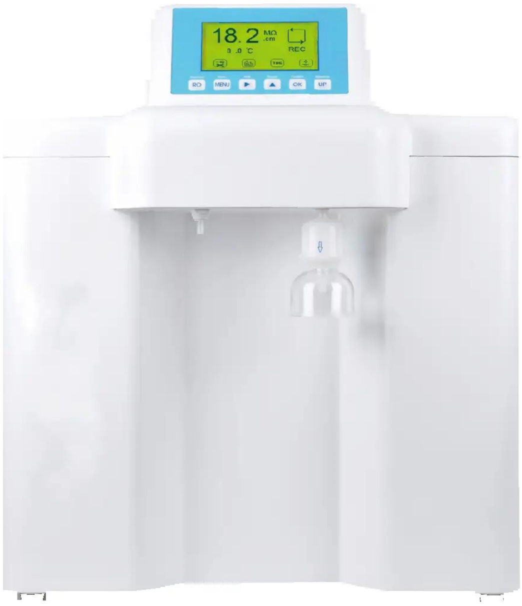
PRODUCT CATALOG



LABORATORY WATER PURIFICATION SYSTEM
BEU1R3 (BLPS-804)

ISO9001 CERTIFIED

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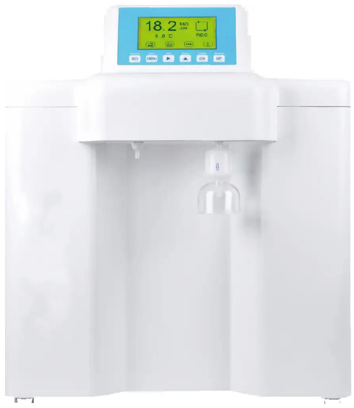
LABORATORY WATER PURIFICATION SYSTEM BEU1R3

LABORATORY WATER PURIFICATION SYSTEM

The 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 sensors, multiple alarms with unique design and it has an easy-to-replace cartridge pack unit.



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	BEU1R3
Old Model	BLPS-804
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/cm^2
Bacteria	<0.1 cfu/ml
Output(25°C)****	10 L/hrs
Pure water outlet	2:Electro Deionization water, ultrapure water
DimensionLxWxH	500x360x540 mm
Weight	30 kg
Standard configuration	Main body (Including 1 set of cartridges) + 20 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 water's quality and cartridges life-span. **PF:polypropylene spun fiber, KDF:kinetic degradation fluxion, AC:active carbon, RO:reverse osmosis, SF:softener, EDI: electro deionization, UV:ultraviolet, DI:ion exchange, 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℃, 50psi and 15% recovery rate.
Ultrapure Water Quality:	
Heavy Metal Ion	<0.1 ppb
TOC***	<30 ppb
Endotoxin	<0.001 EU/ml
Rnases	0.01 ng/ml
Dnases	<4pg/μl
Feed Water Requirements:	
Resistivity (25℃)	18.2 MΩ.cm
Particle (>0.1μm)	<1/ml
Flow procedure**	PF+KDF+AC+RO+SF+EDI+UV+DI+UF+TF

EDI water quality:	
Resistivity***	>5 MΩ.cm
Silicon rejection rate	>99.9%
Alt Name	Laboratory Water Purification System

FEATURES

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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 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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