



TYPE I ULTRAPURE WATER PURIFICATION SYSTEM BKQ-201

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LABORATORY ULTRAPURE WATER SYSTEM



1. 0.22µm bacteria-retentive final filter.
2. UP resistivity $\geq 18.2 \text{ M}\Omega \text{ cm}$.
3. One-touch switching between RO and UP water.
4. 10L Mirror-polished stainless steel sterile tank with built-in UV sterilizer.
5. Compact Design : Optimized Space & Easy Operation
Split-type structure reduces benchtop footprint.
Simple industrial design for flexible placement.
Quick-change consumables for faster replacement and easier maintenance.
6. Core Purification : Protecting Laboratory Water Quality
High-efficiency RO membrane for removing ions, organics, and particles.
10 mirror-polished stainless-steel sterile tank with built-in UV sterilizer.
0.22µm bacteria-retentive final filter as the final purification barrier.

SPECIFICATIONS

Model	BKQ-201
Production Rate	20L/hr
Water Quality	Type I, Type III
Feed Water	Tap Water
Tank Capacity	10L
Working Temperature	10~35°C(inside room)
Feed Water Quality	Potable tap water (hardness < 200 ppm)
RO/UP Production Capacity	20 L/h
RO/UP Dispensing Flow Rate	60 L/h
RO Water Quality :	
Conductivity ($\mu\text{S/cm}$)	$\leq 10.0 \mu\text{S/cm}$ @ 25°C
TOC (RO)	$\leq 50 \text{ ppb}$
Salt Rejection	> 98.5% @ 25°C
Organic Rejection	> 99%
UP Water Quality :	
Resistivity ($\text{M}\Omega\cdot\text{cm}$)	$\geq 18.2 \text{ M}\Omega\cdot\text{cm}$ @ 25°C
TOC (UP)	$\leq 10 \text{ ppb}$
Microorganisms	$\leq 1 \text{ CFU/mL}$
Particles	$\leq 1/\text{mL}$
Heavy Metals	$\leq 0.1 \text{ ppb}$
RO Stages	(Single stage)
Working humidity	30%-85%
Power supply	220V (+10% or -10%), 50Hz (+1 or -1) "Use transformer can go 110V"
Water tank capacity	10L (No pressure & bacteria)
Alt Name	Laboratory Ultrapure Water System

FEATURES

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7. Smart Monitoring : Efficient Management

Online monitoring of RO conductivity and UP resistivity.

Display of key water-quality data for laboratory management.

Tank level display, consumable replacement reminder, and automatic RO membrane flushing.

8. Stable & Reliable : Better Efficiency and Long-Term Operation

Constant dispensing flow for consistent output.

High-quality fittings and secure tubing connections for reliability.

Designed to support long-term stable use.

9. The reverse osmosis host has the RO membrane anti-scaling program design function, which periodically flushes the RO membrane surface and effectively protects the operation of the RO membrane.

10. Fully automatic control of liquid levels in all water tanks: The equipment connection between the intermediate water tank, pure water tank and water tank not only realizes linkage, but also protects each pump from idling and damage.

11. Online monitoring of product water quality and recycling treatment of unqualified water: To ensure that the water quality at the water point meets the requirements, the water quality of the host machine is monitored online in real time, and a water quality feedback device is installed to circulate and reprocess unqualified water.

APPLICATIONS

Chromatography & Mass Spectrometry - HPLC, UPLC, LC-MS, GC-MS.

Spectroscopy & Elemental Analysis - ICP-MS, ICP-AES, AAS.

Precision Instruments - MALDI-TOF-MS, IC, TOC analyzers.

Chemical Analysis - Electrochemistry, spectrophotometric analysis.

Reagent & Media Preparation - Cell culture media preparation, molecular biology reagent preparation.

Routine Laboratory Use - Clinical reagent dilution, routine water use in small and medium laboratories.



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