、简单的操作：在混床中由于每次再生和水质量的变化，使操作过程变得复杂，而 **EDI** 的产水过程是稳定的连续的，产水水质是恒定的，没有复杂的操作程序，操作大大简化。

降低了安装的要求：**EDI** 系统与相当处理水量的混床相比，有较小的体积，它采用积木式结构，可依据场地的高度和灵活地构造。模块化的设计，使 **EDI** 在生产工作时能方便维护。

No need for acid-base regeneration: in the mixed bed, the resin needs to be regenerated with chemical acid-base, while EDI eliminates the treatment of these harmful substances and heavy work. It protects the environment

Continuous and simple operation: due to each regeneration and water quality change in the mixed bed, the operation process becomes complex, while EDI water production process is stable and continuous, and the water quality is constant, without complex operation procedures, the operation is greatly simplified.

The installation requirements are reduced: EDI system has a smaller volume compared with the mixed bed with the same water treatment capacity. It adopts the building block structure and can be flexibly constructed according to the height of the site and the inspection. Modular design makes EDI easy to maintain in production.

®应用领域/ application area 1、电厂化学水处理；

1. Chemical water treatment of power plant;
- 2、电子、半导体、精密机械行业超纯水；
2. Ultra pure water in electronics, semiconductor and precision machinery industries;
- 3、食品、饮料、饮用水的制备；
3. Preparation of food, beverage and drinking water;
- 4、小型纯水站，团体饮用纯水；
4. Small pure water station, group drinking pure water;
- 5、精细化工、精尖学科用水；
5. Water for fine chemicals and fine disciplines;
- 6、其他行业所需的高纯水制备；
6. High purity water preparation required by other industries;
- 7、制药工业工艺用水；
7. Process water for pharmaceutical industry;



离子交换混床设备

Ion Exchange mixing bed equipment

Equipment advantages



- 1、出水水质优良，出水 pH 值接近中性。
1. The quality of effluent is excellent, and the pH value of effluent is close to neutral.
- 2、出水水质稳定，短时间运行条件变化(如进水水质或组分、运行流速等)对混床出水水质影响不大。
2. The outlet water quality is stable, and the change of short-term operation conditions (such as inlet water quality or components, operation flow rate, etc.) has little effect on the outlet water quality of the mixed bed.
- 3、 间断运行对出水水质的影响小，恢复到停运前水质所需的时间比较短。
3. The impact of intermittent operation on the effluent quality is small, and the time required to recover to the water quality before shutdown is relatively short.
- 4、 回收率达到 100%。
4. The recovery rate reaches 100%.

Application scope

一般放置在电渗析器或反渗透装置之后(或直接应用于含盐量较低的水)，对水进一步脱盐可制取较高纯水，广泛使用于电子、化工、医药、原子能、电力等行业。

Generally, it is placed behind the electrodialysis device or reverse osmosis device (or directly applied to water with low salt content). Further desalination of water can produce higher pure water, which is widely used in electronic, chemical, pharmaceutical, atomic energy, electric power and other industries.



超纯水设备

Ultra pure water equipment

超纯水设备是反渗透设备跟离子交换混床或 EDI 相结合配套使用，离子交换混床是通过离子交换树脂在电解质溶液中进行的，可去除水中的各种阴、阳离子，是目前制备高纯水工艺流程中不可替代的手段。离子交换器分为阳离子交换器、阴离子交换器等。当原水通过离子交换柱时，水中的阳离子和水中的阴离子 (HCO_3^- 等离子与交换柱中的阳树脂的 H^+ 离子和阴树脂的 OH^- 离子进行交换从而达到脱盐的目的。阳、阴混柱的不同组合可使水质达到更高的要求。

Ultra pure water equipment is a combination of reverse osmosis equipment and ion exchange mixed bed or EDI. The ion exchange mixed bed is carried out in the electrolyte solution through the ion exchange resin, which can remove various anions and cations in the water. It is an irreplaceable means in the current process of preparing high-purity water. The ion exchanger is divided into cation exchanger and anion exchanger. When the raw water passes through the ion exchange column, the cations and anions (HCO_3^- plasma) in the water are exchanged with the H^+ ions of the cation resin and the OH^- ions of the anion resin in the exchange column, so as to achieve the purpose of desalination. The different combination of positive and negative mixed columns can make the water quality reach higher requirements.

Equipment characteristics

- 1: 整体化程度高, 易于扩展, 增加膜数量即可增加处理量。
1: high degree of integration, easy to expand, increasing the number of membrane can increase the processing capacity.
- 2: 自动化程度高, 遇故障立即自停, 具有自动保护功能。
2: high degree of automation, automatic stop in case of failure, with automatic protection function.
- 3: 膜组件为复合膜卷制而成, 表现出更高的溶质分离率和透过速率。
3: the membrane module is made of composite membrane, showing higher solute separation rate and transmission rate.
- 4: 能耗低, 水利用率高, 运行成本低。
4: low energy consumption, high water utilization rate and low operation cost.





酒店，宾馆各场所纯净水设备

Purified water equipment for hotels and guest houses

纯净水，简称净水或纯水，是纯洁、干净，不含有杂质或细菌的水，是以符合生活饮用水卫生标准的水为原水，通过电渗析器法、离子交换器法、反渗透法、蒸餾法及其他适当的加工方法制得而成，密封于容器内，且不含任何添加物，无色透明，可直接饮用。市场上出售的太空水，蒸餾水均属纯净水。纯水器的出水水质卫生要求应符合中华人民共和国卫生部 1998 年颁布《反渗透饮水处理装置卫生安全与功能评价规定》中的要求。

Pure water, or pure water for short, is pure, clean, free from impurities or bacteria, and is raw water that meets the sanitary standards for drinking water. It is made by ELECTRODIALYSIS, ion exchange, reverse OSMOSIS, distillation and other appropriate processes, and is sealed in a container without any additives, colorless and transparent, and can be drunk directly. Space Water on the market, distilled water are pure water. The sanitary requirements for effluent quality of water purifiers shall comply with the requirements of the Ministry of Health of the People's Republic of China promulgated in 1998 as the hygienic safety and function evaluation regulations for reverse osmosis drinking water treatment plants.



