PRODUCT CATALOG

TYPE I ULTRAPURE WATER PURIFICATION SYSTEM
BKO-1203

ISO9001 CERTIFIED

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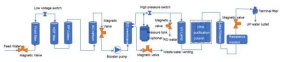
TYPE I ULTRAPURE WATER PURIFICATION SYSTEM BKO-1203

ULTRAPURE WATER MACHINE

Built-in filter, with 10 micron 316L stainless steel precision filter screen to remove fine impurities instead of PP cotton filter; manual drain valve, automatic cleaning at any time, soft scraping design for more thorough drainage, transparent shell make filtration effect visual.
The long-acting KDF device adopts the original imported filter material . It removes residual chlorine, heavy metals, and inhibits the growth of fungi at the front of water purification. It has a long service life, better protects the post-purification system, and extends lifetime of ultra-purification column
Built-in pressure tank which has an inner pouch whose material is anti-bacteria and it is transparent, the inner pouch can be changed anytime.
ABS engineering plastic case, powder coating technology, with water quality and quantity upgrading function, door is open at the side

SPECIFICATIONS

Model	BKO-1203
Production Rate	30L/hr
Water Quality	Type I, Type III
Feed Water	Tap Water
Tank Capacity	8L
Type classification	Comprehensive
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)	< 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)+8 L built-in pressure water storage tank +TDS pen + accessory bag
Alt Name	Ultrapure Water Machine



FEATURES

Built-in filter, with 10 micron 316L stainless steel precision filter screen to remove fine impurities instead of PP cotton filter; manual drain valve, automatic cleaning at any time, soft scraping design for more thorough drainage, transparent shell make filtration effect visual.

The long-acting KDF device adopts the original imported filter material . It removes residual chlorine, heavy metals, and inhibits the growth of fungi at the front of water purification. It has a long service life, better protects the post-purification system, and extends lifetime of ultra-purification column

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Type U Korean quick-insert filters, used imported filtering materials.

Backlight LCD display,dual waterway online monitoring, which can simultaneously display RO conductivity value,UP resistance value and equipment operating status indication.

Menu-type operation parameters can be set and modified, operating status display and indication light indicate to promptly reflect machine operating status such as high-pressure shutdown, low-pressure alarm, water full shutdown, etc.

Alarming for water quality exceeding, automatic filters replacement reminding, water intake time can be set. Take water by touching the key, Automatic indication light indicates RO and UP water intake.

Equipped with a portable test pen, which can test TDS content, conductance and water temperature anytime, anywhere

The pipeline adopts a quick-plug interface, the pipe joint passes NSF certification, dual-wavelength UV lamps, effectively sterilizes and reduces TOC, and the original imported 5000D ultra filtration module effectively removes pyrogen.

With RS-232C communication interface output, it can be connected with intelligent instruments with RS-232C interface to realize the transmission of measurement data or print records (optional).

APPLICATIONS

Molecular biology, Life sciences, gene research, cell culture, amino acid analysis, protein purification, toxicology, drug development, medical testing

MORE INFO

Product name	Picture	Function	Replace cycle
Front filter		10 micron 316 stainless steel washable filter, remove minor impurities,extend PP cotton lifetime.	/
KDF composite filter		Remove residual chlorine,heavy metals, retrain fungi breed, lifetime is very long, and can protect post-positive filters.	About 1 year
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

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