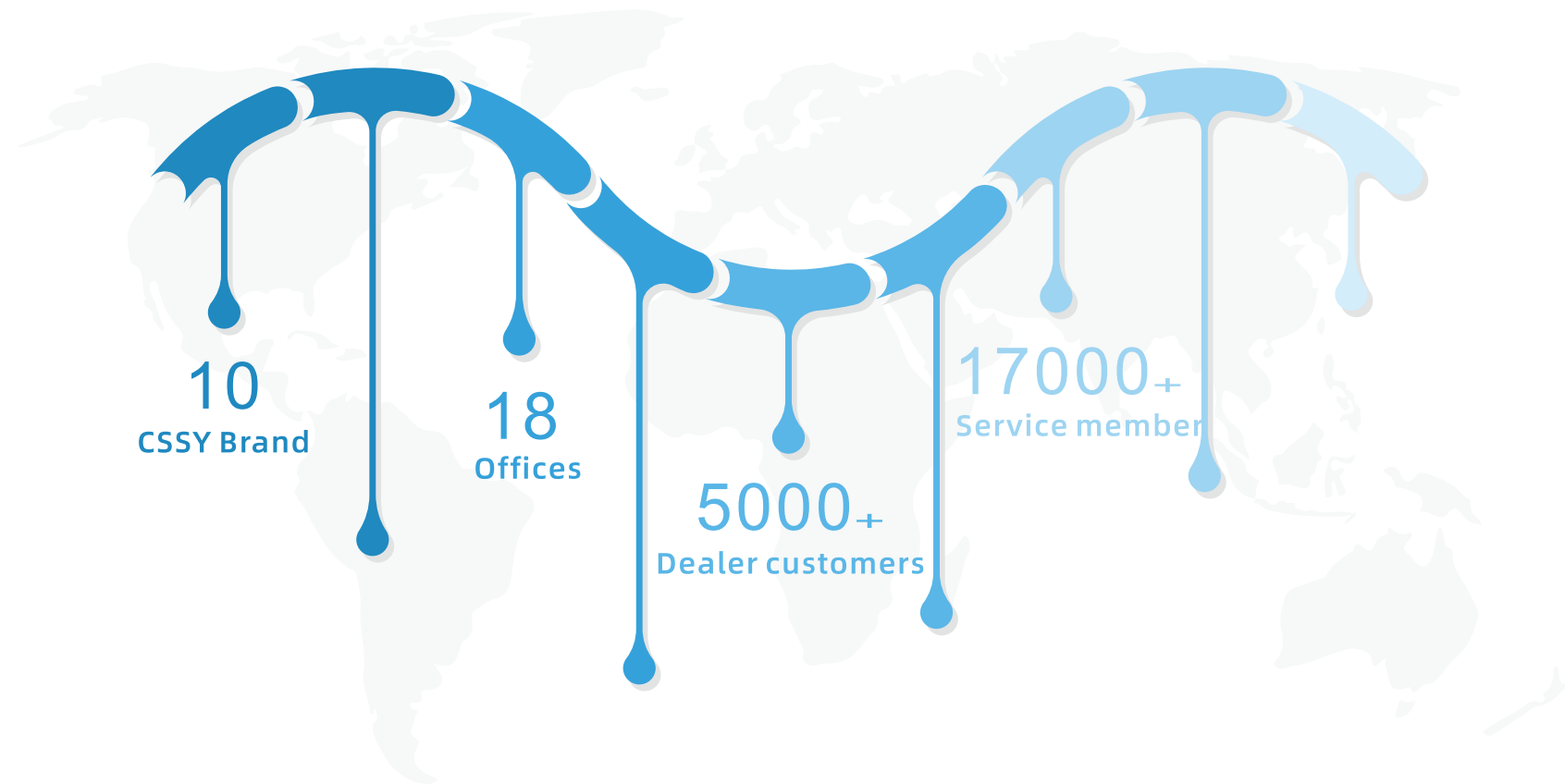


CSSY-Medical systems, biopharmaceuticals, research experiments water treatment systems



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Some pictures are renderings, please refer to actual objects. Specifications are subject to change without notice.

The company reserves the right of final interpretation and modification (version 2023.05)



Whatsapp



Product Catalogue

Sichuan Shuisiyuan Environmental Technology Co.,Ltd.

Water Treatment

Pure water/Ultra-Pure water/
Pharmaceutical Purified water/
Water for injection treatment system/
Sewage treatment equipment.

Overall solution design, production, operation service provider.

Catalogue

Company profile

Pharmaceutical water system

SSY-CH Purified water system

SSY-ZS Water for injection

Sewage treatment equipment

SSY-XD-Y Laboratory sewage treatment system

SSY-XD Laboratory sewage treatment system

Lab ultra pure water system

SSY-UPJ/UPH Intelligent all-in-one machine

SSY-UPII Intelligent modular machine

SSY-UP little

SSY-UP Standard laboratory ultrapure water

Endoscopic cleaning sterile pure water system

SSY-ED

SSY-CD

SSY-HD

Supply room cleaning & disinfecting pure water system

SSY-EG

SSY-CG

SSY-GD

Clinical laboratory ultra pure water system

SSY-HDI

SSY-H

SSY-II

SSY-E

SSY-C

SSY-GDE

Pretreatment system

SSY-PE

Direct dinking water system

Company Profile



Sichuan Shuisiyuan Environmental Technology Co., LTD. (Chengdu Shuisiyuan Technology Co., LTD.) was founded in 2013, the company is headquartered in Sichuan. Chengdu has set up 18 offices in Beijing, Henan, Hebei, Guizhou, Shanghai, Anhui, Jiangsu, Heilongjiang, Jilin, Guangdong, Guangxi, Yunnan, Xinjiang, Shaanxi, Gansu, Shandong, Chongqing, Inner Mongolia and other places and Jiangxi branch. Is a collection of water treatment equipment, ecological environmental protection, technical services as one of the high-tech enterprises.

With independent research and development as the core, the company has launched intelligent water treatment equipment and personalized customized services, providing users with professional pure water/ ultra-pure water/ purified water/ wastewater/ sewage treatment equipment, as well as various water treatment solutions to meet users' various needs for water quality.

Water use classification and water use standard diagram

Differentiated
water supply
system

Water for hemodialysis	Hemodialysis center, ICU, fluid dispensing	Standard of water for hemodialysis and related Treatment "YY0572-2015"
Biochemical Inspection water	Biochemistry Department, Laboratory, Pathology Department	Analytical laboratory water specifications and experimental methods "GB/T6682-2008" Pure water for clinical laboratory reagents "WS/T547-2018"
Cleaning water	Central Supply Room, DSA, Endoscopy Center, Department of stomatology	Analytical laboratory water specifications and experimental methods GB/T6682-2008 Pure water for clinical laboratory reagents WS/T547-2018
Flushing water	Operating room brush, maternity brush, baby washing	Sanitary standard for Drinking Water "GB5749-2006"
Softened water	Supply center, boiler room, air conditioning water supply	Industrial boiler water GB1576-2008
Drinking water	Waiting area, boiling water room, office area between wards bottled water	Drinking water quality standard CJ94-2005
Acidified water	Disinfection supply center, endoscopy Center, operating room Obstetrics, Stomatology, hemodialysis center, Infection Department	Safety and health standard for Acid oxidation potential water Generator GB28234-2011

