



## LABORATORY WATER PURIFICATION SYSTEM

# 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.

Used in Laboratory, Manufacturing, Reefkeeping, Aquarium, Laboratory, Research.

Also known as Laboratory Ultrapure water system.

## 100 LABORATORY WATER PURIFICATION SYSTEM



Double stage reverse osmosis technology.

With tap water inlet, to produce double stage RO water and ultrapure water, quality can reach to 18.2 MΩ.cm.

Built-in 5.8 liters PE tank and 10 liters airtight plastic pressure water tank.

Built-in 1st stage RO pump, 2nd stage RO pump and circulating sanitizing pump.

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.

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.

## SPECIFICATIONS

Model	BLPS-101	BLPS-102	BLPS-104	BLPS-103
Feed Water Requirements*				
Water Inlet	Tap water			
Temperature	5-45°C			
Pressure	1.0-4.0 Kg/cm <sup>2</sup>			
Bacteria	<0.1 cfu/ml			
Dimension LxWxH	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	12 L/hrs at 25°C			
Flow rate (with pressure tank)	>1.5 L/min			

Resistivity (25°C)	18.2 MΩ.cm	
TOC*	10 ppb	3 ppb
Particle (>0.1μm)	<1/ml	
Conductivity of 2 stage RO water	1-5μs/cm*	



BLPS-101



BLPS-102



BLPS-104



BLPS-103

## 300 LABORATORY WATER PURIFICATION SYSTEM



Double stage reverse osmosis technology.

With tap water inlet, to produce double stage RO water and ultrapure water, quality can reach to 18.2 MΩ.cm.

Built-in 5.8 liters PE tank and 10 liters airtight plastic pressure water tank.

Built-in 1st stage RO pump, 2nd stage RO pump and circulating sanitizing pump.

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.

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 need.

For ease-of-use, the main purification technologies are contained in an innovative all-in-one pack that mean 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.

## SPECIFICATIONS

Model	BLPS-301	BLPS-302	BLPS-304	BLPS-303
Feed Water Requirements*				
Water Inlet	Distilled water, Deionized water or reverse osmosis water			
Temperature	5-45°C			
Pressure	1 atm			
Bacteria	<0.1 cfu/ml			
Dimension LxWxH	545x470x610 mm			
Weight	20 kg			
Power Consumption (W)	120 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	>1.5 L/min		
Flow rate (with pressure tank)	-	-	
Resistivity (25°C)	18.2 MΩ.cm		
TOC*	10 ppb		3 ppb
Resistivity of High Pure Water	>10 MΩ.cm		



BLPS-301



BLPS-302



BLPS-304



BLPS-303

# BLPS-701 LABORATORY WATER PURIFICATION SYSTEM



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: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, 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.

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.

## SPECIFICATIONS

Model	BLPS-701
Feed Water Requirements*	
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**	-

Ion rejection rate	96%-99% (New RO membrane)
Organic rejection rate	>99%,when MW>200 Dalton
Particles and bacteria rejection rate	>99%
Output(25°C)****	10 L/hrs
Pure water outlet	2: RO water, Electro Deionization water
DimensionLxWxH	500x360x540 mm
Weight	25 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	<p>*The feed water quality will influence the pure water's quality and cartridges life-span.</p> <p>**PF:polypropylene spun fiber, KDF:kinetic degradation fluxion, AC:active carbon, RO:reverse osmosis, SF:softener, EDI: electro deionization, UV:ultraviolet, TF:terminal microfiltration.</p> <p>***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.</p>
Ultrapure Water Quality	
TOC***	<30 ppb
Flow procedure**	PF+KDF+AC+RO+SF+EDI
EDI water quality	
Resistivity***	>5 MΩ.cm
Silicon rejection rate	>99.9%

## BLPS-702 LABORATORY WATER PURIFICATION SYSTEM



With tap water inlet, to produce RO water and ultrapure water,quality can reach to18.2 MΩ.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.

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 what is need

For ease-of-use,the main purification technologies are contained in an innovative all-in-one pack that mean 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.

