EU Eminent series

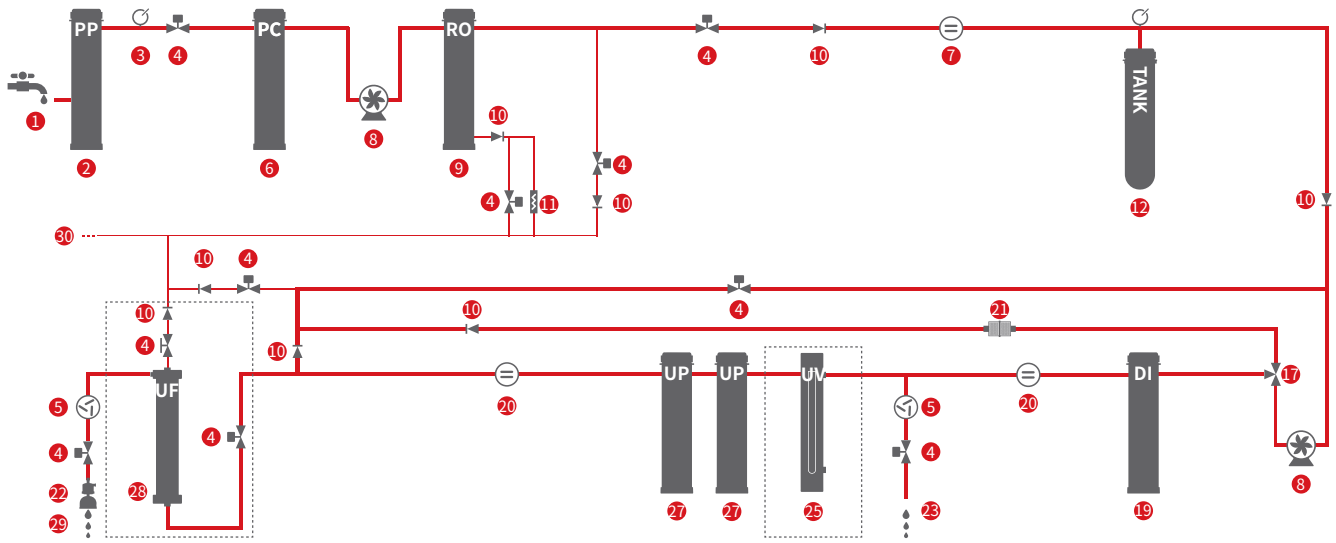
Intelligent Integration Ultrapure Water System

—Ultrapure water, high pure water

With tap water inlet, using the innovative human-computer interactive control system and 5-inch colorful resistive touch screen, integrating functions of Internet of Things (IOT) and cloud platform, embedding new purification cartridges with patented structure, stable and reliable single RO system, 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 high pure water (>16MΩ.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
2. PP Pretreatment Cartridge
3. Pressure sensor
4. Solenoid valve
5. Flow sensor
6. PC Pretreatment Cartridge
7. Conductivity Sensor
8. Pump
9. RO cartridge
10. One way valve
11. Flow Restrictor
12. Pressure water tank
13. RO Water Outlet
14. Low tension switch
15. EDI Component
16. PE water tank
17. Three way valve
18. High tension switch
19. DI Cartridge
20. Resistivity Sensor
21. Sanitization Block
22. Final Filter
23. DI Water Outlet
24. Dispenser arm
25. UV Component
26. TOC Component
27. UP Ultrapure cartridge
28. UF Cartridge
29. UP Water Outlet
30. Drain Outlet

