BioLAB

PRODUCT CATALOG

# TYPE III RO WATER PURIFICATION SYSTEM
# BBPS-104

CE ISO9001 CERTIFIED

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# TYPE III RO WATER PURIFICATION SYSTEM BBPS-104

## 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, 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, extend the life of RO membrane.
Multiple alarm functions: such as no water, full water, disqualification of feed

## SPECIFICATIONS

| Model | BBPS-104 |
|---|---|
| Production Rate | 15L/hr |
| Water Quality | Type III |
| Feed Water | Tap Water |
| Tank Capacity | 10L |
| Feed Water Requirements : | |
| 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+AC |
| Ion rejection rate | 96%-99% (New RO membrane) |
| Organic rejection rate | >99% (when MW>200 Dalton) |
| Particles and bacteria rejection rate | >99% |
| Output(25°C)**** | 15 L/hrs |
| Pure water outlet | RO 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 cartridge's life-span. PF: polypropylene spun fiber, AC: active carbon, RO: reverse osmosis, DI: ion exchange. Specifications are tested at TDS=200 ppm, 25°C, 50 psi, 15% recovery rate. |
| Alt Name | Basic Water Purification System |

## FEATURES

Automatic microcomputer controlling system, multi-menu operating, real-time animation mode display.
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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, extend 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 modularize independently. Easy to maintain and replace.
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 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 eliminating endotoxin precise cell cultivating and IVF.
(0.45+0.1)μm double layer PES terminal disinfection filter, assure the quality is absolutely axenic.

## APPLICATIONS

Food Industry, Beverage Industry, Agriculture, Boiler Feed, Disaster Relief Environmental, Hospital, Hotel, Marine, Military, Mining, Pharmaceutical, Power

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