

# ZHONGYE (GZ) ENVIRONMENTAL PROTECTION EQUIPMENT CO., LTD中业(广州)环保设备有限公司

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健康/安全/智能/环保/节能

# 中业(广州)环保设备有限公司

ZHONGYE (GZ) ENVIRONMENTAL PROTECTION EQUIPMENT CO., LTD

# **企业简介**COMPANY PROFILE



中业(广州)环保设备有限公司,总部坐落于广州市番禺区沙湾镇,是一家集产品开发设计、专业定制生产、配套售后服务体系为一体的科技创造企业,公司自成立以来一直坚持走技术创新之路,积极响应国家政策,在民用、市政、工业等多领域深入研发并结合国内外先进技术和工艺研制出众多系列产品。公司在经验产品坚持以"诚信为本,质量保证,服务至上"为理念,秉承"合作共赢"的宗旨,坚持为客户着想的原则,提供给广大客户高要求和高标准的设备及服务。

Zhongye (Guangzhou) Environmental Protection Equipment Co., Ltd., headquartered in Shawan Town, Panyu District, Guangzhou, is a technology creation enterprise that integrates product development and design, professional customized production, and supporting after-sales service system. Since its establishment, the company has always adhered to the path of technological innovation, actively responded to national policies, and has been engaged in civil, municipal, and We have conducted in-depth research and development in various fields such as industry, and combined advanced technologies and processes at home and abroad to develop outstanding series of products. The company adheres to the concept of "integrity-based, quality assurance, and service first" in its experience products, adheres to the purpose of "win-win cooperation", and adheres to the principle of considering customers, providing customers with high requirements and high standards of equipment and services.

### 企业文化 CORPORATE CULTURE

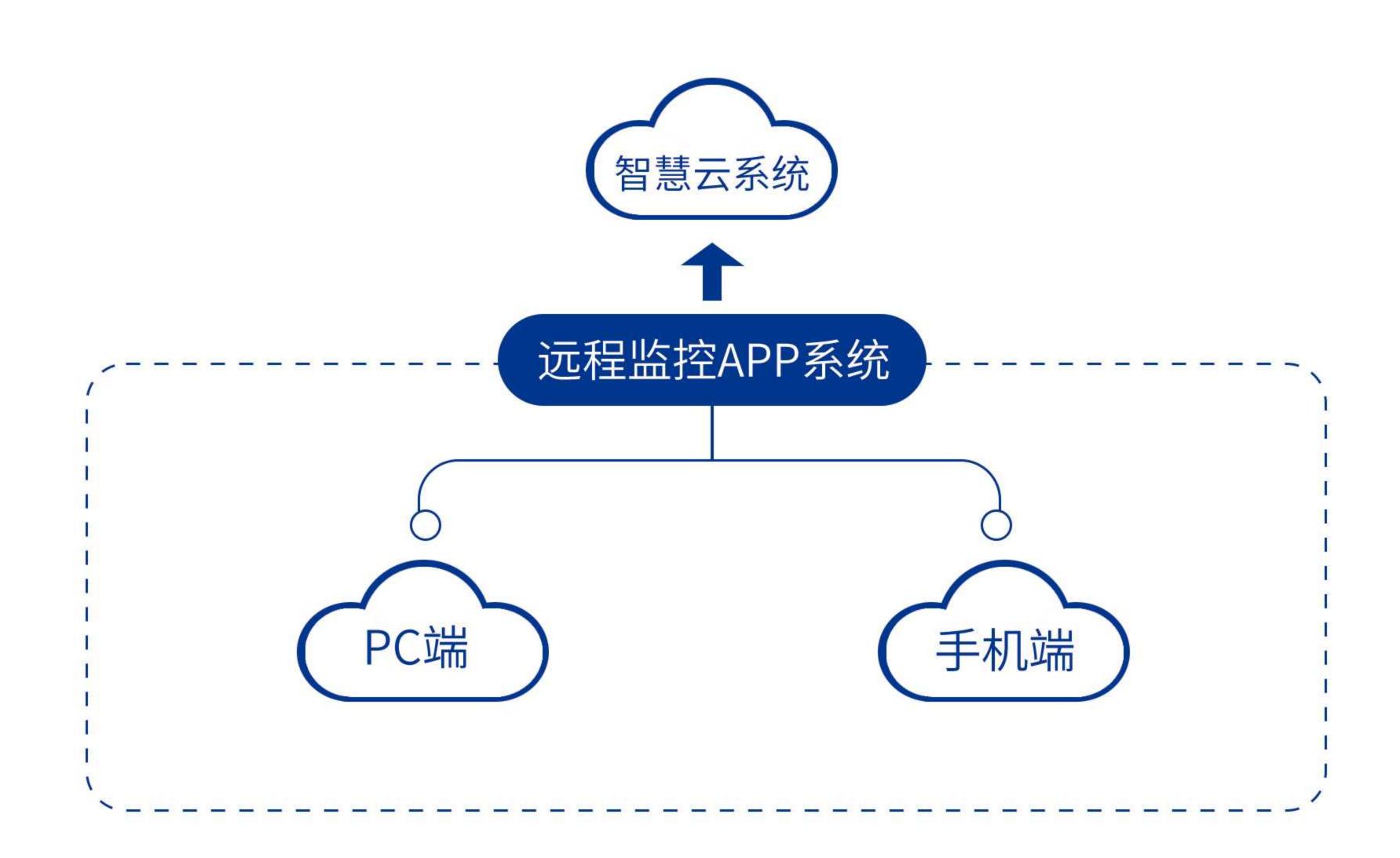


从直饮水到全屋中央净水,工业超纯水、企业废水处理及回收利用、海水淡化、纺织行业、食品饮料以及生活饮用水工程及BOT项目运作等完整的水处理产业链,可为客户提供不用配置的水处理设备集成全套解决方案,提供水处理一站式服务。 我们一直坚持以满足客户需求为已任,始终追求产品的高品质、高性能,在"科研管理,质量为本,满足客户,服务社会,持续改进,不断发展,全员参与,创建品牌"的质量方针激励下,我们不断的进行技术革新,技术改造,努力自我完善和发展,全力打造业内高端服务品牌。

We have a complete water treatment industry chain from direct drinking water to central water purification throughout the entire house, including industrial ultra pure water, enterprise wastewater treatment and recycling, seawater desalination, textile industry, food and beverage, and drinking water engineering and BOT project operation. We can provide customers with a complete set of integrated solutions for water treatment equipment without configuration, providing one-stop water treatment services. We have always been committed to meeting customer needs and pursuing high quality and performance of our products. Inspired by the quality policy of "scientific research management, quality oriented, customer satisfaction, social service, continuous improvement, continuous development, full participation, and brand building", we continuously innovate and transform our technology, strive for self-improvement and development, and strive to build a high-end service brand in the industry.



#### 核心技术 **CORE TECHNOLOGY**



#### > 综合指挥调度:数据可视化驾驶舱

打破数据壁垒,数据集中展示 全面掌控系统运行状况 展示运营管理关键指标 异常关键指标预警和挖掘分析

#### > 水处理运行管理系统

工艺流程透明化,重要环节可视化 异常问题早发现,突发事件早处理 辅助调度提生产,能耗优化降成本

#### 供水管网检测管理系统

管网GIS,精准定位各测点信息 实时监测,压力流量等关键数据 分区计量,漏损分析降低产销差 越限报警,异常早发现

#### INTEGRATED COMMAND AND DISPATCH: DATA VISUALIZATION COCKPIT

BREAKING DOWN DATA BARRIERS AND DISPLAYING DATA IN A CENTRALIZED MANNER FULLY CONTROL THE OPERATION STATUS OF THE SYSTEM DISPLAY KEY OPERATIONAL MANAGEMENT INDICATORS ABNORMAL KEY INDICATOR WARNING AND MINING ANALYSIS

#### WATER TREATMENT OPERATION MANAGEMENT SYSTEM

TRANSPARENT PROCESS FLOW AND VISUALIZATION OF IMPORTANT PROCESSES EARLY DETECTION OF ABNORMAL PROBLEMS AND EARLY HANDLING OF EMERGENCIES ASSISTING SCHEDULING TO IMPROVE PRODUCTION, OPTIMIZING ENERGY CONSUMPTION AND REDUCING COSTS

#### WATER SUPPLY NETWORK DETECTION AND MANAGEMENT SYSTEM

PIPELINE GIS FOR PRECISE POSITIONING OF MEASUREMENT POINT INFORMATION REAL TIME MONITORING, KEY DATA SUCH AS PRESSURE AND FLOW RATE PARTITION MEASUREMENT AND LEAKAGE ANALYSIS TO REDUCE PRODUCTION SALES GAP OVER LIMIT ALARM, EARLY DETECTION OF ABNORMALITIES

