



**ZY LABWATER**

**SICHUAN ZHUOYUE WATER TREATMENT EQUIPMENT CO.,LTD.**

## **ZYROEU \* 2 STAGE RO-ULTRA PURE WATER SYSTEM**

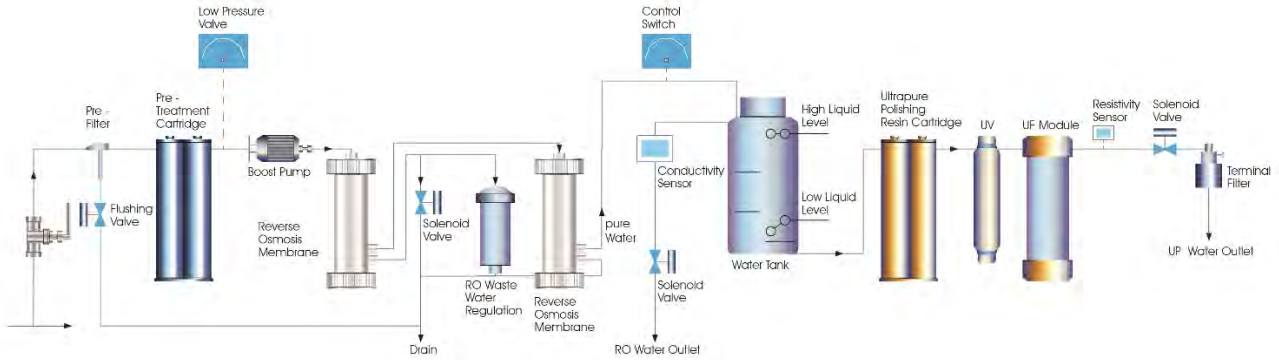


### **Features and Advantages**

- Double stage reverse osmosis technology, assure 2nd RO water quality's stability from different source water.
- 2 door and easy-to-replacing cartridge design, convenient to maintain system and replace cartridges.
- LCD controlling system, intuitively display the system running state and various parameters.
- 2-way online water quality sensor; detects the quality of feed water, 2nd RO water and ultrapure water respectively. And warns once water quality's standard exceeding.
- 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.
- Whole plastic shell with high-strength, avoid rusting and keep clean, to meet GLP standard.
- Tube and adapter with NSF authorization and top quality, reduce TOC level and assure ultrapure water's quality.
- Optimized pretreatment (including PP fiber, active carbon cartridge), effectively protect RO membrane.
- RO module with DOW's membrane, ensure long life, stable operation and high desalination rate.
- Ultrapure cartridge with 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.

### Typical Scientific Applications

- ▶ ICP-MS
- ▶ IC (Ion Chromatography)
- ▶ HPLC
- ▶ AAS and Graphite Furnace AAS
- ▶ ICP-AES
- ▶ Plant tissue culture



### TECHNICAL SPECIFICATIONS

MODEL	ZYROEU-I-5L	ZYROEU-II-5L
Production Output (Tank empty , 25°C)	5 liter/hour	5 liter/hour
Flow Rate (Tank full)	1.5-1.8 liter/minute	1.5-1.8 liter/minute
<b>Feed Water Requirements</b>		
Source	Tap Water	Tap Water
TDS	< 200 ppm	< 200 ppm
Pressure	1-5 Kg/cm <sup>2</sup>	1-5 Kg/cm <sup>2</sup>
Temperature	5-40°C	5-40°C
<b>RO-Pure Water (Type III) Quality</b>		
Conductivity-1st Stage RO-Pure Water	Feed Water Conductivity x 2%	Feed Water Conductivity x 2%
Conductivity-2nd Stage RO-Pure Water	1-5 µs/cm	1-5 µs/cm
Ion Rejection Rate	> 99%	> 99%
<b>DI-Deionized Water (Type II) Quality</b>		
İletkenlik (25°C)	0,1-1 µs/cm	-
<b>UP-Ultra Pure Water (Type I) Quality</b>		
Resistivity (25°C)	-	18.2 MΩ.cm
Bacteria	< 1 cfu/ml	< 1 cfu/ml
Particles (≥ 0,1 µm)	< 1 pc/ml	< 1 pc/ml
Heavy Metal	-	< 0.1 ppb
<b>Electrical Power Requirements</b>		
Voltage / Frequency	220 V / 50-60 Hz	
<b>Dimensions (LxWxH) / Weight</b>		
	53 x 40 x 59 cm / 40 Kg	
<b>RO Filter-2 Stage</b>	Yes	Yes
<b>UP-Resin Column</b>	Yes	Yes
<b>UV Lamp</b>	-	Yes
<b>UF Filter</b>	-	Yes
<b>Final Disinfection Filter</b>	-	Yes
<b>Standard Package</b>	Main Unit (with 1 set cartridges in the machine) , 10lt Pressure Tank	
<b>Production Output Selection</b>	5 , 10 , 20 , 30 , 40 , 60 , 80 , 100,120 liter/hour	