

## Laboratory Ultra-Pure Water System



**Ana Series**

### FEATURES:

1. Fully automatic microcomputer-controlled system, multi-level menu operation.
2. Backlit LCD screen (resolution: 128×64, size: 66×33mm), full-time real-time animation mode display, online 2-way water quality monitoring, real-time monitoring of RO water (conductivity), DI water or UP water (resistivity) quality.
3. Fully automatic RO membrane anti-scaling flushing (2 hours' interval) and manual forced flushing procedure, extend the lifetime of RO membrane.
4. Perfect management of consumables: settable lifetime of pretreatment, RO membrane, UV lamp and ultra-purification column, display of remaining lifetime, automatic replacement reminder to avoid water quality decline.
5. Comprehensive system maintenance and safety alarm: water shortage alarm, full water alarm, standard-exceeding alarms of source water, RO water and DI water/UP water, consumable life end alarm
6. User-friendly manual/automatic water withdrawal mode, timing of 1-99 min, qualitative water intake function (0.1-18.2 MΩ.cm).
7. System time setting function (year/month/day/hour/minute).
8. Factory, customer secondary password, system settings are password-protected to prevent unauthorized changes.
9. Three status indicators for operation, alarm and full water make the system working status clear at a glance.
10. A built-in 12-liter pressure bucket saves laboratory space and is convenient to install and maintain.
11. Compatible with pressure water bucket and liquid level water tank, optional external large capacity water storage bucket, meet the requirements of different applications.
12. Ultra-pure water circulation and disinfection function, free on and off, maintain low bacterial contamination level of the system (optional).
13. External hidden DC24V power supply, system working voltage lower than human body safety voltage. It is convenient to maintain and replace, ensures safety.
14. Integrated molded plastic chassis has ergonomic design, and water and electricity separation structure.
15. Pre-treatment, RO, and ultra-purification components adopt independent modular structure. The system maintenance and filter replacement are more convenient and in accordance with Good Laboratory Practice (GLP).
16. NSF certified pure water pipelines and joints.
17. Original ultra-long-lifetime composite KDF pre-filter column can be used without replacement for one year to reduce running cost.

18. Original RO membrane module design with original imported Dow's RO membrane to realize the combination of long lifetime RO membrane and high-quality water.
19. Original, unique and independently dismountable 4-column ultra-purification column module with original imported Dow's nuclear grade resin ensures top quality.
20. Dual-wavelength (185 nm & 254 nm) UV lamp assembly (imported lamp) for effective sterilization, lower TOC, and enhances the scope of applications.
21. MWCO5000DUF ultrafiltration unit (original import), effectively removes heat source (endotoxin), and is applicable to precision cell culture and IVF.
22. (0.45+0.1) µm imported PES polyether sulfone composite membrane terminal sterilizing filter ensures absolute sterile water.