



Hyperpurex®

S

Smart series

Laboratory water purification system

 HyperPureX

Excellent Both Internally and Externally Efficient and Concise



Hyperpurex[®]

S Smart series (SU/SD/SRS/SP)

Integrated Pure Water/Ultrapure Water System

Breakthrough design to highlight the aesthetics of science and technology.

S series, using the innovative automatic control system and LCD display, embedding new purification cartridges with patented structure, stable and reliable RO system with higher ion rejection rate, and DI ion-exchange cartridges with larger capacity, equipping with built-in 1.8-liter pressure water tank, more economical and cost-effective, is the economic choice for lab pure water.

System output ranges from 13 to 60 liters/h (SP series, with pure water inlet, output is up to 2 liters/minute). It can simultaneously produce ultrapure water (18.2MΩ.cm), high pure water (>17.5MΩ.cm) or pure water(<5μs/cm)^[1]. The quality of pure water fully meets or exceeds the requirements of water quality standard, specified by ASTM D1193-06, GB/T 11446.1-2013, GB/T 33087-2016, GB/T 6682-2008, CP, EP, USP, JP, CAP, CLSI, etc.

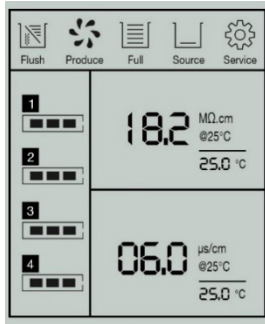
^[1] SU/SD series products can produce single RO water (ion rejection rate ≥ 98%). SRS series products can produce double RO water (<5μs/cm).

Application Area:

- HPLC、UPLC、LC-MS
- ICP-MS、ICP-AES、AAS、GC-MS
- MALDI-TOF-MS、IC、TOC analysis
- Electrochemical, spectrophotometric determination
- Preparation of microbial media and reagents
- Cell culture, PCR, IVF
- Protein purification, electrophoresis, biochemistry
- Proteomics, genomics, immunoassay
- Feed water of laboratory instruments, such as: autoclave, bottle washing machine, environmental test chamber, water bath, etc.

Smart and Concise System Design

Create Excellent Quality Both Internally and Externally



1 Easy-to-use automatic control system

- White LCD display, size up to 68*87mm, shows intuitive and easy-to-read running status.
- Real-time running status display of flushing, producing water, water full, water shortage and maintenance.
- 2 water quality sensors (RO water, DI water or UP water) can monitor water quality and alarm real-timely.
- 4 (PP/PC/RO/DI) consumables life management function, can real-timely display remaining life of consumables, automatically remind expiration replacement, and avoid water quality declines.
- Acrylic touch panel, with 3-button layout, achieving fast system setup, RO forced flushing and easy 2-way water dispensing function, brings efficient and convenient operating experience.



2 Powerful 12-inch pretreated cartridge

- 2 in 1 composite cartridge-high performance activated carbon fiber and deep folding membrane, accuracy of 5μm, eliminates particles and adsorbs organics and residual chlorine efficiently, to avoid carbon powder precipitation maximumly.



3 Rigorous double RO system^[1]

- Double RO system can remove up to 99% soluble inorganic ions, 99% soluble organics, microorganisms and particles.
- Compared with single RO system, the double RO water quality can be stable <math><5\mu\text{s}/\text{cm}</math> (feed water conductivity <math><1500\mu\text{s}/\text{cm}</math>), and the life of the ultrapure unit is longer.
- Equipped with DuPont RO membrane, to achieve combination of long life, stability and high ion rejection rate.
- Auto-flushing function of RO module, to effectively prevent scale and prolong the life of the membrane.
- The automatic discharge function of unqualified RO water can ensure that the RO water quality is suitable to enter the back-end module.
- Integral package of discarded RO module, easy to install and maintain.

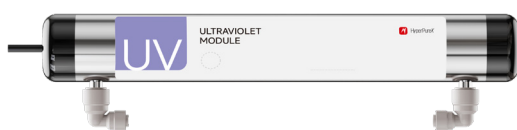
^[1] Applicable to SRS.



4 High performance purification cartridge^[1]

- Patented cartridge structure uses full droop flow mode to prevent the stratification of resin and ensure the exchange capacity of cartridge.
- The resin filling capacity per cartridge is up to 1.36 liters, and up to 2 cartridges can be equipped every host, with a total filling capacity of 2.72 liters, achieving greater ion exchange capacity and significantly reducing the running cost.
- All DuPont resin and high purity material of column ensure absolute 18.2MΩ.cm of ultrapure water resistivity and reduce TOC precipitation.

^[1] According to different model, cartridge configuration is different. For details, refer to the product manual.



5 Double wavelength UV module^[1]

- Long-life ultraviolet lamp (185&254nm), combined with SUS316L flow shell, can reduce the value of TOC to $\leq 2\text{ppb}$ ^[2], and can achieve efficient sterilization and inhibit bacterial growth, suitable for HPLC, UPLC, LC-MS and other precision instruments.

^[1] Applicable to ultrapure water systems equipped with UV module.

^[2] The values vary depending on the nature and concentration of contaminants in source water.