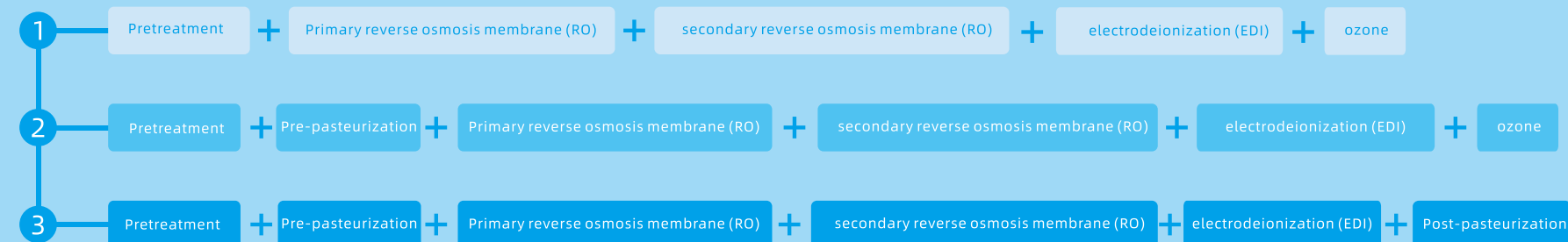
SSY-CH

Pharmaceutical purified water system

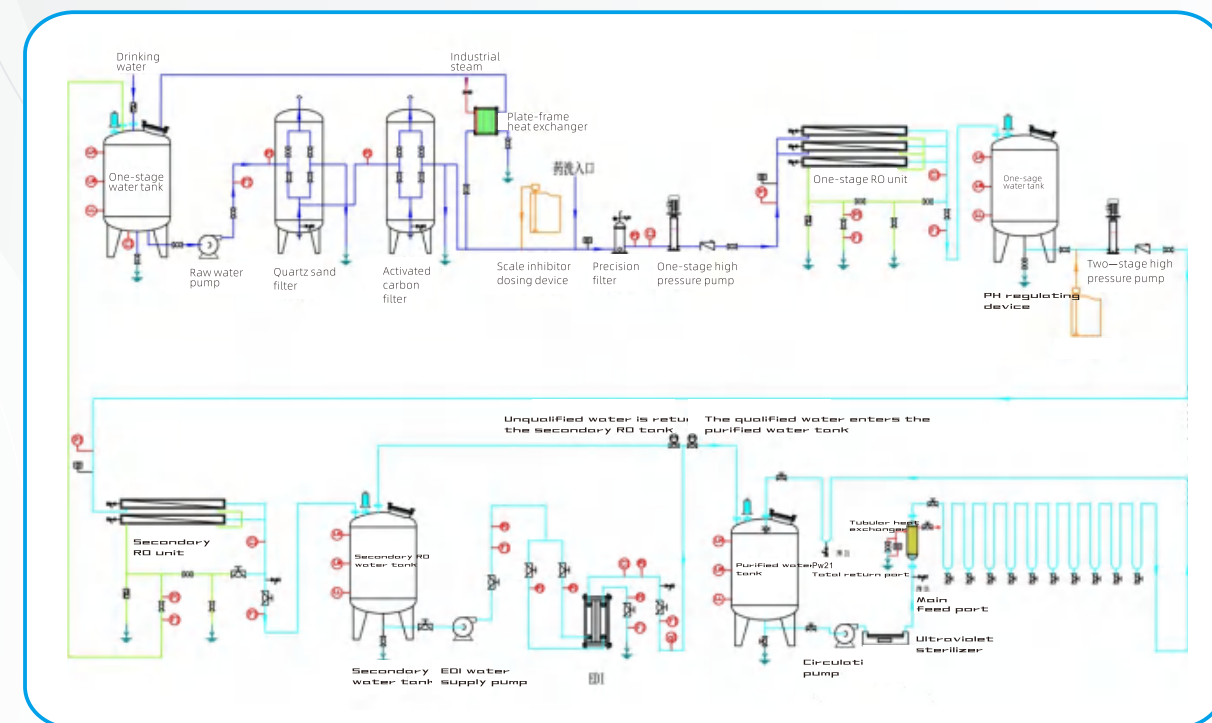


The system takes reverse osmosis desalting technology as the core process and multimedia filter, activated carbon filter and softening filter as the pretreatment to ensure that the water quality meets the operating conditions of reverse osmosis system. Ultraviolet sterilization, pasteurization, ozone sterilization and other sterilization processes for purified water, system pipeline and purified water storage tank, to ensure that the water quality meets the Chinese Pharmacopoeia (2020 version) purified water standards, YYT1244-2014 in vitro diagnostic reagent purified water standards.

Purification water equipment process configuration



Purified water system process flow



Full system solution

Water treatment system integrated services

Provide system design, system equipment, installation and commissioning. Training, GMP verification consultation, operation maintenance and other whole process services.

Industry system solutions

We provide solutions for water demand in medical devices, hospital biopharmaceuticals, cosmetics, food, health products, electronics, energy and other fields.

360 full bit service

Provide system design, system equipment, installation and commissioning. Training, GMP verification consultation , operation maintenance and other whole process services.

Customized according to user needs
and our optimization suggestions

Fully understand customer requirements for use scenarios, product specifications, product processes, system configuration and other tailored design.

**Product selection, manufacturing,
high quality product manufacturing**

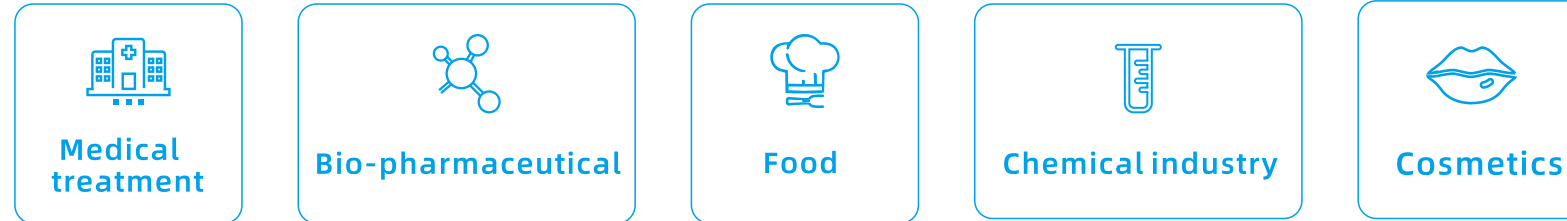
Select high-quality raw materials, manufacturing according to standardized process and process audit drawings strict quality inspection, the whole machine 99% of the automatic welding equipment and technology.

Intelligent cloud platform - data management

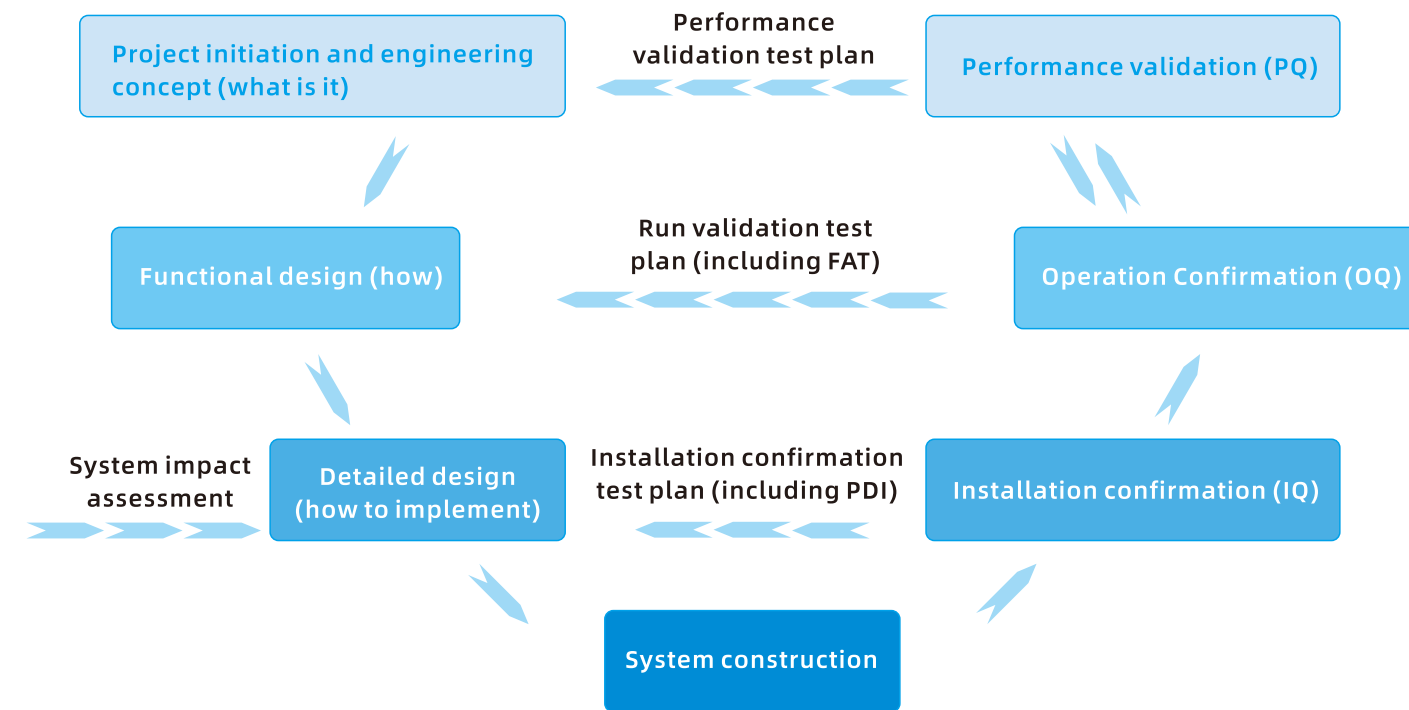
Mobile Internet of things remote monitoring data platform, system operation problems timely feedback an APP\ computer \Pad.

Scope of application

Purified water



GMP project process



Water for injection

SSY—ZS

Water for injection system

Standardized high temperature and high pressure operation to ensure stable production of pyrogen free water for injection. Water for injection produced by the water for injection system, It meets the water quality standards of the current United States Pharmacopoeia USP36 , European Pharmacopoeia 7.0, and Chinese Pharmacopoeia 2010.

