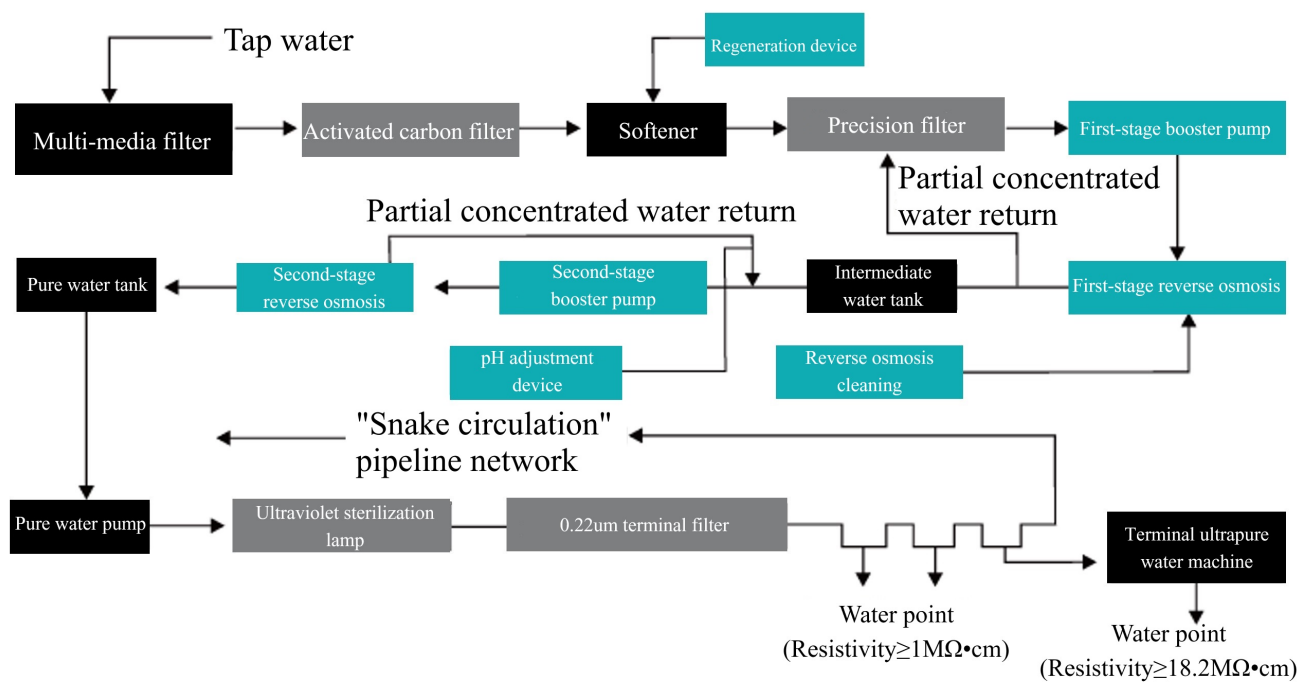




Purified Water System for Laboratory



Process Flow Chart





Overview of the experimental pure water system

The traditional model is that each laboratory uses a small water production device to produce and supply water in a decentralized manner, and this water supply method is gradually being phased out. In the design and construction of modern scientific laboratories, the laboratory adopts a centralized water supply method, which purifies the impurities in the water at a certain location to meet the experimental requirements, and supplies water to multiple use points through pipelines. Pure water---Central ultrapure water system.

Impurities in water that need to be treated

Particulate matter, colloidal matter, ionic matter, unreacted dissolved gas, microorganisms, heat sources, organic matter, residual disinfectants, etc.



Features of the pure water system

Control Function

- The system operates fully automatically and produces water continuously.
- It adopts patented technology for deep desalination treatment and fully considers the adaptability of post-treatment as the water quality flowing into the equipment changes with seasonal changes. It has both automatic and manual control modes to ensure the normal operation of the system.
- The pre-treatment unit can automatically produce water and perform regular cleaning, backwashing and rinsing.
- The reverse osmosis equipment has the function of RO membrane scale prevention program design and automatically flushes the RO membrane regularly.
- The system equipment has online chemical cleaning and disinfection functions.

Equipped with remote management and monitoring upgrade function (optional):

Sensors, data lines, cameras and computers can be combined organically, and using special management and monitoring software for pure water systems, system operation, maintenance, detection, security monitoring, recording, statistics and analysis can all be performed on an office computer.

Display Function

- Operating status and parameters display conductivity, resistance, pressure, flow rate and other related water quality data online in real time.
- Water leak detection function: If the system accidentally leaks, the system will automatically detect it and cut off the tap water at the same time, preventing water leakage from affecting the laboratory.

Safety Features

- Equipped with automatic protection and alarm functions, the system realizes coordination and will automatically shut down if a local problem occurs.
- Self-check when powered on, water shortage protection alarm, automatic shutdown protection and handling for high and low voltage.
- Equipped with automatic protection function, automatic fault alarm function, and handling function for abnormalities such as water outage, power outage and overload