#### 定制优势 **CUSTOMIZATION ADVANTAGES**





焊机联动 经久耐用



焊缝平滑美观



#### 全自动焊管机

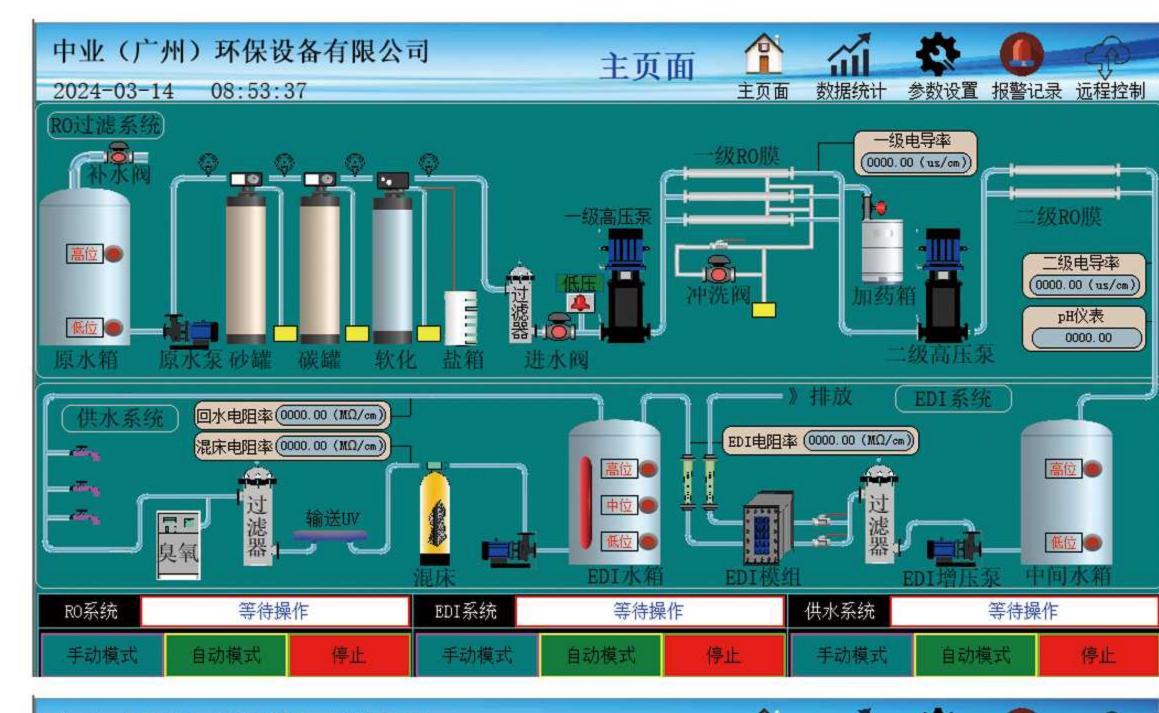
密封全位置管自动焊 可用于气体管道、洁净室 实验室气体管道、医疗器 械设备,符合 GMP焊接

标准,单面焊双面成型



切割端面垂直、无毛刺 洁净管道专用机器 适用于饮料、电子 药厂等不锈钢管道施工





序号	名称		设定	值		反馈值		备注
1	原水泵启动延迟		000	S		0	S	原水泵自动模式下延迟时间(秒)
2	一级高压泵启动延迟		000	S		0	s	一级高压泵自动模式下延迟时间(秒
3	二级高压泵启动延迟		000	s		0	s	二级高压泵自动模式下延迟时间(秒
4	冲洗阀启动冲洗时间		000	s		0	S	冲洗阀自动模式运行前冲洗时间(秒
5	EDI电源启动延时		000	s		0	s	防止烧坏EDI自动模式下延迟(秒)
6	冲洗阀自动冲洗时间	000	н	000	s	0	s	H: 冲洗阀停止运行(小时) S: 冲洗阀启动运行(秒)







#### 画册目录 **CATALOGUE OF PICTURE ALBUMS**

# 反渗透系列 REVERSE OSMOSIS SERIES

单级反渗透设备 SINGLE STAGE REVERSE OSMOSIS EQUIPMENT 双级反渗透设备 DOUBLE STAGE REVERSE OSMOSIS EQUIPMENT

P11

P19

P7





双级反渗透+EDI设备 DOUBLE STAGE REVERSE OSMOSIS+EDI EQUIPMENT P15

超滤设备系列 ULTRAFILTRATION EQUIPMENT SERIES

超滤设备 ULTRAFILTRATION EQUIPMENT





软化水设备 WATER SOFTENING EQUIPMENT P23

### 设备分类 **EQUIPMENT CLASSIFICATION**

原水过滤系列 RAW WATER FILTRATION SERIES 大型中央净水系统 LARGE SCALE CENTRAL WATER PURIFICATION SYSTEM

P27 P29

全屋净水设备 WHOLE HOUSE WATER PURIFICATION EQUIPMENT



灌装线设备

FILLING LINE EQUIPMENT

一体化净水设备 INTEGRATED WATER PURIFICATION EQUIPMENT

P33



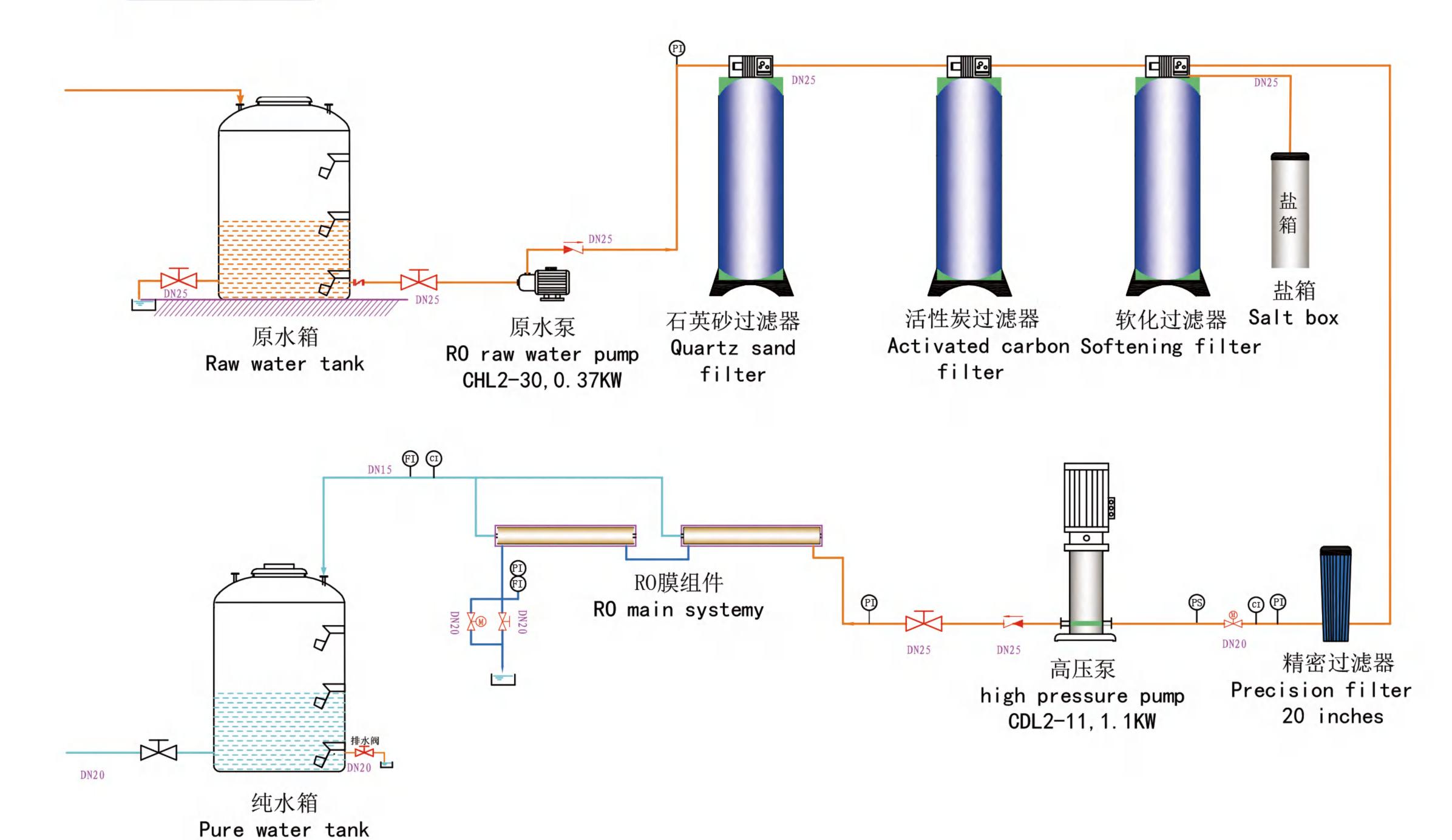
P31

### 单级反渗透设备 SINGLE STAGE REVERSE OSMOSIS EQUIPMENT

反渗透设备采用反渗透的渗透过滤工艺,是一种现代新型的纯净水处理技术。反渗透借助于选择透过(半透明)性膜的功能以压力为推动力的膜分离技术,当系统中所加的压力大于进水溶液渗透压时,水分子不断地透过膜,经过产水流道流入中心管,然后在一端流出水中的杂质,如离子、有机物、细菌、病毒等,被截留在膜的进水侧,然后在浓水出水端排出,从而达到分离净化目的。

The reverse osmosis equipment adopts the reverse osmosis infiltration filtration process, which is a modern and new type of pure water treatment technology. Reverse osmosis is a membrane separation technology that uses pressure as the driving force to selectively penetrate (semi transparent) membranes. When the pressure added to the system is greater than the osmotic pressure of the influent solution, water molecules continuously penetrate the membrane, flow through the production water channel into the central pipe, and then flow out impurities in the water at one end, such as ions, organic matter, bacteria, viruses, etc., which are intercepted on the inlet side of the membrane and discharged at the outlet of the concentrated water, Thus achieving the purpose of separation and purification.

#### 工艺流程:





#### 》 **应用领域**APPLICATION AREA

单级反渗透设设备应用范围:饮用纯净水、饮料食品厂生产用纯水,日化用品生产用水、生物制药用水、医疗器械清洗用水、试剂配液用水、医院透析用水、口服液用水、医用纯化水、电子半导体生产用水。

The application scope of single-stage reverse osmosis equipment: drinking purified water, pure water for beverage and food factory production, daily chemical production water, biopharmaceutical water, medical device cleaning water, reagent preparation water, hospital dialysis water, oral liquid water, medical purified water, and electronic semiconductor production water.













