

## Laboratory Ultra-Pure Water System



### Bio Series

#### FEATURES:

1. 5.0-inch color touch screen, animated menu, finger touch operation.
2. 3-way water quality monitoring, real-time monitoring of source water, RO water, DI water/UP water quality, no need to take water samples.
3. 2-way quantitative (10-999999 mL) and qualitative (1-18.25 MΩ.cm) water intake function.
4. Free starting and shutdown of ultra-pure water circulation system to maintain low bacterial contamination level of the system.
5. Full pipeline disinfection program, manual "circulation disinfection", "water intake disinfection", "water tank replenishment", "manual sewage discharge", and "stop disinfection".
6. Settable lifetime of PP, KDF, AC, RO, UP, UF, TF, and UV consumables; display of used time, and automatic reminder of replacement.
7. System time setting (year/month/day/hour/minute), timing standby (0-60 min), and timing shutdown (0-24 hour).
8. Water shortage alarm, full water alarm, standard exceeding alarms of source water, RO water and DI water/UP water.
9. Compatible with pressure bucket and liquid level tank. Direct display of storage capacity of water tank for various application requirements.
10. Factory and customer secondary password. System settings are password-protected, preventing unauthorized changes.
11. Fully automatic RO membrane anti-scaling flushing (settable flushing interval and duration) and manual forced flushing procedure to extend the lifetime of RO membrane.
12. Display and record of the consumable replacement time for fully understand of the equipment maintenance information.
13. Complete information search and data management functions, comprehensive control of system operation status, water quality, consumable condition, timely alarm, historical alarm, etc.
14. Built-in memory card automatically records one year's running data. Complete data export through USB port with settable time range.
15. Integrated molded plastic chassis with ergonomic design, water and electricity separated structure.
16. Pre-treatment, RO, and ultra-purification components adopt modular independent structure. Convenient system maintenance and filter replacement, in accordance with Good Laboratory Practice (GLP).
17. NSF certified pure water pipelines and joints.
18. Original ultra-long-lifetime composite KDF pre-filter column can be used without replacement for one year to reduce running cost.
19. Original RO membrane module design uses original imported Dow's RO membrane, realizes the combination of long lifetime RO membrane and high-quality water.

- 20. Original, unique and independently dismountable 4-column ultra-purification column module adopts original imported Dow's nuclear grade resin, ensures top quality.
- 21. Dual-wavelength (185 nm & 254 nm) UV lamp assembly (imported lamp) effectively sterilizes, reduces TOC, and enhances the scope of applications.
- 22. MWCO5000DUF ultrafiltration unit (original imported) effectively removes heat source (endotoxin), and is applicable to precision cell culture and IVF.
- 23. (0.45+0.1) µm imported PES polyether sulfone composite membrane terminal sterilizing filter ensures absolute sterile water.