商用反渗透纯水机



®酒店、单位专用纯水直饮设备/

家用净水器

家用净水器的好处

Benefits of home water purifier Household water purifier

一是过滤杂质。把自来水中的细菌、病毒以及钙镁等重金属、铁锈、泥沙等过滤掉，让人喝道健康的，符合国家卫生标准的水。在水质比较硬的地区，净水器还能显著改善水的口感。

二是保留有益矿物质。这是相对于纯水机来说的好处，它不像纯水机过滤掉一切其他物质而是保留了对身体有益的矿物质，防止人体微量元素缺乏。

三是水新鲜而且成本不高。城市里普遍使用的饮水机桶装水，由于装水时间不确定，塑料桶材质不合格、不消毒等原因，再加上小家庭短期内喝不完一大桶水，使得水很容易变质特别是在炎热的夏季。纯净水就在家里净化，打开龙头，随时可以喝上新鲜的水。相对于桶装水他，它的成本也不高。

One is to filter impurities. Filter out bacteria, viruses, heavy metals such as calcium and magnesium, rust and sediment in tap water to make people drink healthy water that meets the national health standards. In areas with hard water quality, the water purifier can significantly improve the taste of water.

The second is to retain beneficial minerals. This is relative to the benefits of pure water machine, it is not like pure water machine to filter out all other substances, but to retain the minerals beneficial to the body, to prevent the lack of trace elements in the human body.

Third, the water is fresh and the cost is not high. Bottled water is widely used in the city. Due to the uncertainty of water filling time, plasticThe reason of unqualified barrel material and non disinfection, together with the fact that the small family can't finish drinking a large barrel of water in a short time, makes the water easy to deteriorateEspecially in the hot summer. Pure water is purified at home, turn on the tap, and you can drink fresh water at any time. Be relative toThe cost of bottled water is not high.



车用尿素生产设备

Urea production equipment for vehicles

据相关资料显示:截止到 2015 年,中国汽车拥有量超过 1 亿 5000 万辆,并以 3000 万辆/年的速度增长(其中,重型卡车的保有量为 125 万辆)。

按重型卡车每年使用 2 吨车用尿素(市场价, 4000 元/吨), 1 年的市场高达 100 亿!

按每辆汽车每年加入 14 公斤玻璃水(市场价, 6 元/公斤), 1 年的市场高达 126 亿!

按每辆车每年加入 4 公斤防冻液(市场价, 7 元/公斤), 1 年的市场高达 42 亿。

再加上机头水, 高泡洗车香波、高效清洁剂、轮胎增亮剂的综合市场。

According to relevant data: by 2015, China's car ownership has exceeded 150 million, and the growth rate is 30 million / year (including 1.25 million heavy trucks).

According to heavy trucks, 2 tons of vehicle urea are used every year (market price, 4000 yuan / ton), and the market in one year is up to 10 billion!

Add 14 kg of glass water (market price, 6 yuan / kg) per car every year, and the market will reach 12.6 billion yuan in one year!

Add 4 kg antifreeze per vehicle per year (market price, 7 yuan / kg) and the market will reach 4.2 billion in one year.