EU Specifications

Name	Standard	Low TOC	Eliminating endotoxin	Synthesizing
Model	**EU-20/40/60**	**EU-20/40/60UV**	**EU-20/40/60UF**	**EU-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	<0.001EUml	<0.001EU/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
DI water quality [3]				
Resistivity (25°C) [4]	>16 MΩ.cm	>16 MΩ.cm	>16 MΩ.cm	>16 MΩ.cm
Conductivity (25°C)	<0.063 μs/cm	<0.063 μs/cm	<0.063 μs/cm	<0.063 μs/cm
Particles [8]	N/A	N/A	N/A	N/A
Bacteria [9]	N/A	N/A	N/A	N/A
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	20/40 series: 100-240V,50/60Hz, 60 series: 200-240V,50/60Hz			
Total Power	20/40 series: 120W, 60 series: 240W			
Dimension (L×W×H)	Main host: 370×623×600mm	Main host: 370×623×600mm	Main host: 370×623×600mm	Main host: 370×623×600mm
weight	Main host: about 28KG	Main host: about 28KG	Main host: about 28KG	Main host: about 28KG
Standard configuration	Main host 1 set All cartridges 1 set 1.8-liter pressure water tank 1 set	Main host 1 set All cartridges 1 set 1.8-liter pressure water tank 1 set	Main host 1 set All cartridges 1 set 1.8-liter pressure water tank 1 set	Main host 1 set All cartridges 1 set 1.8-liter pressure 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

ED Eminent series

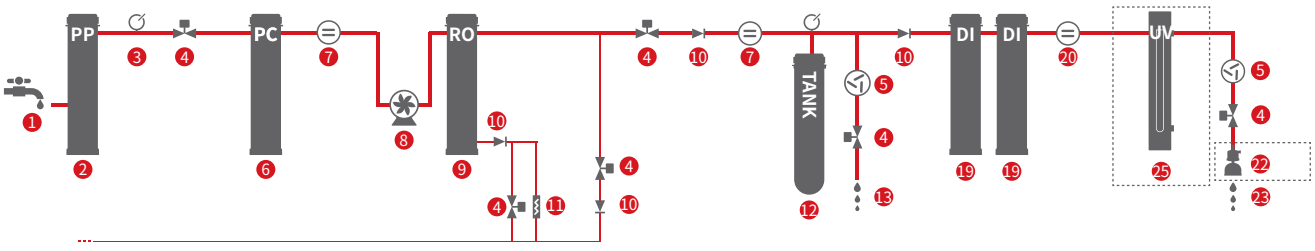
Intelligent Integration Pure Water System

—High pure water, RO[1st] water

With tap water inlet, using the innovative human-computer interactive control system and 5-inch colorful resistive touch screen, integrating functions of Internet of Things (IOT) and cloud platform, embedding new purification cartridges with patented structure, stable and reliable single RO system, 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



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5. Flow sensor
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7. Conductivity Sensor
8. Pump
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11. Flow Restrictor
12. Pressure water tank
13. RO Water Outlet
14. Low tension switch
15. EDI Component
16. PE water tank
17. Three way valve
18. High tension switch
19. DI Cartridge
20. Resistivity Sensor
21. Sanitization Block
22. Final Filter
23. DI Water Outlet
24. Dispenser arm
25. UV Component
26. TOC Component
27. UP Ultrapure cartridge
28. UF Cartridge
29. UP Water Outlet
30. Drain Outlet

ED Specifications

Name	Standard	Eliminating bacteria and particle
Model	**ED-20/40/60**	**ED-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
RO^{1st} 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	120W	120W
Dimension (L×W×H)	Main host: 370×623×600mm	Main host: 370×623×600mm
weight	Main host: about 26KG	Main host: about 26KG
Standard configuration	Main host 1 set All cartridges 1 set 1.8-liter pressure water tank 1 set	Main host 1 set All cartridges 1 set 1.8-liter pressure 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

