



## ZY LABWATER

SICHUAN ZHUOYUE WATER TREATMENT EQUIPMENT CO.,LTD.

### ZYULT \* ULTRA PURE WATER SYSTEM

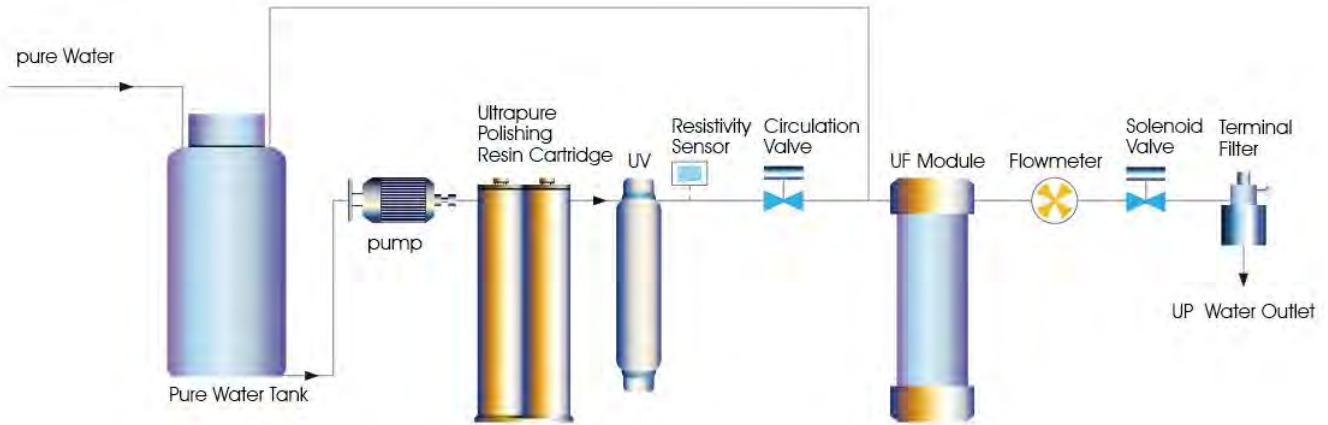


#### Features and Advantages

- 1-way online water quality sensor; detects the quality of 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 tank 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 desalinization rate.
- DOW's top polishing resin, ensure ultrapure water's quality up to 18.2MΩ.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.
- Terminal disinfection filter, assure that terminal pure water is absolutely axenic.

### Typical Scientific Applications

- ▶ ICP-MS
- ▶ IC (Ion Chromatography)
- ▶ HPLC
- ▶ AAS (Atomic Absorption Spectrometry)
- ▶ AES (Atomic Emission Spectrometry)
- ▶ Plant tissue culture



### TECHNICAL SPECIFICATIONS

MODEL	ZYULT-I-90L	ZYULT-II-90L	ZYULT-III-90L	ZYULT-IV-90L
Production Output (Tank empty , 25°C)	90 liter/hour	90 liter/hour	90 liter/hour	90 liter/hour
Flow Rate (Tank full)	2.0 liter/minute	2.0 liter/minute	2.0 liter/minute	2.0 liter/minute
<b>Feed Water Requirements</b>				
Source	RO-Pure Water	RO-Pure Water	RO-Pure Water	RO-Pure Water
Conductivity (25°C)	< 20 µs/cm	< 20 µs/cm	< 20 µs/cm	< 20 µs/cm
<b>UP-Ultra Pure Water (Type I) Quality</b>				
Resistivity (25°C)	18.2 MΩ.cm	18.2 MΩ.cm	18.2 MΩ.cm	18.2 MΩ.cm
Bacteria	< 1 cfu/ml	< 1 cfu/ml	< 1 cfu/ml	< 1 cfu/ml
Particles (≥ 0,1 µm)	< 1 pc/ml	< 1 pc/ml	< 1 pc/ml	< 1 pc/ml
Heavy Metal	< 0.1 ppb	< 0.1 ppb	< 0.1 ppb	< 0.1 ppb
TOC	< 10 ppb	< 10 ppb	< 10 ppb	< 5 ppb
Endotoxin (Pyrogens)	-	-	≤ 0.001 EU/ml	≤ 0.001 EU/ml
<b>Electrical Power Requirements</b>				
Voltage / Frequency	220 V / 50 Hz / 60Hz			
<b>Dimensions (LxWxH) / Weight</b>	53 x 40 x 59 cm / 40 Kg			
<b>Final Disinfection Filter</b>	-	Yes	Yes	Yes
<b>UV Lamp</b>	-	-	Yes	Yes
<b>UF Filter</b>	-	-	-	Yes
<b>Standard Package</b>	Main Unit (with 1 set cartridges in the machine) , 40lt Pressure Tank			
<b>Production Output Selection</b>	10,20,40,60,80,90,100, liter/hour			