Scope of application



Medical



Biopharma



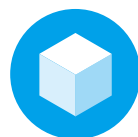
Scientific research
experiment

Standardization system design



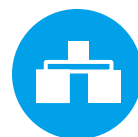
Design standard

Based on the latest Chinese, American and European Pharmacopoeia standards, ensure that the design complies with CGMP and GAMP specifications, GMP and FDA certification requirements



Demand simulation design

Customers participate in the whole process, the details of the effect in advance display, all-round protection of the realization of customer needs



Structural integration design

99% of the machine adopts automatic welding equipment and process, so that the structure - - body, to ensure that the low time cost to complete the efficient operation



Tailor it to your needs

Fully understand customer requirements for product specifications, product process, system configuration and other tailored design

System features

Standardized manufacturing

Preferred raw materials, professional equipment standardization layer upon layer quality inspection. Detail modular design, accurate construction according to the drawing.

Strict quality control

Water quality online monitoring, GMP consulting services and GMP verification system documents.

All-round security guarantee

Level of authority to prevent unauthorized personnel from touching. Real-time detection of key positions, automatic fault alarm record. Remote monitoring data, system operation problems timely feedback.

Streamline operation process from multiple angles

Ergonomic basis to determine the height of each module, In line with the average height of the Chinese people. One-click startDynamic, low time cost to achieve operation and maintenance.

SSY-XD-Y

Laboratory sewage treatment system

Modular design



Compound disinfection

Ozone disinfection, ultraviolet sterilization
Chlorine dioxide, potassium bisulfate
defoamer, sodium hypochlorite



No secondary pollution

No leakage, No odor
No residue, No exhaust gas



Smart Cloud Platform (optional)

APP remote user management
On-line monitoring and fault diagnosis



Modular multi-effect processing (optional)

Chemical method
Physical method



Precise automatic drug delivery

Low cost of consumables
No special person is required to
adjust PH online

System Advantage

01

Intelligent start-stop device

The liquid level sensor can intelligently start and stop the equipment to avoid unnecessary energy consumption.

02

Precise control of drug use

According to the precise PH meter, the PH of water is adjusted with high precision to save the amount of medicine.

03

Accurately check the handling capacity

The use of electromagnetic ultrasonic flow device, accurately determine the cumulative throughput and instantaneous throughput.

04

Multi-terminal remote control

Using PLC control technology, through APP, PC, WEB and other terminals to complete remote system control, parameter setting, system alarm, system cleaning, system emptying, drug feeding and other functions.

05

Multi-directional on-line detection

A variety of online testing devices can be used to determine the water quality: temperature, pressure, PH, SS, COD, ammonia nitrogen, total phosphorus, etc., with data collection, monitoring, alarm and other functions.

06

Multi precision to improve water clarity

The miniature high-efficiency precipitation device can increase the retention time of water by a specific inlet way, and separate the ion complexes in water through specific structures such as slope, taper bucket and inclined plate, greatly improving the clarity of the water.

07

Micro-electrolysis secondary enhanced purification

The micro-electrolytic device gradually hydrolyzes Fe^{3+} generated by Fe^{2+} oxidation into $Fe(OH)_3$ colloidal flocculant with high degree of polymerization, which can effectively adsorb and condense pollutants in water, thus enhancing the purification effect of wastewater.

08

Multi-module special purpose

The modularization of the system can quickly change the treatment module according to different types of wastewater, which increases the wide use of equipment quickly and effectively.

09

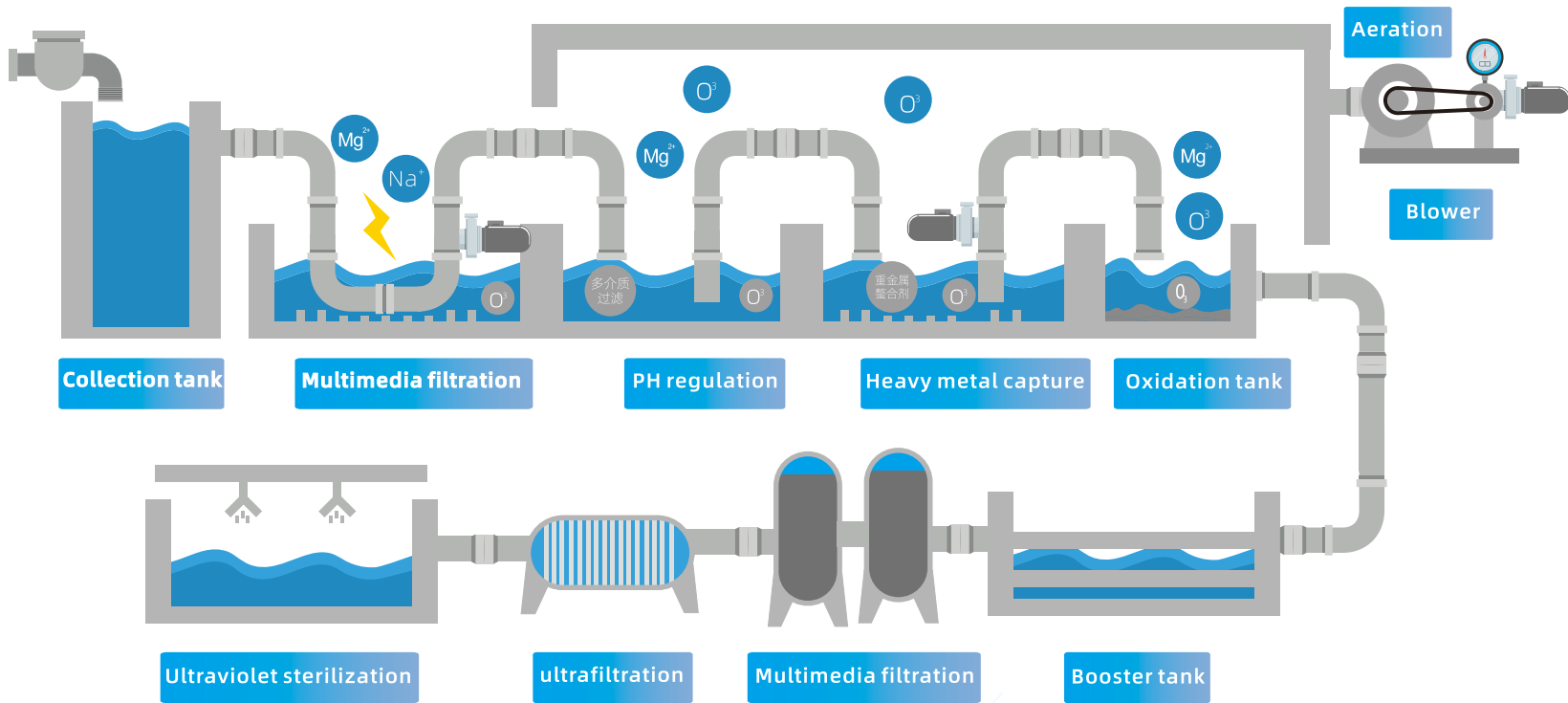
Device set item removes heavy metals

Heavy metal chelation capture device, at room temperature and a wide range of value conditions, and $PHCu^{2+}Cd^{2+}$, Hg^{2+} , The chemical reaction of Pb^{2+} , Mn^{2+} , Ni^{2+} , Zn^{2+} , Cr^{3+} and other heavy metal ions can produce insolubility, low water content, and easy to remove flocculent precipitation in a short time, so as to remove heavy metals in wastewater.

SSY-XD-Y

Laboratory integrated sewage treatment system

The SSY-XD-Y laboratory comprehensive sewage treatment system treats various biochemical and physical indexes of laboratory sewage by means of a combination of sewage collection, sewage electrolysis, sewage precipitation, oxidation aeration, porous gap adsorption, biological treatment and other sub-processes. By complementation of each subsystem, COD, BOD and SS in sewage can be effectively removed. Chroma, turbidity and heavy metals can be used to change the treatment process of different subsystems according to the characteristics of different types of experimental sewage, so that the equipment can maintain the treatment capacity and efficiency of sewage. The equipment has the characteristics of high degree of automation, low operating cost, excellent sewage treatment effect and friendly interface between man-machine and home.



Basic Parameter

Model	Capacity	Running power	Input power	Overall Size
SSY-XD-Y500L	500L/D	1.5KW	AC220V/50HZ	3000*830*1600mm
SSY-XD-Y1000L	1000L/D			
SSY-XD-Y1500L	1500L/D			
≥2000L/D Customized				

Performance index

Implementation standard	Comprehensive sewage discharge standard (GB8978-1996) three-level standard
PH	6-9
COD	500
BOD	300
SS	400
Elemental phosphorus	0.3
Anionic surfactant	20
Formaldehyde	5.0
Implementation standard for biological pollution	Discharge Standard of Water Pollutants in Medical Institutions (GB 18466-2005) Discharge standard
Fecal escherichia coli	500
Enterovirus	Non-detectable
Intestinal pathogenic bacteria	Non-detectable
Water intake standard	In line with the "Comprehensive sewage Discharge Standard" (GB 8978-1996) the maximum limit of the second type of pollutants level 1 standard related requirements
Control system	Adopt SSYPLC central control system, on-line monitoring; (Optional) APP remote control,
Equipment operating temperature	0-50°C

SSY-XD



Application field



Medical Institution

Laboratory/Pathology/Operating Room/Preparation room/
Experience Center/Stomatology/Cosmetology Sewage
produced by institutions



Center for Disease Control and Prevention

Sewage produced by the laboratory of physical and chemical
examination/microbiology /PCR/P2/P3/P4 etc

Process characteristics

Perfect treatment process

Chemical reaction, aeration oxidation, photo-catalytic reaction, strong oxidation sterilization, multi-media filtration, radiation disinfection and other technologies are used to treat all kinds of pollutants in sewage.

