PRODUCT CATALOG

LARGE CAPACITY WATER PURIFICATION SYSTEM BCPS-409

CE ISO9001 CERTIFIED

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LARGE CAPACITY WATER PURIFICATION SYSTEM BCPS-409

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.
Used in Laboratory, Manufacturing, Reefkeeping, Aquarium, Laboratory, Research.
Also known as Laboratory Double stage RO ultrapure Water Purification System.

BCPS-409 LARGE CAPACITY WATER PURIFICATION SYSTEM

Automatic microcomputer controlling system, multi-menu operating, real-time animation mode display.

Super-large LCD (Resolution:240×128, dimension:106×57mm) 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.

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, cartridge's 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.

2 built-in tank (capacity:15 liters per tank) to save lab space, and optional exterior tanks meet different need to assure ample water-supply.

High-strength stainless steel shell with powder painting technics, achieve elegant appearance and meeting GLP standard.

The system is floor type, and it is convenient to move with wheels on the bottom.

Enough internal space is reserved to add circulation transportation system for central water supply.

Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.

DOW's RO membrane, ensure stable operation and high desalinization rate.

Special large capacity ultrapure polishing technology, to optimize pure water quality maximumly with minimum resin. With DOW's nuclear-grade polishing resin, to 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.

SPECIFICATIONS

Model	BCPS-409
Feed Water Requirements*	
Water Inlet	Tap water: TDS<200 ppm (Extra pretreatment filter is recommended, if TDS>200 ppm)
Temperature	5-45℃

Pressure	1.0-4.0 Kgf/cm²
Flow Procedure**	PF+AC+RO+RO+(UV)+AC+DI+(UF)+TF
Bacteria	<0.1 cfu/ml
Output(25°C)****	1st stage RO water: 63 L/hr, 2nd stage RO water: 30 L/hr
Pure water outlet	1st, 2nd stage RO and Ultrapure water
DimensionLxWxH	760x630x1190 mm
Weight	80 kg
Standard configuration	Main body (Including 1 set of cartridges) + built-in 2 tank (40L PE tank+2 gallon pressure tank)+ accessory bag
Power Consumption (W)	300 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.
Ultrapure Water Quality	
Resistivity(25°C)	18.2 MΩ.cm
Heavy Metal Ion	<0.1 ppb
TOC***	<3 ppb
Particle (>0.2μm)	<1/ml
1st stage RO water's TDS	TDS (ppm, mg/l) < TDS of tap water x 5%
2nd stage RO water's conductivity	1-5μs/cm, Organic rejection rate>99% (when MW>200 Dalton), Particles and bacteria rejection rate>99%

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