### 大型设备 LARGE EQUIPMENT

型号 MODEL	ZYJRO-0.25T	ZYJRO-0.5T	ZYJRO-1T	ZYJRO-1.5T	ZYJRO-2T	ZYJRO-3T
产水量 WATER YIELD	0.25T/H	0.5T/H	1T/H	1.5T/H	2T/H	3T/H
功率 POWER	1.5KW	1.8KW	1.8KW	2.4KW	2.8KW	4KW
进水口径 INLET DIAMETER	dn25	dn32	dn32	dn40	dn40	dn50
出水口径 OUTLET DIAMETER	dn20	dn20	dn20	dn25	dn32	dn40
设备尺寸 EQUIPMENT SIZE	140*50*150cm	155*55*160cm	165*65*165cm	180*70*180cm	190*80*180cm	预处理: 2*0.8*2.1m 主机: 1.5*0.6*1.6
设备体积 EQUIPMENT VOLUME	1.2m <sup>3</sup>	1.4m³	1.8m³	1.5m <sup>3</sup>	2.7m <sup>3</sup>	4.8m <sup>3</sup>
打包体积 PACKAGING VOLUME	1.5m <sup>3</sup>	1.7m <sup>3</sup>	2.3m <sup>3</sup>	2.6m <sup>3</sup>	3.4m <sup>3</sup>	5.9m <sup>3</sup>
重量 WEIGHT	245KG	275KG	370KG	495KG	685KG	1400KG

适用水源	城市自来水、地下水、雨水、河水、湖水。
APPLICABLE WATER SOURCE	Urban tap water, groundwater, rainwater, river water, lake water.
进水水质	TDS<500、1000、3000/5000-15000ppm,水温5°<25°C
INFLUENT QUALITY	TDS<500, 1000, 3000/5000-1500ppm, water temperature 5°<25°C
产水水质	根据进水TDS值,设计处理工艺,选型配置,按所选反渗透膜的脱盐率得出产水电导率。
PRODUCTION WATER QUALITY	Based on the TDS value of the influent, design the treatment process, select the configuration, and obtain the conductivity of the produced water according to the desalination rate of the selected reverse osmosis membrane.
工作电压	AC380V/50HZ或AC220V/50HZ 3P, (异相电压需电制)
WORKING VOLTAGE	AC380V/50HZ or AC220V/50HZ 3P, (out of phase voltage requires electrical control)
工作压力	预处理0.2-0.4Mpa,RO主机0.7-1.8Mpa
WORKING PRESSURE	Pre processing 0.2-0.4Mpa, RO host 0.7-1.8Mpa
产水量 WATER YIELD	0.25T-100T
脱盐率	95-99.6% (脱盐率会因为进水的水温、水压及膜的污染程度等因素而变化)
DESALINATION RATE	95-99.6% (desalination rate may vary due to factors such as inlet water temperature, water pressure, and membrane fouling)
回收率	50-70%(回收率会因为进水的水温、水压及膜的污染程度等因素而变化)
RATE OF RECOVERY	50-70% (recovery rate may vary due to factors such as inlet water temperature, water pressure, and membrane fouling)







### 少中業環保

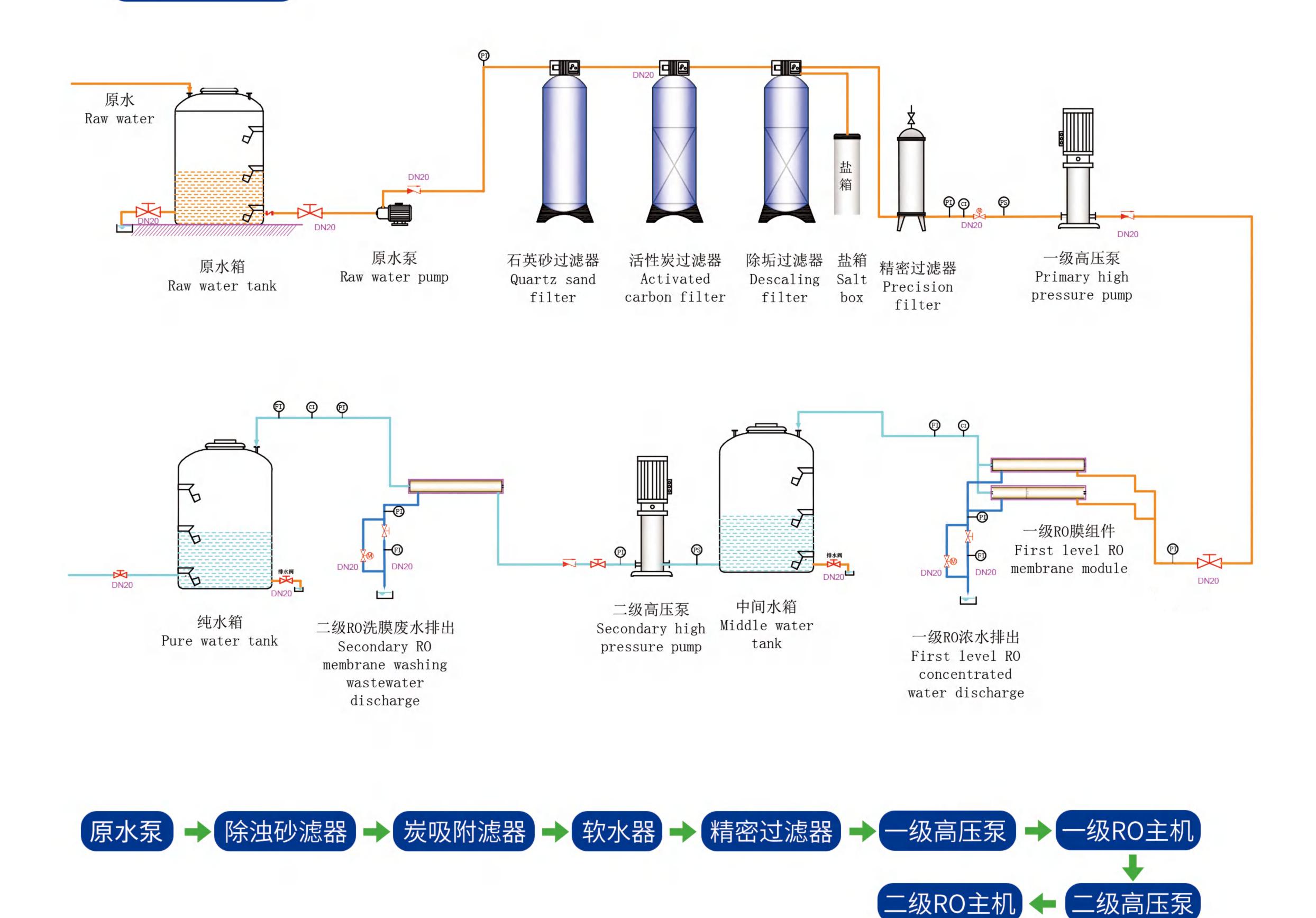


#### 双级反渗透设备 DOUBLE STAGE REVERSE OSMOSIS EQUIPMENT

反渗透设备采用反渗透的渗透过滤工艺,是一种现代新型的纯净水处理技术。反渗透借助于选择透过(半透明)性膜的功能以压力为推动力的膜分离技术,当系统中所加的压力大于进水溶液渗透压时,水分子不断地透过膜,经过产水流道流入中心管,然后在一端流出水中的杂质,如离子、有机物、细菌、病毒等,被截留在膜的进水侧,然后在浓水出水端排出,从而达到分离净化目的。

The reverse osmosis equipment adopts the reverse osmosis infiltration filtration process, which is a modern and new type of pure water treatment technology. Reverse osmosis is a membrane separation technology that uses pressure as the driving force to selectively penetrate (semi transparent) membranes. When the pressure added to the system is greater than the osmotic pressure of the influent solution, water molecules continuously penetrate the membrane, flow through the production water channel into the central pipe, and then flow out impurities in the water at one end, such as ions, organic matter, bacteria, viruses, etc., which are intercepted on the inlet side of the membrane and discharged at the outlet of the concentrated water, Thus achieving the purpose of separation and

#### 工艺流程:





双级反渗透设备应用范围:饮用纯净水、饮料食品厂生产用纯水,日化用品生产用水、生物制药用水、医疗器械清洗用水、试剂配液用水、医院透析用水、口服液用水、医用纯化水、电子半导体生产用水。

The application scope of two-stage reverse osmosis equipment: drinking purified water, pure water for beverage and food production, water for daily chemical production, biopharmaceutical production, medical device cleaning, reagent preparation, hospital dialysis water, oral liquid water, medical purified water, and electronic semiconductor production water.









# >> 双级反渗透设备 DOUBLE STAGE REVERSE OSMOSIS EQUIPMENT

### 大型设备 LARGE EQUIPMENT

型号 MODEL	ZYJRO-0.25T	ZYJRO-0.5T	ZYJRO-1T	ZYJRO-1.5T	ZYJRO-2T	ZYJRO-3T
产水量 WATER YIELD	0.25T/H	0.5T/H	1T/H	1.5T/H	2T/H	3T/H
功率 POWER	2.6KW	3KW	4KW	5KW	7.5KW	12KW
进水口径 INLET DIAMETER	dn32	dn32	dn40	dn50	dn50	dn65
出水口径 OUTLET DIAMETER	dn20	dn20	dn25	dn32	dn32	dn40
设备尺寸 EQUIPMENT SIZE	185*65*160cm	185*65*160cm	230*70*160cm	420*110*210cm	420*110*210cm	按需定制
设备体积 EQUIPMENT VOLUME	2m <sup>3</sup>	2m³	2.6m <sup>3</sup>	10m <sup>3</sup>	10m <sup>3</sup>	/
打包体积 PACKAGING VOLUME	3.3m <sup>3</sup>	3.3m <sup>3</sup>	4m <sup>3</sup>	13m³	13m <sup>3</sup>	/
重量 WEIGHT	350KG	500KG	700KG	1500KG	2000KG	/

适用水源	城市自来水、地下水、雨水、河水、湖水。
APPLICABLE WATER SOURCE	Urban tap water, groundwater, rainwater, river water, lake water.
进水水质	TDS<500、1000、3000/5000-15000ppm,水温5°<25°C
INFLUENT QUALITY	TDS<500, 1000, 3000/5000-1500ppm, water temperature 5°<25°C
产水水质	根据进水TDS值,设计处理工艺,选型配置,按所选反渗透膜的脱盐率得出产水电导率。
PRODUCTION WATER QUALITY	Based on the TDS value of the influent, design the treatment process, select the configuration, and obtain the conductivity of the produced water according to the desalination rate of the selected reverse osmosis membrane.
工作电压	AC380V/50HZ或AC220V/50HZ 3P, (异相电压需电制)
WORKING VOLTAGE	AC380V/50HZ or AC220V/50HZ 3P, (out of phase voltage requires electrical control)
工作压力	预处理0.2-0.4Mpa,RO主机0.7-1.8Mpa
WORKING PRESSURE	Pre processing 0.2-0.4Mpa, RO host 0.7-1.8Mpa
产水量 WATER YIELD	0.25T-100T
脱盐率	95-99.6%(脱盐率会因为进水的水温、水压及膜的污染程度等因素而变化)
DESALINATION RATE	95-99.6% (desalination rate may vary due to factors such as inlet water temperature, water pressure, and membrane fouling)
回收率	50-70%(回收率会因为进水的水温、水压及膜的污染程度等因素而变化)
RATE OF RECOVERY	50-70% (recovery rate may vary due to factors such as inlet water temperature, water pressure, and membrane fouling)