EUS Eminent series

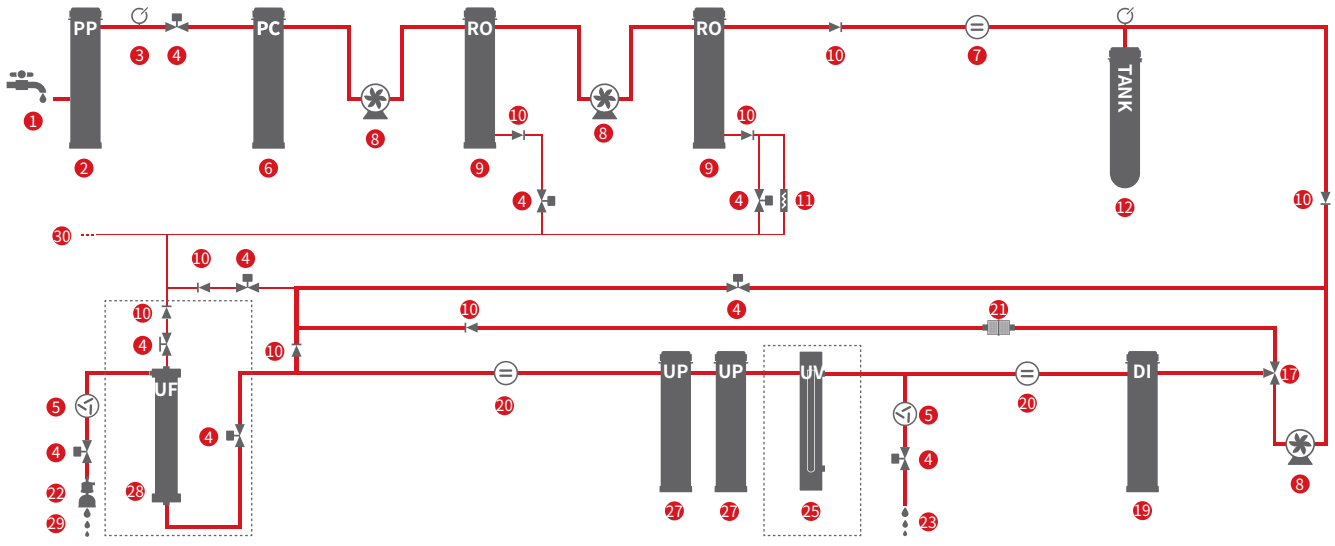
Intelligent Integration Ultrapure Water System

—Ultrapure water, high pure water

With tap water inlet, using the innovative human-computer interactive control system and 5-inch colorful resistive touch screen, integrating functions of Internet of Things (IOT) and cloud platform, embedding new purification cartridges with patented structure, rigorous double RO system, and DI ion-exchange cartridges with larger capacity, equipping with built-in 1.8-liter pressure water tank.

System output: 13, 25 liters/h. It can simultaneously produce ultrapure water (18.2MΩ.cm) and high pure water (>16MΩ.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



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11. Flow Restrictor
12. Pressure water tank
13. RO Water Outlet
14. Low tension switch
15. EDI Component
16. PE water tank
17. Three way valve
18. High tension switch
19. DI Cartridge
20. Resistivity Sensor
21. Sanitization Block
22. Final Filter
23. DI Water Outlet
24. Dispenser arm
25. UV Component
26. TOC Component
27. UP Ultrapure cartridge
28. UF Cartridge
29. UP Water Outlet
30. Drain Outlet

EUS Specifications

Name	Standard	Low TOC	Eliminating endotoxin	Synthesizing
Model	**EUS-13/25**	**EUS-13/25UV**	**EUS-13/25UF**	**EUS-13/25UVF**
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	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
DI water quality [3]				
Resistivity（25°C）[4]	>16 MΩ.cm	>16 MΩ.cm	>16 MΩ.cm	>16 MΩ.cm
Conductivity（25°C）	<0.063 μs/cm	<0.063 μs/cm	<0.063 μs/cm	<0.063 μs/cm
Particles [8]	N/A	N/A	N/A	N/A
Bacteria [9]	N/A	N/A	N/A	N/A
RO^{2nd} water quality [3]				
Resistivity（25°C）[4]	>0.2 MΩ.cm	>0.2 MΩ.cm	>0.2 MΩ.cm	>0.2 MΩ.cm
Conductivity（25°C）	<5 μs/cm	<5 μs/cm	<5 μs/cm	<5 μs/cm
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	120W	120W	120W	120W
Dimension (L×W×H)	Main host: 370×623×600mm	Main host: 370×623×600mm	Main host: 370×623×600mm	Main host: 370×623×600mm
weight	Main host: about 32KG	Main host: about 32KG	Main host: about 32KG	Main host: about 32KG
Standard configuration	Main host 1 set All cartridges 1 set 1.8-liter pressure water tank 1 set	Main host 1 set All cartridges 1 set 1.8-liter pressure water tank 1 set	Main host 1 set All cartridges 1 set 1.8-liter pressure water tank 1 set	Main host 1 set All cartridges 1 set 1.8-liter pressure 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