High efficiency sterilization

Compared with the traditional disinfection equipment, the operation of the traditional equipment needs at least 10 minutes. Staphylococcus aureus and pseudomonas aeruginosa, which are the most susceptible to infection in the hospital, can be killed in only 5 seconds in ozone, and its bactericidal power is far more than that of alcohol and chlorine.

Intelligent monitoring

Intelligent man-machine control system is used to monitor and control the water quality change and treatment process of sewage in real time. Realize all-weather automatic operation without special duty.

Precise adding

The import metering pump is used to accurately control the dosage, and the liquid level control, lack of medicine alarm device.

Full aeration

Advanced aerator is used to make the air and water contact fully and the reaction is complete.

Easy to operate

Easy to operate, stable operation, long service life, low operation and maintenance costs.

Basic parameter

Model	Capacity	Running power	Input power	Overall Size
SSY-XD-400L	400L/D	750W	AC220V/50HZ	680*560* 1440mm
SSY-XD-800L	800L/D			
SSY-XD-1200L	1200L/D			
≥2000L/D Customized				

Performance index

Implementation standard for biological pollution	Discharge standard for Water Pollutants in Medical Institutions "GB 18466-2005"
Fecal escherichia coli	5000
Enterovirus	N/A
Pathogenic entero bacteria	N/A
SS	60
Control system	Adopt SSYPLC central control system, on-line monitoring; (Optional) APP remote control,
Equipment operating temperature	0-50℃

SSY-UPJ/UPH

Lab Intelligent all-in-one system
(10-100L/H)



According to standard



Technical characteristics



Smart touch screen real-time display
Intelligent color touch screen operating system, - key operation, rich configuration screen real-time online display of equipment running status information.



Imported components extend service life
Originally imported from the United States Dow reverse osmosis membrane, to ensure pure water quality, extend the service life of the post purification column.



NFS authentication pipe connector
Using NSF certified pipes and joints, greatly reduce the amount of TOC precipitation in the system, and ensure the quality of water produced.

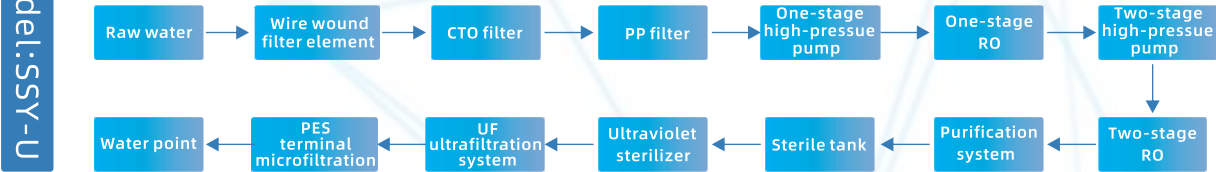


High efficiency sterilizer
PES composite filter element imported.



PES composite filter element imported
PES polyether alum composite membrane filter element imported to ensure the end of the water quality asepsis.

Process flow chart

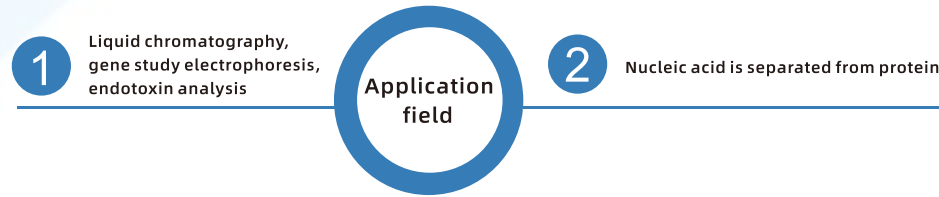


Technical parameter

Model	SSY-UPJ-10/20/30/40/60/80/100L (Basic type)	SSY-UPH-10/20/30/40/60L (Life science type)
Capacity	10/20/30/40/60/80/100L/H	10/20/30/40/60L/H
Electrical resistivity	10-18.2MΩ.cm	15-18.2MΩ.cm
Total organic carbon TOC	<10ppb	<5ppb
Bacteria	Bacteria ≤0.01CFU/ml	
Pyrogen/Endotoxin	N/A	<0.001Eu/ml
Ribonuclease	N/A	<1pg/ml
Deoxyribonuclease	N/A	<5pg/ml
Heavy metal ion	<0.01ppb	<0.01ppb
Particle&bacterial retention rate	>99.9%	>99.9%
One-stage RO conductivity	Conductivity≈ raw water conductivity x2%	Conductivity≈ raw water conductivity x2%
Two-stage RO conductivity	N/A	≤5us/cm
Raw water requirement	Meet GB5749.2006 urban drinking tap water, water temperature 5-45℃, water pressure 0.2-0.4Mpa	
Size	Length x width x height : 700×560×1410mm	
Electrical requirements	AC220V/50Hz	
Power	350W	
Apply	Animal and plant cell culture Electrochemical interface study Test-tube baby Atomic absorption (AAS) Atomic emission (AES)	Ion chromatography (IC) Mass spectrometry (MC) Plasma emission spectroscopy (ICP) PCR,DNA sequencing TOC detection, IC HPLC,GC-MS,ICP-MS,AA Gel analysis

SSY-UPII

Lab ultra pure water
(5-20L/H)



According to standard

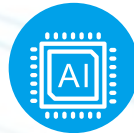


Technical characteristics



Smart touch screen real-time display

Intelligent PLC and true color touch screen control system, real-time remote online monitoring and display of equipment operation of various status information.



Intelligent electronic chip

The purification system uses intelligent electronic chip control to protect the safety of consumables.



Imported ultrafiltration membrane components

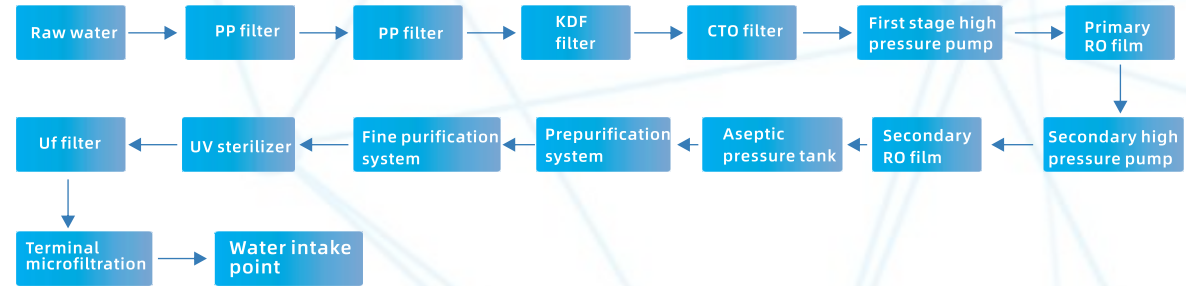
Imported ultrafiltration membrane components, effectively intercept bacteria and endotoxins, to ensure water safety.



Compound sterilization method

Dual wavelength ultraviolet and imported PES filter compound sterilization method to ensure the water quality asepsis.

Process flow chart



Technical parameter

Model number	SSY-UPII-5/10/15/20L		
Water yield	5/10/15/20L/H		
Resistivity (25°C)	18.25MΩ.cm		
Total organic carbon TOC	<3ppb		
Bacteria	Bacteria ≤0.01CFU/ml		
Pyrogen/endotoxin	<0.001Eu/ml		
Ribonuclease(RNases)	<1pg/ml		
Deoxyribonuclease(DNases)	<5pg/ml		
Heavy metal ion	<0.01ppb		
Particle and bacterial retention rate	>99.9%		
First order RO conductivity	Conductivity ≈ raw water conductivity x2%		
Secondary RO conductivity	≤5us/cm		
Raw water requirement	Meet GB5749.2006 urban drinking tap water, water temperature 5-45°C, water pressure 0.2-0.4Mpa		
Dimension	Length x width x height 457x300x610mm		
Electrical requirements	AC220V/50Hz		
Power	150W		
Application	Animal and plant cell culture Electrochemical interface study Test-tube baby Atomic absorption (AAS)	Atomic emission (AES) Ion chromatography (IC) Mass spectrometry (MC) Plasma emission spectroscopy (ICP)	PCR, DNA sequencing TOC detection, IC HPLC、GC-MS、ICP-MS、AA Gel analysis

SSY-UP

Laboratory -
Standard type
(5-20L/H)



According to standard



技术特点



Water quality real-time control
Perfect online monitoring and alarm system, real-time display of water quality.