6 Ultrafiltration module^[1]

- With PES membrane and MWCO>5000D, effectively removes pyrogen/endotoxin, RNase, DNase, and produces nuclease-free, proteinase-free and bacterial-free ultrapure water, suitable for life science applications, such as cell culture/IVF.

^[1] Applicable to ultrapure water systems equipped with UF module.



8 MF terminal microfilter^[1]

- (0.45+0.2) μm double-layer PES membrane ensures microbial retention, effectively removes particles and bacteria, and meets critical application requirements.

^[1] Applicable to ultrapure or high-pure water system. For details, refer to the product manual.



8 Built-in 1.8-liter pressure water tank

- With dual functions of water storage and pressurization, FDA approved, its fully enclosed structure effectively isolates air, and prevent the touching of CO₂ and other pollutants with pure water. Up to 100 liters is optional volume.
- 60 or 120 liters pure water tank with liquid level sensor, equipped with air filter, is optional to achieve more professional pure water storage.



9 UF terminal ultrafilter^[1]

- With PES membrane and MWCO>15000D, effectively removes pyrogen/endotoxin, RNase, DNase, and produces nuclease-free, proteinase-free and bacterial-free ultrapure water, suitable for life science applications, such as cell culture/IVF.

^[1] Optional accessory for ultrapure water system only.

Combination Of Technology & Aesthetics

Creating highlights both inside and out



All injection molded housing

- New and advanced manufacturing process bring compelling customer experience.
- With geometric surfaces and simple lines, to show rich three-dimensional sense. With extraordinary imagination, to highlight the aesthetics of science and technology. Beautiful & Easy to use.

Innovative design of cartridge structure

- Patented 3-chamber design, compatible with packaging of PP/PC/RO/DI cartridge, to ensure consistency.
- Patented clamping mechanism, easier and more efficient to install and replace the cartridge.
- Patented error-proofing design, effective to avoid installation errors of different cartridges.
- 12-inch cylinder with 1.36L resin filling capacity brings more bigger ion exchange capacity and more effective filtration.
- Encrypted long serial number verification code can identify the authenticity of cartridges, record the use and replacement of cartridges, and ensure the safety of the system.



Powerful HiDis water dispenser arm (Optional)

- Color display, to monitor dispensing resistivity, water temperature, flow rate, single and cumulative water quantity.
- General, quantitative, instant - 3 water dispensing modes cycle, meeting with needs of different water dispensing mode.
- It can be fixed on the bracket in any direction of 360 degrees horizontally, making dispensing water more flexible in different directions.
- Function of circulating with the host can always ensure the quality of pure water.
- Equipped with 0.2 μ m MF terminal microfilter or UF terminal ultrafilter, to produce bacterial-free, nuclease-free, proteinase-free ultrapure water.
- Up to 5 sets of HiDis water dispenser arm can be connected to one host, fully covering the pure water usage range on the laboratory table.

	2021-03-08 11:35
Dispensing Mode	18.2 MQ \cdot cm @25 $^{\circ}$ C
	3.2 ppb 25.2 $^{\circ}$ C
General	Flux 0000 ml/min
	Amount 500 ml



Professional PE pure water tank (Optional)

- Material: HDPE, double layer design. Anti-UV inhibitor is added to the outer layer to prevent the growth of algae inside and improve the durability of the tank. Pure PE raw material is used in inner layer to reduce material precipitation and ensure water quality safety.
- Drainage valve is installed at the cone bottom, which can empty the water tank and ensure thorough cleaning.
- Feeding from the bottom can reduce CO₂ absorption.
- The enlarged cover with seal can prevent air from entering and facilitate manual cleaning.
- Compound air filter is in the standard configuration, containing special packing and microporous membrane, to absorb CO₂ and organics, and filtrate bacteria and particles.
- UV disinfection module is optional to sterilize tank and inhibit the growth of bacteria in the tank.
- Equipped with an independent pressure sensor, independent level control module and LCD display, it can display the liquid level, storage (L) and storage percentage (%) of the water tank in real-time in the form of dynamic icons. A clear glance for storage status.

SU Smart series

Integrated Ultrapure Water System

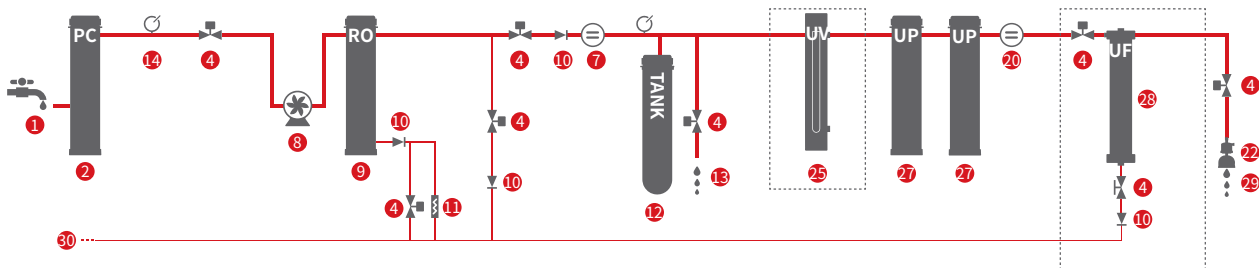
—Ultrapure water, RO^{1st} water

With tap water inlet, using the innovative automatic control system and LCD display, embedding new purification cartridges with patented structure, stable and reliable single RO system with higher ion rejection rate, and DI ion-exchange cartridges with larger capacity, equipping with built-in 1.8-liter pressure water tank.