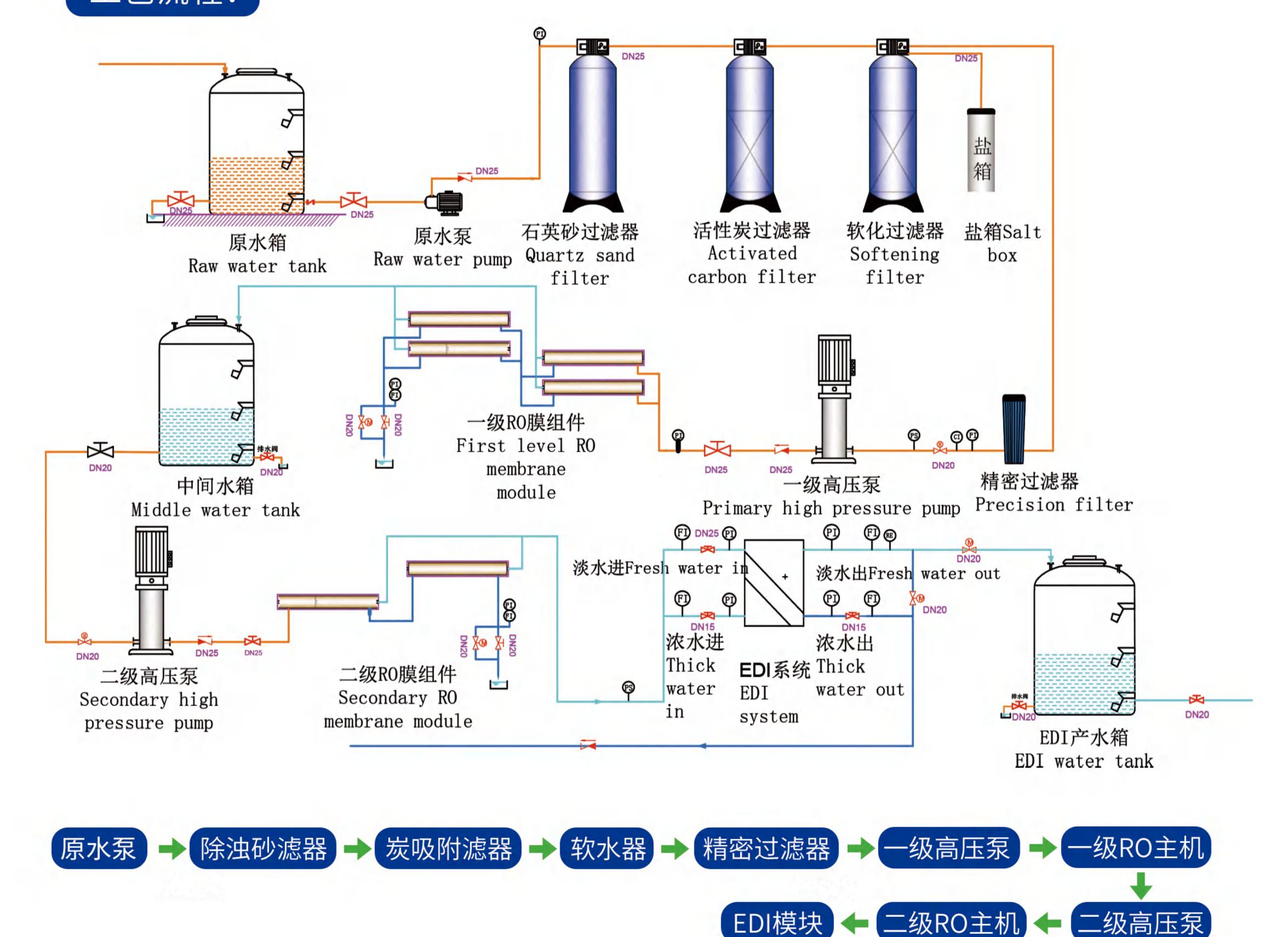


#### 双级反渗透+EDI设备 DOUBLE STAGE REVERSE OSMOSIS+EDI EQUIPMENT

反渗透(简称RO)是膜分离技术的一种。其原理是:用足够的压力使溶液中的溶剂(通常指水)通过 反渗透膜分离出水,因它的运行与自然界的正常渗透过程相反,故称反渗透(或逆渗透)。随着膜技术的 发展,膜性能不断提高,反渗透技术将发展成为进行分离、分级、提纯和富集的化工分离新技术,经过处 理后的水一般能达到96%-99%的脱盐率,综合发挥有效的作用,清除原水中的泥沙、悬浮物、胶体、有机物、重金属、可溶性固体、细菌、病毒、热源和其他的有害杂质,仅保留水分子和溶解氧。

Reverse osmosis (RO) is a type of membrane separation technology. The principle is to use sufficient pressure to separate the solvent (usually water) in the solution through the reverse osmosis membrane, and because its operation is opposite to the normal permeation process in nature, it is called reverse osmosis (or reverse osmosis). With the development of membrane technology and the continuous improvement of membrane performance, reverse osmosis technology will develop into a new chemical separation technology for separation, classification, purification, and enrichment. After treatment, the water can generally achieve a desalination rate of 96% -99%, and comprehensively play an effective role in removing sediment, suspended solids, colloids, organic matter, heavy metals, soluble solids, bacteria, viruses, heat sources, and other harmful impurities in the raw water, Only retain water molecules and dissolved oxygen.

#### 工艺流程:





EDI超纯水技术具有技术先进、操作简便、无污染,是太阳能材料、半导体、线路板、电子元器件、 液晶、化学能材料、精细化工、化学试剂溶剂、洗涤、化妆类产品等领域得到日趋广泛的应用。

EDI ultra pure water technology is technologically advanced, easy to operate, and pollution-free. It is increasingly widely used in fields such as solar energy materials, semiconductors, circuit boards, electronic components, liquid crystals, chemical energy materials, fine chemicals, chemical reagents and solvents, washing, and cosmetic products.







### 双级反渗透+EDI设备 DOUBLE STAGE REVERSE OSMOSIS+EDI EQUIPMENT

### 大型设备 LARGE EQUIPMENT

型号 MODEL	ZYJEDI-0.25T	ZYJEDI-0.5T	ZYJEDI-1T	ZYJEDI-1.5T	ZYJEDI-2T	ZYJEDI-3T
产水量 WATER YIELD	0.25T/H	0.5T/H	1T/H	1.5T/H	2T/H	3T/H
功率 POWER	2.7KW	3.2KW	4.2KW	5KW	7.5KW	12KW
进水口径 INLET DIAMETER	dn32	dn32	dn40	dn50	dn50	dn65
出水口径 OUTLET DIAMETER	dn20	dn20	dn25	dn32	dn32	dn40
设备尺寸 EQUIPMENT SIZE	200*65*180cm	200*65*180cm	250*70*180cm	420*110*210cm	420*110*210cm	按需定制
设备体积 EQUIPMENT VOLUME	2.34m <sup>3</sup>	2.34m <sup>3</sup>	3.15m <sup>3</sup>	10m³	10m <sup>3</sup>	/
打包体积 PACKAGING VOLUME	3.66m <sup>3</sup>	3.66m <sup>3</sup>	4m <sup>3</sup>	13m <sup>3</sup>	13m <sup>3</sup>	/
重量 WEIGHT	392KG	518KG	700KG	1500KG	2000KG	



适用水源	城市自来水、地下水、雨水、河水、湖水。
APPLICABLE WATER SOURCE	Urban tap water, groundwater, rainwater, river water, lake water.
进水水质	TDS<500、1000、3000/5000-15000ppm,EDI: TDS<5PPM,水温5°<25°C
INFLUENT QUALITY	TDS<500, 1000, 3000/5000-1500ppm, EDI: TDS<5ppm, water 5°<25°C
产水水质 PRODUCTION WATER QUALITY	根据进水TDS值,设计处理工艺,选型配置,按所选反渗透膜的脱盐率得出产水电导率。 Based on the TDS value of the influent, design the treatment process, select the configuration, and obtain the conductivity of the produced water according to the desalination rate of the selected reverse osmosis membrane.
工作电压	AC380V/50HZ或AC220V/50HZ 3P, (异相电压需电制)
WORKING VOLTAGE	AC380V/50HZ or AC220V/50HZ 3P, (out of phase voltage requires electrical control)
工作压力	预处理0.2-0.4Mpa,RO主机0.7-1.8Mpa
WORKING PRESSURE	Pre processing 0.2-0.4Mpa, RO host 0.7-1.8Mpa
产水量 WATER YIELD	0.25T-100T
脱盐率	95-99.6%(脱盐率会因为进水的水温、水压及膜的污染程度等因素而变化)
DESALINATION RATE	95-99.6% (desalination rate may vary due to factors such as inlet water temperature, water pressure, and membrane fouling)
回收率	50-70%(回收率会因为进水的水温、水压及膜的污染程度等因素而变化)
RATE OF RECOVERY	50-70% (recovery rate may vary due to factors such as inlet water temperature, water pressure, and membrane fouling)



