



THE 2018  
VERSION

# LABORATORY PURE WATER SYSTEM

ONE-STOP PURCHASING SERVICE PLATFORM

For IVD diagnostic products, medical consumables and laboratory equipments

MEDMAY BIOTECHNOLOGY GROUP

**MEDMAY**

WE HOPE WE CAN DO MORE FOR YOU

Create Value for Customers



Medmay Biotech Group is a global comprehensive innovative enterprise focusing on R&D, production and trade of clinical in-vitro diagnostic products, medical consumables and general laboratory equipments. The head office is in Suzhou, China.

Through years' cultivation in clinical in-vitro diagnostic field, Medmay has gradually developed an unique corporate culture---"Pursuit of Excellence". Till now, Products created from Medmay have won long-term supports from thousands of customers in more than 100 countries around the world. In recent years, Medmay has already set foot into the field of medical consumables and general laboratory equipments. Constantly upholding the spirit of "Pursuit of Excellence", Medmay cooperates in depth with hundreds of high grade manufacturers by carefully screening, and has already launched series of high-quality products to meet with any demands from customers continuously. At the time bringing increases of efficiency, quality and service to customers, Medmay has also achieved rapid development. Medmay aim to create value for world's customers in all focused fields, and prove to be a long-term worth trusting cooperative partner.

# + DESK TYPE PURE WATER MACHINE

be small in size, beautiful in appearance and occupies less land, and necessary equipment in basic laboratory.



## MPUR-B SERIES PURE WATER SYSTEM

With LED controlling system, single stage RO system, 1 pump, Portable TDS/conductivity test pen, and built-in 12 liters tank (MPUR002/004), MPUR-B series deionized water system is basic choice of deionized water for general grade experiments. And MPUR002/004 is added built-in 12 liters tank on the basis of MPUR-B series.

With tap water inlet, its output ranges from 15 to 45 liters/hour. It can produce single stage RO water and deionized water. The single stage RO water's ion rejection rate is more than 96%, and the deionized water's resistivity is more than 13MΩ.cm, near to 17.5MΩ.cm. It completely meets the requirements of general chemical or biological experiments for pure water. And it is perfect upgraded replacement for water distiller.

### SPECIFICATION

Model	MPUR001/002	MPUR003/004	MPUR005
Output (25°C)	15 Liters/hour	30 Liters/hour	45 Liters/hour
Pure water outlet	2: reverse osmosis water, deionized water		
Deionized water quality			
Resistivity (25°C)	13~17.5MΩ.cm		
Bacteria	<0.1 cfu/ml		
RO water quality			
Ion rejection rate	96%~99% (new RO membrane)		
Organic rejection rate	99%, when >200 Dalton		
Particles and bacteria rejection rate	>99%		
Feed water requirements	Tap water, temperature: 5~45°C		
Dimension and weight (L×W×H)	Q15, Q30 series: 410×320×420mm/15Kg; Q15-IT, Q30-IT, Q45 series: 410×400×420mm/20Kg		
Electrical requirements	AC 100~240V, 50/60Hz		
Power	Q15, Q30 series: 72W; Q45 series: 120W		

## MPUR-EQ SERIES

PURE WATER SYSTEM

With LCD controlling system, 2 way water quality sensor, timing and quality dispensing, single stage RO system, 1 pump, and built-in 12 liters tank, MPUR-EQ series deionized water system is economic choice of deionized water for general grade experiments.

With tap water inlet, its output ranges from 15 to 30 liters/hour. It can produce single stage RO water and deionized water. The single stage RO water's ion rejection rate is more than 96%, and the deionized water's resistivity is more than 16MΩ.cm, near to 18.2MΩ.cm. It completely meets the requirements of general chemical or biological experiments for pure water.



SPECIFICATION				
Model	MPUR006	MPUR007	MPUR008	MPUR009
Output (25°C)	15 Liters/hour		30 Liters/hour	
Pure water outlet	2: reverse osmosis water, deionized water			
Deionized water quality				
Resistivity (25°C)	16~18.2MΩ.cm			
Bacteria	N/A	<0.1 cfu/ml	N/A	<0.1 cfu/ml
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Organic rejection rate	99%, when MW>200 Dalton			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	340×500×560mm; 18Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	72W			



## MPUR-ES SERIES

PURE WATER SYSTEM

With LCD controlling system, 2 way water quality sensor, timing and quality dispensing, single stage RO system, 1 pump, and built-in 12 liters tank, MPUR-ES series ultrapure water system is economic choice of ultrapure water for high grade experiments.