System output: 20, 40, 60 liters/h. It can simultaneously produce ultrapure water (18.2MΩ.cm) and single RO water. The quality of pure water fully meets or exceeds the requirements of water quality standard specified by ASTM D1193-06, GB/T 11446.1-2013, GB/T 33087-2016, GB/T 6682-2008, CP, EP, USP, JP, CAP, CLSI, etc.



Flow Diagram



- | | | | |
|-----------------------------|-----------------------|-----------------------|--------------------------|
| ① Feed Water | ⑨ RO cartridge | ⑰ Three way valve | ⑲ UV Component |
| ② PP Pretreatment Cartridge | ⑩ One way valve | ⑱ High tension switch | ⑳ TOC Component |
| ③ Pressure sensor | ⑪ Flow Restrictor | ⑲ DI Cartridge | ㉑ UP Ultrapure cartridge |
| ④ Solenoid valve | ⑫ Pressure water tank | ㉒ Resistivity Sensor | ㉒ UF Cartridge |
| ⑤ Flow sensor | ⑬ RO Water Outlet | ㉓ Sanitization Block | ㉓ UP Water Outlet |
| ⑥ PC Pretreatment Cartridge | ⑭ Low tension switch | ㉔ Final Filter | ㉔ Drain Outlet |
| ⑦ Conductivity Sensor | ⑮ EDI Component | ㉕ DI Water Outlet | |
| ⑧ Pump | ⑯ PE water tank | ㉖ Dispenser arm | |

SU Specifications

Name	Standard	Low TOC	Eliminating endotoxin	Synthesizing
Model	SU-20/40/60	SU-20/40/60UV	SU-20/40/60UF	SU-20/40/60UVF
Production rate ^[1]	20 series: 20 L/hour, 40 series: 40 L/hour, 60 series: 60 L/hour			
Dispensing rate ^[2]	Up to 2 liters/minute	Up to 2 liters/minute	Up to 2 liters/minute	Up to 2 liters/minute
Ultrapure water quality ^[3]				
Resistivity (25°C) ^[4]	18.2 MΩ.cm	18.2 MΩ.cm	18.2 MΩ.cm	18.2 MΩ.cm
Conductivity (25°C)	0.055 μs/cm	0.055 μs/cm	0.055 μs/cm	0.055 μs/cm
TOC ^[5]	5 ppb ^[6]	2 ppb ^[7]	5 ppb ^[6]	2 ppb ^[7]
Particles ^[8]	<1 /ml (>0.2μm)	<1 /ml (>0.2μm)	<1 /ml (>0.2μm)	<1 /ml (>0.2μm)
Bacteria ^[9]	<0.01 CFU/ml	<0.01 CFU/ml	<0.01 CFU/ml	<0.01 CFU/ml
Endotoxin ^[10]	N/A	N/A	<0.001 EU/ml	<0.001 EU/ml
RNases ^[10]	N/A	N/A	1 pg/ml	1 pg/ml
DNases ^[10]	N/A	N/A	5 pg/ml	5 pg/ml
Protease ^[10]	N/A	N/A	0.15 μg/ml	0.15 μg/ml
RO^{1st} water quality ^[3]				
Ion rejection rate	98%-99% (with new RO module)	98%-99% (with new RO module)	98%-99% (with new RO module)	98%-99% (with new RO module)
Organic rejection rate	>99% (MW>300 Dalton)	>99% (MW>300 Dalton)	>99% (MW>300 Dalton)	>99% (MW>300 Dalton)
Particles and bacteria rejection rate	>99%	>99%	>99%	>99%
Feed water requirements				
Water source type	Tap water	Tap water	Tap water	Tap water
Pressure	1-6 bar	1-6 bar	1-6 bar	1-6 bar
Temperature	5-40 °C	5-40 °C	5-40 °C	5-40 °C
Conductivity	<2000 μs/cm	<2000 μs/cm	<2000 μs/cm	<2000 μs/cm
Total hardness (In CaCO ₃)	<300 ppm	<300 ppm	<300 ppm	<300 ppm
TOC	<2000 ppb	<2000 ppb	<2000 ppb	<2000 ppb
Free chlorine	<3 ppm	<3 ppm	<3 ppm	<3 ppm
PH	4-10	4-10	4-10	4-10
Dissolved CO ₂	<30 ppm	<30 ppm	<30 ppm	<30 ppm
Power supply	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz
Total Power	20 series: 48W, 40 series: 72W, 60 series: 120W			
Dimension (L×W×H)	Main host: 273×555×568mm	Main host: 273×555×568mm	Main host: 273×555×568mm	Main host: 273×555×568mm
weight	About 21KG	About 21KG	About 21KG	About 21KG
Standard configuration	Main host 1 set All cartridges 1 set Built-in 1.8-liter water tank 1 set	Main host 1 set All cartridges 1 set Built-in 1.8-liter water tank 1 set	Main host 1 set All cartridges 1 set Built-in 1.8-liter water tank 1 set	Main host 1 set All cartridges 1 set Built-in 1.8-liter water tank 1 set