EDS Eminent series

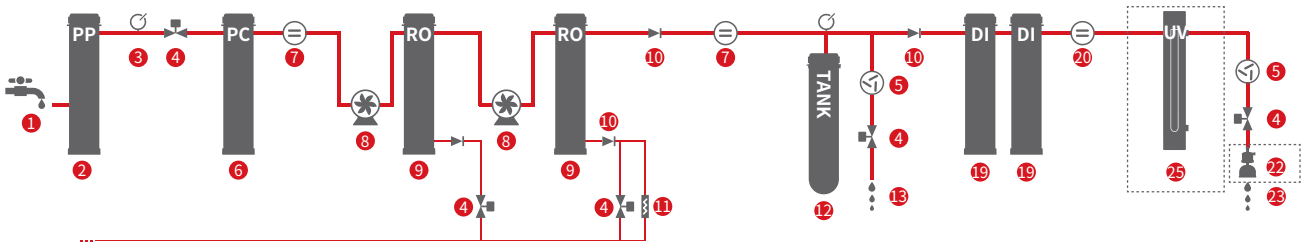
Intelligent Integration Pure Water System

—High pure water, RO^{2nd} water

With tap water inlet, using the innovative human-computer interactive control system and 5-inch colorful resistive touch screen, integrating functions of Internet of Things (IOT) and cloud platform, embedding new purification cartridges with patented structure, rigorous double RO system, and DI ion-exchange cartridges with larger capacity, equipping with built-in 1.8-liter pressure water tank.

System output: 13, 25 liters/h. It can simultaneously produce high pure water (>17.5MΩ.cm) and double RO water (<5μs/cm). 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



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

EDS Specifications

Name	Standard	Eliminating bacteria and particle
Model	**EDS-13/25**	**EDS-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
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
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%
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: 370×623×600mm	Main host: 370×623×600mm
weight	Main host: about 30KG	Main host: about 30KG
Standard configuration	Main host 1 set All cartridges 1 set 1.8-liter pressure water tank 1 set	Main host 1 set All cartridges 1 set 1.8-liter pressure 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

EUE Eminent series

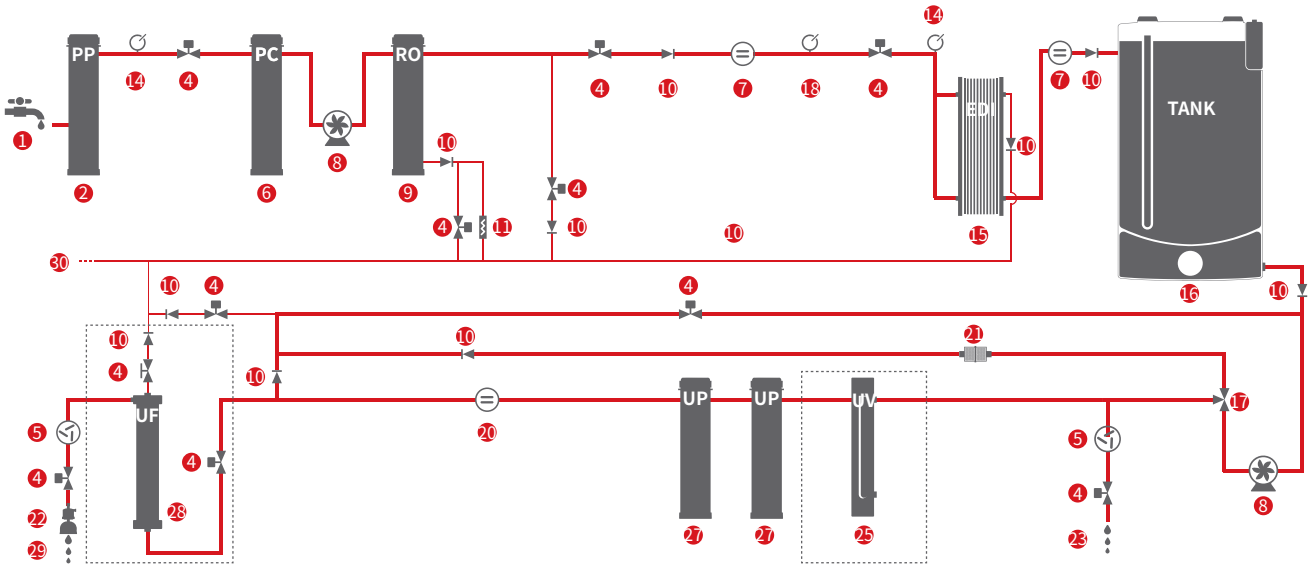
Intelligent Integration Ultrapure Water System