With tap water inlet, its output ranges from 15 to 30 liters/hour. It can produce single stage RO water and ultrapure water. The single stage RO water's ion rejection rate is more than 96%, and the ultrapure water's resistivity absolutely reaches to 18.2MΩ.cm. It completely meets the highest grade I standard of ASTM, CAP, CLSI, EP and USP.

SPECIFICATION				
Model:	Standard	Eliminating endotoxin	Low TOC	Synthesizing
	MPUR01015	MPUR01115	MPUR01215	MPUR01315
	MPUR01430	MPUR01530	MPUR01630	MPUR01730
Output (25°C)	15 series-15 Liters/hour, 30 series-30 Liters/hour			
Pure water outlet	2: reverse osmosis water, ultrapure water			
Ultrapure water quality				
Resistivity (25°C)	18.2MΩ.cm			
TOC	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1 cfu/ml			
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Organic rejection rate	99%, when MW>200 Dalton			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	340×500×560mm; 18Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	72W			

## MPUR-MTQ SERIES

### PURE WATER SYSTEM

With 5.0 inch touch screen system, 3 way water quality sensor, 2 way flow sensor for quantified dispensing, single stage RO system and 1 pump, MPUR-MTQ series deionized water system is superior choice of deionized water for general grade experiments.

With tap water inlet, its output ranges from 15 to 30 liters/hour. It can produce single stage RO water and deionized water. The single stage RO water's ion rejection rate is more than 96%, and the deionized water's resistivity is more than 16MΩ.cm, near to 18.2MΩ.cm. It completely meets the requirements of general chemical or biological experiments for pure water.

SPECIFICATION				
Model	MPUR018	MPUR019	MPUR020	MPUR021
Output (25°C)	15 Liters/hour		30 Liters/hour	
Pure water outlet	2: reverse osmosis water, deionized water			
Deionized water quality				
Resistivity (25°C)	16~18.2MΩ.cm			
Bacteria	N/A	<0.1 cfu/ml	N/A	<0.1 cfu/ml
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Organic rejection rate	>99%, when MW>200 Dalton			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	500×360×540mm; 20Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	120W			



## MPUR-MTS SERIES

### PURE WATER SYSTEM

With 5.0 inch touch screen system, 3 way water quality sensor, 2 way flow sensor for quantified dispensing, single stage RO system and 2 pumps, MPUR-MTS series ultrapure water system is superior choice of ultrapure water for high grade experiments.

With tap water inlet, its output ranges from 15 to 30 liters/hour. It can produce single stage RO water and ultrapure water. The single stage RO water's ion rejection rate is more than 96%, and the ultrapure water's resistivity absolutely reaches to 18.2MΩ.cm. It completely meets the highest grade I standard of ASTM, CAP, CLSI, EP and USP.

SPECIFICATION				
	Standard	Eliminating endotoxin	Low TOC	Synthesizing
Model	MPUR02215	MPUR02315	MPUR02415	MPUR02515
	MPUR02630	MPUR02730	MPUR02830	MPUR02930
Output (25°C)	15 series-15 Liters/hour, 30 series-30 Liters/hour			
Pure water outlet	2: reverse osmosis water, ultrapure water			
Ultrapure water quality				
Resistivity (25°C)	18.2MΩ.cm			
TOC	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1 cfu/ml			
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Organic rejection rate	99%, when MW>200 Dalton			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	500×360×540mm; 20Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	120W			

## MPUR-MTD SERIES

### PURE WATER SYSTEM

With 5.0 inch touch screen system, 3 way water quality sensor, 2 way flow sensor for quantified dispensing and 1 pump, MPUR-MTD series ultrapure water system is superior choice of ultrapure water for high grade experiments.