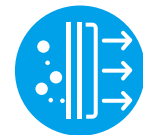
NFS authentication pipe connector
Using NSF certified pipes and joints, greatly reduce the amount of TOC precipitation in the system, and ensure the quality of water produced.



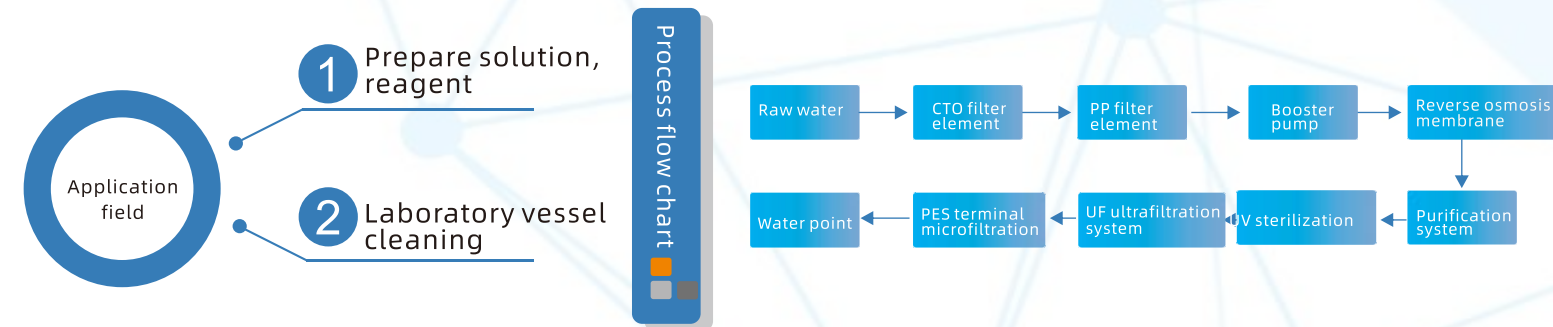
High efficiency sterilizer
Using imported double wavelength UV sterilizer, efficient sterilization, reduce TOC content.



Intelligent linkage switch
With UV lamp linkage control, when the water is turned on, shut off when the water is stopped, in order to extend the service life of the UV lamp.



PES composite membrane filter element imported
Imported PES polyalum composite membrane filter element, to ensure the terminal water quality asepsis.



Technical parameter

Model number	SSY-UP-5/10/20L (Economy)
Water yield	5/10/20L/H @25°C(Water production decreases by about 3% for every 1°C decrease in temperature)
Resistivity (25°C)	15-18.2MΩ.cm
Heavy metal ion	< 0.1ppb
Bacteria	<1 CFU/ml
Particulate matter (>0.1μm)	<1个/ml
Ion retention rate	97-99%
Organic matter retention rate	>99% when MW>2000 Dalton
Particle and bacterial retention rate	> 99%
Raw water requirement	Meet GB5749-2006 urban drinking tap water, water temperature 5-45°C, water pressure 0.2-0.4Mpa
Dimension	Length x width x height: 430x280x505mm
Electrical requirements	AC 220V/50Hz
Power	75W
Application	Daily analytical water Preparation solution flushing Utensil washing

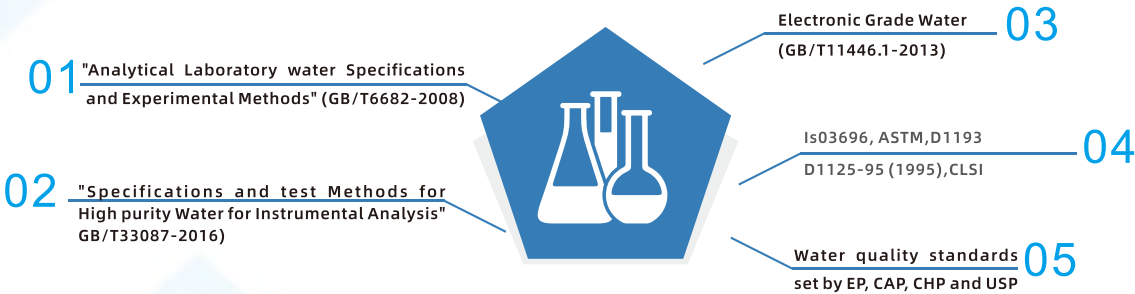
SSY—UPlittle

Laboratory intelligence
(5-20L/H)

(Adaptive arm)



Better than standard



Technical characteristics



Dual water intake mode
Can be taken at the same time a superpure UP water and a secondary RO pure water.



Water quality real-time control
Perfect online monitoring and alarm system, real-time display of water quality.



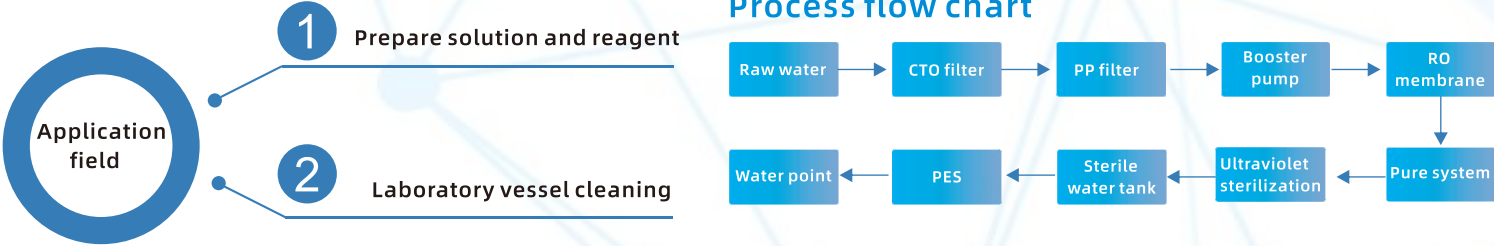
NFS authentication pipe connector
Using NSF certified pipes and joints, greatly reduce the amount of TOC precipitation in the system, and ensure the quality of water produced.



High efficiency sterilizer
Using imported double wavelength UV sterilizer, efficient sterilization, reduce TOC content.



PES composite membrane filter imported
Imported PES polyalum composite membrane filter element, to ensure the terminal water quality asepsis.

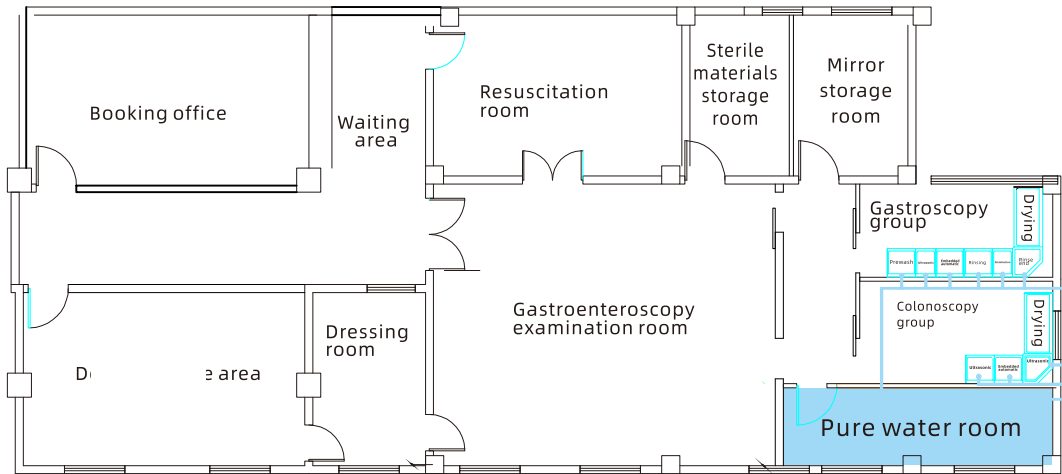


Technical parameter

Model	SSY-UPlittle-5/10/20L (Intelligent type)
Capacity	5/10/20L/H @25°C (Water production decreases by about 3% for every 1°C decrease in temperature)
Resistivity (25°C)	15-18.2MΩ.cm
TOC	<5PPb
Heavy metal ion	<0.1ppb
Bacteria	<1 CFU/ml
Particulate matter (>0.1μm)	<1个/ml
Ion retention rate	97-99%
Organic matter retention rate	>99% when MW>2000 Dalton
Particle and bacterial retention rate	>99%
Raw water requirement	Meet GB5749-2006 urban drinking tap water, water temperature 5-45°C, water pressure 0.2-0.4Mpa.
Size	Length x width x height: 460X355X590mm
Electrical requirements	AC220V/50Hz
Power	100W
Application	Daily analysis water ,Preparation solution flushing,Utensil washing

Endoscopic cleaning series

Endoscopy center is an important place for endoscopy and treatment of digestive system, which provides an important scientific basis for clinical diagnosis of digestive system diseases.