—Ultrapure water, EDI water

With tap water inlet, using the innovative human-computer interactive control system and 5-inch colorful resistive touch screen, integrating functions of Internet of Things (IOT) and cloud platform, embedding new purification cartridges with patented structure, stable and reliable single RO system, advanced EDI module and DI ion-exchange cartridges with larger capacity, equipping with built-in 1.8-liter pressure water tank and professional-grade pure water tank with 60-liter.

System output: 10, 20 liters/h. Maximum output per day is up to 480 liters. It can simultaneously produce ultrapure water (18.2MΩ.cm) and EDI water (Resistivity>10MΩ.cm, TOC<30ppb) with optimized running cost. 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



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22. Final Filter
23. DI Water Outlet
24. Dispenser arm
25. UV Component
26. TOC Component
27. UP Ultrapure cartridge
28. UF Cartridge
29. UP Water Outlet
30. Drain Outlet

EUE Specifications

Name	Standard	Low TOC	Eliminating endotoxin	Synthesizing
Model	**EUE-10/20**	**EUE-10/20UV**	**EUE-10/20UF**	**EUE-10/20UVF**
Production rate [1]	10 series: 10 L/hour, 20 series: 20 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
EDI water quality [3]				
Resistivity（25°C）[4]	>10 MΩ.cm	>10 MΩ.cm	>10 MΩ.cm	>10 MΩ.cm
Conductivity（25°C）	<0.1 μs/cm	<0.1 μs/cm	<0.1 μs/cm	<0.1 μs/cm
TOC [5]	⩽ 30 ppb	⩽ 30 ppb	⩽ 30 ppb	⩽ 30 ppb
Particles [8]	N/A	N/A	N/A	N/A
Bacteria [9]	N/A	N/A	N/A	N/A
RO^{2nd} 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	120W	120W	120W	120W
Dimension (L×W×H)	Main host: 370×623×600mm Tank: 392×518×772mm	Main host: 370×623×600mm Tank: 392×518×772mm	Main host: 370×623×600mm Tank: 392×518×772mm	Main host: 370×623×600mm Tank: 392×518×772mm
weight	Main host: about 29G Tank: about 16KG	Main host: about 29G Tank: about 16KG	Main host: about 29G Tank: about 16KG	Main host: about 29G Tank: about 16KG
Standard configuration	Main host 1 set All cartridges 1 set 60-liter water tank 1 set	Main host 1 set All cartridges 1 set 60-liter water tank 1 set	Main host 1 set All cartridges 1 set 60-liter water tank 1 set	Main host 1 set All cartridges 1 set 60-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

