



**ZY LABWATER**

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

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

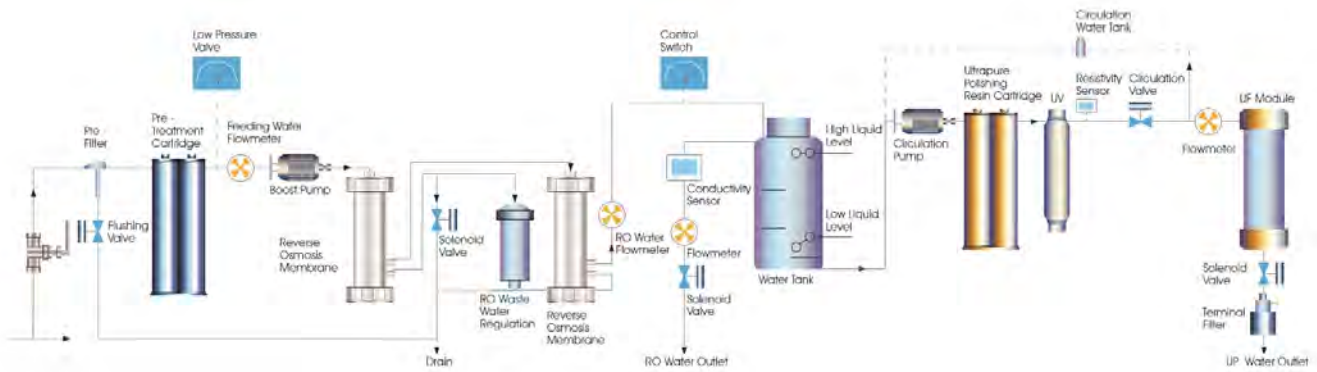


### **Features and Advantages**

- LCD controlling system, intuitively display the system running state and various parameters.
- 2-way online water quality sensor, RO water, deionized water, or ultrapure water respectively.
- 2-way flow sensor, achieve quantified dispensing of RO water, deionized water, or ultrapure water.
- System sanitizing procedure, achieve the disinfection of ultrapure water's tube and valve.
- System circulation function, achieve ultrapure water's circulation to keep top quality of ultrapure water.
- All 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 (interval and continuous time setting), extend RO membrane's life.
- Auto running data storing function with built-in SD card, and data can be exported through the USB interface.
- System time setting (year/month/day/hour/minute), timing standby (0-60 minute), and timing shutdown (0-24 hour) function.
- Level II password, protect all the parameters setting, and prohibit any unauthorized setting change.
- 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.
- 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 18.2MΩ.cm, with the lowest TOC level.
- Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
- 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
- ▶ Ion Chromatography
- ▶ HPLC
- ▶ AAS and Graphite Furnace AAS
- ▶ ICP-AES
- ▶ Ultra trace analysis



### TECHNICAL SPECIFICATIONS

MODEL	ZYDRUP-I-10L	ZYDRUP-II-10L	ZYDRUP-III-10L	ZYDRUP-IV-10L
Production Output (Tank empty , 25°C)	10 liter/hour	10 liter/hour	10 liter/hour	10 liter/hour
Flow Rate (Tank full)	1.5-1.8 liter/minute	1.5-1.8 liter/minute	1.5-1.8 liter/minute	
<b>Feed Water Requirements</b>				
Source	Tap Water	Tap Water	Tap Water	Tap Water
TDS	< 200 ppm	< 200 ppm	< 200 ppm	< 200 ppm
Pressure	1-5 Kg/cm2	1-5 Kg/cm2	1-5 Kg/cm2	1-5 Kg/cm2
Temperature	5-40°C	5-40°C	5-40°C	5-40°C
<b>RO-Pure Water (Type III) Quality</b>				
Conductivity (25°C)	< 2-10 µs/cm	< 2-10 µs/cm	< 2-10 µs/cm	< 2-10 µs/cm
Ion Rejection Rate (new RO membrane)	> 99%	> 99%	> 99%	> 99%
TOC-Organic Rejection Rate	> 99%	> 99%	> 99%	> 99%
Particles and Bacteria Rejection Rate	> 99%	> 99%	> 99%	> 99%
<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	< 5 ppb	< 5 ppb
Endotoxin (Pyrogens)	-	-	-	≤ 0.001 EU/ml
Rnases	-	-	< 0.01 ng/ml	< 0.01 ng/ml
Dnases	-	-	< 4 pg/µl	< 4 pg/µl
<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				
Final Disinfection Filter	-	Yes	Yes	Yes
UV Lamp	-	-	Yes	Yes
UF Filter	-	-	-	Yes
Standard Package	Main Unit (with 1 set cartridges in the machine) , 10lt Pressure Tank			
<b>Production Output Selection</b>				
10 , 20 , 40 , 60 liter/hour				