BioLAB

PRODUCT CATALOG

TYPE III RO WATER PURIFICATION SYSTEM
BBPS-402

CE ISO9001 CERTIFIED

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TYPE III RO WATER PURIFICATION SYSTEM BBPS-402

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.
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, extend the life of RO membrane.

SPECIFICATIONS

Model	BBPS-402
Production Rate	15L/hr
Water Quality	Type III, DI Water
Feed Water	Tap Water
Tank Capacity	15L
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+UV+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)	15 L/hrs
Pure water outlet	RO and deionized 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) + 15 liters tank + TDS pen + accessory bag
Power Consumption (W)	48 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, TF: terminal microfiltration. All specifications are tested under feed water TDS=200 ppm, 25°C, 50 psi and 15% recovery rate.
Deionized water quality	
Resistivity	>15-18.2 MΩ·cm
Conductivity	0.055-0.067 μS/cm
Particle(>0.2μm)	-

Ultrapure Water Quality	
Flow rate	2.0 L/min (with pressure tank)
Alt Name	Basic Water Purification System

FEATURES

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With an electronic pressure sensor and microcomputer controlling, the system automatically produces pure water.
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Self-flushing of the reverse osmosis membrane, extend 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 modularization independently. Easy to maintenance and replacement.
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

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