BioLAB

PRODUCT CATALOG

TYPE I ULTRAPURE WATER PURIFICATION SYSTEM
BBPS-202

CE ISO9001 CERTIFIED

www.biolabscientific.com

TYPE I ULTRAPURE WATER PURIFICATION SYSTEM BBPS-202

BASIC WATER PURIFICATION SYSTEM

This basic series is ideal for a wide range of applications. It produces RO, Deionized water and Ultrapure water. The organic rejection rate is greater than 99% using reverse osmosis. The resistivity reaches up to 18.2M?.cm which completely meets the highest grade I standard.

Human engineering design, high-strength, streamline plastic shell.
One time injection molding process case, material: Polypropylene PP.
Elegant and compact case, integrating pre-filter, RO, DI, UV, UF and terminal filter into one.
All filters are built-in, for the smallest outside space.
The top cap of pre-filters in the case can be rapidly opened to replace the pre-filters without opening the case.
With an electronic pressure sensor and microcomputer controlling, the system automatically produces pure water.
Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.
Self-flushing of the reverse osmosis membrane, extends the life of RO membrane.

SPECIFICATIONS

Model	BBPS-202
Production Rate	
Water Quality	Type I, DI Water
Feed Water	RO, Distilled, DI Water
Tank Capacity	
Water Inlet	RO water, Distilled water, Deionized water
Temperature	5-45℃
Pressure	1 atm*
Flow Procedure	AC+DI+UF+TF
Bacteria	<0.1 cfu/ml
Output (25℃)	Utmost up to 2.0 L/min (less output with UF cartridge)
Pure water outlet	Deionized water and Ultrapure water
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor
Dimension LxWxH	410x220x420 mm
Weight	20 kg
Standard configuration	Main body (Including 1 set of cartridges) + accessory bag
Power Consumption (W)	72 W
Power Supply	AC110-220 V, 50/60 Hz
Note	*The feed water quality will influence the pure water's quality and cartridges life-span. **AC: active carbon, DI: ion exchange, UV: ultraviolet, UF: ultrafiltration, TF: terminal microfiltration. ***Value of number will be influenced by feed water quality. ****The output will decrease with terminal filter or UF cartridge.
Deionized water quality :	
Resistivity	>5 MΩ·cm
Particle (>0.2μm)	<1/ml
Ultrapure Water Quality :	
TOC	<10 ppb
Heavy metal ion	<0.1 ppb

Endotoxin	<0.001 EU/ml
Rnases	<0.01 ng/ml
Dnases	<4pg/μl
Alt Name	Basic Water Purification System

FEATURES

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Self-flushing of the reverse osmosis membrane, extends the life of RO membrane.
On-line resistivity monitor, with apheliotropic LCD display, to detect the quality of deionized or ultrapure water.
Attached portable TDS (total dissolved solid)/conductivity test pen, with dry cell design, to detect the quality of tap water and RO water.
Different external tanks (optional) to meet every need and assure ample water-supply.
Pretreatment cartridges, RO module, ultrapure cartridges, all designed to modularize independently. Easy to maintain and replace.
Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.
DOW's RO membrane, ensure stable operation and high desalinization rate.
4 ultrapure cartridges, with DOW's nuclear-grade polishing resin, ensure ultrapure water's quality up to 18.2 MΩ.cm, with the lowest TOC dissolution.
Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
MWCO 5000D ultrafiltration module, effectively eliminate endotoxin precise cell cultivating and IVF.
(0.45+0.1)μm double layer PES terminal disinfection filter, assure the quality is absolutely axenic.

APPLICATIONS

Laboratory, Manufacturing, Reefkeeping, Aquarium, Laboratory, Research

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