PRODUCT CATALOG

TYPE I ULTRAPURE WATER PURIFICATION SYSTEM BKO-401

ISO9001 CERTIFIED

www.biolabscientific.com

TYPE I ULTRAPURE WATER PURIFICATION SYSTEM BKO-401

ULTRAPURE WATER MACHINE

Applicable to various water quality, the case is powder coating.
The filter element adopts open mold injection technology and inside the machine Korean quick-insert filter column is easy to replace and maintain
The electrical appliance and waterways are completely separated to avoid circuit failure caused by moisture and water leakage.
Online water quality monitoring system, immediately measures the output water quality.
Automatic RO membrane anti-scaling flushing program, automatic stop when tap water breaks, automatic water breaking when machine stops, storage tank automatically fills water, automatic stopping when water is full.
NSF certified pipeline has function of upgrading water quality and quantity
Equipped with a portable TDS pen, you can test TDS content, conductance, water t

SPECIFICATIONS

Model	BKO-401
Production Rate	10L/hr
Water Quality	Type I, Type III
Feed Water	Tap Water
Tank Capacity	12L
Type classification	Comprehensive
Water rate	10/20/30 lph
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%
Application (RO water)	Front system of ultra-pure water machine, buffer configuration, photosensitive film washing, water supply for stability experiment box, meteorological experiment equipment, hydrogen generator, battery adding liquid, electroplating and other instruments
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)	< 0.001 Eu/ml
Ribonuclease (RNases)	<1pg/ml
Deoxyribonucleases	<5pg/ml
Application (TYPE I grade water)	Molecular biology, Life sciences, gene research, cell culture, amino acid analysis, protein purification, toxicology, drug development, medical testing
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

Applicable to various water quality, the case is powder coating.
The filter element adopts open mold injection technology and inside the machine
Korean quick-insert filter column is easy to replace and maintain
The electrical appliance and waterways are completely separated to avoid circuit failure caused by moisture and water leakage.
Online water quality monitoring system, immediately measures the output water quality.
Automatic RO membrane anti-scaling flushing program, automatic stop when tap water breaks, automatic water breaking when machine stops, storage tank automatically fills water, automatic stopping when water is full.
NSF certified pipeline has function of upgrading water quality and quantity
Equipped with a portable TDS pen, you can test TDS content, conductance, water temperature anytime, anywhere.
Double electric water intakes, two kinds of water quality, ready to use. Pressure online monitoring.
Open door at front and back, this makes filter replacement easy and convenient, the replacement can be easily completed without using any tools.
Double water intakes: RO water and UP water.

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