BioLAB

PRODUCT CATALOG

BASIC WATER PURIFICATION SYSTEM

CE ISO9001 CERTIFIED

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BASIC WATER PURIFICATION SYSTEM

This basic series is ideal for wide range of applications. It produces RO, Deionized water and Ultrapure water. The organic rejection rate is greater than 99% using reverse osmosis. The resistivity reaches up to 18.2M?.cm which completely meets the highest grade I standard.
Used in Laboratory, Manufacturing, Reefkeeping, Aquarium.
Also known as Laboratory Deionized water system.

100 BASIC WATER PURIFICATION SYSTEM

Automatic microcomputer controlling system, LED real-time animation mode display.

Running status is showed in the LED, such as flushing, producing water, full tank, water shortage, leakage and service.

Power on self test, power reset, alarm when work more than 6 hours continuously, water shortage, leakage, low pressure

and high pressure.

3 procedure of the reverse osmosis membrane's self-flushing: power on, water shortage reset and work more than 2 hours

continuously, extend the life of RO membrane.

Bench top and floor stand(except for 45 series and built-in tank type), 2 kind installation method

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

Pretreatment cartridges, RO module, deionized cartridges, all designed to modularization independently. Easy to

maintenance and replacement.

Built-in 12 liters pressure tank (IT series), save lab space and easy to maintain.

Different external tanks (optional) to meet every need and assure ample 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.

Precision polishing mixed resin cartridge, combine high pure water quality and low running cost.

Portable TDS/conductivity test pen, testing feed water, RO water and deionized water's quality.

SPECIFICATIONS

Model	BBPS-107	BBPS-110	BBPS-108
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 Kgf/cm²		
Flow Procedure**	PF+AC+RO+DI		
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 (with terminal filter)		
Output(25°C)****	15 L/hrs		30 L/hrs

Pure water outlet	RO and deionized water		
DimensionLxWxH	410x320x420 mm	410x400x420 mm	410x320x420 mm
Weight	15 kg	20 kg	15 kg
Standard configuration	Main body (Including 1 set of cartridges) + TDS pen+ accessory bag	Main body (Including 1 set of cartridges)+ built-in 10 liters tank + TDS pen+ accessory bag	Main body (Including 1 set of cartridges) + TDS pen+ accessory bag
Power Consumption (W)	72 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. ***All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C , 50psi and 15% recovery rate.	*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. ***All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.	
Deionized water quality			
Resistivity	>13-17.5MΩ.cm		
Conductivity	0.057-0.077μs/cm		
Particle(>0.2μm)	Particle (>0.2 μm)<1/ml (with terminal filter)		

Model	BBPS-111	BBPS-101	BBPS-104
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 Kgf/cm²		
Flow Procedure**	PF+AC+RO+DI	PF+AC+RO+AC	
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 (with terminal filter)	-	-
Output(25°C)****	30 L/hrs	15 L/hrs	
Pure water outlet	RO and deionized water	RO water	
DimensionLxWxH	410x400x420 mm	410x320x420 mm	410x400x420 mm
Weight	20 kg	15 kg	20 kg
Standard configuration	Main body (Including 1 set of cartridges)+ built-in 10 liters tank + TDS pen+ accessory bag	Main body (Including 1 set of cartridges) + TDS pen+ accessory bag	Main body (Including 1 set of cartridges)+ built-in 10 liters tank + TDS pen+ accessory bag
Power Consumption (W)	72 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. ***All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.	*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. ***All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.	
Deionized water quality			

Resistivity	>13-17.5MΩ.cm	-	-
Conductivity	0.057-0.077μs/cm	-	-
Particle(>0.2μm)	Particle (>0.2 μm)<1/ml (with terminal filter)	-	-

Model	BBPS-102	BBPS-105	BBPS-103
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 Kgf/cm²		
Flow Procedure**	PF+AC+RO+AC		
Ion rejection rate	96%-99% (New RO membrane)		
Organic rejection rate	>99% (when MW>200 Dalton)		
Particles and bacteria rejection rate	>99%		
Bacteria	-	-	-
Output(25°C)****	30 L/hrs		45 L/hrs
Pure water outlet	RO water		
DimensionLxWxH	410x320x420 mm	410x400x420 mm	410x320x420 mm
Weight	15 kg	20 kg	15 kg
Standard configuration	Main body (Including 1 set of cartridges) + TDS pen+ accessory bag	Main body (Including 1 set of cartridges)+ built-in 10 liters tank + TDS pen+ accessory bag	Main body (Including 1 set of cartridges) + TDS pen+ accessory bag
Power Consumption (W)	72 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, AC:active carbon, RO:reverse osmosis, DI:ion exchange. ***All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.		
Deionized water quality			
Resistivity	-	-	-
Conductivity	-	-	-
Particle(>0.2μm)	-	-	-


