PRODUCT CATALOG

TYPE I ULTRAPURE WATER PURIFICATION SYSTEM
BKQ-301

ISO9001 CERTIFIED

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TYPE I ULTRAPURE WATER PURIFICATION SYSTEM BKQ-301

PURE / ULTRAPURE WATER SYSTEMS

This series is a high-performance ultrapure water system designed for laboratories. Using tap water as feed, it consistently produces ultrapure water meeting Grade I of GB/T 6682-2008 and CAP requirements.
The system combines two-pass RO technology, a high-rejection RO membrane and a polished stainless-steel sterile tank with built-in UV. Multiple purification stages ensure stable,high-quality water. The 7-inch touchscreen and intelligent controller support online water monitoring and preset-quality, preset-volume dispensing for intuitive and efficient operation.
Its compact split design saves bench space. Quick-change disposable cartridges and dual mechanical/touch dispensing provide convenient and efficient laboratory water access.

1. Compact Design·Easy Operation
7" Touchscreen: Simple control
Split Design: Saves bench space
Dual Dispensing: Mechanical or touch control
2. Two-Pass RO· Sterile Water Tank
High-Rejection RO:Stable performance
Sterile Tank:Stainless steel with built-in UV
3. Reliable Quality: Meets CAP I and GB/T standards
Smart Monitoring· Easy Management
MCU Control: Stores water and quality records
4. Real-Time Display :Water quality and system status
Smart Dispensing : Preset quality and volume

SPECIFICATIONS

Model	BKQ-301
Production Rate	10L/hr
Water Quality	Type I, Type III
Feed Water	Tap Water
Tank Capacity	10L
Working temperature	10-35°C room
Feed Water Quality	Tap water (hardness < 200 ppm)
RO/UP Water Production Capacity	10 L/h
RO/UP Water Dispensing Flow Rate	60 L/h
Pure Water (RO) Production Quality :	
Product Water Conductivity (μS/cm)	≤ 5 μS/cm @ 25°C
Desalination Rate	≥ 99% @ 25°C
Organic Matter Removal Rate	> 99%
Ultrapure Water (UP) Quality :	
Product Water Resistivity (MΩ·cm)	≥ 18.2 MΩ·cm @ 25°C
Total Organic Carbon (TOC)	≤ 2 ppb
Microorganism	≤ 0.1 CFU/mL
Microparticles	≤ 1 particle/mL
Heavy Metal Content	≤ 0.1 ppb
Humidity requirements	30%~85%
Power supply	220V(+10%or-10%),50Hz(+1or-1)Pure(Adapter can be used)
Water tank storage	10 litre
Design Resistivity	18.2MQ/Cm @25°°C
Host size	H 565*W248*D 450mm(Fully drainable UV sterile water tank inside)
Alt Name	Pure / Ultrapure Water Systems

FEATURES

1. Compact Design·Easy Operation
7" Touchscreen: Simple control
Split Design: Saves bench space
Dual Dispensing: Mechanical or touch control
2. Two-Pass RO· Sterile Water Tank
High-Rejection RO:Stable performance
Sterile Tank:Stainless steel with built-in UV
3. Reliable Quality: Meets CAP I and GB/T standards
Smart Monitoring· Easy Management
MCU Control: Stores water and quality records
4. Real-Time Display :Water quality and system status
Smart Dispensing : Preset quality and volume
Stable Performance· Long Service
Constant Flow:Consistent and repeatable output
Quality Piping: Reliable, leak-free operation
5. Easy-to-use operation interface: Equipped with a 7-inch touch human-machine interface, the operation is intuitive and convenient, and users can easily control the operation and parameter settings of the equipment.
6. Efficient water tank design: Use 304 stainless steel mirror sterile water tank, fully sealed method and ultraviolet sterilization technology to ensure the hygiene and purity of water quality.
7. Intelligent control system: The equipment is equipped with an intelligent main control system to achieve fully automatic operation and improve work efficiency and stability.
8. Water quality monitoring guarantee: supports online monitoring of conductivity and resistivity to ensure reliable water quality and avoid using substandard water.
9. Flexible water intake mode: supports qualitative and quantitative water intake to meet different experimental needs and ensure accurate and convenient water intake.

APPLICATIONS

Chromatography & MS: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, spectrophotometry.
Life Sciences: Media and reagent preparation, especially for low-endotoxin and low-nuclease applications.
General Laboratory Use: Clinical reagent dilution and routine laboratory water needs.

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