[1] Affected by inlet water quality, pressure, temperature and status of RO membrane

[2] Affected by the tank status and terminal filter

[3] The following values are typical and may vary depending on the nature and concentration of feed water contaminants

[4] According to USP requirements, the resistivity can be displayed as a non-temperature-compensated value

[5] Affected by the type of organics

[6] Inlet TOC<1000ppb, follow professional operating procedures and correct sampling conditions

[7] Inlet TOC<50ppb, follow professional operating procedures and correct sampling conditions

[8] Equip with terminal microfilter and follow professional operating procedures and correct sampling conditions

[9] Equip with terminal microfilter and follow professional operating procedures and correct sampling conditions

[10] Equip with terminal ultrafilter and follow professional operating procedures and correct sampling conditions

SD Smart series

Integrated Pure Water System

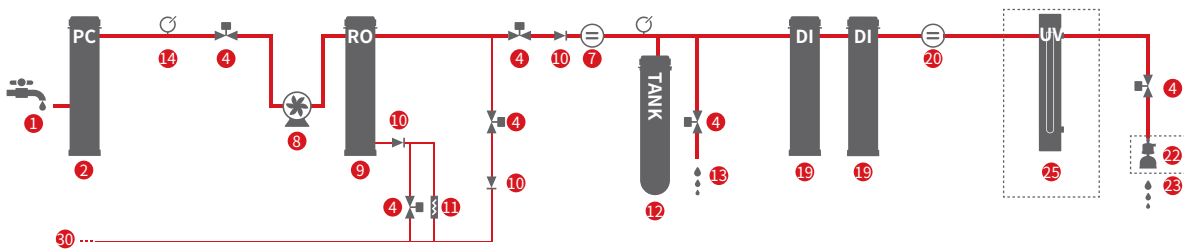
—High pure water, RO^{1st} water

With tap water inlet, using the innovative automatic control system and LCD display, embedding new purification cartridges with patented structure, stable and reliable single RO system with higher ion rejection rate, and DI ion-exchange cartridges with larger capacity, equipping with built-in 1.8-liter pressure water tank.

System output: 20, 40, 60 liters/h. It can simultaneously produce high pure water (>17.5MΩ.cm) and single RO water. The quality of pure water fully meets or exceeds the requirements of water quality standard specified by ISO3696 (Grade 2), GB/T 6682 (Grade 1), ASTM D1193 (Type II reagent water), JIS K0557, etc., also meets the purified water technical requirements of CP, EP, USP, JP and other national pharmacopoeia.



Flow Diagram



- | | | | |
|-----------------------------|-----------------------|-----------------------|--------------------------|
| ① Feed Water | ⑨ RO cartridge | ⑰ Three way valve | ⑳ UV Component |
| ② PP Pretreatment Cartridge | ⑩ One way valve | ⑱ High tension switch | ㉑ TOC Component |
| ③ Pressure sensor | ⑪ Flow Restrictor | ㉒ DI Cartridge | ㉒ UP Ultrapure cartridge |
| ④ Solenoid valve | ⑫ Pressure water tank | ㉓ Resistivity Sensor | ㉓ UF Cartridge |
| ⑤ Flow sensor | ⑬ RO Water Outlet | ㉔ Sanitization Block | ㉔ UP Water Outlet |
| ⑥ PC Pretreatment Cartridge | ⑭ Low tension switch | ㉕ Final Filter | ㉕ Drain Outlet |
| ⑦ Conductivity Sensor | ⑮ EDI Component | ㉖ DI Water Outlet | |
| ⑧ Pump | ⑯ PE water tank | ㉖ Dispenser arm | |

SD Specifications

Name	Standard	Eliminating bacteria and particle
Model	SD-20/40/60	SD-20/40/60UT
Production rate ^[1]	20 series: 20 L/hour, 40 series: 40 L/hour, 60 series: 60 L/hour	
Dispensing rate ^[2]	Up to 2 liters/minute	Up to 2 liters/minute
DI water quality ^[3]		
Resistivity (25°C) ^[4]	>17.5 MΩ.cm	>17.5 MΩ.cm
Conductivity (25°C)	<0.057 μs/cm	<0.057 μs/cm
Particles ^[8]	N/A	<1 /ml (>0.2μm)
Bacteria ^[9]	N/A	<0.01 CFU/ml
RO¹⁵ water quality ^[3]		
Ion rejection rate	98%-99% (with new RO module)	98%-99% (with new RO module)
Organic rejection rate	>99% (MW>300 Dalton)	>99% (MW>300 Dalton)
Particles and bacteria rejection rate	>99%	>99%
Feed water requirements		
Water source type	Tap water	Tap water
Pressure	1-6 bar	1-6 bar
Temperature	5-40 °C	5-40 °C
Conductivity	<2000 μs/cm	<2000 μs/cm
Total hardness (In CaCO ₃)	<300 ppm	<300 ppm
TOC	<2000 ppb	<2000 ppb
Free chlorine	<3 ppm	<3 ppm
PH	4-10	4-10
Dissolved CO ₂	<30 ppm	<30 ppm
Power supply	100-240V, 50/60Hz	100-240V, 50/60Hz
Total Power	20 series: 48W, 40 series: 72W, 60 series: 120W	20 series: 48W, 40 series: 72W, 60 series: 120W
Dimension (L×W×H)	Main host: 273×555×568mm	Main host: 273×555×568mm
weight	About 20KG	About 20KG
Standard configuration	Main host 1 set All cartridges 1 set Built-in 1.8-liter water tank 1 set	Main host 1 set All cartridges 1 set Built-in 1.8-liter water tank 1 set