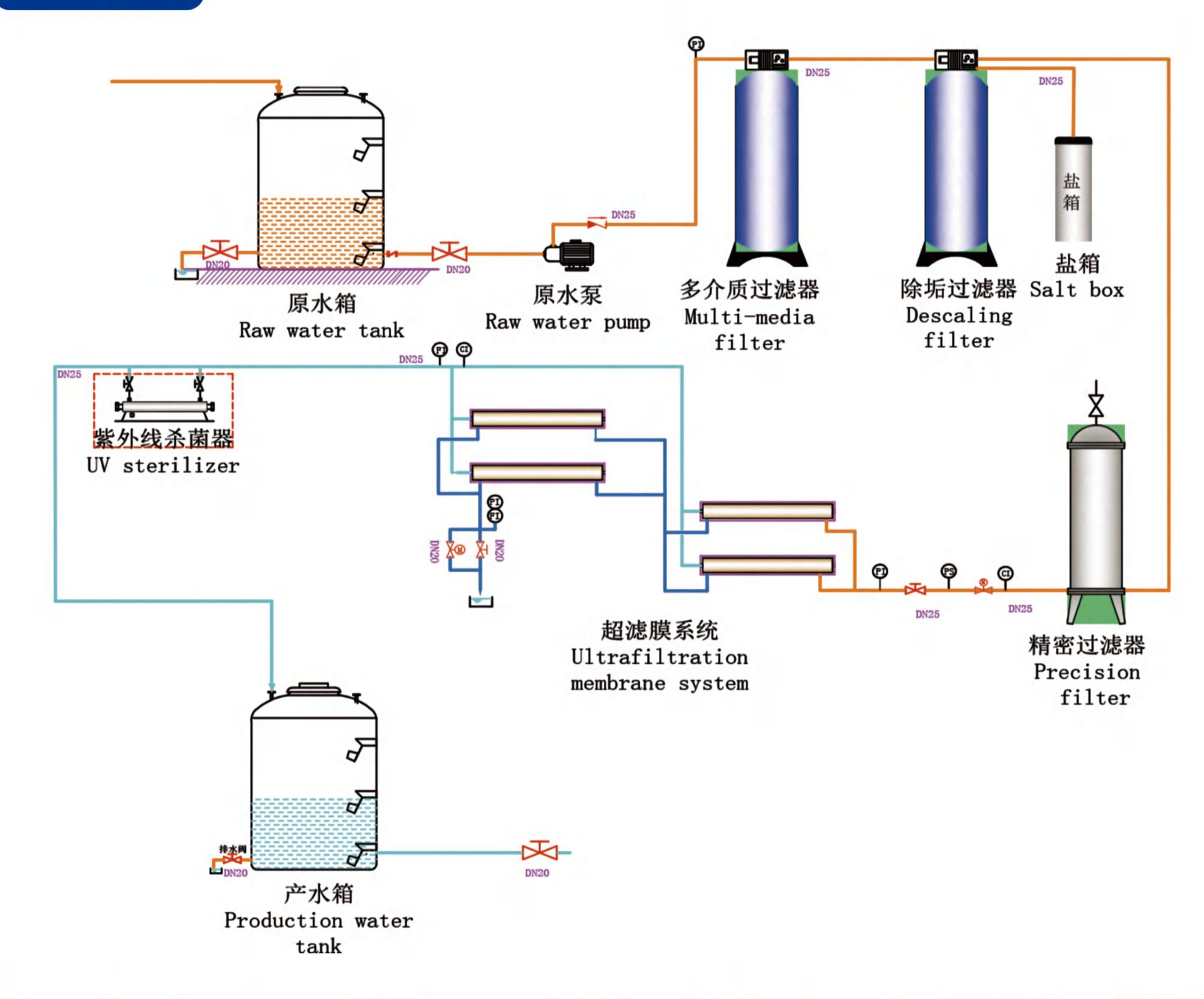


### 超滤设备 ULTRAFILTRATION EQUIPMENT

超滤是一种能将溶液进行净化和分离的膜分离技术。超滤膜系统是以超滤膜丝为过滤介质,膜两侧的压力差为驱动力的溶液分离装置,超滤膜只允许溶液中的溶剂(如水分子)、无机盐及小分子有机物透过,而将溶液中的悬浮物、胶体、蛋白质和微生物等大分子物质截留,从而达到净化或分离的目的。

Ultrafiltration is a membrane separation technology that can purify and separate solutions. The ultrafiltration membrane system is a solution separation device that uses ultrafiltration membrane filaments as the filtration medium and the pressure difference on both sides of the membrane as the driving force. The ultrafiltration membrane only allows solvents (such as water molecules), inorganic salts, and small organic molecules in the solution to pass through, and intercepts large molecular substances such as suspended solids, colloids, proteins, and microorganisms in the solution, thereby achieving the purpose of purification or separation.s, heat sources, and other harmful impurities in the raw water, Only retain water molecules and dissolved oxygen.

#### 工艺流程:





# 》 应用领域 APPLICATION AREA

超滤是采用中空纤维过滤的新技术,配合三级预处理过滤清除自来水中的杂质;超滤微孔小于0.01微米,能彻底过滤水中的细菌、铁锈、胶体等有害物质,保留水中原有的微量元素和矿物质。饮用水;大工业水处理;中水、污水、废水处理回用;食品、饮料、医药、电子、纺织、印染、造纸等其他轻工业。

Ultrafiltration is a new technology that uses hollow fiber filtration, combined with three-stage pre-treatment filtration to remove impurities from tap water; Ultrafiltration micropores are less than 0.01 microns and can thoroughly filter harmful substances such as bacteria, rust, colloids, etc. in water, retaining the original trace elements and minerals. Drinking water; Large scale industrial water treatment; Reuse of reclaimed water, sewage, and wastewater treatment; Food, beverages, pharmaceuticals, electronics, textiles, printing and dyeing, papermaking and other light industries.













### 超滤设备 ULTRAFILTRATION EQUIPMENT

### 大型设备 LARGE EQUIPMENT

型号 MODEL	ZYJUF-0.25T	ZYJUF-0.5T	ZYJUF-1T	ZYJUF-1.5T	ZYJUF-2T	ZYJUF-3T
产水量 WATER YIELD	0.25T/H	0.5T/H	1T/H	1.5T/H	2T/H	3T/H
功率 POWER	1.5KW	1.8KW	1.8KW	2.4KW	2.8KW	4KW
进水口径 INLET DIAMETER	dn25	dn32	dn32	dn40	dn40	dn50
出水口径 OUTLET DIAMETER	dn20	dn20	dn20	dn25	dn32	dn40
设备尺寸 EQUIPMENT SIZE	140*50*150cm	155*55*160cm	165*65*165cm	180*70*180cm	190*80*180cm	预处理: 2*0.8*2.1m 主机: 1.5*0.6*1.6m
设备体积 EQUIPMENT VOLUME	1.2m³	1.4m³	1.8m³	2.3m <sup>3</sup>	2.7m <sup>3</sup>	4.8m³
打包体积 PACKAGING VOLUME	1.5m <sup>3</sup>	1.7m <sup>3</sup>	2.3m <sup>3</sup>	2.6m <sup>3</sup>	3.4m <sup>3</sup>	5.9m <sup>3</sup>
重量 WEIGHT	245KG	275KG	370KG	495KG	685KG	1400KG







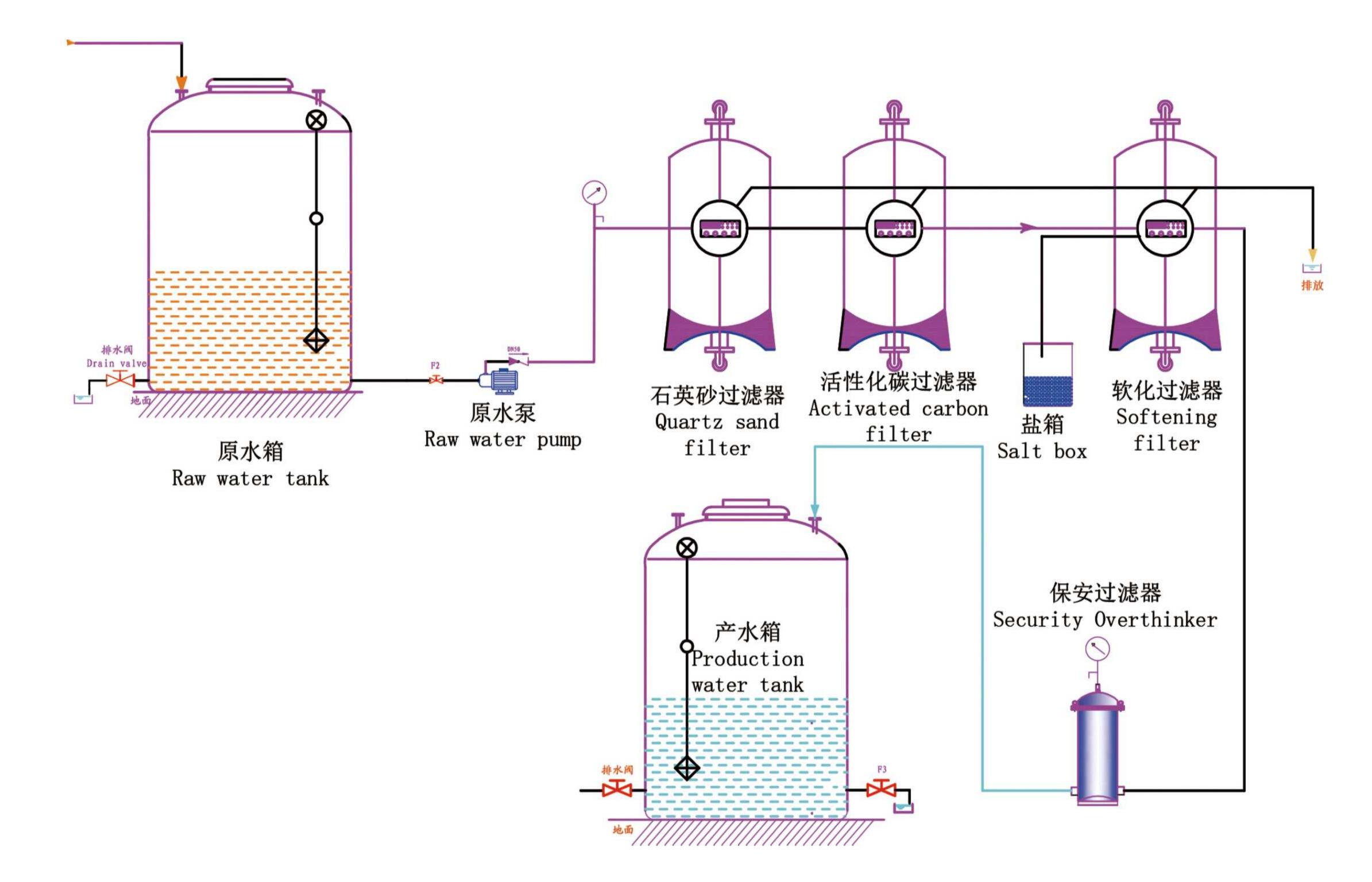


# **软化水设备**WATER SOFTENING EQUIPMENT

全自动钠离子交换器采用离子交换原理,去除水中的钙、镁等结垢离子。当含有硬度离子的原水通过交换器内树脂层时,水中的钙、镁离子而钠离子进入水中,这样从交换器内流出的水就是去掉了硬度的软化水。

The fully automatic sodium ion exchanger adopts the principle of ion exchange to remove scaling ions such as calcium and magnesium from water. When the raw water containing hardness ions passes through the resin layer inside the exchanger, calcium and magnesium ions in the water enter while sodium ions enter the water. Therefore, the water flowing out of the exchanger is softened water without hardness.

