

**ULTRAPURE WATER
PURIFICATION SYSTEM**



ULTRAPURE WATER PURIFICATION SYSTEM

These laboratory multi purpose Medical Centrifuges are ideal solution for high-end research experiment such as PRP/PPP, cell washing, HCT, blood type test etc. in the biology, radio-immunity, medical and other research fields. These versatile centrifuges have precise temperature control with highly efficient double loop control design which allows fast heating and cooling.

WU11 SERIES ULTRAPURE 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) μ m double layer PES terminal disinfection filter, assure the quality absolutely axenic.

SPECIFICATIONS

Model	WU111	WU112	WU113	WU114
Name	Standard Ultrapure Water System	Eliminating endotoxin Ultrapure Water System	Low TOC Ultrapure Water System	Synthesizing Ultrapure Water System
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	410×220×420 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.			
Resistivity	>5 M Ω .cm			
Particle(>0.2 μ m)	<1/ml			
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	-	<4 pg/ μ l	-	<4 pg/ μ l

WU12 SERIES ULTRAPURE 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	WU121	WU122	WU123	WU124
Name	Standard Ultrapure Water System	Eliminating endotoxin Ultrapure Water System	Low TOC Ultrapure Water System	Synthesizing Ultrapure Water System
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/cm ²	1.0-4.0Kgf/cm ²	1.0-4.0 Kgf/cm ²	
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	410×220×420 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.			
Particle(>0.2µm)	<1/ml			
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	-	<4 pg/µl	-	<4 pg/µl

WU13 SERIES ULTRAPURE 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	WU131	WU132	WU133	WU134
Name	Standard Ultrapure Water System	Eliminating endotoxin Ultrapure Water System	Low TOC Ultrapure Water System	Synthesizing Ultrapure Water System
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/cm ²	1.0-4.0Kgf/cm ²	1.0-4.0 Kgf/cm ²	
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)****	30 L/hrs			
Pure water outlet	RO water and Ultrapure water			
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor			
DimensionLxWxH	410×220×420 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.			
Particle(>0.2µm)	<1/ml	-	-	-
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	-	<4 pg/µl	-	<4 pg/µl

WU21 SERIES ULTRAPURE 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.
- 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	WU211	WU212	WU213	WU214
Name	Standard Medium Ultrapure Water System	Eliminating Medium endotoxin Ultrapure Water System	Low TOC Medium Ultrapure Water System	Synthesizing Medium Ultrapure Water System
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/cm ²			
Flow Procedure**	PF+AC+RO+AC+DI+TF	PF+AC+RO+AC+DI+UF+TF	PF+AC+RO+AC+UV+DI+TF	PF+AC+RO+AC+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)****	45 L/hr	63 L/hr	94 L/hr	125 L/hr
Pure water outlet	RO water and Ultrapure water			
DimensionLxWxH	640×540×1110 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			
Power Supply	AC110-220 V, 50/60 Hz			
Note	*The feed water quality will influence the pure waters 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 waters TDS=200ppm, 25°C, 50psi and 15% recovery rate.			
Resistivity(25°C)	18.2 MΩ.cm			
Heavy Metal Ion	<0.1 ppb			
TOC***	<10 ppb		<3 ppb	
Particle (>0.2µm)	<1/ml			
Water Quality Monitor	-			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
Rnases	-	<0.01 ng/ml	-	<0.01 ng/ml
Dnases	-	<4 pg/µl	-	<4 pg/µl

WU22 SERIES ULTRAPURE 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.
- 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	WU221	WU222	WU223	WU224
Name	Standard Medium Ultrapure Water System	Eliminating Medium endotoxin Ultrapure Water System	Low TOC Medium Ultrapure Water System	Synthesizing Medium Ultrapure Water System
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/cm ²			
Flow Procedure**	PF+AC+RO+AC+DI+TF	PF+AC+RO+AC+DI+UF+TF	PF+AC+RO+AC+UV+DI+TF	PF+AC+RO+AC+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)****	45 L/hr	63 L/hr	94 L/hr	125 L/hr
Pure water outlet	RO water and Ultrapure water			
DimensionLxWxH	640×540×1110 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			
Power Supply	AC110-220 V, 50/60 Hz			
Note	*The feed water quality will influence the pure waters 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 waters TDS=200ppm, 25°C, 50psi and 15% recovery rate.			
Resistivity(25°C)	18.2 MΩ.cm			
Heavy Metal Ion	<0.1 ppb			
TOC***	<10 ppb		<3 ppb	
Particle (>0.2µm)	<1/ml			
Water Quality Monitor	-			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
Rnases	-	<0.01 ng/ml	-	<0.01 ng/ml
Dnases	-	<4 pg/µl	-	<4 pg/µl