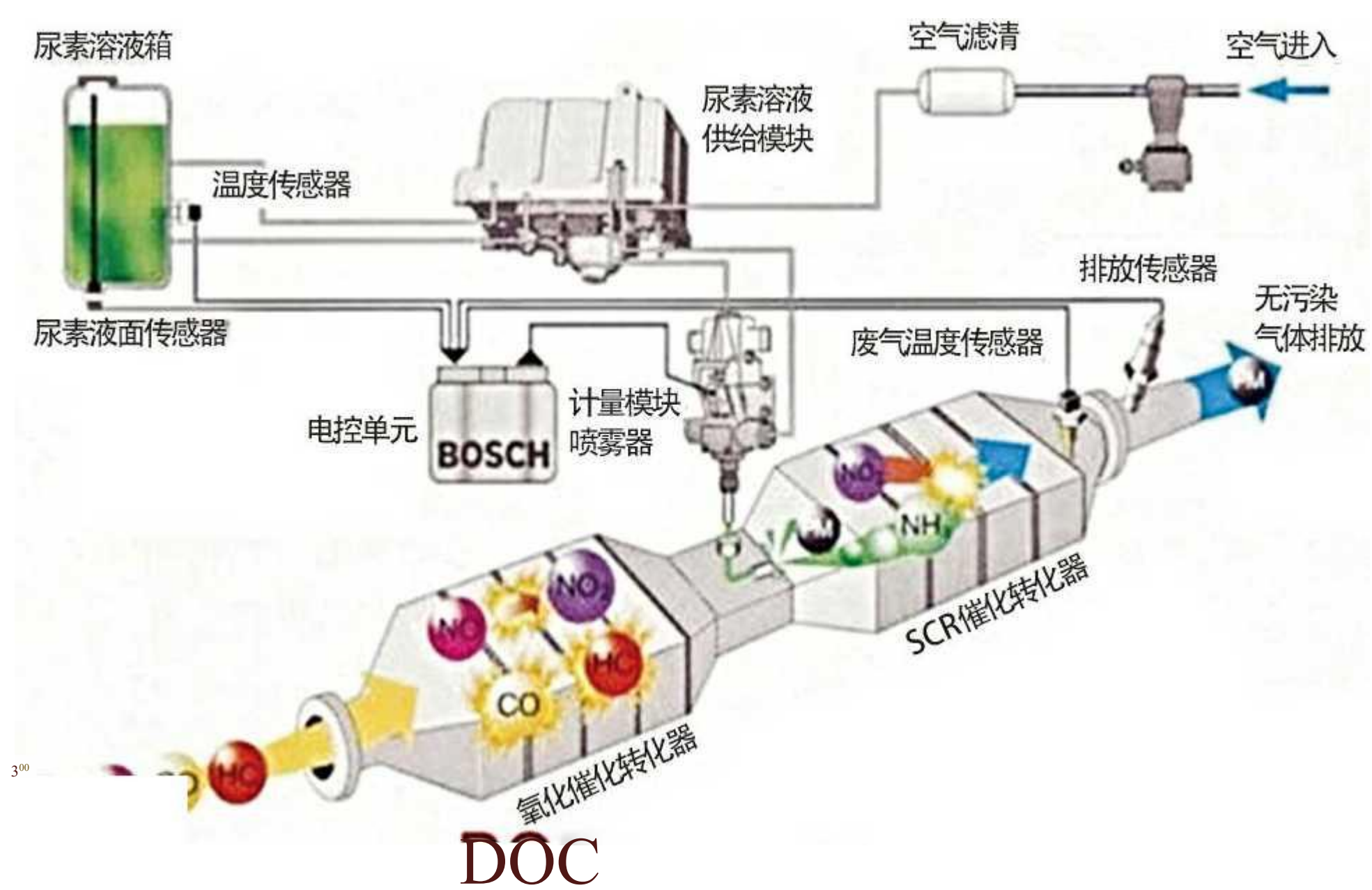
In addition to the machine head water, high foam Car Wash Shampoo, efficient detergent, tire brightener comprehensive market.

1



® 车用尿素流程图 /

Flow chart of vehicle urea



无负压变频供水设备

No negative pressure frequency conversion water supply equipment

无负压供水设备是以市政管网为水源，充分利用了市政管网原有的压力，形成密闭的连续接力增压供水方式，节能效果好没有水质的二次污染，是变频恒压供水设备的发展与延伸。在市政管网压力的基础上直接叠压供水，节约能源，并且还具有全封闭、无污染，占地量小、安装快捷、运行可靠、维护方便等诸多优点。

The non negative pressure water supply equipment takes the municipal pipe network as the water source, makes full use of the original pressure of the municipal pipe network, forms a closed continuous relay pressurized water supply mode, has good energy-saving effect and no secondary pollution of water quality, and is the development and extension of variable frequency constant pressure water supply equipment. On the basis of the pressure of municipal pipe network, the water supply is directly superposed to save energy, and has many advantages such as totally closed, pollution-free, small land occupation, fast installation, reliable operation,

适用范围 / Scope of application

convenient maintenance, etc.

高层建筑、居民小区、别墅等居民生活用水；

High rise buildings, residential areas, villas and other residential water;

企事业单位、宾馆、写字楼、百货商场，医院、学校，体育馆，高尔夫球场，机场等场所的日常用水； Daily water use in enterprises, hotels, office buildings, department stores, hospitals, schools, gymnasiums, golf courses,

生产制造、洗涤装置、良口工业、工厂、工矿的生产用水；

airports and other places;

Production water for manufacturing, washing equipment, food industry, factory, industry and mine;

已建好的水池，可以采用无负压供水设备与水池共用的供水方式，进一步节能；

For the built pool, the water supply mode shared by the non negative pressure water supply equipment and the pool can be adopted to further save energy;

对原有气压供水设备进行改造，可以充分利用原有的气压罐；

The original air pressure water supply equipment can be reformed to make full use of the original air pressure tank;

各种循环系统，自来水管的中间加压泵站。

Various circulating systems, intermediate booster pump station of water plant.



游泳池循环水过滤设备

Circulating water filtration equipment of swimming pool

®游泳池循环水设备说明/

Swimming pool circulating water equipment description

毛发收集器:用于去除水中毛发、纤维和大颗粒杂物。

Hair collector: used to remove hair, fibers and large particles in water.

循环水泵: 为水的循环提供动力。

Circulating water pump: provide power for water circulation.