#### 工艺流程:





#### 》 应用领域 APPLICATION AREA

软化水设备可广泛应用于蒸汽锅炉、热水锅炉、交换器、蒸发冷凝器、空调、直燃机等系统的补给 水的软化。

Softening water equipment can be widely used for softening supply water in systems such as steam boilers, hot water boilers, exchangers, evaporative condensers, air conditioners, and direct combustion engines.















# **软化水设备**WATER SOFTENING EQUIPMENT

### 大型设备 LARGE EQUIPMENT

型号 MODEL	ZYJRH-2T	ZYJRH-3T	ZYJRH-5T	ZYJRH-10T	ZYJRH-20T	ZYJRH-30T
产水量 WATER YIELD	1.5m <sup>3</sup>	3m³	5m <sup>3</sup>	10m³	20m³	30m <sup>3</sup>
使用功率 USING POWER	1.5KW	1.5KW	2.2KW	5.5KW	5.5KW	15KW
脱盐率 DESALINATION RATE	99.2%	99.2%	99.2%	99.2%	99.2%	99.2%
产水含盐量 SALT CONTENT OF PRODUCED WATER	≤700	≤700	≤700	≤700	≤700	≤700
设备尺寸 EQUIPMENT SIZE	50*57*135cm	50*57*135cm	91*50*154cm	170*112*190cm	170*112*190cm	244*100*212cm
操作压力 OPERATING PRESSURE	3.5-5.5	3.5-5.5	3.5-5.5	3.5-5.5	3.5-5.5	3.5-5.5
重量 WEIGHT	120KG	150KG	400KG	600KG	800KG	1200KG







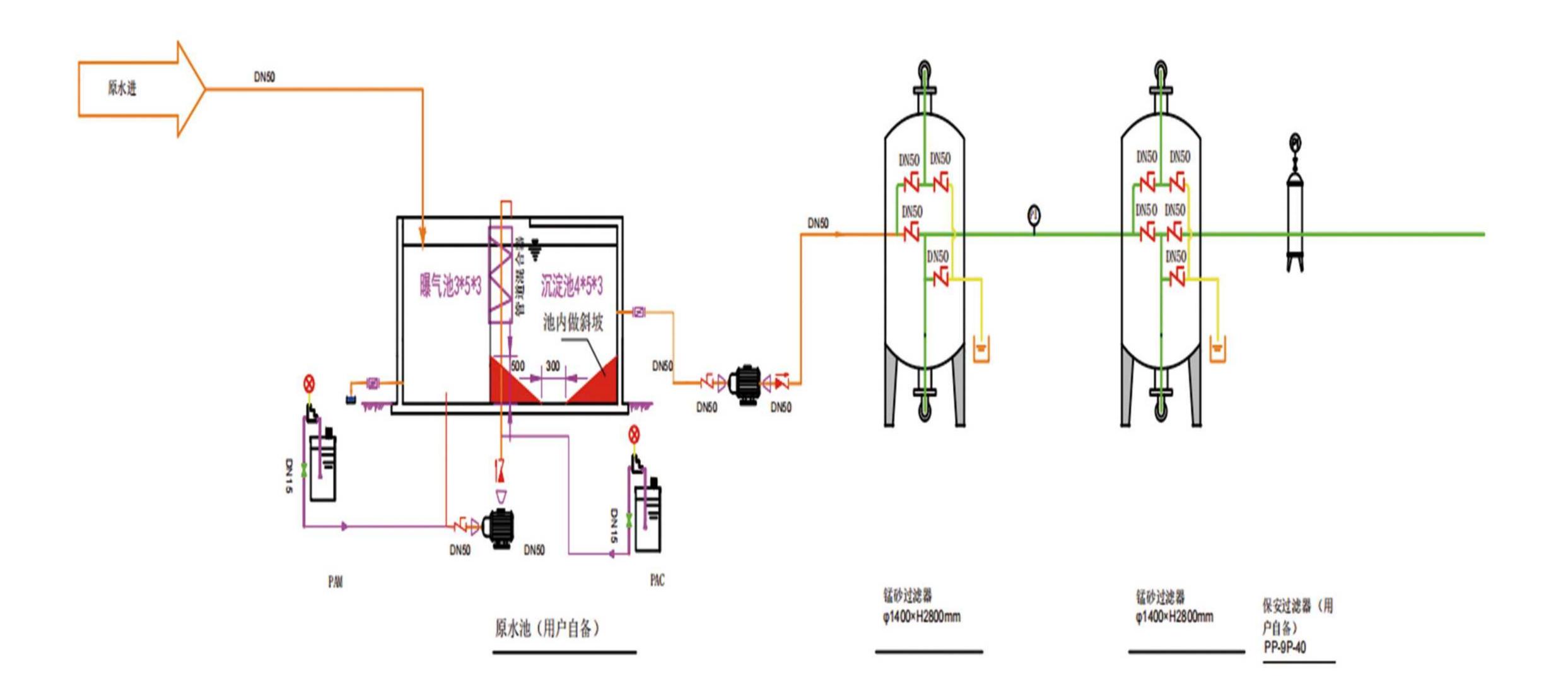


### 大型中央净水系统 LARGE SCALE CENTRAL WATER PURIFICATION SYSTEM

解决全屋整体净水问题。精致的外形,卓越的净水功效,简便的操作方式,低廉的价格,成为当今社会家庭、办公、别墅、宾馆、酒楼等全套净水的理想选择。它高效去除余氯、重金属离子、抑菌阻垢,同时还能改善口感,除色除味的综合水净化装置。它通过合理科学的配置方式放置KDF滤料、高级活性炭。集成物理吸附、过滤、微电化学电场作用等核心技术。使出水不仅去除对人体有害的物质,而且保留了对人体有益的微量成分,提高生活质量,成为广大消费者的热衷的健康水选择。

Solve the overall water purification problem of the entire house. Exquisite appearance, excellent water purification effect, simple operation method, and low price have become the ideal choice for a complete set of water purification in today's society, such as homes, offices, villas, hotels, restaurants, etc. It is a comprehensive water purification device that efficiently removes residual chlorine, heavy metal ions, inhibits bacteria and scales, while also improving taste, color and taste. It places KDF filter media and advanced activated carbon in a reasonable and scientific configuration. Integrate core technologies such as physical adsorption, filtration, and micro electrochemical electric field effects. Making the effluent not only remove harmful substances to the human body, but also retain beneficial trace components to improve the quality of life, has become a popular choice for healthy water among consumers.

#### 工艺流程:





# 》 应用领域 APPLICATION AREA

大型中央净水系统适用于家庭使用、医院、学校、实验楼、中小型药厂和生物制品厂生产车间、临检中心等机构。(可按需求定制)

Large central water purification systems are suitable for household use, hospitals, schools, experimental buildings, small and medium-sized pharmaceutical and biological product factories, production workshops, and inspection centers. (Customizable according to needs)

