BioLAB

PRODUCT CATALOG

LARGE CAPACITY WATER PURIFICATION SYSTEM
BCPS-315

CE ISO9001 CERTIFIED

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LARGE CAPACITY WATER PURIFICATION SYSTEM BCPS-315

LARGE CAPACITY WATER PURIFICATION SYSTEM

This series is idea choice for general washing pure water. It's output ranges from 45 to 500 liter of water an hour. It has automatic microcomputer controlling system, real-time animation mode display. Pipeline and fast-plug adapter with NSF authorization, assure high-quality ultrapure water.

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 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.

SPECIFICATIONS

Model	BCPS-315
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+UV+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)****	94 L/hr
Pure water outlet	RO water and Ultrapure water
Water Quality Monitor	-
DimensionLxWxH	640x540x1110 mm
Weight	70 kg
Standard configuration	Main body (Including 1 set of cartridges)+ 2 built-in15 liters tank +accessory bag
Power Consumption (W)	120 W
Power Supply	AC110-220 V, 50/60 Hz
Note	*The feed water quality will influence the pure waters 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 waters TDS=200ppm, 25°C, 50psi and 15% recovery rate.
Ultrapure Water Quality:	<1/ml
Particle(>0.2μm)	<1/ml
Resistivity(25°C)	18.2 MΩ.cm
Heavy Metal Ion	<0.1 ppb
TOC***	<3 ppb
Alt Name	Large Capacity Water Purification System

FEATURES

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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 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.
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 absolutely axenic.

APPLICATIONS

Laboratory, Manufacturing, Reefkeeping, Aquarium, Laboratory, Research

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