With pure water or distilled water inlet, its output is up to 2 liters/minute. It can produce deionized water and ultrapure water. The deionized water's resistivity is above 5MΩ.cm, and the ultrapure water's resistivity absolutely reaches to 18.2MΩ.cm. It completely meets the highest grade 1 standard of ASTM, CAP, CLSI, EP and USP.

SPECIFICATION				
Model:	Standard	Eliminating endotoxin	Low TOC	Synthesizing
	MPUR030	MPUR031	MPUR032	MPUR033
Output (25°C)	Up to 2 Liters/hour (less output with UF cartridge)			
Pure water outlet	2: deionized water, ultrapure water			
Ultrapure water quality				
Resistivity (25°C)	18.2MΩ.cm			
TOC	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1 cfu/ml			
Deionized water quality				
Resistivity (25°C)	>5MΩ.cm			
Feed water requirements	RO water, distilled water, deionized water, temperature: 5~45°C			
Dimension and weight (L×W×H)	500×360×540mm; 18Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	120W			



## MPUR-MQ SERIES

### PURE WATER SYSTEM

With LCD controlling system, 3 way water quality sensor, timing and quality dispensing, single stage RO system and 1 pump, MPUR-MQ series deionized water system is superior choice of deionized water for general grade experiments.

With tap water inlet, its output ranges from 15 to 30 liters/hour. It can produce single stage RO water and deionized water. The single stage RO water's ion rejection rate is more than 96%, and the deionized water's resistivity is more than 16MΩ.cm, near to 18.2MΩ.cm. It completely meets the requirements of general chemical or biological experiments for pure water.



SPECIFICATION				
Model	MPUR034	MPUR035	MPUR036	MPUR037
Output (25°C)	15 Liters/hour		30 Liters/hour	
Pure water outlet	2: reverse osmosis water, deionized water			
Deionized water quality				
Resistivity (25°C)	16~18.2MΩ.cm			
Bacteria	N/A	<0.1 cfu/ml	N/A	<0.1 cfu/ml
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Organic rejection rate	>99%, when MW>200 Dalton			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	500×360×540mm; 20Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	120W			

## MPUR-MS SERIES

### PURE WATER SYSTEM

With LCD controlling system, 3 way water quality sensor, timing and quality dispensing, single stage RO system and 2 pumps, MPUR-MS series ultrapure water system is superior choice of ultrapure water for high grade experiments.

With tap water inlet, its output ranges from 15 to 30 liters/hour. It can produce single stage RO water and ultrapure water. The single stage RO water's ion rejection rate is more than 96%, and the ultrapure water's resistivity absolutely reaches to 18.2MΩ.cm. It completely meets the highest grade I standard of ASTM, CAP, CLSI, EP and USP.

SPECIFICATION				
Model	Standard	Eliminating endotoxin	Low TOC	Synthesizing
	MPUR03815	MPUR03915	MPUR04015	MPUR04115
	MPUR04230	MPUR04330	MPUR04430	MPUR04530
Output (25°C)	15 series-15 Liters/hour, 30 series-30 Liters/hour			
Pure water outlet	2: reverse osmosis water, ultrapure water			
Ultrapure water quality				
Resistivity (25°C)	18.2MΩ.cm			
TOC	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1 cfu/ml			
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Organic rejection rate	>99%, when MW>200 Dalton			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	500×360×540mm; 20Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	120W			



## MPUR-MD SERIES

### PURE WATER SYSTEM

With LCD controlling system, 3 way water quality sensor, timing and quality dispensing and 1 pump, MPUR-MD series ultrapure water system is superior choice of ultrapure water for high grade experiments.

With pure water or distilled water inlet, its output is up to 2 liters/minute. It can produce deionized water and ultrapure water. The deionized water's resistivity is above 5MΩ.cm, and the ultrapure water's resistivity absolutely reaches to 18.2MΩ.cm. It completely meets the highest grade I standard of ASTM, CAP, CLSI, EP and USP.