Department layout

Technical parameters (SSY-ED/SSY-EXD/SSY-HD/SSY-CD)

Source water requirement	Meet GB5749-2006 "Sanitary Standard for Drinking Water", TDS value $\leq 300\text{ppm}$
Ambient temperature	5-45°C
Source water pressure	Pressure value: 0.2-0.4Mpa
Water yield index	It meets the technical specification for cleaning and disinfection of soft endoscope W5507-2016.RO conductivity $< 15\mu\text{s}/\text{cm}@25^\circ\text{C}$; Total bacterial colonies $< 10\text{cfu}/100\text{ml}$.Bacterial removal rate 299.6% particles ($> 0.2\mu\text{m}$) $< 1/\text{ml}$.Ion retention rate 97%-99% organic matter retention rate $> 99\%$.

Note: (When the inlet water temperature drops by 1°C, the water yield of the equipment decreases by about 3%)

Preprocessing system

Adopt multistage automatic filtration integrated treatment system, effectively remove impurities and particulate matter and reduce residual chlorine, water hardness $\leq 0.03\text{mmol/L}$

Process characteristics

- Cyclic disinfection and sterilization**
With patented circulating disinfection and sterilization process, the water quality meets the latest requirements of endoscopic cleaning water
- PLC intelligent man-machine control system**
Convenient operation, real-time monitoring equipment running information
- Automatic disinfection mode**
Only one key operation, convenient and fast
- Multiple measuring instrument**
Real-time on-line monitoring of water quality, pressure and flow information
- Circulating flushing**
Periodic circulation flushing discharge, effectively avoid the formation of stagnant water
- Water leakage protection**
Automatic water leakage detection sensor, water leakage in time to cut off
- Historical query**
Complete historical data recording function, automatically save water quality data, support query and download

Basic parameter

Model	Capacity	Running power	Input power	Overall Size
SSY-ED-200L	200L/H			
SSY-ED-250L	250L/H	2.2KW	AC220V/50Hz	1100*730*1600mm
SSY-ED-300L	300L/H			
SSY-ED-500L	500L/H	2.5KW	AC220V/50Hz	1100*730*1600mm

SSY-ED



SSY-CD

All stainless steel can be customized
(500-6000L/H)



- Membrane automatic cleaning technology
Automatic on-line timing flushing RO film, prevent film scaling, prolong the service life of the film automatic multistage pretreatment system
- Automatic multistage preprocessing system
Effectively remove impurities and reduce residual chlorine hardness
- Modular design
Facilitate later maintenance and expand capacity
- On-line high precision monitoring instrument
Real-time online display of water quality, pressure, flow and other information
- Cyclic sterilization
With invention patent and utility model patent cycle disinfection and sterilization process
- Fully automatic operation
A variety of intelligent protection functions, no special duty
- Water leakage protection
Automatic water leakage detection sensor, water leakage in time to cut off

Basic parameter

Model number	Treated water volume	Operating power	Input power supply	Overall dimension
SSY-CD-500L	500L/H		AC220V/50Hz	1600*750*1650mm
SSY-CD-750-1500L	750/1000/1500L/H	2.2/3.0/4.0-10.0KW	AC380V/50Hz	1600*750*1650mm
SSY-CD-2000L	2000L/H		AC380V/50Hz	1200*750*1650mm
				Customizable

SSY-HD

(60-150L/H)



Full touch screen man-machine interface

Real-time detection of equipment running state, with manual emergency operation mode, emergency use in case of failure

The system adopts imported reverse osmosis membrane group

Effectively increase the rated recovery rate/water yield, improve the desalting rate, prolong the service life of reverse osmosis membrane

Imported super quiet double pump set design

More stable operation, low noise, low energy consumption, high efficiency.

Multiple disinfection methods

Chemical cycle disinfection combined with ultraviolet online sterilization, effectively inhibit bacterial growth

Intelligent constant pressure water supply mode

According to the water consumption intelligent regulation of water supply speed, to meet different pressure requirements.

The fully intelligent balanced system operates safely

Set RO film automatic flushing function to prevent microbial breeding

Basic parameter

Model number	Treated water volume	Operating power	Input power supply	Overall dimension
SSY-HD-60L	60L/H			
SSY-HD-80L	80L/H			
SSY-HD-100L	100L/H	0.8KW	AC220V/50Hz	750*610*1410mm
SSY-HD-120L	120L/H			
SSY-HD-150L	150L/H			

SSY-CG

All stainless steel can
be customized
(500-6000L/H)



Preprocessing system

Automatic control mode, automatic regeneration flushing

Reverse osmosis system

Automatic positive and negative low pressure flushing function to avoid concentration polarization, phenomenon formation, extend the service life of the film

SUS304 stainless steel case

Anti-rust, anti-corrosion, stable performance, low failure rate, to ensure the safe and stable operation of equipment

Efficient salt removal technology

More suitable for high salt content areas, emergency mode function, to solve the uninterrupted water production

Operational status indication

High and low water level indication, pressure failure indication

Water leakage protection

Automatic water leakage detection sensor, water leakage in time to cut off water

Basic parameter

Model	Capacity	Running Power	Input Power	Overall Size
SSY-CG-500L	500L/H		AC220V/50Hz	1600*750*1650mm
SSY-CG-750-1500L	750/1000/1500L/H	2.2/3.0/4.0-10.0KW	AC380V/50Hz	1600*750*1650mm
SSY-CG-2000L	2000L/H		AC380V/50Hz	1200*750*1650mm
SSY-CG-3000-6000L				

Process characteristics

- The core components of the system are imported or domestic first-line brands, fully guaranteeing the stable operation of the equipment.
- It has a cyclic pulsating flushing function, and automatically enters the flushing function according to the set time to prevent the film performance attenuation.
- The patented technology of intelligent recovery of concentrated water is adopted to improve the utilization rate of raw water.
- Multistage automatic pretreatment system is adopted to automatically enter the regenerative flushing state according to the set time.
- Constant pressure frequency conversion water supply, according to the amount of water consumption automatically adjust the operating frequency, reduce energy consumption, reduce operating costs.
- The water leakage detection protection switch is added. Once water leakage occurs during operation, the protection switch will sense water leakage and carry out emergency power failure, so as to avoid serious water leakage.
- Pure water tank adopts sanitary 304 stainless steel aseptic water tank, air breathing apparatus is installed on the top, universal spray ball, rotating spray and wash the inner wall of the water tank to prevent bacteria breeding.

Basic parameter

Model	Capacity	Running Power	Input Power	Overall Size
SSY-GD-1000	1000L/H	6.5kW	AC380V/50Hz	1400*750*1700mm
SSY-GD-2000	2000L/H	8.5kW	AC380V/50Hz	1650*900*1700mm
SSY-GD-3000	3000L/H	12kW	AC380V/50Hz	1800*900*1700mm

Technical parameter

Raw water requirement	Urban tap water, TDS value ≤300ppm
Total system water production	2T/H (25° C inlet water temperature)
Raw water pressure	Water pressure 0.2-0.4mpa,
Producing water quality	Water quality meets WS310-2016 Supply room cleaning and disinfection specifications Conductivity < 5μs/cm (TDSs300ppm in raw water)

Note: (If the inlet water temperature drops by 1°C, the water yield of the equipment will decrease by about 3%)

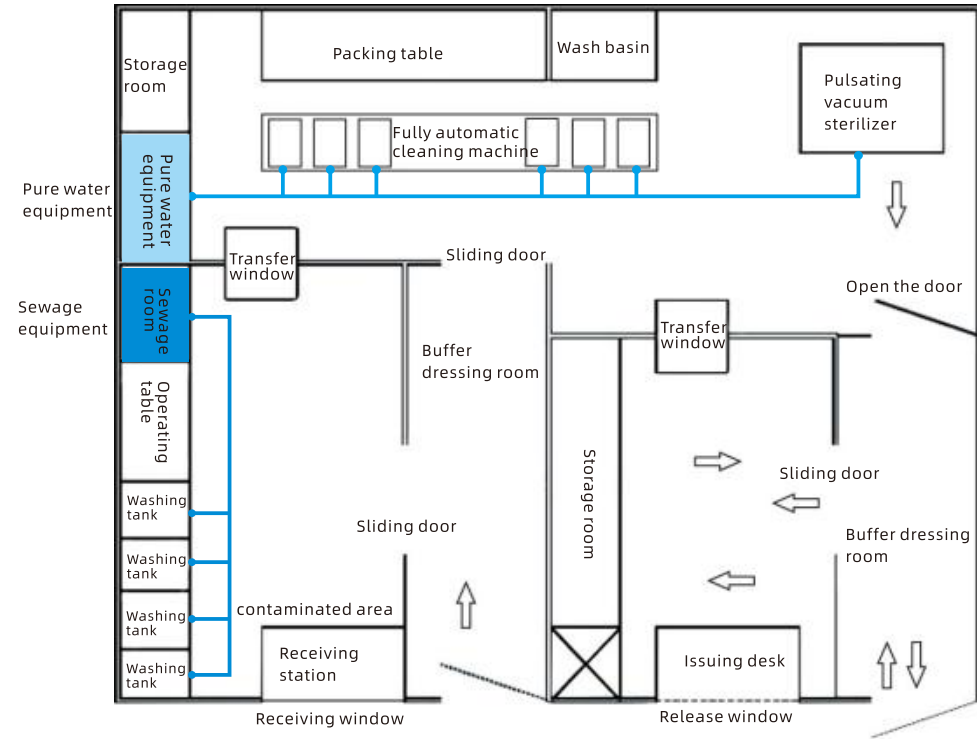
SSY-GD

Dual-mode dual-core
stainless steel process
(1000-6000L/H)