[1] Affected by inlet water quality, pressure, temperature and status of RO membrane

[2] Affected by the tank status and terminal filter

[3] The following values are typical and may vary depending on the nature and concentration of feed water contaminants

[4] According to USP requirements, the resistivity can be displayed as a non-temperature-compensated value

[5] Affected by the type of organics

[6] Inlet TOC<1000ppb, follow professional operating procedures and correct sampling conditions

[7] Inlet TOC<50ppb, follow professional operating procedures and correct sampling conditions

[8] Equip with terminal microfilter and follow professional operating procedures and correct sampling conditions

[9] Equip with terminal microfilter and follow professional operating procedures and correct sampling conditions

[10] Equip with terminal ultrafilter and follow professional operating procedures and correct sampling conditions

SRS Smart series

Integrated Double RO Water System

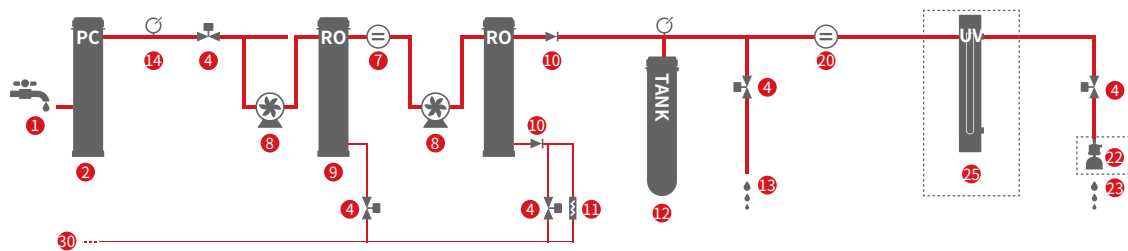
—RO^{2nd} water, RO^{1st} water

With pure water inlet, using the innovative automatic control system and LCD display, embedding new purification cartridges with patented structure and rigorous double RO system, equipping with built-in 1.8-liter pressure water tank.

System output: 13, 25 liters/h. It can simultaneously produce single RO and double RO water. The ion rejection rate of single RO water is above of 98%, and the conductivity of double RO water is less than 5 μ s/cm. The quality of pure water fully meets or exceeds the requirements of water quality standard specified by GB/T 6682-2008 (Grade 3).



Flow Diagram



- | | | | |
|-----------------------------|-----------------------|-----------------------|--------------------------|
| ① Feed Water | ⑨ RO cartridge | ⑰ Three way valve | ⑳ UV Component |
| ② PP Pretreatment Cartridge | ⑩ One way valve | ⑱ High tension switch | ㉑ TOC Component |
| ③ Pressure sensor | ⑪ Flow Restrictor | ㉒ DI Cartridge | ㉒ UP Ultrapure cartridge |
| ④ Solenoid valve | ⑫ Pressure water tank | ㉓ Resistivity Sensor | ㉓ UF Cartridge |
| ⑤ Flow sensor | ⑬ RO Water Outlet | ㉔ Sanitization Block | ㉔ UP Water Outlet |
| ⑥ PC Pretreatment Cartridge | ⑭ Low tension switch | ㉕ Final Filter | ㉕ Drain Outlet |
| ⑦ Conductivity Sensor | ⑮ EDI Component | ㉖ DI Water Outlet | |
| ⑧ Pump | ⑯ PE water tank | ㉖ Dispenser arm | |

SRS Specifications

Name	Standard	Eliminating bacteria and particle
Model	SRS-13/25	SRS-13/25UT
Production rate ^[1]	13 series: 13 L/hour, 25 series: 25 L/hour	
Dispensing rate ^[2]	Up to 2 liters/minute	Up to 2 liters/minute
RO^{1st} water quality ^[3]		
Ion rejection rate	>98% (with new RO module)	>98% (with new RO module)
RO^{2nd} water quality ^[3]		
Resistivity (25°C) ^[4]	>0.2 MΩ.cm	>0.2 MΩ.cm
Conductivity (25°C)	<5 μs/cm	<5 μs/cm
Organic rejection rate	>99% (MW>300 Dalton)	>99% (MW>300 Dalton)
Particles and bacteria rejection rate	>99%	>99%
Particles ^[8]	N/A	<1 /ml (>0.2μm)
Bacteria ^[9]	N/A	<0.01 CFU/ml
Feed water requirements		
Water source type	Tap water	Tap water
Pressure	1-6 bar	1-6 bar
Temperature	5-40 °C	5-40 °C
Conductivity	<2000 μs/cm	<2000 μs/cm
Total hardness (In CaCO ₃)	<300 ppm	<300 ppm
TOC	<2000 ppb	<2000 ppb
Free chlorine	<3 ppm	<3 ppm
PH	4-10	4-10
Dissolved CO ₂	<30 ppm	<30 ppm
Power supply	100-240V, 50/60Hz	100-240V, 50/60Hz
Total Power	120W	120W
Dimension (L×W×H)	Main host: 273×555×568mm	Main host: 273×555×568mm
weight	About 21KG	About 21KG
Standard configuration	Main host 1 set All cartridges 1 set Built-in 1.8-liter water tank 1 set	Main host 1 set All cartridges 1 set Built-in 1.8-liter water tank 1 set