BBPS-107


BBPS-110


BBPS-108


BBPS-111


BBPS-101


BBPS-104


BBPS-102


BBPS-105

BBPS-103

100 BASIC 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	BBPS-109	BBPS-106
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 Kgf/cm²	
Flow Procedure**	PF+AC+RO+DI	PF+AC+RO+AC
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 (with terminal filter)	-
Output(25°C)****	45 L/hrs	
Pure water outlet	RO and deionized water	RO water
DimensionLxWxH	410x320x420 mm	410x400x420 mm
Weight	15 kg	20 kg
Standard configuration	Main body (Including 1 set of cartridges) + TDS pen+ accessory bag	Main body (Including 1 set of cartridges)+ built-in 10 liters tank + TDS pen+ 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, AC:active carbon, RO:reverse osmosis, DI:ion exchange. ***All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.	*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. ***All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.
Deionized water quality		
Resistivity	>13-17.5MΩ.cm	-
Conductivity	0.057-0.077μs/cm	-
Particle(>0.2μm)	<1/ml	-

BBPS-109

BBPS-106

BBPS-301 BASIC WATER PURIFICATION SYSTEM

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.

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.

SPECIFICATIONS

Model	BBPS-301
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 Kgf/cm²
Flow Procedure**	PF+AC+RO+AC
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 (with optional 0.45+0.1μm PES terminal filter)
Particles(>0.2μm)	<1/ml (with optional 0.45+0.1 μm PES terminal filter)

Output(25°C)****	15 L/hrs
Pure water outlet	RO water
Water Quality Monitor	Portable TDS/conductivity test pen
DimensionLxWxH	410x220x420 mm
Weight	20 kg
Standard configuration	Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag
Power Consumption (W)	48 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. ***All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.
Ultrapure Water Quality	
Flow rate	2.0 L/min (with pressure tank)

BBPS-302 BASIC WATER PURIFICATION SYSTEM

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	BBPS-302
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 Kgf/cm²
Flow Procedure**	PF+AC+RO+AC
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 (with optional 0.45+0.1μm PES terminal filter)
Particles(>0.2μm)	<1/ml (with optional 0.45+0.1 μm PES terminal filter)
Output(25°C)****	30 L/hrs
Pure water outlet	RO water
Water Quality Monitor	Portable TDS/conductivity test pen
DimensionLxWxH	410x220x420 mm

Weight	20 kg
Standard configuration	Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag
Power Consumption (W)	72 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. ***All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.
Ultrapure Water Quality	
Flow rate	2.0 L/min (with pressure tank)

200 BASIC WATER PURIFICATION SYSTEM

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.

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.

SPECIFICATIONS

Model	BBPS-201	BBPS-202	BBPS-203	BBPS-204
Feed Water Requirements*				
Water Inlet	RO water, Distilled water, Deionized water			
Temperature	5-45°C			
Pressure	1atm*			
Flow Procedure**	AC+DI+TF	AC+DI+UF+TF	UV+AC+DI+TF	UV+AC+DI+UF+TF
Ion rejection rate	-		-	-
Organic rejection rate	-		-	-
Particles and bacteria rejection rate	-		-	-
Bacteria	<0.1 cfu/ml			
Output(25°C)****	Utmost up to 2.0 L/min (less output with UF cartridge)			
Pure water outlet	Deionized water and Ultrapure water			
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor			
DimensionLxWxH	410x220x420 mm			
Weight	20 kg			
Standard configuration	Main body (Including 1 set of cartridges)+ accessory bag			
Power Consumption (W)	72 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. **AC:active carbon, DI:ion exchange, UV:ultraviolet, UF:ultrafiltration, TF:terminal microfiltration. ***Value of number will be influenced by feed water quality. ****The output will decrease with terminal filter or UF cartridge.			
Deionized water quality				
Resistivity	>5 MΩ.cm			
Particle(>0.2μm)	<1/ml			
Ultrapure Water Quality				
TOC***	<10 ppb		<3 ppb	
Heavy metal ion	<0.1 ppb			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
Rnases	-	<0.01 ng/ml	-	<0.01 ng/ml
Dnases	-	<4pg/μl	-	<4pg/μl


BBPS-201


BBPS-202


BBPS-203


BBPS-204

500 BASIC WATER PURIFICATION SYSTEM

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.

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.