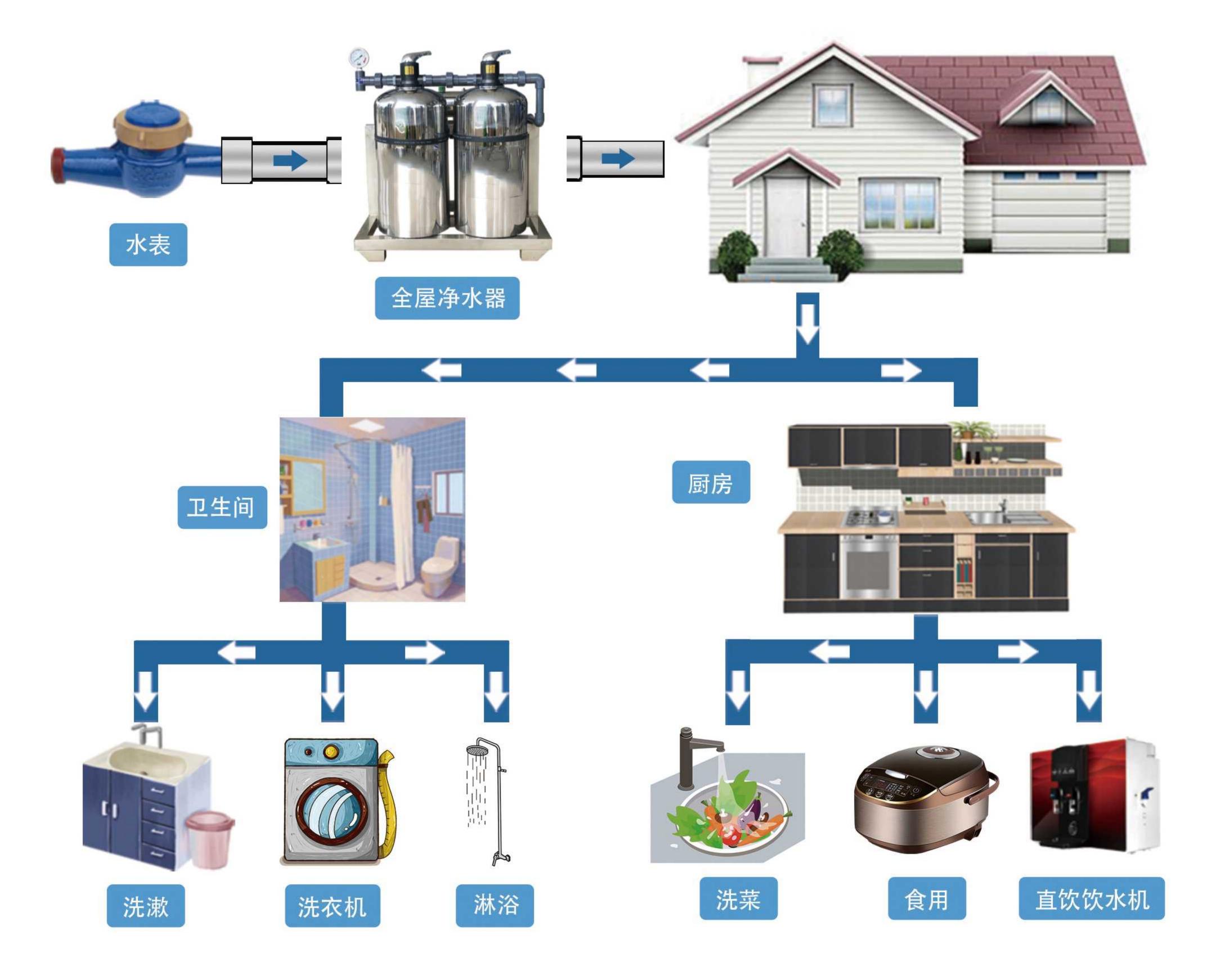


#### 全屋净水设备 WHOLE HOUSE

全屋净水实际就是对整个房屋的用水进行分类,及根据水的用途进行处理。自来水进水、前置过滤或管道过滤(初步的过滤泥沙等大颗粒杂质)、中央净水器(对整个房屋水的一次处理,去除余氯及污染物),这一步后需要对水的用途进行分析大致分成洗涤用水和饮用水;洗涤用水可以用软水机对热水器和洗衣房的用水进行过滤,去除水中钙镁离子;饮用水可以分厨房、客厅、卧室及酒吧台等用水。

Whole house water purification is actually to classify the water used in the entire house and treat it according to its purpose. Tap water inlet, pre filtration or pipeline filtration (preliminary filtration of large particle impurities such as sediment), and central water purifier (primary treatment of the entire house water to remove residual chlorine and pollutants). After this step, the use of water needs to be analyzed, roughly divided into washing water and drinking water; Washing water can be filtered by a water softener to remove calcium and magnesium ions from the water heater and laundry room; Drinking water can be divided into kitchen, living room, bedroom, and bar counter.

#### 工艺流程:



# 》 应用领域 APPLICATION AREA

全屋净水就是将屋内全部用水进行深度处理,使之满足饮用、洗涤、洗浴、烧饭、洗菜、清洁等各种用水需要,保证全屋用水安全。

Whole house water purification refers to the deep treatment of all water used in the house to meet various water needs such as drinking, washing, bathing, cooking, washing vegetables, cleaning, etc., ensuring the safety of the whole house water.









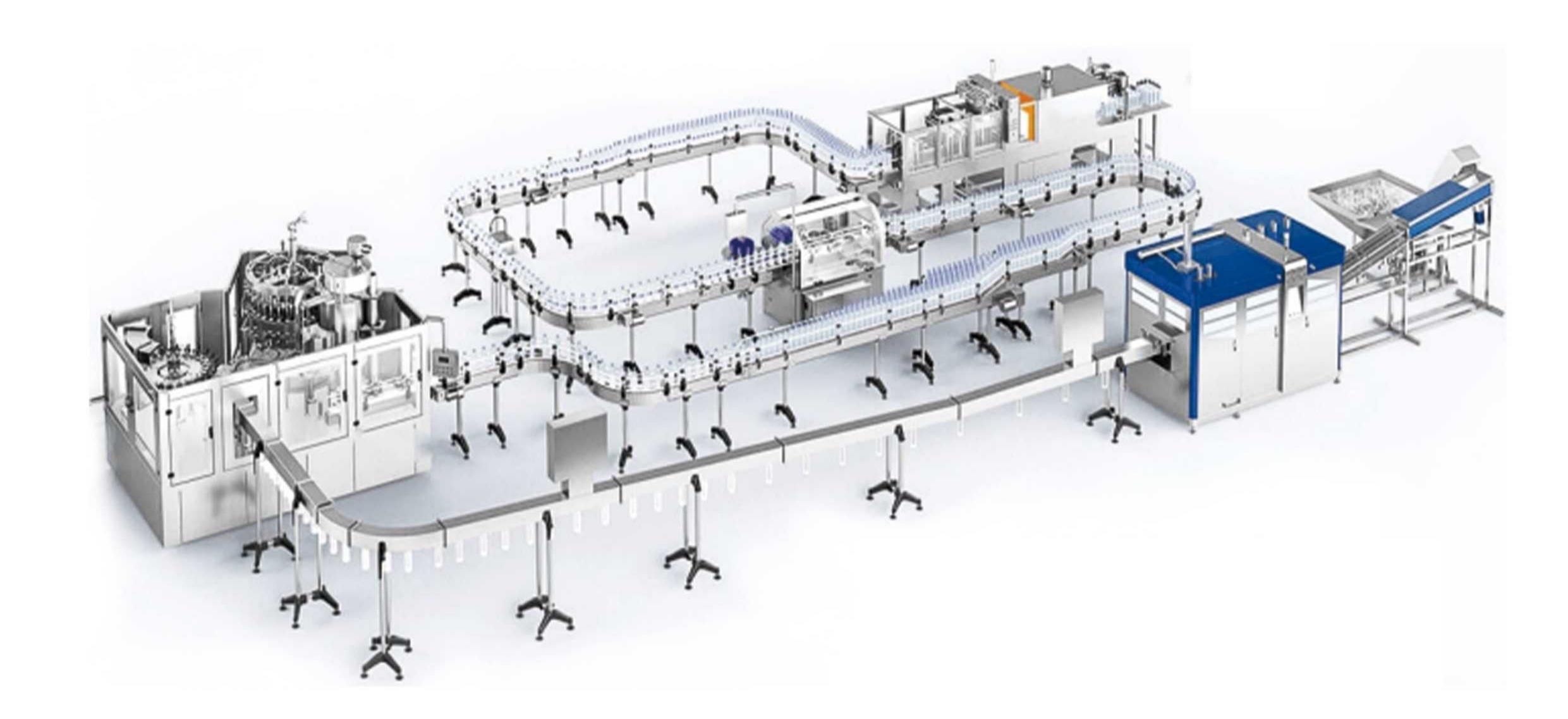
### 少中業環保

#### 灌装线设备 FILLING LINE EQUIPMENT

灌装线一般是由多台不同功能的单机设备为了满足某一产品生产或者加工目的的联动生产线,是为了减少人力,优化作业流程并提高生产效率的机电装置,从狭义上来说就是对于某一产品的灌装线,按灌装物料的属性可以分为:流体灌装线,粉剂灌装线,颗粒灌装线,半流体灌装线等,按自动化程度可分为全自动灌装线,半自动灌装线。

A filling line is generally a linked production line consisting of multiple single machine equipment with different functions to meet the production or processing objectives of a certain product. It is an electromechanical device designed to reduce manpower, optimize operation processes, and improve production efficiency. In a narrow sense, it refers to a filling line for a certain product. According to the properties of the filling materials, it can be divided into: fluid filling line, powder filling line, particle filling line, semi fluid filling line, etc, According to the degree of automation, it can be divided into fully automatic filling lines and semi-automatic filling lines.

#### 工艺流程:







# 》 应用领域 APPLICATION AREA

灌装线设备可用于生产瓶装水、果汁、可乐等灌装瓶装液体。

The filling line equipment can be used to produce bottled liquids such as bottled water, fruit juice, and cola.









# 一体化净水设备 INTEGRATED WATER PURIFICATION EQUIPMENT

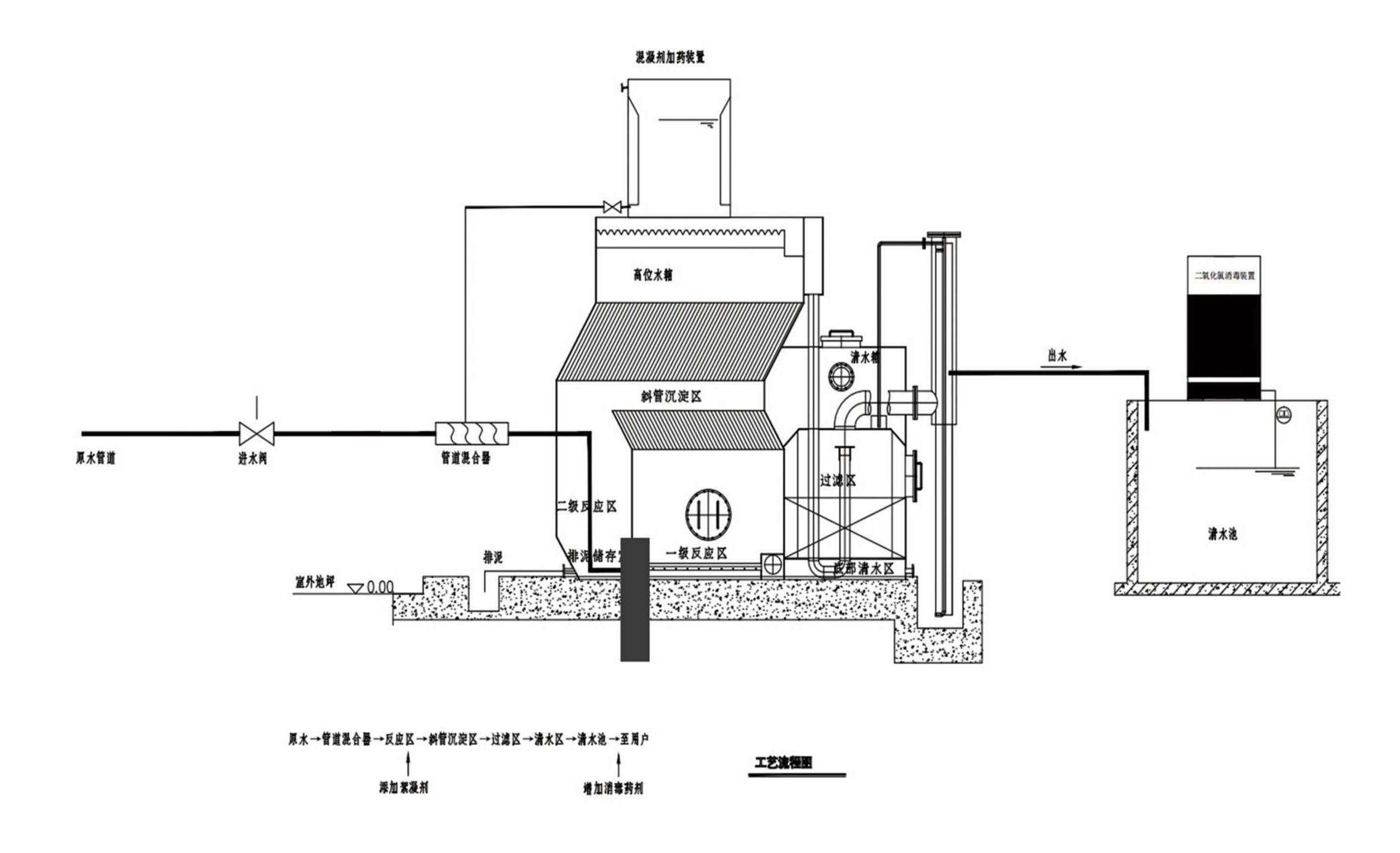
一体化净水器集絮凝,沉淀,排污,反冲洗,集水过滤等工艺中的精华之大成,无需人员操作而达到 单体全自动运行的系列净水装置,是实现水厂自动化管理的重要单元,再配以JY型自动加药装置及消毒设 备,即可成为一个具有全套功能的净水站(厂)。