Cleaning and disinfecting series

The cleaning and disinfection center is the supply unit of various sterile articles in the hospital. It is responsible for the cleaning, packaging, disinfection and supply of medical equipment. If the disinfection is not thorough, it will cause hospital-wide infection, so it is very important to do a good job of supply room disinfection, but also an indispensable part of the hospital work Pure water equipment



Department layout

Technical parameters (SSY-CG/SSY-EG)

Raw water requirement	Meet GB5749-2006 Hygienic Standard for Drinking Water,TDS value <300ppm
Ambient temperature	5-45℃
Raw water pressure	Pressure value: 0.2-0.4 Mpa
Water yield index	Primary conductivity value: < 15μs/cm@25℃(standard for cleaning water) Secondary conductivity value: ≤5μs/cm@25℃(Standard for steaming water) (optional)Bacterial removal rate ≥99.6%; Granules (> 0.2um) <1 /ml; Ion retention rate 97%-99% organic matter retention rate > 99% Meet WS 310.1.2.3 -- -- 2016 Cleaning and Disinfection and Technical Specifications for Hospital Disinfection Supply Center (Supply Room)

Note: (When the inlet water temperature drops by 1℃, the water yield of the equipment decreases by about 3%)

Independent source water pressurization system

Solve the pressure fluctuation of tap water to ensure the normal operation of equipment

Constant pressure intelligent water supply mode

Water supply pressure can be adjusted as needed

Process characteristics

- Preprocessing system**
Pretreatment system adopts automatic control mode to automatically regenerate and rinse
- Equipped with various monitoring instruments**
Real-time on-line monitoring of pressure flow, water quality and other information
- Reverse osmosis system**
Reverse osmosis system automatic positive and negative low pressure washing function to avoid the formation of concentration polarization phenomenon, prolong the service life of the film
- Independent electronic control system display panel**
With automatic and manual, two modes of operation, real-time display of equipment running state information
- Water leakage protection**
Automatic water leakage detection sensor, water leakage in time to cut off
- Historical query**
Complete historical data recording function, automatically save water quality data, support query and download

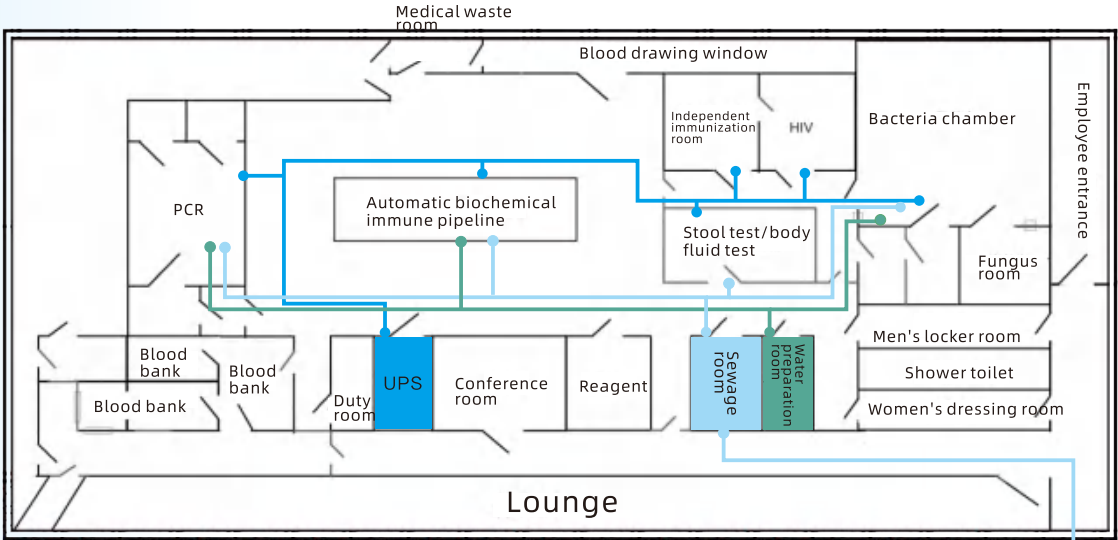
Basic parameter

Model number	Treated water volume	Operating power	Input power supply	Overall dimension
SSY-EG-200L	200L/H			
SSY-EG-250L	250L/H	2.2KW	AC220V/50Hz	1100*730*1600mm
SSY-EG-300L	300L/H			
SSY-EG-500L	500L/H	2.5KW	AC220V/50Hz	1100*730*1600mm

SSY-EG (200-500L/H)



Inspection analysis series



Hospital sewage network

Department layout

Technical parameter (SSY-E/SSY-H/SSY-II)

Source water requirement	Meet GB5749-2006 Hygienic Standard for Drinking Water,TDS value ≤300ppm
Ambient temperature	5-45℃
Source water pressure	Pressure value: 0.2-0.4Mpa
Water yield index	UP Ultra-pure water conductivity value 0.055-0.15μs /cm@25℃ (electrical resistivity 15.8-18.2MΩ·cm@25℃) RO pure water conductivity :< 15 s /cm@25℃ Bacterial removal rate >99.6%; Particle (> 0.2um) <1 /ml ion retention rate 97-99% organic matter retention rate > 99% The produced water quality conforms to the Class I/II/III water standards for YYT1244-2014 and WST574-2018 Analysis laboratory water

Note: (When the inlet water temperature drops by 1℃, the water yield of the equipment decreases by about 3%)

EDI continuous electric desalting module is used to replace the traditional DI column

Water quality is stable, can carry out online maintenance, 12 months zero consumables replacement

Process characteristics

- The whole process of online real-time display of equipment running state information, easy to achieve man-machine dialogue
- Connecting joints and connecting pipelines have NSF certification, greatly reducing the amount of TOC precipitation in the system and avoiding water pollution
- It has the function of quality water supply, and can produce pure water and ultra-pure water to meet different water needs
- With remote monitoring function, you can realize remote switch operation, parameter setting, program upgrade, etc

Basic parameter

Model number	Treated water volume	Operating power	Input power supply	Overall dimension
SSY-HDI-60L	60L/H	350W	AC220V/50Hz	700*560*1350mm
SSY-HDI-70L	70L/H			
SSY-HDI-80L	80L/H			
SSY-HDI-90L	90L/H			
SSY-HDI-100L	100L/H			
SSY-HDI-120L	120L/H			
SSY-HDI-150L	150L/H			

Source water requirement	Meet GB5749-2006 Sanitary Standard for Drinking Water pressure 0.2-0.4mpa,TDS ≤300ppm
Ambient temperature	5-45℃
Source water pressure	Pressure value: 0.2-0.4Mpa
Water quality	Pure water conductivity <5μs/cm, ultra-pure water resistivity 14-18.2MΩ·cm, bacterial removal rate ≥99.6%, particles (>0.2um) <1 /ML ion retention rate 97%-99%, organic matter retention rate > 99%. Comply with GB/T6682-2008 analysis laboratory water specifications and test methods of the first class water requirements

Note: (If the inlet water temperature drops by 1℃, the water production of the equipment will decrease by about 3%)



SSY-HDI
(60-150L/H)

SSY-H

(60-150L/H)

✓ 800-1 600
biochemical pipeline



Double channel electron purification column + super large capacity resin tank

Greatly increase the filling amount of resin, prolong the service life of consumables

Fully intelligent operation

With startup self-check, RO film automatic flushing, source water shortage alarm, start-stop automatic reset, full water automatic standby and other functions

Process characteristics

- The system adopts three-stage pretreatment design to prevent rapid scaling of RO film.
- Aseptic constant pressure module.
- Double pump booster mode to ensure stable desalting rate.
- Adopt imported SUS304 reverse osmosis membrane components high flux, high desalting rate, prolong the service life of consumables
- Integrated design, one key UP water intake, online monitoring of water pressure, water quality.
- Standard inlet terminal microfiltration system can effectively remove submolecular structure content.
- A multi-purpose machine provides open and pressure water supply at the same time.