石英砂过滤器:游泳池水处理的主要设备, 采用均质石英砂滤料, 处理水量大, 操作简便可靠。

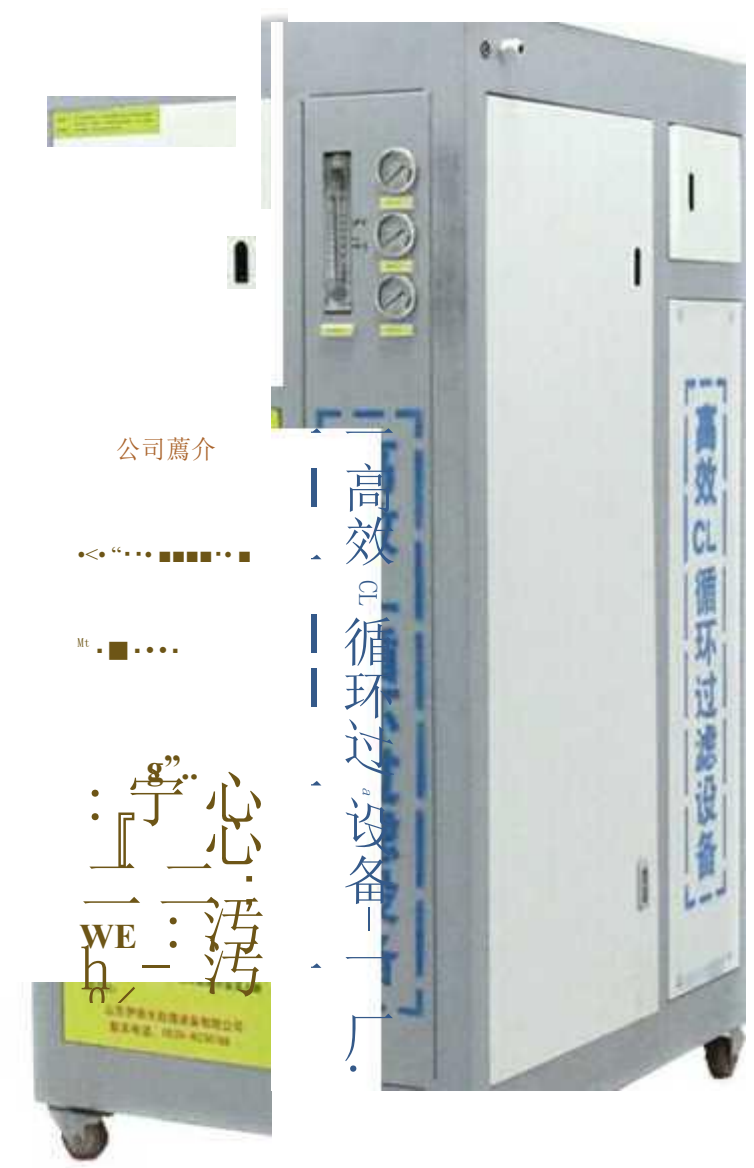
Quartz sand filter: the main equipment for water treatment of swimming pool, which adopts homogeneous quartz sand filter material, with large water treatment capacity and simple and reliable operation.

加药装置:由溶解箱、溶液箱、计量泵组成, 用于投放加混凝剂、除藻剂、定期投加, 去除藻类, 并使池水呈现美观的蔚蓝色。

Dosing device: it is composed of dissolving tank, solution tank and metering pump. It is used to add coagulant, algicide, add regularly, remove algae, and make the pool water beautiful and blue.

消毒器: 可自由采用加氯、加臭气、二氧化氯消毒器投加氯片等方式方法。

Sterilizer: free to use chlorine, odor and chlorine dioxide sterilizerMethods of adding chlorine tablet, etc.

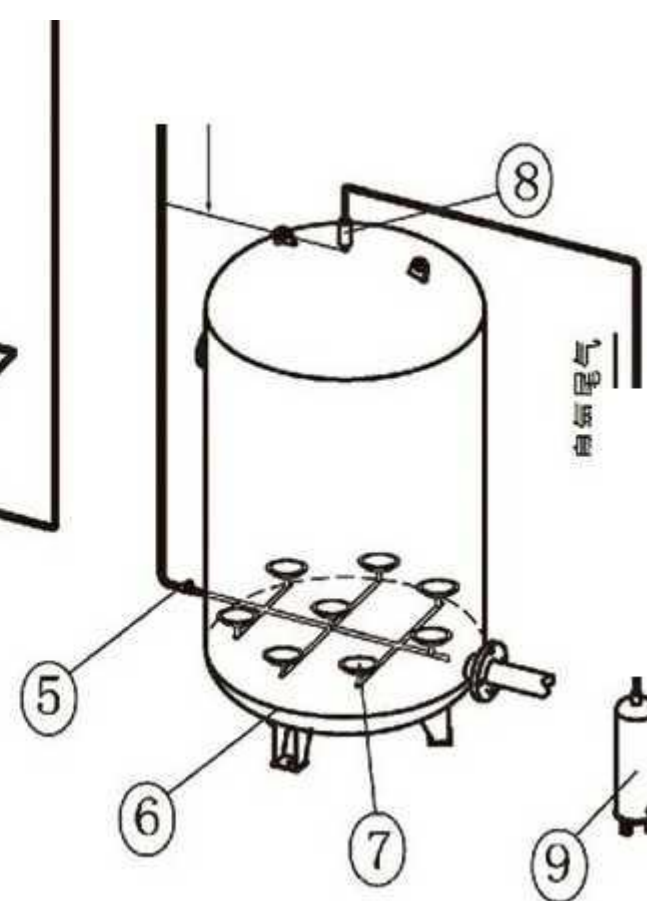
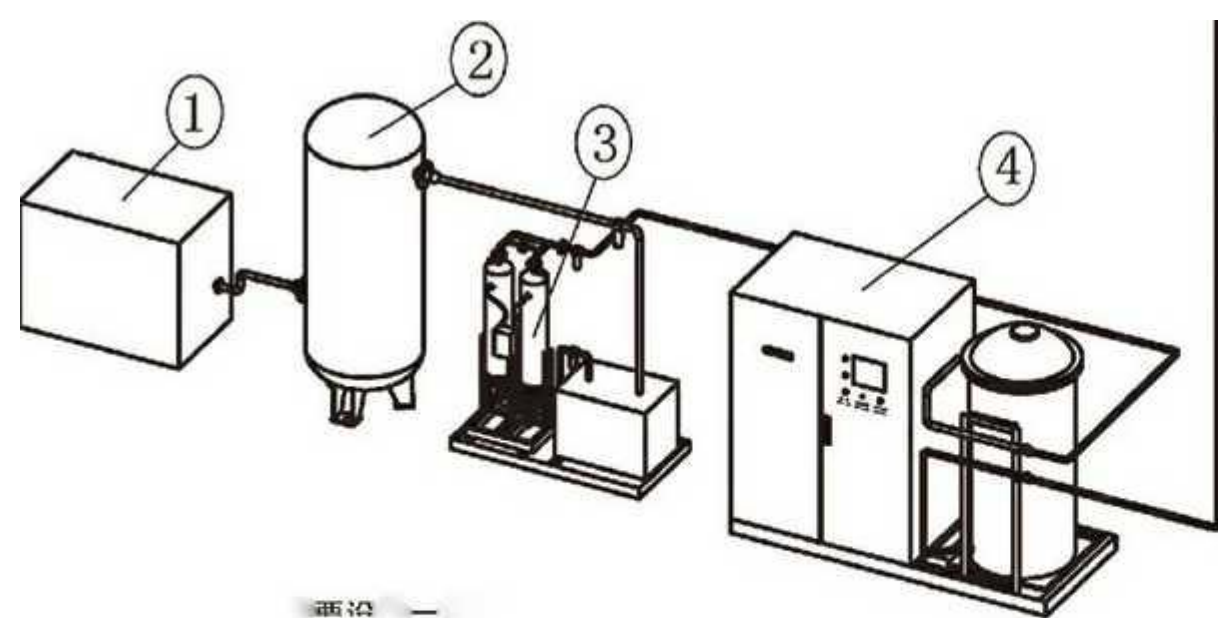


