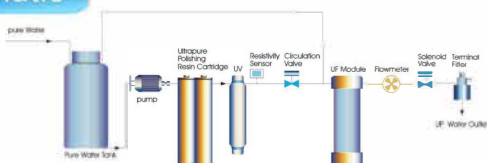


ZYUC

ultra pure water system
feeding water is pure water



flow Schematic



Specifications

Model	ZYUC-I	ZYUC-II	ZYUC-III	ZYUC-IV
Optional capacity(L/H)	90L/H			
Flow rate	Up to 1.2- 2.0 liters/minute(with pressure tank)			
Feed water requirements	RO water (Conductivity<15µs/cm)			
Bacteria	<50cfu/ml			
TOC	<30ppb			
Ultrapure water quality				
Resistivity(25°C)	18 25MΩ cm			
Bacteria	< 1cfu/ml			
Particle(≥0.2µm)	< 1/ml			
Heavy metal ion	<0.1ppb			
Endotoxin(Pyrogens)	N/A	N/A	≤ 0.001EU/ml	≤ 0.001EU/ml
TOC Level***	< 15 ppb	< 5 ppb	< 15 ppb	< 5 ppb
Dimension and weight	Length×Width×Height.510×380×560mm, 35-40Kg			
Electrical requirements	AC 110-240V, 50/60Hz			
Power(W)	30W-50W			
Terminal disinfection filter (TF)	yes	yes	yes	yes
UV lamp	N/A	yes	N/A	yes
UF	N/A	N/A	yes	yes
Standard configuration	Main body (Including 1 set of cartridge)+pressure tank			

Features and Advantages

- 1 way online water quality sensor, ultrapure water respectively.
- Cartridges replacing alarm function, based on time and water quality, show cartridges' used and residual life.
- Multiple alarm function: no feed water, full water, water quality's standard exceeding, and cartridge life ending.
- Auto self-flushing of RO membrane function, extend RO membrane's life.
- System sanitizing procedure, achieve the disinfection of ultrapure water's tube and valve.
- External water tanks is optional to meet different need and assure ample water-supply.
- Whole plastic shell with high-strength, avoid rusting and keep clean, to meet GLP standard.
- 2 door and easy-to-replacing cartridge design, convenient to maintain system and replace cartridges.
- Tube and adapter with NSF authorization and top quality, reduce TOC level and assure ultrapure water's quality.
- Optimized pretreatment (including PP fiber, KDF and active carbon cartridge), effectively protect RO membrane.
- RO module with DOW's membrane, ensure long life, stable operation and high desalination rate.
- DOW's top polishing resin, ensure ultrapure water's quality up to 18.2 MΩ .cm, with the lowest TOC level.
- Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
- MWCO 5000D ultrafiltration module, effectively eliminate endotoxin, and suitable for precise cell cultivating and IVF.

Typical Scientific Applications

- ICP-MS(Inductively Coupled Plasma Mass Spectrometry)
- HPLC
- IC(Ion Chromatography)
- AES(Atomic Emission Spectrometry)
- AAS(Atomic Absorption Spectrophotometry) Buffer and media preparation Electrophysiology
- Qualitative analysis
- Animal watering
- Mammalian and bacterial cell culture Northern and Southern blotting PCR(Polymerase chain reaction) Plant tissue culture
- Qualitative analyses Ultra trace analysis Western blotting
- biochemical analysis of chemical reagents;
- buffer conventional physical and chemical detection;