WU23 SERIES ULTRAPURE 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.
- 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	WU231	WU232	WU233	WU234
Name	Standard Medium Ultrapure Water System	Eliminating Medium endotoxin Ultrapure Water System	Low TOC Medium Ultrapure Water System	Synthesizing Medium Ultrapure Water System
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/cm ²			
Flow Procedure**	PF+AC+RO+AC+DI+TF	PF+AC+RO+AC+DI+UF+TF	PF+AC+RO+AC+UV+DI+TF	PF+AC+RO+AC+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)****	45 L/hr	63 L/hr	94 L/hr	125 L/hr
Pure water outlet	RO water and Ultrapure water			
DimensionLxWxH	640×540×1110 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			
Power Supply	AC110-220 V, 50/60 Hz			
Note	*The feed water quality will influence the pure waters 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 waters TDS=200ppm, 25°C, 50psi and 15% recovery rate.			
Resistivity(25°C)	18.2 MΩ.cm			
Heavy Metal Ion	<0.1 ppb			
TOC***	<10 ppb		<3 ppb	
Particle (>0.2µm)	<1/ml			
Water Quality Monitor	-			
Particle(>0.2µm)	-			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
Rnases	-	<0.01 ng/ml	-	<0.01 ng/ml
Dnases	-	<4 pg/µl	-	<4 pg/µl

WU24 SERIES ULTRAPURE 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.
- 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	WU241	WU242	WU243	WU244
Name	Standard Medium Ultrapure Water System	Eliminating Medium endotoxin Ultrapure Water System	Low TOC Medium Ultrapure Water System	Synthesizing Medium Ultrapure Water System
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/cm ²			
Flow Procedure**	PF+AC+RO+AC+DI+TF	PF+AC+RO+AC+DI+UF+TF	PF+AC+RO+AC+UV+DI+TF	PF+AC+RO+AC+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)****	45 L/hr	63 L/hr	94 L/hr	125 L/hr
Pure water outlet	RO water and Ultrapure water			
DimensionLxWxH	640×540×1110 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			
Power Supply	AC110-220 V, 50/60 Hz			
Note	*The feed water quality will influence the pure waters 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 waters TDS=200ppm, 25°C, 50psi and 15% recovery rate.			
Particle(>0.2µm)	<1/ml			
Resistivity(25°C)	18.2 MΩ.cm			
Heavy Metal Ion	<0.1 ppb			
TOC***	<10 ppb		<3 ppb	
Particle (>0.2µm)	<1/ml			
Water Quality Monitor	-			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
Rnases	-	<0.01 ng/ml	-	<0.01 ng/ml
Dnases	-	<4 pg/µl	-	<4 pg/µl

WU25 SERIES MEDIUM ULTRAPURE 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	WU251
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/cm ²
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, Deionized and Ultrapure water
Water Quality Monitor	-
DimensionLxWxH	760×550×1210 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	*The feed water quality will influence the pure waters quality and cartridges life-span. **PF:polypropylene spun fiber, AC:active carbon, RO:reverse osmosis, DI:ion exchange, ***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.
Resistivity(25°C)	18.2 MΩ.cm
Heavy Metal Ion	<0.1 ppb
TOC***	<10 ppb (with UV module<3 ppb)
Particle (>0.2µm)	<1/ml (with terminal filter)
Endotoxin	<0.001 EU/ml (with UF module)
Rnases	<0.01 ng/ml (with UF module)
Dnases	<4 pg/µl (with UF module)

