BioLAB

PRODUCT CATALOG

BASIC WATER PURIFICATION SYSTEM BBPS-508

CE ISO9001 CERTIFIED

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BASIC WATER PURIFICATION SYSTEM BBPS-508

BASIC WATER PURIFICATION SYSTEM

This basic series is ideal for 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, multi-menu operating, real-time animation mode display.
Super-large LCD (Resolution:240x128, dimension:106x57mm) display, display the system running state and various parameters intuitively.
3 way on-line sensor, detect the quality of feed water, RO water, or ultrapure water respectively.
System sterilization procedure, achieve the disinfection of ultrapure water's pipeline.
System circulation function, circulate water when the system stops working, to keep water quality.
Self-flushing of the reverse osmosis membrane, extends the life of RO membrane.
Multiple alarm functions: such as no water, full water, disqualification of feed

SPECIFICATIONS

Model	BBPS-508
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+UV+DI+UF+TF
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
Output(25°C)****	30 L/hrs
Pure water outlet	RO water and Ultrapure water
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor
DimensionLxWxH	410x220x420 mm
Weight	20 kg
Standard configuration	Main body (Including 1 set of cartridges)+15 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, UV: ultraviolet, UF: ultrafiltration, TF: terminal microfiltration. ***Value of number will be influenced by temperature and feed water quality. ****All the specifications are tested under the situation: feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.
Deionized water quality:	
Particle(>0.2μm)	-
Ultrapure Water Quality:	
Resistivity(25°C)	18.2 MΩ.cm
TOC***	<3 ppb
Endotoxin	<0.001 EU/ml
Rnases	<0.01 ng/ml

Dnases	<4 pg/μl
Heavy metal ion	<0.1 ppb
Flow rate	2.0 L/min (with pressure tank)
Alt Name	Basic Water Purification System

FEATURES

Automatic microcomputer controlling system, multi-menu operating, real-time animation mode display.
Super-large LCD (Resolution:240x128, dimension:106x57mm) display, display the system running state and various parameters intuitively.
3 way on-line sensor, detect the quality of feed water, RO water, or ultrapure water respectively.
System sterilization procedure, achieve the disinfection of ultrapure water's pipeline.
System circulation function, circulate water when the system stops working, to keep water quality.
Self-flushing of the reverse osmosis membrane, extends the life of RO membrane.
Multiple alarm functions: such as no water, full water, disqualification of feed water, RO water, deionized water or ultrapure water, cartridges' life-span ends.
The cartridge's life-span can be set, the time used and left can be displayed, replacing auto-reminding, avoiding the decline of water quality.
Level II password, protect all the parameters setting, and prohibit any unauthorized settings change.
Water dispensing function-timing and quality (Time range:1-99min, water quality range:0.1-18.2MΩ.cm).
RS 232/USB communication port(optional), at least store 1 years' water quality data.
Different external tanks (optional) to meet every need and assure ample water-supply.
Human engineering design, molding process, high-strength, streamline plastic shell.
Pretreatment cartridges, RO module, ultrapure cartridges, all designed to modularization independently. Easy to maintenance and replacement.
Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.
KDF pretreating cartridge, replace the ordinary active carbon, prolong the life-span to 12 months, reduce the running cost.
DOW's RO membrane, ensure stable operation and high desalinization rate.
4 in 1 ultrapure cartridges (also can be divided to 4 independent cartridge), 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 absolutely axenic.

APPLICATIONS

Laboratory, Manufacturing, Reefkeeping, Aquarium, Laboratory, Research

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