本系列净水装置,不仅使用范围广,处理效果好,出水水质优良,而且耗水量小,动力消耗省,占地面积小,节电,节水,接人工,可省去辅助机泵及设施的新型节能新产品。

The integrated water purifier is the culmination of the essence of flocculation, sedimentation, sewage discharge, backwashing, water collection filtration and other processes. It is an important unit to realize the automatic management of the water plant. It can become a water purification station (plant) with a full set of functions if it is equipped with JY automatic dosing device and disinfection equipment.

This series of water purification devices not only have a wide range of use, good treatment effect, excellent effluent quality, but also have low water consumption, low power consumption, small land area, energy-saving, water-saving, and can save labor. It is a new energy-saving product that can save auxiliary pumps and facilities.

#### 工艺流程:





# 》 应用领域 APPLICATION AREA

一体化净水设备适用于水浊度小于3000mg/L的各类江,河,湖,水库等为水源的农村,城镇,工矿企业的水厂,作为主要的净水处理装置。对于低温,低浊,有季节性藻类的湖泊水源,有其特殊的适应能力。用于各类工业循环水系统,可有效而大幅度的提高循环用水水质。(按需求可定制)

Integrated water purification equipment is suitable for rural, urban, industrial and mining water plants with water sources such as rivers, lakes, and reservoirs, where the turbidity of water is less than 3000mg/L. It serves as the main water purification treatment device. For lake water sources with low temperature, low turbidity, and seasonal algae, they have their special adaptability. Used in various industrial circulating water systems, it can effectively and significantly improve the quality of circulating water. (Customizable according to demand)









## 少中業環保

#### 工程案例 ENGINEERING CASES

- 广州丰田(南沙)工厂 -----80t/d纯水系统
- 六福珠宝(广州)有限公司----500t/d中水回用系统
- ●广东万和集团有限公司-----1000t/d中水回用系统
- 贵州茅台酒股份有限公司----1000t/d纯水系统
- 湛江国联水厂-----5000t/d生活饮用水
- 广州市第一人民医院-----20t/d纯水系统

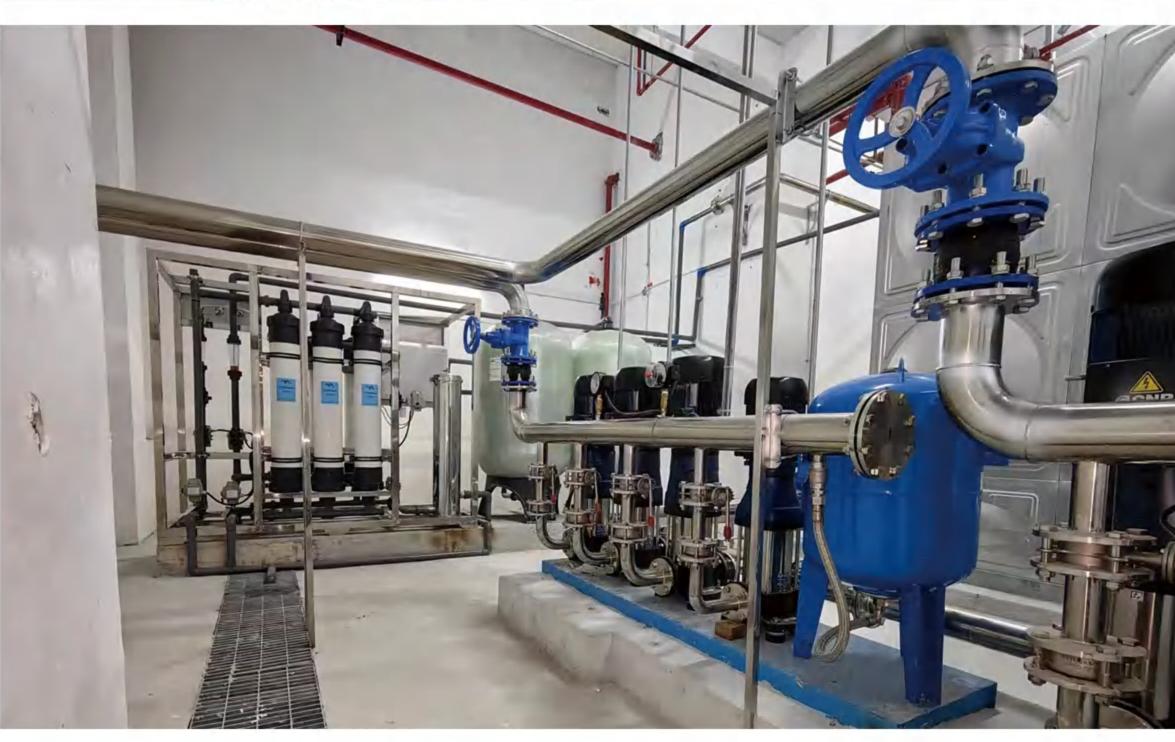
- 中建映花悦府-----278t/d纯水系统
- 广东天地壹号饮料有限公司 ----600t/d纯水系统
- 广州百事可乐饮料有限公司-----500t/d纯水系统
- 紫金矿业集团股份有限公司-----600t/d生活饮用水
- ●广东鼎湖山泉有限公司-----1200t/d饮用水系统
- 深圳市罗湖区人民医院-----50t/d纯水系统

















#### 工程案例 ENGINEERING CASES

- ●广州赫尔普化工助剂厂 -----20t/h纯水系统
- 广州精密钢管有限公司----800t/d中水回用系统
- 佛山朴田电器有限公司-----20t/h纯水系统
- 广州增城新龙五金电镀厂----300t/d中水回用系统
- 佛山珍珍饮料有限公司-----15t/h纯水系统
- 顺德伦教明洋印染有限公司-----25t/h软化水系统

- 完美(中国)有限公司----20t/h纯水系统
- 东莞市万年富电子有限公司 ----1400t/d中水回用系统
- 深圳百事可乐饮料有限公司-----30t/h软化水系统
- 广西水晶乡水厂水源保护工程-----100m³/h一体化净水处理工程
- ●中山美怡乐饮料有限公司----20t/h超滤系统
- ●中山市益华百洁灵科技有限公司-----35t/h纯水系统















# 集后服务 AFTER-SALE SERVICE

- 我司生产的各系列水处理设备质量保证期为设备交付并开始正常运行之日起至12个月止,在质保期内我们将为您提供免费维修、更换等服务。
  - The quality assurance period for the various series of water treatment equipment produced by our company is from the date of equipment delivery and normal operation to 12 months. During the warranty period, we will provide you with free maintenance, replacement and other services.
- 我司保证所交付的设备资料齐全、清洗正确、并能完全满足客户的安装、调试、运行等需要。 Our company guarantees that the delivered equipment information is complete, cleaned correctly, and can fully meet the customer's installation, debugging, operation and other needs.
- 我司向贵方提供的水处理设备主体部件及配件,保证为中业全新原装产品或国内、外公司全新原装产品,是经最终出厂检验合格的产品。
  - Our company guarantees that the main components and accessories of the water treatment equipment provided to you are brand new original products from Zhongye or domestic and foreign companies, and are products that have passed the final factory inspection.
- 我司保证长期以合理的价格以及迅捷的反应速度为您提供配件以及技术咨询服务,从而保障您的利益。 Our company guarantees to provide you with accessories and technical consulting services at reasonable prices and fast response times in the long term, in order to safeguard your interests.
- 收到您的服务要求后我司保证1小时内给予电话回复与技术咨询,12小时内给予书面答复与解决方案,对于需要上门服务的客户,我们承诺:省内24小时内,邻近省份48小时内,交通闭塞地区72小时内,售后人员将准时到达现场为您提供服务。
  After receiving your service request, our company guarantees to provide a phone reply and technical consultation within 1 hour, and a written reply and solution within 12 hours. For customers who need on-site service, we promise that within 24 hours in the province, within 48 hours in neighboring provinces, and within 72 hours in congested areas, after-sales personnel will arrive on time to provide you with service.

# **企业资质**QUALIFICATIONS







优秀合作伙伴的认可,是我们不断前进的动力; 与优秀伙伴合作,相扶相守互相成就。 The recognition of excellent partners is our driving force for continuous progress; Collaborate with excellent partners, support each other, and achieve mutual success.



# 部分合作伙伴和伪态商

20多年经验,主要生产反渗透设备、EDI超纯水设备、 超滤设备、软化水设备、全屋净水设备、灌装线、 一体化净水设备。

With over 20 years of experience, we mainly produce reverse osmosis equipment, EDI ultra pure water equipment Ultrafiltration equipment, softened water equipment, whole house water purification equipment, filling line Integrated water purification equipment.