臭氧发生器紫外线杀菌设备

Ozone generator ultraviolet sterilization equipment

采用特殊设计的高效率、高强度和长寿命的紫外线杀菌装置产生的强紫外线照射流水，当水中的细菌、病菌、藻类生物等受到一定剂量的紫外线照射后，其细胞的 DNA/RNA 结构被破坏，细胞再生无法进行，细菌病菌丧失自我复制的能力，从而达到水体的消毒和净化目的。经紫外线杀菌消毒系统处理过的海水、淡水或者其他水体，其各式病菌、细菌除去率可达到来 99.99% 以上。

The strong ultraviolet radiation produced by a specially designed ultraviolet bactericidal device with high efficiency, high intensity and long life is used to irradiate water. When the bacteria, bacteria and algae in the water are exposed to certain dose of ultraviolet radiation, the DNA / RNA structure of the cells is destroyed, cell regeneration can not be carried out, the bacteria lose the ability of self-replication, thus achieving the goal of water disinfection and purification. The removal rate of all kinds of bacteria and bacteria can reach 99.99% in



序号	名称	材质	数量	单位	备注
1	空压机		1	台	
2	储气罐	碳钢	1	台	
3	气源处理系统		1	套	集成冷干机、吸干机和过滤器
4	空气源臭氧发生器	电极管 316L	1	台	
5	止回阀	304	1	只	
6	反应罐	304/316L	1	台	
7	曝气盘	钛合金	N	只	根据气量确定数量
8	自动排气阀	304	1	只	
9	尾气破坏器	304	1	台	

seawater, fresh water or other water treated by ultraviolet disinfection system.

空气源水处理示意图

Air shower room

紫外线杀菌器的应用范围

UV sterilizer applications

各类污水、给水、中水、地表水、地下水、纯水、净水、景观水、泳池水及海水等各种水质的杀菌消毒。

All kinds of sewage, water, water, surface water, groundwater, pure water, clean water, landscape water, Swimming Pool Water and sea water and other water quality sterilization.

紫外线杀菌灯 / Ultraviolet germicidal lamp



®过流式紫外线杀菌器之饮用水紫外线消毒设备 /

Ultraviolet disinfection equipment for drinking water of over flow ultraviolet sterilizer

型号

额定流量

UV 灯功率

进出水

外壳尺寸

管径

L 长

D

H 高

	m ³ /h	GPM	W	in	mm	mm	mm
UV-D08	0.20	0.8	8W	1/4 "	220	38	55
UV-S01	0.30	1	low	1/4 "	270	51	71
UV-S02	0.45	2	14W	1/2 "	350	63	88
UV-S03	0.68	3	17W	1/2 "	360	63	88
UV-S06	1.36	6	21W	3/4 "	490	63	88
UV-S08	1.81	8	28W	3/4 "	600	63	88
UV-S12	2.71	12	40W	3/4 "	906	63	88