WU31 SERIES ULTRAPURE 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	WU311	WU312	WU313	WU314
Name	Standard Ultrapure Water System	Eliminating endotoxin Ultrapure Water System	Low TOC Ultrapure Water System	Synthesizing Ultrapure Water System
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/cm ²			
Flow Procedure**	PF+KDF+AC+RO+DI+TF	PF+KDF+AC+RO+DI+UF+TF	PF+KDF+AC+RO+UV+DI+TF	PF+KDF+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/hr			
Pure water outlet	RO water and Ultrapure water			
DimensionLxWxH	500×360×540 mm			
Weight	25 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, 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.			
Resistivity(25°C)	18.2 MΩ.cm			
Heavy Metal Ion	<0.1 ppb			
TOC***	<10 ppb		<3 ppb	
Particle (>0.2µm)	<1/ml			
Flow rate	2.0 L/min (with pressure tank)			
Water Quality Monitor	-			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
Rnases	-	<0.01 ng/ml	-	<0.01 ng/ml
Dnases	-	<4 pg/µl	-	<4 pg/µl

WU32 SERIES ULTRAPURE 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	WU321	WU322	WU323	WU324
Name	Standard Ultrapure Water System	Eliminating endotoxin Ultrapure Water System	Low TOC Ultrapure Water System	Synthesizing Ultrapure Water System
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 ²			
Flow Procedure**	PF+KDF+AC+RO+DI+TF	PF+KDF+AC+RO+DI+UF+TF	PF+KDF+AC+RO+UV+DI+TF	PF+KDF+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/hr			
Pure water outlet	RO water and Ultrapure water			
DimensionLxWxH	500×360×540 mm			
Weight	25 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, 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.			
Resistivity(25°C)	18.2 MΩ.cm			
Heavy Metal Ion	<0.1 ppb			
TOC***	<10 ppb		<3 ppb	
Particle (>0.2μm)	<1/ml			
Flow rate	2.0 L/min (with pressure tank)			
Water Quality Monitor	-			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
Rnases	-	<0.01 ng/ml	-	<0.01 ng/ml
Dnases	-	<4 pg/μl	-	<4 pg/μl

WU33 SERIES ULTRAPURE 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	WU331	WU332	WU333	WU334
Name	Standard Ultrapure Water System	Eliminating endotoxin Ultrapure Water System	Low TOC Ultrapure Water System	Synthesizing Ultrapure Water System
Water Inlet	RO water, Distilled water, Deionized water			
Temperature	5-45°C			
Pressure	1 atm*			
Flow Procedure**	AC+DI+TF	AC+DI+UF+TF	UV+AC+DI+TF	UV+AC+DI+UF+TF
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			
DimensionLxWxH	500×360×540 mm			
Weight	20 kg			
Standard configuration	Main body (Including 1 set of cartridges)+ 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. ** 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.			
Resistivity	>5 MΩ.cm			
Resistivity(25°C)	18.2 MΩ.cm			
Heavy Metal Ion	<0.1 ppb			
TOC***	<10 ppb		<3 ppb	
Particle (>0.2µm)	<1/ml			
Water Quality Monitor	-			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
Rnases	-	<0.01 ng/ml	-	<0.01 ng/ml
Dnases	-	<4 pg/µl	-	<4 pg/µl

WU41 SERIES ULTRAPURE 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	WU411	WU412	WU413	WU414
Name	Standard Ultrapure Water System	Eliminating endotoxin Ultrapure Water System	Low TOC Ultrapure Water System	Synthesizing Ultrapure Water System
Water Inlet	Tap water			
Temperature	5-45°C			
Pressure	1.0-4.0 Kg/cm ²			
Bacteria	<0.1 cfu/ml			
Dimension LxWxH	545×470×610 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.			
Heavy Metal Ion	<0.1 ppb			
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	1-5 µs/cm*			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml

