PRODUCT CATALOG

# TYPE I ULTRAPURE WATER PURIFICATION SYSTEM
# BKO-2104

ISO9001 CERTIFIED

www.biolabscientific.com

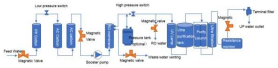
# TYPE I ULTRAPURE WATER PURIFICATION SYSTEM BKO-2104

ULTRAPURE WATER MACHINE

Full-automatic microcomputer control display monitors power supply, water shortage, water production, water full, flush, and strong flush control in real time.
Fully automatic RO membrane anti-fouling washing program and regular washing program to prolong the service life of RO membrane.
Real-time online water flow monitoring, water pressure monitoring, water production monitoring, and water pressure monitoring.
On-line resistivity monitoring of water quality, on-line detection of multiple working states, and real-time operation data.
The main components are imported brands to ensure excellent water quality and a variety of different configurations to meet your experimental needs.
Floor-standing design, with movable and fixed feet at the bottom, making installation and movement more convenient.

## SPECIFICATIONS

| Model | BKO-2104 |
|---|---|
| Production Rate | 120L/hr |
| Water Quality | Type I, Type III |
| Feed Water | Tap Water |
| Tank Capacity | 40/60L |
| Type classification | Standard |
| 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) * | <10 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) | All kinds of physical and chemical testing, biochemical analysis, blood examination, microanalysis, flushing special, HPLC, IC, GC, analysis experiment |
| Electrical requirements | 100-240V, 50/60Hz, 48-72W |
| The system configuration | Host machine (including 1 set of purification column)+40/60 L pressure water storage tank +TDS pen + accessory bag |
| Alt Name | Ultrapure Water Machine |



## FEATURES

Full-automatic microcomputer control display monitors power supply, water shortage, water production, water full, flush, and strong flush control in real time.
Fully automatic RO membrane anti-fouling washing program and regular washing program to prolong the service life of RO membrane.
Real-time online water flow monitoring, water pressure monitoring, water production monitoring, and water pressure monitoring.
On-line resistivity monitoring of water quality, on-line detection of multiple working states, and real-time operation data.
The main components are imported brands to ensure excellent water quality and a variety of different configurations to meet your experimental needs.
Floor-standing design, with movable and fixed feet at the bottom, making installation and movement more convenient.
The front of the machine is equipped with an independent water intake end, which is convenient and quick.
Double electric water intake: RO water, ultra-pure water, two kinds of water outlets.
Multiple safety protection, exquisite chassis and beautiful appearance.
Free portable TDS water quality testing pen.
Configure ultra-large capacity purification tank.

## APPLICATIONS

All kinds of physical and chemical testing, biochemical analysis, blood examination, microanalysis, flushing special, HPLC, IC, GC, analysis experiment.

## MORE INFO

| Product name | Picture | Function | Replace cycle |
|---|---|---|---|
| 20" 5 μm PP cotton | | remove impurities (greater than 5 micron) such as suspended solid, rust, sludge, colloid, etc. | About 4-6 month |
| 20" Refined activated carbon | | 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 (import) | | sterilization device, decomposition and photo oxidation OC, lower TOC (*-V,-VF) | About 9000 hours |
| 12L ultra purified tank | | ion exchange resin bed, H+ and OH- ion removal | About 25 tons |
| 11" ultra purification column | | | |
| Imported 5000 Dalton UF heat source column | | remove pyrogen,RNase, DNase(*-F,-VF) | About 2-3 years |

| | | | |
|---|---|---|---|
| 0.2μm 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