



ZY LABWATER

SICHUAN ZHUOYUE WATER TREATMENT EQUIPMENT CO.,LTD.

ZYTEST * WATER PURIFICATION (DI & UP) SYSTEM



Comprehensive monitoring system
-LCD display
- 1 or 2 water quality sensor



Ultra-Purification Cartridge
- Adoption of high quality nuclear grade resin, US DOW and Rohm Haas
- Polishing cartridge removes ionic and organic contaminants below trace levels



Terminal Filter
- 0.22 µm membrane filter farthest eliminates contaminants that might interfere with specific application at dispensing point, applicable for HPLC, GC etc.



High-Strength UV lamp
-Dual wavelength UV lamp 185*254nm ensures organic molecule oxidation and bacteria destruction
- Held in a robust and corrosion-resistant stainless steel housing





Features and Advantages

- ZYTEST Series is the sole leading brand of Chinese Good Instrument in lab water area. Especially working with Biochemical Analyzer.
- It is the most representative products in Chinese lab water market.
- RO water, deionized water, or 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.
- 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.
- High quality 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.
- Terminal disinfection filter, assure that terminal pure water is absolutely axenic.

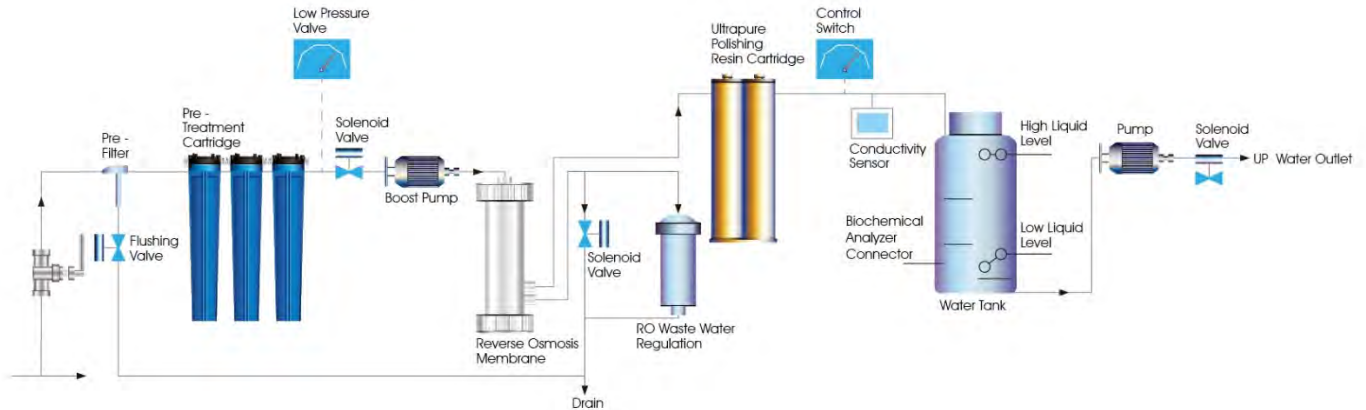
Typical Scientific Applications

- Biochemical Analyzer
- HPLC
- AES (Atomic Emission Spectrometry)
- AAS (Atomic Absorption Spectrometry)
- Flame Photometry
- Electrochemistry
- Autoclave Feed
- Biochemical analysis of chemical reagents
- Plant tissue culture



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TECHNICAL SPECIFICATIONS

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

