



# LABORATORY WATER PURIFICATION SYSTEM BLPS-204

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## LABORATORY WATER PURIFICATION SYSTEM

Laboratory water purification system uses double stage reverse osmosis technology. It produces double stage RO water, Deionised, EDI and ultrapure water. These systems have 3 way on-line water quality sensor, multiple alarm with unique design and it has easy-to-replace cartridges pack unit.



Integrating with Ionpure Electro deionization technology and module.

The largest capacity is 240 liters pure water per day.

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, deionized 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.

## SPECIFICATIONS

|                                  |                                                                       |
|----------------------------------|-----------------------------------------------------------------------|
| Model                            | BLPS-204                                                              |
| Water Inlet                      | Tap water                                                             |
| Temperature                      | 5-45°C                                                                |
| Pressure                         | 1.0-4.0 Kg/cm <sup>2</sup>                                            |
| Bacteria                         | <0.1 cfu/ml                                                           |
| DimensionLxWxH                   | 545x470x610 mm                                                        |
| Weight                           | 20 kg                                                                 |
| Power Consumption (W)            | 240 W                                                                 |
| Power Supply                     | AC110-220 V, 50/60 Hz                                                 |
| Note                             | *The quality of output water accords with the quality of inlet water. |
| Ultrapure Water Quality:         |                                                                       |
| Heavy Metal Ion                  | <0.1 ppb                                                              |
| Endotoxin                        | <0.001 EU/ml                                                          |
| Rnases                           | <0.01 ng/ml                                                           |
| Dnases                           | <4pg/μl                                                               |
| Feed Water Requirements:         |                                                                       |
| Output                           | 24 L/hrs at 25°C                                                      |
| Flow rate (with pressure tank)   | >1.5 L/min                                                            |
| Resistivity (25°C)               | 18.2 MΩ.cm                                                            |
| TOC*                             | 3 ppb                                                                 |
| Particle (>0.1μm)                | <1/ml                                                                 |
| Conductivity of 2 stage RO water | 1-5μs/cm*                                                             |
| Alt Name                         | Laboratory Water Purification System                                  |

## FEATURES

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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 cartridges' 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 year's 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, Electro deionization 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.

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 cartridge), 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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