SPECIFICATION				
Model	Standard	Eliminating endotoxin	Low TOC	Synthesizing
	MPUR046	MPUR047	MPUR048	MPUR049
Output (25°C)	Up to 2 Liters/hour (less output with UF cartridge)			
Pure water outlet	2: deionized water, ultrapure water			
Ultrapure water quality				
Resistivity (25°C)	18.2MΩ.cm			
TOC	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1 cfu/ml			
Deionized water quality				
Resistivity (25°C)	>5MΩ.cm			
Feed water requirements	RO water, distilled water, deionized water, temperature: 5~45°C			
Dimension and weight (L×W×H)	500×360×540mm; 18Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	120W			

### MPUR-SRO SERIES

PURE WATER SYSTEM

With injection molding process case, single stage RO system, 1 pump, and portable TDS test pen, MPUR-SRO series reverse osmosis water system is economic choice of RO water for general glassware washing.

With tap water inlet, its output ranges from 15 to 30 liters/hour. It can produce single stage RO water. The single stage RO water's ion rejection rate is more than 96% (new RO membrane), organic rejection rate >99% (when MW > 200 Dalton), particles and bacteria rejection rate >99%. It is suitable for glassware washing, feed of ultrapure water system, autoclave sterilizer, constant temperature and humidity chamber, salt spray test chamber, dampening machine and etc.

SPECIFICATION		
Model	MPUR050	MPUR051
Output (25°C)	15 Liters/hour	30 Liters/hour
Pure water outlet	1: reverse osmosis water	
RO water quality		
Ion rejection rate	96%~99% (new RO membrane)	
Organic rejection rate	>99%, when MW > 200 Dalton	
Particles and bacteria rejection rate	>99%	
Feed water requirements	Tap water, temperature: 5~45°C	
Dimension and weight (L×W×H)	410×220×420mm; 16Kg	
Electrical requirements	AC 100~240V, 50/60Hz	
Power	48W	72W



### MPUR-SQ SERIES

PURE WATER SYSTEM

With injection molding process case, single stage RO system, 1 pump, portable TDS test pen and on-line resistivity monitor, MPUR-SQ series deionized water system is sub-economic choice of deionized water for general grade experiments.

With tap water inlet, its output ranges from 15 to 30 liters/hour. It can produce single stage RO water and deionized water. The single stage RO water's ion rejection rate is more than 96%, and the deionized water's resistivity is more than 15MΩ.cm, near to 18.2MΩ.cm. It completely meets the requirements of general chemical or biological experiments for pure water.

SPECIFICATION				
Model	MPUR052	MPUR053	MPUR054	MPUR055
Output (25°C)	15 Liters/hour		30 Liters/hour	
Pure water outlet	2: reverse osmosis water, deionized water			
Deionized water quality				
Resistivity (25°C)	15~18.2MΩ.cm			
Bacteria	N/A	<0.1 cfu/ml	N/A	<0.1 cfu/ml
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Organic rejection rate	>99%, when MW > 200 Dalton			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	410×220×420mm; 18Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	72W			



## MPUR-SS SERIES

### PURE WATER SYSTEM

With injection molding process case, single stage RO system, 1 pump, portable TDS test pen and on-line resistivity monitor, MPUR-SS series ultrapure water system is sub-economic choice of ultrapure water for high grade experiments.

With tap water inlet, its output ranges from 15 to 30 liters/hour. It can produce single stage RO water and ultrapure water. The single stage RO water's ion rejection rate is more than 96%, and the ultrapure water's resistivity absolutely reaches to 18.2MΩ.cm. It completely meets the highest grade I standard of ASTM, CAP, CLSI, EP and USP.

SPECIFICATION				
Model	Standard	Eliminating endotoxin	Low TOC	Synthesizing
	MPUR05615	MPUR05715	MPUR05815	MPUR05915
	MPUR06030	MPUR06130	MPUR06230	MPUR06330
Output (25°C)	15 series-15 Liters/hour, 30 series-30 Liters/hour			
Pure water outlet	2: reverse osmosis water, ultrapure water			
Ultrapure water quality				
Resistivity (25°C)	18.2MΩ.cm			
TOC	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1 cfu/ml			
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Organic rejection rate	>99%, when MW>200 Dalton			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	410×220×420mm; 18Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	72W			



## MPUR-SD SERIES

### PURE WATER SYSTEM

With injection molding process case, 1 pump, portable TDS test pen and on-line resistivity monitor, MPUR-SD series ultrapure water system is sub-economic choice of ultrapure water for high grade experiments.