[1] Affected by inlet water quality, pressure, temperature and status of RO membrane

[2] Affected by the tank status and terminal filter

[3] The following values are typical and may vary depending on the nature and concentration of feed water contaminants

[4] According to USP requirements, the resistivity can be displayed as a non-temperature-compensated value

[5] Affected by the type of organics

[6] Inlet TOC<1000ppb, follow professional operating procedures and correct sampling conditions

[7] Inlet TOC<50ppb, follow professional operating procedures and correct sampling conditions

[8] Equip with terminal microfilter and follow professional operating procedures and correct sampling conditions

[9] Equip with terminal microfilter and follow professional operating procedures and correct sampling conditions

[10] Equip with terminal ultrafilter and follow professional operating procedures and correct sampling conditions

SP Smart series

Ultrapure Water System

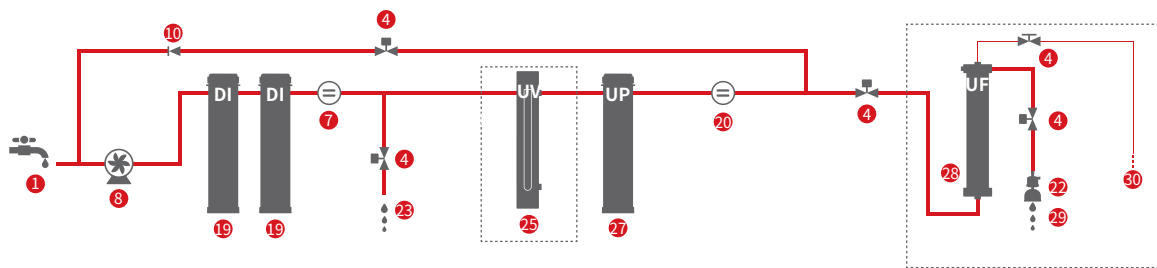
—Ultrapure water, high pure water

With tap water inlet, using the innovative automatic control system and LCD display, embedding new purification cartridges with patented structure and DI ion-exchange cartridges with larger capacity.

System output: Up to 2 liters/minute. It can produce ultrapure water (18.2MΩ.cm). The quality of pure water fully meets or exceeds the requirements of water quality standard specified by ASTM D1193-06, GB/T 11446.1-2013, GB/T 33087-2016, GB/T 6682-2008, CP, EP, USP, JP, CAP, CLSI, etc.



Flow Diagram



- | | | | |
|-----------------------------|-----------------------|-----------------------|--------------------------|
| ① Feed Water | ⑨ RO cartridge | ⑰ Three way valve | ⑳ UV Component |
| ② PP Pretreatment Cartridge | ⑩ One way valve | ⑱ High tension switch | ㉑ TOC Component |
| ③ Pressure sensor | ⑪ Flow Restrictor | ⑲ DI Cartridge | ㉒ UP Ultrapure cartridge |
| ④ Solenoid valve | ⑫ Pressure water tank | ⑳ Resistivity Sensor | ㉓ UF Cartridge |
| ⑤ Flow sensor | ⑬ RO Water Outlet | ㉑ Sanitization Block | ㉔ UP Water Outlet |
| ⑥ PC Pretreatment Cartridge | ⑭ Low tension switch | ㉒ Final Filter | ⑳ Drain Outlet |
| ⑦ Conductivity Sensor | ⑮ EDI Component | ㉓ DI Water Outlet | |
| ⑧ Pump | ⑯ PE water tank | ㉔ Dispenser arm | |