EDE Eminent series

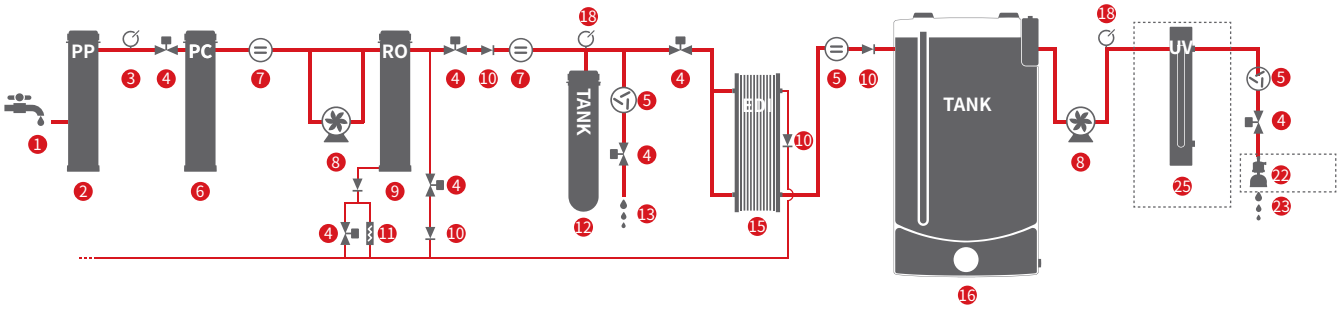
Intelligent Integration Pure Water System

—EDI water, ‚RO[1st] water

With tap water inlet, using the innovative human-computer interactive control system and 5-inch colorful resistive touch screen, integrating functions of Internet of Things (IOT) and cloud platform, embedding new purification cartridges with patented structure, stable and reliable single RO system, and advanced EDI module, equipping with built-in 1.8-liter pressure water tank and professional-grade pure water tank with 60-liter.

System output: 10, 20 liters/h. Maximum output per day is up to 480 liters. It can simultaneously produce double RO water (<5μs/cm) and EDI water (Resistivity>10MΩ.cm, TOC<30ppb) with optimized running cost. 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
2. PP Pretreatment Cartridge
3. Pressure sensor
4. Solenoid valve
5. Flow sensor
6. PC Pretreatment Cartridge
7. Conductivity Sensor
8. Pump
9. RO cartridge
10. One way valve
11. Flow Restrictor
12. Pressure water tank
13. RO Water Outlet
14. Low tension switch
15. EDI Component
16. PE water tank
17. Three way valve
18. High tension switch
19. DI Cartridge
20. Resistivity Sensor
21. Sanitization Block
22. Final Filter
23. DI Water Outlet
24. Dispenser arm
25. UV Component
26. TOC Component
27. UP Ultrapure cartridge
28. UF Cartridge
29. UP Water Outlet
30. Drain Outlet

EDE Specifications

Name	Standard	Eliminating bacteria and particle
Model	**EDE-10/20**	**EDE-10/20UT**
Production rate [1]	10 series: 10 L/hour, 20 series: 20 L/hour	
Dispensing rate [2]	Up to 2 liters/minute	Up to 2 liters/minute
EDI water quality [3]		
Resistivity（25°C) [4]	>10 MΩ.cm	>10 MΩ.cm
Conductivity（25°C）	<0.1 μs/cm	<0.1 μs/cm
TOC [5]	⩽ 30 ppb	⩽ 30 ppb
Particles [8]	N/A	<1 /ml （>0.2μm）
Bacteria [9]	N/A	<0.01 CFU/ml
RO^{1st} 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	120W	120W
Dimension (L×W×H)	Main host: 370×623×600mm Tank: 392×518×772mm	Main host: 370×623×600mm Tank: 392×518×772mm
weight	Main host: about 27G Tank: about 16KG	Main host: about 27G Tank: about 16KG
Standard configuration	Main host 1 set All cartridges 1 set 60-liter water tank 1 set	Main host 1 set All cartridges 1 set 60-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

ERS Eminent series

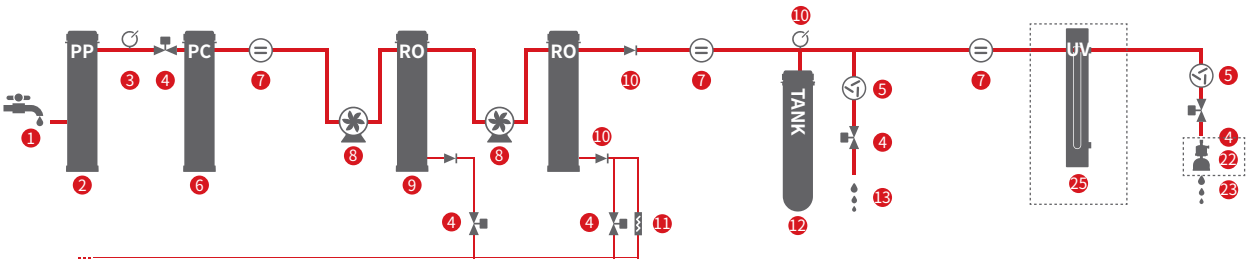
Intelligent Integration Double RO Water System

