



# BASIC WATER PURIFICATION SYSTEM BBPS-505

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## 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 $\Omega$ .cm which completely meets the highest grade I standard



With tap water inlet, to produce RO water and ultrapure water, quality can reach to above 10M $\Omega$ .cm.

Built-in 20 liters airtight plastic pressure water tank

Built-in 13 liters high-capacity polishing resin cartridge

Unique design and easy-to-replace cartridges pack unit.

Data storage and RS 232/USB communication port.

3 way on-line water quality sensor, multiple alarm.

Life-span of cartridges' display and alarm.

System circulation function, system sterilization procedure. (optional)

Molding process, high-strength, streamline plastic shell.

The graphic display clearly indicates all system's parameters. From water quality to knowing when it is time to change the purification pack, you'll see at a glance

## SPECIFICATIONS

Model	BBPS-505
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 Kg/cm <sup>2</sup>
Flow Procedure	PF+AC+RO+DI+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
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)	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(>0.2 $\mu$ m)	<1/ml
Ultrapure Water Quality	
Resistivity(25°C)	18.2 M $\Omega$ .cm
Heavy Metal Ion	-
TOC***	<10 ppb
Heavy metal ion	<0.1 ppb

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

## FEATURES

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The graphic display clearly indicates all system's parameters. From water quality to knowing when it is time to change the purification pack, you'll see at a glance what is needed.

For ease-of-use, the main purification technologies are contained in an innovative all-in-one pack that means you can change it in just a couple of minutes.

The system requires no special installation, connect the system to your tap water supply it's ready to use.

## APPLICATIONS

Laboratory, Manufacturing, Reefkeeping, Aquarium, Laboratory, Research



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