SP Specifications

Name	Standard	Low TOC	Eliminating endotoxin	Synthesizing
Model	SP	SP-UV	SP-UF	SP-UVF
Production rate ^[2]	Up to 2 liters/minute	Up to 2 liters/minute	Up to 2 liters/minute	Up to 2 liters/minute
Ultrapure water quality ^[3]				
Resistivity (25°C) ^[4]	18.2 MΩ.cm	18.2 MΩ.cm	18.2 MΩ.cm	18.2 MΩ.cm
Conductivity (25°C)	0.055 μs/cm	0.055 μs/cm	0.055 μs/cm	0.055 μs/cm
TOC ^[5]	5 ppb ^[6]	2 ppb ^[7]	5 ppb ^[6]	2 ppb ^[7]
Particles ^[8]	<1 /ml (>0.2μm)	<1 /ml (>0.2μm)	<1 /ml (>0.2μm)	<1 /ml (>0.2μm)
Bacteria ^[9]	<0.01 CFU/ml	<0.01 CFU/ml	<0.01 CFU/ml	<0.01 CFU/ml
Endotoxin ^[10]	N/A	N/A	<0.001 EU/ml	<0.001 EU/ml
RNases ^[10]	N/A	N/A	1 pg/ml	1 pg/ml
DNases ^[10]	N/A	N/A	5 pg/ml	5 pg/ml
Protease ^[10]	N/A	N/A	0.15 μg/ml	0.15 μg/ml
Feed water requirements				
Water source type	Purified water treated by RO/DI/EDI or distillation technology			
Pressure	0-6 bar	0-6 bar	0-6 bar	0-6 bar
Temperature	5-40 °C	5-40 °C	5-40 °C	5-40 °C
Conductivity	<100 μs/cm	<100 μs/cm	<100 μs/cm	<100 μs/cm
TOC	<50 ppb	<50 ppb	<50 ppb	<50 ppb
Power supply	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz
Total Power	72W	72W	72W	72W
Dimension (L×W×H)	Main host: 273×555×568mm	Main host: 273×555×568mm	Main host: 273×555×568mm	Main host: 273×555×568mm
weight	About 16KG	About 16KG	About 16KG	About 16KG
Standard configuration	Main host 1 set All cartridges 1 set	Main host 1 set All cartridges 1 set	Main host 1 set All cartridges 1 set	Main host 1 set All cartridges 1 set

[1] Affected by inlet water quality, pressure, temperature and status of RO membrane

[2] Affected by the tank status and terminal filter

[3] The following values are typical and may vary depending on the nature and concentration of feed water contaminants

[4] According to USP requirements, the resistivity can be displayed as a non-temperature-compensated value

[5] Affected by the type of organics

[6] Inlet TOC<1000ppb, follow professional operating procedures and correct sampling conditions

[7] Inlet TOC<50ppb, follow professional operating procedures and correct sampling conditions

[8] Equip with terminal microfilter and follow professional operating procedures and correct sampling conditions

[9] Equip with terminal microfilter and follow professional operating procedures and correct sampling conditions

[10] Equip with terminal ultrafilter and follow professional operating procedures and correct sampling conditions

Hyperpurex[®] lab water system

Bring you products and services beyond expected

ISO
3696

US Pharmacopoeia

GB/T 33087 2016

Japan Pharmacopoeia

ISO9001

CLSI GB/T.11446 1-2013

ASTM D 5196 ISO14001

China Pharmacopoeia ASTM

GB/T 6682-2008 JIS K 0557

Eu Pharmacopoeia D1193

CE Quality Standard

HyperpureX[®]

PRODUCT

- Under management system of ISO9001 and ISO14001, in accordance with CE quality standards, we carry out product design, research & development and manufacturing to ensure long-term stability and reliability of quality.
- To help you meet industry specifications, we can assist in providing certificates of conformity, calibration certificates, quality certificates, performance reports, water quality compliance certificates and other supporting documents upon request.
- Hyperpurex[®] S Smart series - lab water system can produce pure water/ultrapure water to meet the requirements of the following organizations:
- Chinese Pharmacopoeia-CP, United States Pharmacopoeia-USP, European Pharmacopoeia-EP, Japanese Pharmacopoeia-JP, GB/T 33087-2016, GB/T 6682-2008, GB/T 11446.1-2013, ASTM D1193, ASTM D 5196, ISO 3696, CLSI, JIS K 0557.

SERVICE

We wholeheartedly serve, only for your full satisfaction.

With customer satisfaction as the service goal, to continue to create value for customers as the direction, to grow together with customers as the concept, based on professionalism, we are full of sincerity and enthusiasm, committing to providing customers with professional and perfect technical support and after-sales service. So that you can devote all your energy to focus on the work.

Our service include:

- 12 months product warranty (excluding filter consumables)
- On-site professional training of installation, use and maintenance.
- Regular engineer return visit service
- Free continuous optimization and upgrading service of product life cycle.
- Professional and rigorous 3Q(IQ/OQ/PQ) verification documentation and verification services in both English and Chinese, to help you meet compliance requirements of GLP, GMP and cGMP.