## SPECIFICATIONS

Model	BLPS-702
Feed Water Requirements*	
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**	-
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
Particles(>0.2µm)	<1/ml
Output(25°C)****	10 L/hrs
Pure water outlet	2: RO water, Electro Deionization water
DimensionLxWxH	500x360x540 mm
Weight	25 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	<p>*The feed water quality will influence the pure water's quality and cartridges life-span.</p> <p>**PF:polypropylene spun fiber, KDF:kinetic degradation fluxion, AC:active carbon, RO:reverse osmosis, SF:softener, EDI: electro deionization, UV:ultraviolet, TF:terminal microfiltration.</p> <p>***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.</p>
Ultrapure Water Quality	
TOC***	<30 ppb
Flow procedure**	PF+KDF+AC+RO+SF+EDI+UV+TF
EDI water quality	
Resistivity***	>5 MΩ.cm
Silicon rejection rate	>99.9%

## BLPS-401 LABORATORY WATER PURIFICATION SYSTEM



With tap water inlet, to produce RO water and ultrapure water,quality can reach to above10MΩ.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 what is need

For ease-of-use,the main purification technologies are contained in an innovative all-in-one pack that mean 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.

## SPECIFICATIONS

Model	BLPS-401
Feed Water Requirements*	

Water Inlet	Tap water
Temperature	5-45°C
Pressure	1.0-4.0 Kg/cm <sup>2</sup>
Bacteria	<0.1 cfu/ml
Dimension LxWxH	570x600x1500 mm
Weight	60 kg
Power Consumption (W)	120 W
Power Supply	AC110-220 V, 50/60 Hz
Note	*The quality of output water accords with the quality of inlet water.
Deionized water quality	
Resistivity	>10 MΩ.cm
Conductivity	-
Particle(>0.2μm)	<1/ml
Ultrapure Water Quality	
Heavy metal ion	<0.1 ppb
Feed Water Requirements	
Output	60 L/hrs
Conductivity of RO water quality	< tap water x4%

## BLPS-402 LABORATORY WATER PURIFICATION SYSTEM



### Integration design

Integrating pretreatment, reverse osmosis, deionization, ultraviolet, ultrafiltration, microfiltration, 250 liters stainless steel tank and pure water supplying and circulation system together.

### Perfect control, monitor and alarm

This series could monitor and alarm, including shortage of water, leaking, water pressure, water level, flow velocity and water quality etc.

### Operate and record easily

This series operate automatically, all the status of working has indicator light; it also could connect to the computer, then you can download all the information from the computer.

### Reliable safety

This series would alarm, when the water quality is not qualified, also has the protection of high/low voltage, electrical overload protection and protection for leaking.

### Good extension

BCPS 600 series pure water could be feed water of BBPS 200, BDPS 400, BLPS 100, BLPS 200 and BLPS 300 series. The quality of ultrapure water can reach to 18.2MΩ.cm, meet the requirements of PLC, IC, ICP-MS, GF-AAS. Physics, electrochemical and interface research, molecular biology and life science, animal cells and plant cell culture.

## SPECIFICATIONS

Model	BLPS-402
Feed Water Requirements*	
Water Inlet	Tap water
Temperature	5-45°C
Pressure	1.0-4.0 Kg/cm <sup>2</sup>



Bacteria	<0.1 cfu/ml
DimensionLxWxH	570x600x1500 mm
Weight	60 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.
Deionized water quality	
Resistivity	>10 MΩ.cm
Conductivity	-
Particle(>0.2μm)	-
Ultrapure Water Quality	
Heavy metal ion	<0.1 ppb
Feed Water Requirements	
Output	90 L/hrs
Conductivity of RO water quality	< tap waterx4%

## BLPS-201 LABORATORY WATER PURIFICATION SYSTEM



With tap water inlet, to produce RO water and ultrapure water, quality can reach to 18.2 MΩ.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.

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 what is need

For ease-of-use, the main purification technologies are contained in an innovative all-in-one pack that mean 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.

## SPECIFICATIONS

Model	BLPS-201
Feed Water Requirements*	
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
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*	10 ppb
Particle (>0.1µm)	<1/ml
Conductivity of 2 stage RO water	1-5µs/cm*

## 200 LABORATORY WATER PURIFICATION SYSTEM



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: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, 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.

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.

## SPECIFICATIONS

Model	BLPS-202	BLPS-204	BLPS-203
Feed Water Requirements*			
Water Inlet	Tap water		
Temperature	5-45°C		
Pressure	1.0-4.0 Kg/cm <sup>2</sup>		
Bacteria	<0.1 cfu/ml		

Dimension LxWxH	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*	10 ppb	3 ppb
Particle (>0.1μm)	<1/ml	
Conductivity of 2 stage RO water	1-5μs/cm*	



BLPS-202



BLPS-204



BLPS-203

## 800 LABORATORY 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.

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.