SPECIFICATIONS

Model	BBPS-501	BBPS-502	BBPS-503	BBPS-504
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 Kgf/cm²	1.0-4.0Kgf/cm²	1.0-4.0 Kgf/cm²	
Flow Procedure**	PF+AC+RO+DI+TF	PF+AC+RO+DI+UF+TF	PF+AC+RO+UV+DI+TF	PF+AC+RO+UV+DI+UF+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)****	15 L/hrs			
Pure water outlet	RO water and Ultrapure water			
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor			
DimensionLxWxH	410x220x420 mm			
Weight	20 kg			
Standard configuration	Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag			
Power Consumption (W)	48 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.			
Deionized water quality				
Particle(>0.2μm)	<1/ml			
Ultrapure Water Quality				
Resistivity(25°C)	18.2 MΩ.cm			
Heavy Metal Ion	-	-	-	-
TOC***	<10 ppb		<3 ppb	
Heavy metal ion	<0.1 ppb			
Flow rate	2.0 L/min (with pressure tank)			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
Rnases	-	<0.01 ng/ml	-	<0.01 ng/ml
Dnases	-	<4pg/μl	-	<4pg/μl


BBPS-501


BBPS-502


BBPS-503


BBPS-504

BBPS-505 BASIC 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	BBPS-505
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 Kgf/cm²
Flow Procedure**	PF+AC+RO+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)****	30 L/hrs
Pure water outlet	RO water and Ultrapure water
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor
DimensionLxWxH	410x220x420 mm
Weight	20 kg
Standard configuration	Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag
Power Consumption (W)	72 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.
Deionized water quality	
Particle(>0.2μm)	<1/ml
Ultrapure Water Quality	
Resistivity(25°C)	18.2 MΩ.cm

Heavy Metal Ion	-
TOC***	<10 ppb
Heavy metal ion	<0.1 ppb
Flow rate	2.0 L/min (with pressure tank)

400 BASIC WATER PURIFICATION SYSTEM

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.

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.

SPECIFICATIONS

Model	BBPS-401	BBPS-402	BBPS-403	BBPS-404
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 Kgf/cm²			
Flow Procedure**	PF+AC+RO+DI	PF+AC+RO+DI+UV+TF	PF+AC+RO+DI	PF+AC+RO+DI+UV+TF

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)****	15 L/hrs		30 L/hrs	
Pure water outlet	RO and deionized water			
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor			
DimensionLxWxH	410x220x420 mm			
Weight	20 kg			
Standard configuration	Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag			
Power Consumption (W)	48 W		72 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, TF:terminal microfiltration. ***All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.			
Deionized water quality				
Resistivity	>15-18.2 MΩ.cm			
Conductivity	0.055-0.067μs/cm			
Particle(>0.2μm)	<1/ml	-	<1/ml	-
Ultrapure Water Quality				
Flow rate	2.0 L/min (with pressure tank)			
Bacteria	-	<0.1 cfu/ml	-	<0.1 cfu/ml


BBPS-401


BBPS-402


BBPS-403


BBPS-404

BBPS-506 BASIC 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	BBPS-506
Feed Water Requirements*	
Water Inlet	Tap water: TDS<200 ppm (Extra pretreatment filter is recommended, if TDS>200 ppm)
Temperature	5-45°C
Pressure	1.0-4.0Kgf/cm²
Flow Procedure**	PF+AC+RO+DI+UF+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)****	30 L/hrs
Pure water outlet	RO water and Ultrapure water
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor
DimensionLxWxH	410x220x420 mm
Weight	20 kg
Standard configuration	Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag
Power Consumption (W)	72 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
TOC***	<10 ppb
Endotoxin	<0.001 EU/ml

Rnases	<0.01 ng/ml
Dnases	<4pg/μl
Heavy metal ion	<0.1 ppb
Flow rate	2.0 L/min (with pressure tank)

500 BASIC 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	BBPS-507	BBPS-508
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 Kgf/cm²	
Flow Procedure**	PF+AC+RO+UV+DI+TF	PF+AC+RO+UV+DI+UF+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)****	30 L/hrs	
Pure water outlet	RO water and Ultrapure water	
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor	
DimensionLxWxH	410x220x420 mm	
Weight	20 kg	
Standard configuration	Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag	
Power Consumption (W)	72 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	
TOC***	<3 ppb	
Heavy metal ion	<0.1 ppb	
Flow rate	2.0 L/min (with pressure tank)	
Endotoxin	-	<0.001 EU/ml
Rnases	-	<0.01 ng/ml
Dnases	-	<4pg/μl

BBPS-507

BBPS-508

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