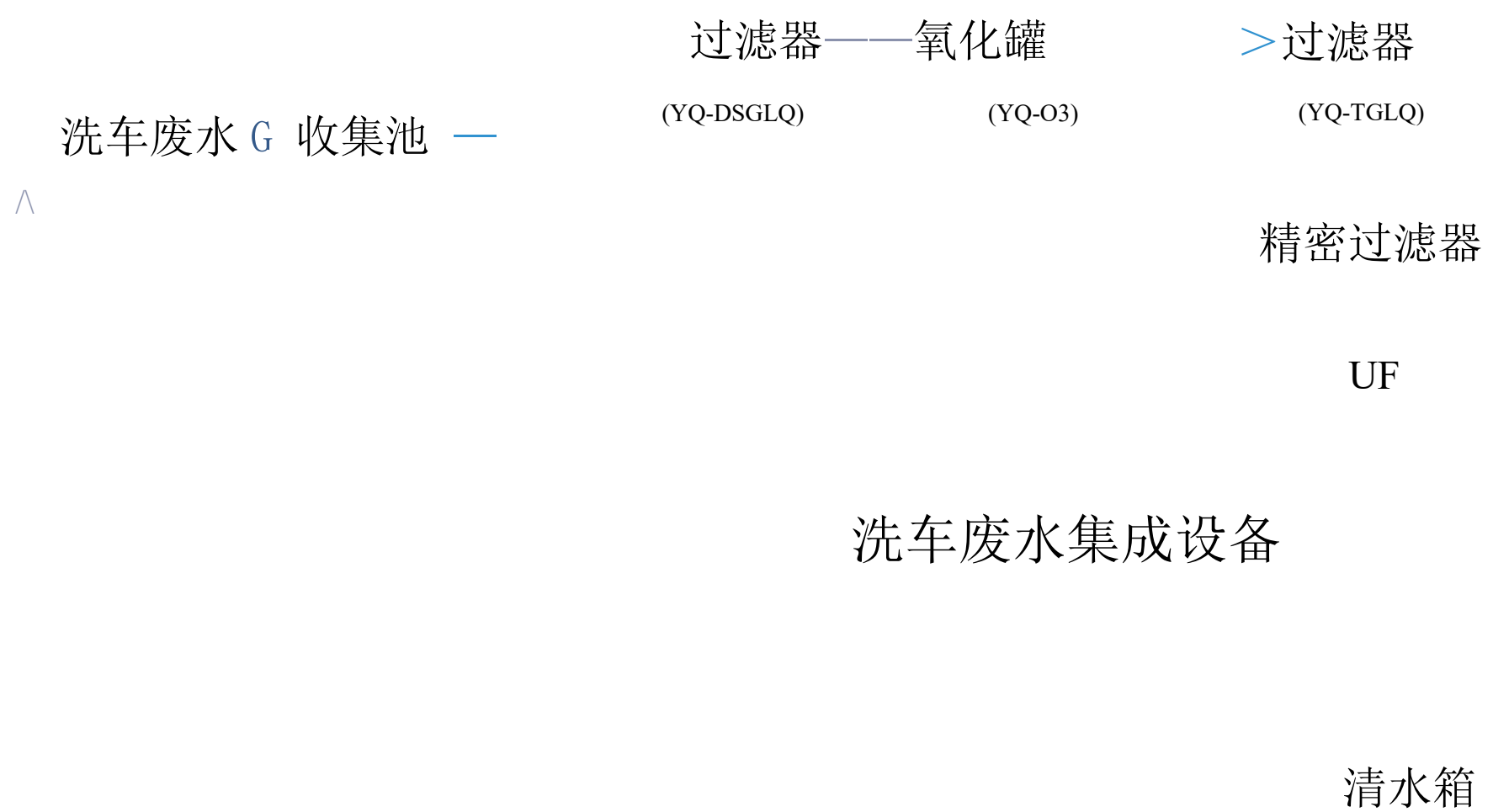
洗车废水集成设备

Integrated equipment for car washing wastewater

Process introduction

“BAC+膜处理”汽车废水处理方法，在废水经过过滤器进行初步过滤，将水中大分子不溶水物质初步过滤，再进入氧化罐进行氧化处理，为了更好地发挥臭氧的氧化作用，采用的曝气器更好地是水和臭氧充分反应，将大分子有机物氧化为小分子有机物，更有利于后面活性炭的吸收和活性炭表面微生物的降解，由于活性炭表面的微生物降解有机物的机理，致使延长活性炭的再生周期。通过活性炭过滤器的吸附降解过滤后的水再经过过滤器和超滤进行进一步处理，由于前面双层预处理工艺，精密过滤器的更换周期及膜的清洗周期进一步延长，避开了该处理阶段存在的问题。

"BAC + membrane treatment" is a treatment method for automobile wastewater. The wastewater is preliminarily filtered through a filter, and the macromolecular insoluble water substances in the water are preliminarily filtered, and then enter the oxidation tank for oxidation treatment. In order to better play the role of ozone oxidation, the aerator used is better for the full reaction of water and ozone, and the macromolecular organics are oxidized to micromolecule organics, which is more conducive to the later. The absorption of activated carbon and the degradation of microorganisms on the surface of activated carbon, due to the mechanism of degradation of organics on the surface of activated carbon, extend the regeneration cycle of activated carbon. After the water is degraded by adsorption of activated carbon filter, it is further treated by filter and ultrafiltration. Due to the previous double-layer pretreatment process, the replacement cycle of precision filter and cleaning cycle of membrane are further extended, avoiding the problems existing in this treatment stage.



Equipment advantages

占地面积小，可根据客户现场实际情况设计，投资少，自动化程度高，设备运行维护较低。

It covers a small area, can be designed according to the actual situation of the customer site, with less investment, high degree of automation and low equipment operation and maintenance.

中水回用设备

Reclaimed water recycling equipment

中水是指各种排水经处理后，达到规定的水质标准，可在一定范围内重复使用的饮用水。中水水源按照《建筑中水设计规范》(GB50336-2002)和《污水再生利用工程设计规范》、(GB50335-2002)分为优质排水和生活污水两种。

Reclaimed water refers to the drinking water that can be reused within a certain range after all kinds of drainage have been treated and reach the specified water quality standard. According to code for design of reclaimed water in buildings (gb50336-2002), code for design of wastewater recycling engineering (gb50335-2002), reclaimed water sources are divided into two types: high-quality drainage and domestic sewage.