Ordering Information

	Item No	Product description	
Host	SU-20	Integrated ultrapure water system,20L/h, Standard, Ultrapure water, RO ^{1st} water	
	SU-40	Integrated ultrapure water system,40L/h, Standard, Ultrapure water, RO ^{1st} water	
	SU-60	Integrated ultrapure water system,60L/h, Standard, Ultrapure water, RO ^{1st} water	
	SU-20UV	Integrated ultrapure water system,20L/h, Low TOC, Ultrapure water, RO ^{1st} water	
	SU-40UV	Integrated ultrapure water system,40L/h, Low TOC, Ultrapure water, RO ^{1st} water	
	SU-60UV	Integrated ultrapure water system,60L/h, Low TOC, Ultrapure water, RO ^{1st} water	
	SU-20UF	Integrated ultrapure water system,20L/h, Eliminating endotoxin, Ultrapure water, RO ^{1st} water	
	SU-40UF	Integrated ultrapure water system,40L/h, Eliminating endotoxin, Ultrapure water, RO ^{1st} water	
	SU-60UF	Integrated ultrapure water system,60L/h, Eliminating endotoxin, Ultrapure water, RO ^{1st} water	
	SU-20UVF	Integrated ultrapure water system,20L/h, Synthesizing, Ultrapure water, RO ^{1st} water	
	SU-40UVF	Integrated ultrapure water system,40L/h, Synthesizing, Ultrapure water, RO ^{1st} water	
	SU-60UVF	Integrated ultrapure water system,60L/h, Synthesizing, Ultrapure water, RO ^{1st} water	
	SD-20	Integrated pure water system,20L/h, Standard, High pure water, RO ^{1st} water	
	SD-40	Integrated pure water system,40L/h, Standard, High pure water, RO ^{1st} water	
	SD-60	Integrated pure water system,60L/h, Standard, High pure water, RO ^{1st} water	
	SD-20UT	Integrated pure water system,20L/h, Eliminating bacteria and particle, High pure water, RO ^{1st} water	
	SD-40UT	Integrated pure water system,40L/h, Eliminating bacteria and particle, High pure water, RO ^{1st} water	
	SD-60UT	Integrated pure water system,60L/h, Eliminating bacteria and particle, High pure water, RO ^{1st} water	
	SRS-13	Integrated double RO water system,13L/h, Standard, RO ^{2nd} water, RO ^{1st} water	
	SRS-25	Integrated double RO water system,25L/h, Standard, RO ^{2nd} water, RO ^{1st} water	
	SRS-13UT	Integrated double RO water system,13L/h, Eliminating bacteria and particle, RO ^{2nd} water, RO ^{1st} water	
	SRS-25UT	Integrated double RO water system,25L/h, Eliminating bacteria and particle, RO ^{2nd} water, RO ^{1st} water	
	SP	Ultrapure water system, up to 2 liters/minute, Standard, Ultrapure water, high pure water	
	SP-UV	Ultrapure water system, up to 2 liters/minute, Low TOC, Ultrapure water, high pure water	
	SP-UF	Ultrapure water system, up to 2 liters/minute, Eliminating endotoxin, Ultrapure water, high pure water	
	SP-UVF	Ultrapure water system, up to 2 liters/minute, Synthesizing, Ultrapure water, high pure water	
	Cartridge	HPC103	Pretreatment cartridge C
		HPC302	RO ^{1st} module S2
HPC304		RO ^{1st} module S4	
HPC306		RO ^{1st} module S6	
HPC303		RO ^{1st} module F3	
HPC305		RO ^{1st} module F5	
HPC403		RO ^{2nd} module D3	
HPC405		RO ^{2nd} module D5	
HPC501		DI cartridge	
HPC601		UP cartridge, standard	
HPC602		UP cartridge, Low TOC	
HPC700		Air filter for tank	
HPC701		185&254nm double wavelength UV lamp	
HPC702		254nm UV lamp	
HPC709		UF ultrafiltration module	
HPC801		TF terminal microfilter	
HPC802		TF terminal microfilter	
HPC810		TF terminal ultrafilter	

Ordering Information

Accessory	Item No	Product description	Item No	Product description
	TANK1018	1.8-liter pressure water tank	DISP2001	HiDis dispenser arm (independent), equipped with 2M connection kit
	TANK1015	15-liter pressure water tank	PWA7200	Automatic water softener (salt required)
	TANK1040	40-liter pressure water tank	PWA7010	Pretreatment filter for source water
	TANK1075	75-liter pressure water tank	PWA7011	PP cartridge for pretreatment filter (5 µm,10 inch)
	TANK1100	100-liter pressure water tank	PWA7012	RS cartridge for pretreatment filter (10 inch)
	TANK1061	60-liter PE pure water tank, equipped with air filter and independent level control module with LCD display	PWA7501	Foot switch
	TANK1060	60-liter PE pure water tank, equipped with air filter	PWA7502	External leak sensor
	TANK1121	120-liter PE pure water tank, equipped with air filter and independent level control module with LCD display	PWA1303	Wall-mounted mounting bracket for S
	TANK1120	120-liter PE pure water tank, equipped with air filter		
Service	Item No	Product description		
	HPS51001	1 year extended warranty service (except for consumables)		
	HPS51003	3 year extended warranty service (except for consumables)		
	HPS52001	Verification documents in English		
	HPS53001	Basic verification service		
	HPS59001*	1-year, one-price all-inclusive maintenance agreement, including regular consumables replacement, maintenance and calibration		
	HPS59003*	3-year, one-price all-inclusive maintenance agreement, including regular consumables replacement, maintenance and calibration		

*On the basis of mutual confirmation of pure water consumption and feed water quality.



WeChat

For more product details, please login: www.hyperpurex.cn
Tel: 0086-21-3107 5991

All content in this document (including but not limited to product pictures, Hyperpurex® company LOGO etc.) is owned by Hyperpurex and shall not be used or reproduced without permission. Hyperpurex shall not be liable for any errors in this document or for any indirect losses arising from the provision, display or use of this document. The information, instructions and technical specifications in this document are subject to change without notice.