## SPECIFICATIONS

Model	BLPS-801	BLPS-803	BLPS-804
Feed Water Requirements*			
Water Inlet	Tap water: TDS<200 ppm (Extra pretreatment filter is recommended if TDS>200 ppm)		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>		
Bacteria	<0.1 cfu/ml		

Output(25℃)****	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		
TOC*	-		
Particle (>0.1μm)	<1/ml		
Flow procedure**	PF+KDF+AC+RO+SF+EDI+DI+TF	PF+KDF+AC+RO+SF+EDI+UV+DI+TF	PF+KDF+AC+RO+SF+EDI+UV+DI+UF+TF
EDI water quality			
Resistivity***	>5 MΩ.cm		
Silicon rejection rate	>99.9%		
Flow Procedure**	-	-	
Water Quality Monitor	-		



BLPS-801



BLPS-803



BLPS-804

## BLPS-802 LABORATORY WATER PURIFICATION SYSTEM



With 5.0 inch touch screen system  
3 way water quality sensor  
2 way flow sensor for quantified dispensing  
single stage RO system  
2 pump and Ionpure EDI module  
With tap water inlet  
The largest capacity is 240 liters per day.  
It can produce deionized water and ultrapure water.

### SPECIFICATIONS

Model	BLPS-802
Output(25°C)	10 liters/hour
Pure water outlet	2: deionized water, ultrapure water
Resistivity	18.2 MΩcm
TOC	<3ppb
Bacteria	<0.1cfu/ml
Particle	<1/ml
Endotoxin	< 0.001Eu/ml
Silicone rejection rate	>99.9%
Dimension	500x360x540mm
Weight	20Kg
Power	120V

## 500 LABORATORY WATER PURIFICATION SYSTEM



With tap water inlet, to produce RO water and ultrapure water, quality can reach to 18.2 MΩ.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.

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 what is need

For ease-of-use, the main purification technologies are contained in an innovative all-in-one pack that mean 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.

# SPECIFICATIONS

Model	BLPS-501	BLPS-502	BLPS-504
Feed Water Requirements*			
Water Inlet	Tap water		
Temperature	5-45°C		
Pressure	1.0-4.0 Kg/cm²		
Bacteria	<0.1 cfu/ml		
DimensionLxWxH	570x600x1500 mm		
Weight	60 kg		
Power Consumption (W)	120 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	60 L/hrs at 25°C		
Flow rate (with pressure tank)	-		
Resistivity (25°C)	18.2 MΩ.cm		
TOC*	10 ppb	3 ppb	
Particle (>0.1µm)	<1/ml		
Conductivity of RO water quality	< tap waterx4%		



BLPS-501



BLPS-502



BLPS-504



# BLPS-503 LABORATORY WATER PURIFICATION SYSTEM



With tap water inlet, to produce RO water and ultrapure water, quality can reach to 18.2 MΩ.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.

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 what is need

For ease-of-use, the main purification technologies are contained in an innovative all-in-one pack that mean 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

## SPECIFICATIONS

Model	BLPS-503
Feed Water Requirements*	
Water Inlet	Tap water
Temperature	5-45°C
Pressure	1.0-4.0Kgf/cm <sup>2</sup>
Bacteria	<0.1 cfu/ml
Dimension LxWxH	570x600x1500 mm
Weight	60 kg
Power Consumption (W)	120 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
Feed Water Requirements	
Output	60 L/hrs at 25°C
Flow rate (with pressure tank)	-
Resistivity (25°C)	18.2 MΩ.cm
TOC*	3 ppb
Particle (>0.1µm)	<1/ml
Conductivity of RO water quality	< tap water x 4%

## 600 LABORATORY WATER PURIFICATION SYSTEM



With distilled water, deionized water or reverse osmosis water inlet, to produce high pure water and ultrapure water

High pure water's quality is above 10 MΩ.cm, and ultrapure water's quality can reach to 18.2 MΩ.cm.

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.

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.

## SPECIFICATIONS

Model	BLPS-601	BLPS-602	BLPS-604	BLPS-603
Feed Water Requirements*				
Water Inlet	Tap water			
Temperature	5-45°C			
Pressure	1.0-4.0 Kgf/cm²			1.0-4.0Kgf/cm²
Bacteria	<0.1 cfu/ml			
DimensionLxWxH	570x600x1500 mm			
Weight	60 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	90 L/hrs at 25°C			
Flow rate (with pressure tank)	-	-		
Resistivity (25°C)	18.2 MΩ.cm			
TOC*	3 ppb			
Particle (>0.1µm)	<1/ml			
Conductivity of RO water quality	< tap waterx4%			



BLPS-601



BLPS-602



BLPS-604



BLPS-603



**Biolab Scientific Ltd.**

3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8, Canada

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)