®利百家设备通过并获得《潍坊市建设工业产品登记备案证》 /



LBJ equipment passed and obtained Weifang construction industrial product registration and record certificate

建设备案 Construction record

利百家一家专业从事水处理研究、开发、应用为一体的科技技术企业。我公司在总结国内外生活污水处理装置的运行经验的基础上，结合自己的科研成果和工程实践，设计出可埋于地下的成套有机废水处理装置，污水处理后的出水能达到国家污水综合排放标准 **GB8978-1996** 的一级排放标准、中水回用标准、《城镇污水处理厂污染物排放标准》(**GB18918-2002**)标准。同时拥有《临沂市建设工业产品登记 备案证》。为您的提供更安全的保障。

LBJ is a scientific and technological enterprise specialized in water treatment research, development and application. On the basis of summing up the operation experience of domestic and foreign domestic sewage treatment plants, combined with our own scientific research results and engineering practice, our company has designed a complete set of organic sewage treatment plants that can be buried underground. The effluent after sewage treatment can meet the first level discharge standard, reclaimed water reuse standard and pollutant discharge standard of the national sewage comprehensive discharge standard **GB8978-1996** Standard (**GB18918-2002**). At the same time, it has the registration and Filing Certificate of Linyi construction industrial products. To provide you with more security.

药剂系列

Pharmacy series

反渗透阻垢剂、分散剂 0100 是一种高效阻垢剂, 适用于反渗透(RO)系统及纳滤(NF)和超滤(UF) 系统中, 可防止膜面结垢, 能提高产水量和产水质量, 降低运行费用。

The scale inhibitor and dispersant 0100 of reverse osmosis is a kind of efficient scale inhibitor, which is suitable for RO system, NF system and UF system. It can prevent fouling on membrane surface, improve water yield and quality, and reduce operation cost.

® DS-0100 反渗透阻垢剂、分散剂/

	标准溶液	浓缩溶液
Ds-0100 scale inhibitor and dispersant for reverse osmosis		
	澄清透明成体	澄清透明液体
pH 值 (1%水溶液)	2.0 ±0.5	2-0 ±0.5
比重	1.03-1.06	1.45±0.05
主要成分	含磷小分子有机物	含磷小分子有机物
高温分解产物	正磷酸盐	正磷酸盐

反渗透阻垢剂、分散剂 DS-0100 的加药剂量是根据水质全分析报告及反渗透系统情况计算确定的。一般加药量为 3-5mg/L, 推荐的剂量范围内, 可控制绝大多数以下类型的结垢: 碳酸钙、硫酸钙、硫酸钡、硫酸铜、氢氧化铁、氢氧化铝及硅。

The dosing dose of scale inhibitor and dispersant ds-0100 is determined according to the full analysis

report of water quality and the calculation of reverse osmosis system. Generally, the dosage is 3-5mg / L. within the recommended dosage range, most of the following types of scaling can be controlled: calcium carbonate,



calcium sulfate, barium sulfate, strontium sulfate, iron hydroxide, aluminum hydroxide and silicon.



软水盐

Soft water salt

Working principle

水处理的方法有很多种，但最主要、最先进和最适宜的水处理技术是离子交换技术。高级水质净化器所有的离子交换树脂，通常为磺酸盐型钠离子交换树脂。待处理的原水通过树脂后，可将水内的有害杂质离子（主要为钙 **Ca**，镁 **Mg** 离子）吸附于树脂内，达到净化水质的目的。随着水处理量的增加，吸附的杂质越来越多，树脂的吸附能力会逐渐降低，而要清除树脂吸附的杂质（主要为钙 **Ca** 及 **Mg** 离子），就需要用钠离子（**Na**），通过反冲洗的方法，通过离子交换而把树脂吸附的杂质离子（主要为钙 **Ca**、镁 **Mg** 离子），置换出来，从而恢复离子交换树脂的吸附能力，这个过程也叫离子交换树脂再生。

There are many kinds of water treatment methods, but the most important, advanced and suitable water treatment technology is ion exchange technology. All ion exchange resins of advanced water purifier, usually sulfonate type sodium ion exchange resin. After the raw water to be treated passes through the resin, the harmful impurity ions (mainly calcium *Ca*, magnesium *Mg* ions) in the water can be adsorbed in the resin to achieve the purpose of purifying the water quality. With the increase of water treatment capacity, more and more impurities will be adsorbed, and the adsorption capacity of the resin will be gradually reduced. To remove the impurities adsorbed by the resin (mainly calcium *Ca*, magnesium *Mg* ion), sodium ion (*Na*) is needed to replace the impurities (mainly calcium *Ca*, magnesium *mg* ion) adsorbed by the resin through ion exchange through back washing, so as to recover the ions The adsorption capacity of exchange resin. This process is also called regeneration of ion exchange resin.

®软水盐特性 / Characteristics of soft water and salt

- 1、盐的纯度高达 99.5%
1. The purity of salt is as high as 99.5%
- 2、软水盐添加了专用添加剂，去除铁离子的能力是一般盐的 6 倍，高效能保护设备。
2. Special additives are added to the soft water salt, the ability of removing iron ions is 6 times that of the general salt, and the equipment can be protected effectively.
- 3、经过特殊配方配制，性能优于其它任何软水盐，它能双倍去除水中的杂质，其软水能力也比其他软水盐高出 2 倍，能使软水机的效率提高，维修减少，寿命延长。

3. After special formula preparation, its performance is better than any other soft water salt. It can double remove the impurities in the water, and its soft water capacity is 2 times higher than other soft water salt It can improve



the efficiency of the soft water machine, reduce the maintenance and prolong the service life.

公司业绩

corporate performanc

公司恪守“客户至上，团队合作，激情创新，敬业守信”的经营理念，伊亲多年来一直秉承“健康，环保”的品牌精神，凭借优质的产品、专业放心的服务赢得了全国 3000 多家客户的广泛认可和赞誉。客户类型遍及工业生产、生活饮用、医院、单位、学校、酒店、家庭等，成为水处理行业的旗帜。

The company adheres to the business philosophy of "customer first, team cooperation, passion innovation, dedication and trustworthiness". With high-quality products and professional services, Yiqin has won wide recognition and praise from more than 3000 customers all over the country. The types of customers cover industrial production, living and drinking, hospitals, units, schools, hotels and families And so on, become the banner of water treatment industry.