With pure water or distilled water inlet, its output is up to 2 liters/minute. It can produce deionized water and ultrapure water. The deionized water's resistivity is above 5MΩ.cm, and the ultrapure water's resistivity absolutely reaches to 18.2MΩ.cm. It completely meets the highest grade I standard of ASTM, CAP, CLSI, EP and USP.

SPECIFICATION				
Model	Standard	Eliminating endotoxin	Low TOC	Synthesizing
	MPUR064	MPUR065	MPUR066	MPUR067
Output (25°C)	Up to 2 Liters/hour (less output with UF cartridge)			
Pure water outlet	2: deionized water, ultrapure water			
Ultrapure water quality				
Resistivity (25°C)	18.2MΩ.cm			
TOC	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1 cfu/ml			
Deionized water quality				
Resistivity (25°C)	>5MΩ.cm			
Feed water requirements	RO water, distilled water, deionized water, temperature: 5~45°C			
Dimension and weight (L×W×H)	410×220×420mm; 16Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	72W			

## MPUR-PF SERIES

### PURE WATER SYSTEM

1. Auto back-flushing when power on.
2. Stop-protection for low-pressure warning. Stopping producing water when the tank is full.
3. Detecting water quality of the 2 lines simultaneously online. Detecting the water quality of RO water and ultra-pure water in real time.
4. Warning of no water and full water. The system provides well safety assurances.
5. Different demands for water quality: pure water or ultra-pure water. One system dual use.
6. Various models of storage tanks for different requirements.
7. The system is designed with an emphasis on ergonomics and meets the standards of GLP.
8. All the system pipelines receive NSF certification. Bran-new one-touch fitting, and easier to maintain and change the filter columns.
9. It is made by nuclear grade resin imported with original packaging and designed with sagging flow ultrafiltration.
10. It guarantees the perfect water quality all the time.
11. Detecting the water temperature of the 2 water producing lines online.

SPECIFICATION				
Model	MPUR068	MPUR069	MPUR070	MPUR071
Output (25°C)	10 Liters/hour	20 Liters/hour	30 Liters/hour	40 Liters/hour
Pure water outlet	2: reverse osmosis water, ultrapure water			
Ultrapure water quality				
Resistivity (25°C)	18.2MΩ.cm			
TOC	<10ppb			
Bacteria	<1 cfu/ml			
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	440x480x540mm/35Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	35~45W			



## MPUR-RII SERIES

### PURE WATER SYSTEM

1. Two Road water quality with online simultaneous monitoring, monitoring the quality of RO and ultra pure water real time.
2. Waterless alarm, water full alarm, to make sure the security.
3. Two quality water, a dual-purpose machine.
4. Multi-specification storage bucket to meet different needs.
5. Boxes with ergonomics design, compliance GLP specification.
6. Imported nuclear grade resin, all drooping super purification column design to ensure water quality all the time.
7. Monitoring two ways water temperature online, large screen liquid crystal display.

SPECIFICATION			
Model	MPUR072	MPUR073	MPUR074
Output (25°C)	<10 Liters/hour	<20 Liters/hour	<30 Liters/hour
Pure water outlet	2: reverse osmosis water, ultrapure water		
Ultrapure water quality			
Resistivity (25°C)	>1MΩ.cm		
TOC	<50ppb		
Bacteria	<100 cfu/ml		
RO water quality			
Ion rejection rate	96%~99% (new RO membrane)		
Particles and bacteria rejection rate	>99%		
Feed water requirements	Tap water, temperature: 5~45°C		
Dimension and weight (L×W×H)	380x490x570mm/25Kg		
Electrical requirements	AC 100~240V, 50/60Hz		
Power	30~75W		





## MPUR-LT SERIES

### PURE WATER SYSTEM

1. Cost performance: purification of tap water pass through several groups of different modules, a plurality of modules with fast interface to simple and quick replacement;
2. Easy operation: only need to click the button to get the pure water and ultra pure water, without correction, the microprocessor can control itself;
3. Broader scope: meet the experimental requirements of all kinds of physical and chemical analysis and biological applications, equipped with Hitachi, OLYMPUS, Roche, Beckman, Abbott, Mindray, Roche, Kehua, Rayto, etc. automatic biochemical analyzer of water;
4. Advantages: boot Auto a backlash, pressure alarm and water full automatic shutdown with water; 2 online water quality monitoring; water quality, a dual-purpose machine of various specifications of storage bucket to meet the different needs.
5. Safe and reliable: ABS chassis engineering design, accord with GLP standard; all lines are certified by NSF, provide water without secondary contamination, imported nuclear grade resin, all drooping super purification column design to ensure water quality all the time.

