

# DEIONIZED WATER PURIFICATION SYSTEM



# DEIONIZED WATER PURIFICATION SYSTEM

It provides a variety of applications from residential to scientific and industrial settings. It completely meets the requirements of general chemical or biological experiments for pure water. Deionized water system is an ideal choice of deionized water for grade experiments.

## WPS11 BASIC DEIONIZED WATER 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	WPS11-015	WPS11-015T	WPS11-030	WPS11-030T
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**	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	410x400x420 mm
Weight	15 kg	20 kg	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	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	<p>*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.</p> <p>*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.</p>			
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)			



WPS11-015



WPS11-015T



WPS11-030



WPS11-030T

# WPS11-045 BASIC DEIONIZED WATER 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	WPS11-045
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**	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)****	45 L/hrs
Pure water outlet	RO and deionized water
DimensionLxWxH	410x320x420 mm
Weight	15 kg
Standard configuration	Main body (Including 1 set of cartridges) + TDS pen+ 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, 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.</p>
Deionized water quality	
Resistivity	>13-17.5MΩ.cm
Conductivity	0.057-0.077μs/cm
Particle(>0.2μm)	<1/ml

# WPS12 DEIONIZED WATER 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	WPS12-015	WPS12-015UT	WPS12-030	WPS12-030UT
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**	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



WPS12-015



WPS12-015UT



WPS12-030



WPS12-030UT

# WPS13 MEDIUM DEIONIZED WATER 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	WPS13-045	WPS13-063	WPS13-094	WPS13-125
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>200ppm)	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+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)****	45 L/hr	63 L/hr	94 L/hr	125 L/hr
Pure water outlet	RO water and Deionized water			
DimensionLxWxH	640x540x1110 mm			
Weight	70 kg			
Standard configuration	Main body (Including 1 set of cartridges)+ 2 built-in15 liters tank +accessory bag			
Power Consumption (W)	120 W		240 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, 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	> 10-18.2 MΩ.cm			
Conductivity	0.055-0.1μs/cm			
Particle(>0.2μm)	<1/ml			-



WPS13-045



WPS13-063



WPS13-094



WPS13-125

# WPS14 DEIONIZED WATER 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	WPS14-015	WPS14-015UT	WPS14-030
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**	PF+KDF+AC+RO+AC+DI	PF+KDF+AC+RO+AC+DI+UV+TF	PF+KDF+AC+RO+AC+DI
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/hr		30 L/hr
Pure water outlet	RO water and Deionized water		
DimensionLxWxH	500x360x540 mm		
Weight	22 kg		
Standard configuration	Main body (Including 1 set of cartridges)+15 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, 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.</p>		
Deionized water quality			
Resistivity	>16-18.2 MΩ.cm		
Conductivity	-		
Particle(>0.2μm)	<1/ml	-	<1/ml
Ultrapure Water Quality			
Heavy metal ion	<0.1 ppb		
Flow rate	2.0 L/min (with pressure tank)		
Bacteria	-	<0.1 cfu/ml	-



WPS14-015



WPS14-015UT



WPS14-030

# WPS14-030UT DEIONIZED WATER 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	WPS14-030UT
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**	PF+KDF+AC+RO+AC+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%
Bacteria	<0.1 cfu/ml
Output(25°C)****	30 L/hr
Pure water outlet	RO water and Deionized water

DimensionLxWxH	500x360x540 mm
Weight	22 kg
Standard configuration	Main body (Including 1 set of cartridges)+ 15 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, 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	>16-18.2 MΩ.cm
Conductivity	-
Particle(>0.2μm)	<1/ml
Ultrapure Water Quality	
Heavy metal ion	<0.1 ppb
Flow rate	2.0 L/min (with pressure tank)

# WPS13-250 MEDIUM DEIONIZED WATER 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	WPS13-250
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**	PF+AC+RO+RO+AC+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)****	250 L/hr
Pure water outlet	RO and Deionized water

DimensionLxWxH	760x550x1210 mm
Weight	85 kg
Standard configuration	Main body (Including 1 set of cartridges) + accessory bag
Power Consumption (W)	480 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, AC:active carbon, RO:reverse osmosis, DI:ion exchange,</p> <p>***Value of number will be influenced by temperature and feed water quality. ****All the specifications are tested under the situation:feed waters TDS=200ppm, 25°C, 50psi and 15% recovery rate.</p>
Deionized water quality	
Resistivity	> 10-18.2 MΩ.cm
Conductivity	-
Particle(>0.2μm)	<1/ml
Ultrapure Water Quality	
Heavy metal ion	<0.1 ppb

# WPS15-010 DEIONIZED WATER 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	WPS15-010
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%

## WPS15-010UT DEIONIZED WATER 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	WPS15-010UT
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%

## WPS16-060 LARGE CAPACITY DEIONIZED WATER 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	WPS16-060
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)	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 waterx4%

## WPS16-090 LARGE CAPACITY DEIONIZED WATER 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	WPS16-090
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%

# ***Centrifugen***

**Centrifugen**

82 Wendell Avenue, STE 100, Pittsfield, MA, 01201, USA  
Email: [info@centrifugen.com](mailto:info@centrifugen.com) | Website: [centrifugen.com](http://centrifugen.com)