—RO^{2nd} water, RO^{1st} water

With tap water inlet, using the innovative human-computer interactive control system and 5-inch colorful resistive touch screen, integrating functions of Internet of Things (IOT) and cloud platform, 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 5μs/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
2. PP Pretreatment Cartridge
3. Pressure sensor
4. Solenoid valve
5. Flow sensor
6. PC Pretreatment Cartridge
7. Conductivity Sensor
8. Pump
9. RO cartridge
10. One way valve
11. Flow Restrictor
12. Pressure water tank
13. RO Water Outlet
14. Low tension switch
15. EDI Component
16. PE water tank
17. Three way valve
18. High tension switch
19. DI Cartridge
20. Resistivity Sensor
21. Sanitization Block
22. Final Filter
23. DI Water Outlet
24. Dispenser arm
25. UV Component
26. TOC Component
27. UP Ultrapure cartridge
28. UF Cartridge
29. UP Water Outlet
30. Drain Outlet

ERS Specifications

Name	Standard	Eliminating bacteria and particle
Model	**ERS-13/25**	**ERS-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)	Host:370×623×600mm	Host:370×623×600mm
weight	Main host: about 27KG	Main host: about 27KG
Standard configuration	Main host 1 set All cartridges 1 set 1.8-liter pressure water tank 1 set	Main host 1 set All cartridges 1 set 1.8-liter pressure 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

Hyperpurex® lab water system

Bring you products and services beyond expected

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® E Eminent 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:

