

P Pursuit series

Intelligent Ultrapure Water System

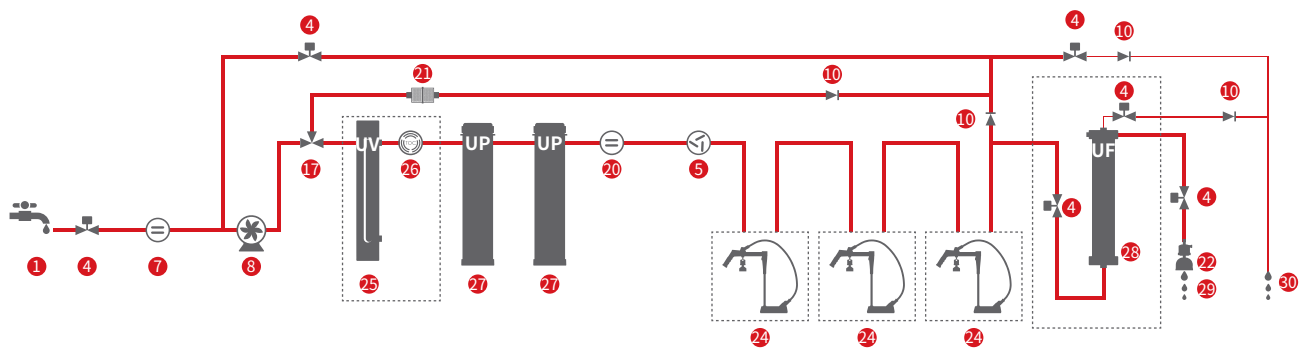
—Ultrapure water

With pure water inlet, using the innovative intelligent human-computer interactive control system and 7-inch colorful capacitive touch screen, integrating functions of Internet of Things (IOT) and cloud platform, embedding new purification cartridges with patented structure and DI ion-exchange cartridges with larger capacity, equipping with powerful HiDis water dispenser arm.

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 | 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 | ㉗ Dispenser arm | |

P Specifications

Name	Standard	Low TOC	Eliminating endotoxin	Synthesizing
Model	PU	PU-UV	PU-UF	PU-UVF
Production rate ^[1]	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: 276×319×570mm Dispenser arm: 181×626×795mm	Main host: 276×319×570mm Dispenser arm: 181×626×795mm	Main host: 276×319×570mm Dispenser arm: 181×626×795mm	Main host: 276×319×570mm Dispenser arm: 181×626×795mm
weight	Main host: about 15KG Dispenser arm: about 4KG	Main host: about 15KG Dispenser arm: about 4KG	Main host: about 15KG Dispenser arm: about 4KG	Main host: about 15KG Dispenser arm: about 4KG
Standard configuration	Main host 1 set All cartridges 1 set HiDis dispenser arm 1set	Main host 1 set All cartridges 1 set HiDis dispenser arm 1set	Main host 1 set All cartridges 1 set HiDis dispenser arm 1set	Main host 1 set All cartridges 1 set HiDis dispenser arm 1set

[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

Ordering Information

Host	Item No	Product description
	PU	Intelligent ultrapure water system, up to 2 liters/minute, Standard, Ultrapure water
	PU-UV	Intelligent ultrapure water system, up to 2 liters/minute, Low TOC, Ultrapure water
	PU-UF	Intelligent ultrapure water system, up to 2 liters/minute, Eliminating endotoxin, Ultrapure water
	PU-UVF	Intelligent ultrapure water system, up to 2 liters/minute, Synthesizing, Ultrapure water
Cartridge	Item No	Product description
	HPC601	UP cartridge, standard
	HPC602	UP cartridge, Low TOC
	HPC703	185&254nm double wavelength UV lamp
	HPC709	UF ultrafiltration module
	HPC801	TF terminal microfilter
	HPC810	UF terminal ultrafilter
Accessory	Item No	Product description
	TANK1061	60-liter PE pure water tank, equipped with air filter and independent level control module with LCD display
	TANK1121	120-liter PE pure water tank, equipped with air filter and independent level control module with LCD display
	DISP2000	HiDis dispenser arm, equipped with 2M connection kit
	PWA7501	Foot switch
	PWA7502	External leak sensor
	PWA1302	Wall-mounted mounting bracket for P
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
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