Basic parameter

Model	Capacity	Running Power	Input Power	Overall Size
SSY-H-60L	60L/H	350W	AC220V/50Hz	700*560*1410mm
SSY-H-70L	70L/H			
SSY-H-80L	80L/H			
SSY-H-90L	90L/H			
SSY-H-100L	100L/H			
SSY-H-120L	120L/H			
SSY-H-150L	150L/H			

SSY-II

(20-80L/H)

✓ 400-600 speed
biochemical analyzer



Two-channel electron purification column

Increase the filling amount of resin, prolong the service life of consumables

Fully intelligent operation

With startup self-check, RO film automatic flushing, source water shortage alarm, start-stop automatic reset, full water automatic standby and other functions

Process characteristics

- Adopt imported reverse osmosis membrane components to improve the desalting rate and prolong the service life of consumables.
- Water and electricity separation modular composition, easy maintenance.
- Emergency mode function, uninterrupted water production, reduce the failure rate.
- Aseptic constant pressure module.
- Integrated design, one key UP water intake.
- A multi-purpose machine provides open and pressure water supply at the same time.

Basic parameter

Model	Capacity	Running Power	Input Power	Overall Size
SSY-II-20L	20L/H	150W	AC220V/50Hz	520*365*960mm
SSY-II-45L	45L/H			
SSY-II-50L	50L/H			
SSY-II-60L	60L/H			
SSY-II-80L	80L/H			

SSY-E

(200-500L/H)



Test the biochemical immune line

Process characteristics

- Constant pressure intelligent water supply mode, water supply pressure can be adjusted according to demand.
- Automatic fault reset, automatic emergency handling function.
- Double wavelength ultraviolet sterilizer is used to effectively sterilize and reduce TOC.
- Preprocessing supports 48 hours memory and automatic regeneration rinse.
- Terminal 0.22um microporous filter removes bacteria and viruses.
- Automatic water leakage detection sensor, water leakage in time to cut off.
- Complete historical data recording function, automatically save water quality data, support query and download.

Basic parameter

Model	Capacity	Running Power	Input Power	Overall Size
SSY-E-200L	200L/H			
SSY-E-250L	250L/H	2.2KW	AC220V/50Hz	1100*730*1600mm
SSY-E-300L	300L/H			
SSY-E-500L	500L/H	2.5KW	AC220V/50Hz	1100*730*1600mm

Medical laboratory center centralized water supply system

Process characteristics

- Automatic regeneration washing at night, effectively prolong the service life of consumables.
- Modular design and installation, with excellent upgradable capability.
- Full intelligent control system, stable performance and low failure rate, to ensure the safe and stable operation of equipment.
- Automatic water leakage detection sensor, water leakage in time to cut off.
- Double wavelength ultraviolet sterilizer is used to effectively sterilize and reduce TOC.
- Terminal 0.22um microporous filter removes bacteria and viruses.

Technical parameter

Raw water requirement	Meet GB5749-2006 "Sanitary Standard for Drinking" ,TDS < 300ppm
Ambient temperature	5-45℃
Raw water pressure	Water Pressure : 0.2-0.4Mpa
Producing water quality	UP ultra-pure water conductivity value: 0.055-0.15s/ m@25C water tandard or laboratory)RO pure water conductivity value: 0-15S/cm 5C(supply oom ater standard)Bacterial removal rate ≥99.6%; Granules (> 0.2um) <1 /ml;

Note: (If the inlet water temperature drops by 1% C, the water yield of the equipment will decrease by about 3%)

Basic parameter

Model	Capacity	Running Power	Input Power	Overall Size
SSY-C-500L	500L/H		AC220V/50Hz	1600*750*1650mm
SSY-C-750/1500L	750/1000/1500L/H	2.2/3.0/4.0-10.0KW	AC380V/50HZ	1600*750*1650mm
SSY-C-2000L	2000L/H		AC380V/50HZ	1200*750*1650mm
SSY-C-3000L以上	Customized			

SSY-C

(500-2000L/H)



SSY-GDE (250-3000L/H)



Basic Parameter

Model	Capacity	Running power	Input power	Floor space
SSY-GDE-250L	250L/H	3.5kw	AC220/50Hz	10-12m ²
SSY-GDE-500L	500L/H	4.0KW		10-14m ²
SSY-GDE-1000L	1000L/H	4.5KW		16-18m ²
SSY-GDE-1500L	1500L/H	5.0KW	AC380V/50Hz	18-20m ²
SSY-GDE-2000L	2000L/H	6.0KW		20-24m ²
SSY-GDE-3000L	3000L/H	7.0KW		Customized

Technical parameter

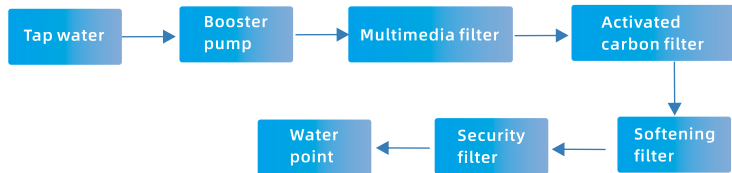
Raw water requirement	Meet GB5749-2006 "Drinking water hygiene Standard",TDS value <300ppm
Ambient temperature	5-45℃
Raw water pressure	Pressure value : 0.2-0.4Mpa
Water yield index	EDI ultra-pure water resistivity:15-18.2MΩ·cm@25℃ First order conductivity value: < 15μs /cm@25℃;Secondary conductivity value: ≤15μs /cm@25℃ Bacterial removal rate ≥99.6%; Granule (>0.2um) <1 /ml; Ion retention rate 97%-99% Organic matter retention rate >99%Meet GB/T6682-2008 analysis laboratory water I/ II/III water standards; YY/T 1244-2014 In vitro diagnostic reagent water

Note: (If the inlet water temperature drops by 1℃, the water yield of the equipment will decrease by about 3%)

SSY-PF (2-20T/H)



Process flow chart



Process characteristics

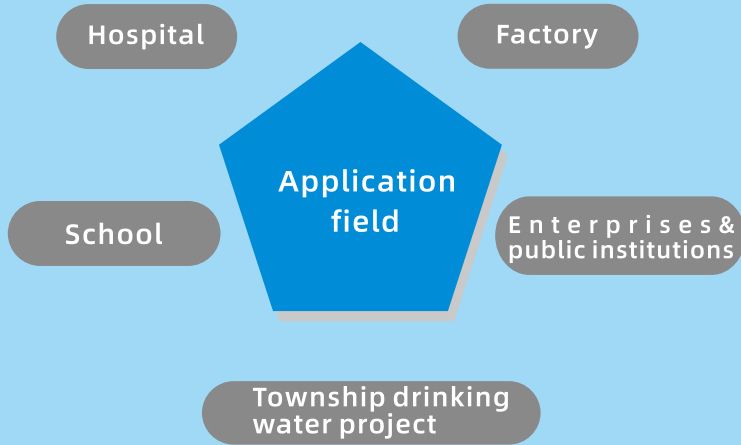
- Four-stage filtration is adopted to ensure stable effluent quality.
- Control valve adopts automatic control valve, high degree of automation and more stable and reliable operation.
- Advanced program control device, accurate and reliable operation, instead of manual operation, fully realize the automatic conversion of each link of water treatment.
- High efficiency and low energy consumption, low operating cost, the use of jet salt suction instead of traditional salt pump, reduce energy consumption.
- Integrated structure process design, small footprint.
- Standard mute centrifugal booster pump to ensure the water pressure stability.
- Automatic control mode, according to the water consumption automatic control equipment start and stop.

Model	SSY-PF
Water intake requirement	Residual chlorine <0.1ppm turbidity < 0.3ppm M n < 0.3ppm total salt content < 500ppm pressure >0.2Mpa
Working pressure	0.15-0.6Mpa
Working tempreture	5-50℃
Power	220V/50Hz ~ 380V/50Hz
Water yield	Depends on the size of the model
Water hardness	< 0.03MMOL/L(raw water hardness < 8MMOL/L)

Direct Drinking Water System

Product features

Sanitary sterile water tank
Pure water tank adopts stainless steel sterile water tank, installation of air breathing apparatus water spray ball, can effectively prevent the air of microparticles and bacteria into the tank, so as to avoid water pollution.



Combined bactericidal long - acting bacteriostasis

Combination sterilization mode, using ozone and ultraviolet online sterilization, effectively avoid the bacteria in the pipeline and biofilm formation.

Basic parameter

Model	Capacity	Power	Input power	Overall size
SSY-ROJ-5T	5T/H	7kW	AC380V/50HZ	1600*750*1670mm
SSY-ROJ-10T	10T/H	12kW	AC380V/50HZ	2000*900*1750mm
SSY-ROJ-20T	20T/H	20kW	AC380V/50HZ	3000*1000*1800mm
SSY-ROJ-30T	30T/H	30kW	AC380V/50HZ	4000*1200*1800mm

Technical parameter

Raw water requirement	Urban tap water, TDS value ≤300ppm
Ambient temperature	5-45℃
Raw water pressure	Water pressure 0.2-0.5mpa
Producing water quality	Microparticles with electrical conductivity ≤15μs/cm (>0.2um) < 1 / ml; Ion retention rate: 97-99%; Organic matter interception rate ≥99% Total number of colonies ≤100CFU/ml Executive standard: Standard for Drinking Water Quality (CJ94-2005)

Note: (If the inlet water temperature drops by 1℃, the water yield of the equipment will decrease by about 3%)