RNases	-	<0.01 ng/ml	-	<0.01 ng/ml
DNases	-	<4 pg/μl	-	<4 pg/μl

WU42 SERIES ULTRAPURE 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	WU421	WU422	WU423	WU424
Name	Standard Ultrapure Water System	Eliminating endotoxin Ultrapure Water System	Low TOC Ultrapure Water System	Synthesizing Ultrapure Water System
Water Inlet	Tap water			
Temperature	5-45°C			
Pressure	1.0-4.0 Kg/cm ²			
Bacteria	<0.1 cfu/ml			
Dimension LxWxH	545×470×610 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.			
Heavy Metal Ion	<0.1 ppb			
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	1-5 µs/cm*			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
RNases	-	<0.01 ng/ml	-	<0.01 ng/ml
DNases	-	<4 pg/µl	-	<4 pg/µl

WU43 SERIES ULTRAPURE 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 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	WU431	WU432	WU433	WU434
Name	Standard Ultrapure Water System	Eliminating endotoxin Ultrapure Water System	Low TOC Ultrapure Water System	Synthesizing Ultrapure Water System
Water Inlet	Distilled water, Deionized water or reverse osmosis water			
Temperature	5-45°C			
Pressure	1 atm			
Bacteria	<0.1 cfu/ml			
Dimension LxWxH	545×470×610 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			
Heavy Metal Ion	<0.1 ppb			
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			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
RNases	-	<0.01 ng/ml	-	<0.01 ng/ml
DNases	-	<4 pg/μl	-	<4 pg/μl

WU51 SERIES ULTRAPURE 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 desalination 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	WU511	WU512	WU513	WU514
Name	Standard Ultrapure Water System	Eliminating endotoxin Ultrapure Water System	Low TOC Ultrapure Water System	Synthesizing Ultrapure Water System
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 Kgf/cm ²			
Bacteria	<0.1 cfu/ml			
Output(25°C)****	10 L/hrs			
Pure water outlet	2:Electro Deionization water, ultrapure water			
DimensionLxWxH	500×360×540 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°C, 50psi and 15% recovery rate.			
Heavy Metal Ion	<0.1 ppb			
TOC***	<30 ppb			
Resistivity (25°C)	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+E DI+DI+UF+TF	PF+KDF+AC+RO+S F+EDI+UV+DI+TF	PF+KDF+AC+RO+SF+EDI+UV+DI+UF+T F
Resistivity***	>5 MΩ.cm			

Silicon rejection rate	>99.9%			
Water Quality Monitor	-			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
RNases	-	<0.01 ng/ml	-	0.01 ng/ml
DNases	-	<4 pg/μl	-	<4 pg/μl
Flow Procedure**	-	-	-	-

WU61 SERIES ULTRAPURE 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	WU611	WU612	WU613	WU614
Name	Standard Ultrapure Water System	Eliminating endotoxin Ultrapure Water System	Low TOC Ultrapure Water System	Synthesizing Ultrapure Water System
Water Inlet	Tap water			
Temperature	5-45°C			
Pressure	1.0-4.0 Kgf/cm ²		1.0-4.0Kgf/cm ²	1.0-4.0 Kgf/cm ²
Bacteria	<0.1 cfu/ml			
DimensionLxWxH	570×600×1500 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.			
Heavy Metal Ion	<0.1 ppb			
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 water×4%			
Endotoxin	-	<0.001 EU/ml	-	<0.001 EU/ml
RNases	-	<0.01 ng/ml	-	<0.01 ng/ml
DNases	-	<4 pg/µl	-	<4 pg/µl

WU62 SERIES ULTRAPURE 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.



SPECIFICATIONS

Model	WU621	WU622	WU623	WU624
Name	Standard Ultrapure Water System	Eliminating endotoxin Ultrapure Water System	Low TOC Ultrapure Water System	Synthesizing Ultrapure Water System
Water Inlet	Tap water			
Temperature	5-45°C			
Pressure	1.0-4.0 Kgf/cm ²		1.0-4.0Kgf/cm ²	1.0-4.0 Kgf/cm ²
Bacteria	<0.1 cfu/ml			
Dimension LxWxH	570×600×1500 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.			
Heavy Metal Ion	<0.1 ppb			
Endotoxin	<0.001 EU/ml			
RNases	<0.01 ng/ml			
DNases	<4 pg/µl			
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 water×4%	

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