BioLAB

PRODUCT CATALOG

TYPE III RO WATER PURIFICATION SYSTEM
BBPS-111

CE ISO9001 CERTIFIED

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TYPE III RO WATER PURIFICATION SYSTEM BBPS-111

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.

Automatic microcomputer controlling system, LED real-time animation mode display.
Running status is shown in the LED, such as flushing, producing water, full tank, water shortage, leakage and service.
Power on self test, power reset, alarm when work more than 6 hours continuously, water shortage, leakage, low pressure and high pressure.
3 procedure of the reverse osmosis membrane's self-flushing: power on, water shortage reset and work more than 2 hours continuously, extend the life of RO membrane.
Bench top and floor stand(except for 45 series and built-in tank type), 2 kind installation method
High-strength shell with powder painting technics, achieve elegant appearance an

SPECIFICATIONS

Model	BBPS-111
Production Rate	30L/hr
Water Quality	Type III, DI Water
Feed Water	Tap Water
Tank Capacity	10L
Water Inlet	Tap water: TDS<200 ppm (Extra pretreatment filter is recommended, if TDS>200 ppm)
Temperature	5-45°C
Pressure	1.0-4.0 Kgf/cm²
Flow Procedure	PF+AC+RO+DI
Ion rejection rate	96%-99% (New RO membrane)
Organic rejection rate	>99% (when MW>200 Dalton)
Particles and bacteria rejection rate	>99%
Bacteria	<0.1 cfu/ml (with terminal filter)
Output (25°C)	30 L/hrs
Pure water outlet	RO and deionized water
Dimension LxWxH	410x400x420 mm
Weight	20 kg
Standard configuration	Main body (Including 1 set of cartridges) + built-in 10 liters tank + TDS pen + 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. PF: polypropylene spun fiber, AC: active carbon, RO: reverse osmosis, DI: ion exchange. All specifications are tested under the situation: feed water's TDS=200 ppm, 25°C, 50 psi and 15% recovery rate.
Deionized water quality :	
Resistivity	>13-17.5 MΩ·cm
Conductivity	0.057-0.077 μS/cm
Particle (>0.2μm)	Particle (>0.2 μm) <1/ml (with terminal filter)
Alt Name	Basic Water Purification System

FEATURES

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Power on self test, power reset, alarm when work more than 6 hours continuously, water shortage, leakage, low pressure and high pressure.
3 procedure of the reverse osmosis membrane's self-flushing: power on, water shortage reset and work more than 2 hours continuously, extend the life of RO membrane.
Bench top and floor stand(except for 45 series and built-in tank type), 2 kind installation method
High-strength shell with powder painting technics, achieve elegant appearance and meeting GLP standard
Pretreatment cartridges, RO module, deionized cartridges, all designed to modularization independently. Easy to maintenance and replacement.
Built-in 12 liters pressure tank (IT series), save lab space and easy to maintain.
Different external tanks (optional) to meet every need and assure ample water-supply.
Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.
DOW's RO membrane, ensure stable operation and high desalinization rate.
Precision polishing mixed resin cartridge, combine high pure water quality and low running cost.
Portable TDS/conductivity test pen, testing feed water, RO water and deionized water's quality.

APPLICATIONS

Laboratory, Manufacturing, Reefkeeping, Aquarium

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