- 24 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	EU-20	Intelligent integration ultrapure water system,20L/h, Standard, Ultrapure water, high pure water
	EU-40	Intelligent integration ultrapure water system,40L/h, Standard, Ultrapure water, high pure water
	EU-60	Intelligent integration ultrapure water system,60L/h, Standard, Ultrapure water, high pure water
	EU-20UV	Intelligent integration ultrapure water system,20L/h, Low TOC, Ultrapure water, high pure water
	EU-40UV	Intelligent integration ultrapure water system,40L/h, Low TOC, Ultrapure water, high pure water
	EU-60UV	Intelligent integration ultrapure water system,60L/h, Low TOC, Ultrapure water, high pure water
	EU-20UF	Intelligent integration ultrapure water system,20L/h, Eliminating endotoxin, Ultrapure water, high pure water
	EU-40UF	Intelligent integration ultrapure water system,40L/h, Eliminating endotoxin, Ultrapure water, high pure water
	EU-60UF	Intelligent integration ultrapure water system,60L/h, Eliminating endotoxin, Ultrapure water, high pure water
	EU-20UVF	Intelligent integration ultrapure water system,20L/h, Synthesizing, Ultrapure water, high pure water
	EU-40UVF	Intelligent integration ultrapure water system,40L/h, Synthesizing, Ultrapure water, high pure water
	EU-60UVF	Intelligent integration ultrapure water system,60L/h, Synthesizing, Ultrapure water, high pure water
	ED-20	Intelligent integration pure water system,20L/h, Standard, High pure water, RO^{1st} water
	ED-40	Intelligent integration pure water system,40L/h, Standard, High pure water, RO^{1st} water
	ED-60	Intelligent integration pure water system,60L/h, Standard, High pure water, RO^{1st} water
	ED-20UT	Intelligent integration pure water system,20L/h, Eliminating bacteria and particle, High pure water, RO^{1st} water
	ED-40UT	Intelligent integration pure water system,40L/h, Eliminating bacteria and particle, High pure water, RO^{1st} water
	ED-60UT	Intelligent integration pure water system,60L/h, Eliminating bacteria and particle, High pure water, RO^{1st} water
	EUS-13	Intelligent integration ultrapure water system,13L/h, Standard, Ultrapure water, high pure water
	EUS-25	Intelligent integration ultrapure water system,25L/h, Standard, Ultrapure water, high pure water
	EUS-13UV	Intelligent integration ultrapure water system,13L/h, Low TOC, Ultrapure water, high pure water
	EUS-25UV	Intelligent integration ultrapure water system,25L/h, Low TOC, Ultrapure water, high pure water
	EUS-13UF	Intelligent integration ultrapure water system,13L/h, Eliminating endotoxin, Ultrapure water, high pure water
	EUS-25UF	Intelligent integration ultrapure water system,25L/h, Eliminating endotoxin, Ultrapure water, high pure water
	EUS-13UVF	Intelligent integration ultrapure water system,13L/h, Synthesizing, Ultrapure water, high pure water
	EUS-25UVF	Intelligent integration ultrapure water system,25L/h, Synthesizing, Ultrapure water, high pure water
	EDS-13	Intelligent integration pure water system,13L/h, Standard, High pure water, RO^{2nd} water
	EDS-25	Intelligent integration pure water system,25L/h, Standard, High pure water, RO^{2nd} water
	EDS-13UT	Intelligent integration pure water system,13L/h, Eliminating bacteria and particle, High pure water, RO^{2nd} water
	EDS-25UT	Intelligent integration pure water system,25L/h, Eliminating bacteria and particle, High pure water, RO^{2nd} water
	EUE-10	Intelligent integration ultrapure water system,10L/h, Standard, Ultrapure water, EDI water
	EUE-20	Intelligent integration ultrapure water system,20L/h, Standard, Ultrapure water, EDI water
	EUE-10UV	Intelligent integration ultrapure water system,10L/h, Low TOC, Ultrapure water, EDI water
	EUE-20UV	Intelligent integration ultrapure water system,20L/h, Low TOC, Ultrapure water, EDI water
	EUE-10UF	Intelligent integration ultrapure water system,10L/h, Eliminating endotoxin, Ultrapure water, EDI water
	EUE-20UF	Intelligent integration ultrapure water system,20L/h, Eliminating endotoxin, Ultrapure water, EDI water
	EUE-10UVF	Intelligent integration ultrapure water system,10L/h, Synthesizing, Ultrapure water, EDI water
	EUE-20UVF	Intelligent integration ultrapure water system,20L/h, Synthesizing, Ultrapure water, EDI water
	EDE-10	Intelligent integration pure water system,10L/h, Standard, EDI water, RO^{1st} water
	EDE-20	Intelligent integration pure water system,20L/h, Standard, EDI water, RO^{1st} water
	EDE-10UT	Intelligent integration pure water system,10L/h, Eliminating bacteria and particle, EDI water, RO^{1st} water
	EDE-20UT	Intelligent integration pure water system,10L/h, Eliminating bacteria and particle, EDI water, RO^{1st} water
	ERS-13	Intelligent integration double RO water system,13L/h, Standard, RO2nd water, RO^{1st} water
	ERS-25	Intelligent integration double RO water system,25L/h, Standard, RO2nd water, RO^{1st} water
	ERS-13UT	Intelligent integration double RO water system,13L/h, Eliminating bacteria and particle, RO^{2nd} water, RO^{1st} water
	ERS-25UT	Intelligent integration double RO water system,25L/h, Eliminating bacteria and particle, RO^{2nd} water, RO^{1st} water

Ordering Information

	Item No	Product description
Cartridge	HPC101	Pretreatment cartridge A
	HPC102	Pretreatment cartridge B
	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
	HPC703	185&254nm double wavelength UV lamp
	HPC702	254nm UV lamp
	HPC709	UF ultrafiltration module
	HPC801	TF terminal microfilter
	HPC802	TF terminal microfilter
	HPC810	UF terminal ultrafilter

	Item No	Product description	Item No	Product description
Accessory	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	PWA1301	Wall-mounted mounting bracket for XLE
	TANK1120	120-liter PE pure water tank, equipped with air filter		

	Item No	Product description
Service	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

Hyperpurex Instrument Technology (Shanghai) Co., LTD Version: 202311

HyperPureX