临沂市新闻大厦
Linyi News Building



临沂蓝海国际酒店
Linyi blue sea International Hotel



> 锦江之星
JinJiang Inn



A 芭提雅酒店
Pattaya Hotel



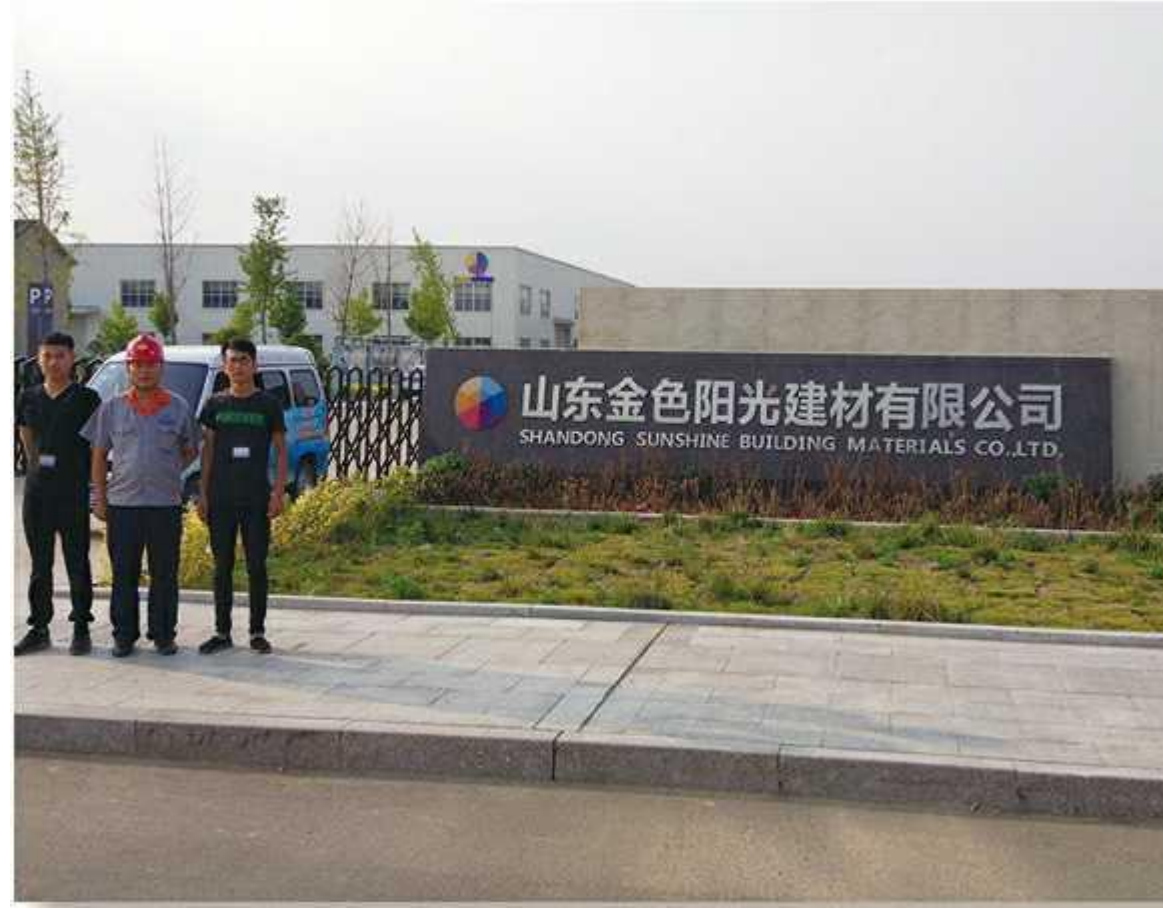
▶ 临沂党校
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颐正园
Yi Zheng Yuan



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山东天同集团
Shandong Tiantong group



EDI 超纯水机组
EDI ultra pure water unit



> 大型车用尿素生产设备
Large vehicle urea production equipment



A 临沂市规划局
Linyi Planning Bureau



铝业公司
Aluminum Inc



大型车用尿素安装现场
Installation site of large vehicle urea



山东医疗科技有限公司
Shandong Medical Technology Co., Ltd



江苏材料公司
Jiangsu material company



江苏某热电公司
A thermal power company in Jiangsu



徐州某冶金公司
A metallurgical company in Xuzhou



四川某石化公司
A petrochemical company in Sichuan



河南某化工公司
A chemical company in Henan



河北某化工公司
Hebei Chemical Company



河北某化工厂循环水
Circulating water of a chemical plant in Hebei Province



贵州某电厂脱硫废水
Desulfurization wastewater from a power plant in Guizhou



Washing water of a coal yard in Hunan Province
> 湖南某煤场冲洗水
Washing water of a power plant coal mine in Guangdong Province



840 吨超纯水系统
840 ton ultra pure water system



840 吨超纯水系统
840 ton ultra pure water system



840 吨超纯水系统
840 ton ultra pure water system



840 吨超纯水系统
840 ton ultra pure water system



120 吨反渗透装置
120 ton reverse osmosis unit



10 吨超纯水
10 tons of ultra pure water



180 吨纯水系统
180 ton pure water system



60 吨软化系统
60 ton softening system



120 吨软化系统
120 ton softening system



某食品厂 40 吨纯水装置
40 ton pure water plant of a food factory



10 吨反渗透设备
10 ton RO equipment



▶ 120 吨超滤装置
120 ton ultrafiltration unit

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