PRODUCT CATALOG

TYPE I ULTRAPURE WATER PURIFICATION SYSTEM
BKO-602

CE ISO9001 CERTIFIED

www.biolabscientific.com

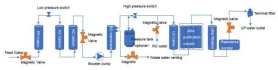
TYPE I ULTRAPURE WATER PURIFICATION SYSTEM BKO-602

ULTRAPURE WATER MACHINE

The case adopts ABS plastic spraying process; the appearance adopts curve design to be more beautiful and generous with removable drain tank
All Korean-style quick-inserted filter columns in the entire system are built into the chassis; easy maintenance and replacement;
Water quality online monitoring system, which can measure the water quality of the produced water immediately;
Equipped with a portable TDS pen, which can test TDS content, conductance and water temperature anytime and anywhere;
Touch the keys, two water quality, ready to use;
Touch the door to open the door design, the replacement of the filter element is simple and fast, the entire process does not require any tools, and the filter element replacement is easily completed;

SPECIFICATIONS

Model	BKO-602
Production Rate	20L/hr
Water Quality	Type I, Type III
Feed Water	Tap Water
Tank Capacity	12L
Type classification	Low TOC
The water requirements	Urban tap water, inlet water pressure: 0.15-0.5mpa, water temperature 5-40°C
RO water Parameter :	
Ion rejection rate	97%-99% (when using a new RO membrane)
Organic matter rejection rate	>99% when MW>200 Dalton
Particle and bacterial rejection	> 99%
UP water Parameter(ASTM TYPE I grade water) :	
Resistivity (25°C)	18.25 M Ω. Cm @ 25 °C
Heavy metal ion	< 0.01 ppb
Total organic carbon (TOC) *	<3 ppb
bacteria	< 1 cfu/ml *(with terminal filter)
Particulate matter (> 0.1 microns)	<1/ml
Pyrogen (endotoxin)	N/A
Ribonuclease (RNases)	N/A
Deoxyribonucleases	N/A
Application (TYPE I grade water)	Atomic absorption/emission spectrometry, mass spectrometry, TOC detection, environmental monitoring, biochip development, trace organic matter analysis
Electrical requirements	100-240V, 50/60Hz, 48-72W
The system configuration	Host machine (including 1 set of purification column)+12L pressure water storage tank +TDS pen + accessory bag
Alt Name	Ultrapure Water Machine



FEATURES

The case adopts ABS plastic spraying process; the appearance adopts curve design to be more beautiful and generous with removable drain tank
All Korean-style quick-inserted filter columns in the entire system are built into the chassis; easy maintenance and replacement;
Water quality online monitoring system, which can measure the water quality of the produced water immediately;
Equipped with a portable TDS pen, which can test TDS content, conductance and water temperature anytime and anywhere;
Touch the keys, two water quality, ready to use;
Touch the door to open the door design, the replacement of the filter element is simple and fast, the entire process does not require any tools, and the filter element replacement is easily completed;
Chinese LCD display and user-friendly operation interface allow you to fully monitor the working status and real-time data of the controller;
Four user passwords and factory password protection;
Perfect RO pure water and ultra pure water to make water, system water extraction, system flushing and other functions.
Perfect raw water pressure display, no water protection, high pressure water full protection functions and fault alarm function.
Complete consumable life management function, support the unique ID identification function of consumables, and eliminate counterfeit and inferior non-original consumables. (Optional)
It adopts low-voltage 24VDC as the main power supply, which complies with the safety regulations and meets the use in humid environments without causing harm to people.

APPLICATIONS

Atomic absorption/emission spectrometry, mass spectrometry, TOC detection, environmental monitoring, biochip development, trace organic matter analysis

MORE INFO

Product name	Picture	Function	Replace cycle
11" PP filter		remove impurities (greater than 5 micron) such as suspended solid, rust, sludge, colloid, etc.	About 4-6 month
11" activated carbon filter		remove color, odor, residual chlorine and heavy metals	About 4-6 month
Reverse osmosis membrane		filter out <1nm pollutants, ions, particles	About 1-2 years
Dual wavelength (185 & 254 nm) UV lamp		sterilization device, decomposition and photo oxidation OC, lower TOC (*-V,-VF) 185nm: TOC removal 254nm: sterilization	About 9000 hours
11" ultra-purification column		ion exchange resin bed, H+ and OH- ion removal	About 1000 liter/pc
Imported 5000 Dalton UF heat source column		remove pyrogen,RNase, DNase(*-F,-VF)	About 2-3 years

0.2 μm PES terminal filter		final removal for < 0.2μm bacteria	About 2-3 years

Biolab Scientific Ltd.
Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com