#### SPECIFICATION

Model	MPUR075	MPUR076	MPUR077	MPUR078	MPUR079
Output (25°C)	>10 Liters/hour	>20 Liters/hour	>40 Liters/hour	>80 Liters/hour	>120 Liters/hour
Pure water outlet	2: reverse osmosis water, ultrapure water				
Ultrapure water quality					
Resistivity (25°C)	>0.2MΩ.cm				
TOC	<10ppb				
RO water quality					
Ion rejection rate	≥98% (new RO membrane)				
Feed water requirements	Tap water, temperature: 5~40°C				
Dimension and weight (L×W×H)	340×540×600mm/50Kg	450×400×1170mm/55Kg			640×450×1170mm/55Kg
Electrical requirements	AC 220V, 50 Hz				
Power	60W	80W	120W	200W	240W



## MPUR-LK SERIES

### PURE WATER SYSTEM

- Using urban tap water as raw water, adopting the core purification technology of multi-stage pretreatment and reverse osmosis membrane. Meanwhile, automatically continuous water production greatly satisfies the requirements of laboratory water consumption.
- Real-time online monitoring of water quality on water production.
- It with the upgrade functions of water quality and production water volume.
- The 0.450.1 $\mu$ m terminal capsule type filter is the standard configuration.
- It can produce pure water and super pure water at the same time, press the button to get water.
- Low power systems operation and low noise, suitable for different water sources.
- It has real time on-line monitoring for water-making flow, water pressure, and water quality.
- Power-on self-test, water shortage alarm protection, power failure automatic reset, ultra-high and low voltage protection.
- The anti scale and flushing program of automatic RO membrane, with automatic periodic flushing function, to extend the service life of RO membrane.
- The product is miniaturized integrated, modularization and quick-connected internal design, easily installation and maintenance, small footprint and modern appearance.
- The water quality of the product meets the standards of reagent grade super pure water, ISO03696, USP25 and other pure water standards stipulated by ASTM/NCCLS and American standard association BS3978.

#### SPECIFICATION

Model	MPUR080	MPUR081	MPUR082	MPUR083
Output (25°C)	≥10 Liters/hour	≥20 Liters/hour	≥40 Liters/hour	≥100 Liters/hour
Pure water outlet	2: reverse osmosis water, ultrapure water			
Ultrapure water quality				
Resistivity (25°C)	18.25 M $\Omega$ .cm			
TOC	<5ppb			
Bacteria	<1 cfu/ml			
RO water quality				
Ion rejection rate	≥98% (new RO membrane)			
Feed water requirements	Tap water, temperature: 5~40°C			
Dimension and weight (L×W×H)	460×510×510mm/40Kg	460×500×750mm/45Kg	460×510×510mm/40Kg	
Electrical requirements	AC 220V, 50 Hz			
Power	100W	150W	600W	1500W



**LAMP-254-10W-M**

CONSUMABLES

Service life/Replacement term (About 9000 hours), 254nm wavelength UV lamp



**RO-100GPD**

CONSUMABLES

Service life/Replacement term (About 12-24 months), 100GPD RO membrane



**RO-200GPD**

CONSUMABLES

Service life/Replacement term (About 12-24 months), 200GPD RO membrane



**RO-300GPD**

CONSUMABLES

300GPD reverse osmosis membrane, replacement term: about 12-24 months

# VERTICAL PURE WATER MACHINE



Be exquisite in appearance, flexible in movement and sufficient in water supply, and necessary equipment in medical laboratory.





### MPUR-MERO SERIES

#### PURE WATER SYSTEM

With microcomputer controlling system in LED display, stainless steel shell, built-in 2 set pressure tanks, single stage RO system, 1 pump, portable TDS test pen and on-line conductivity monitor, MPUR-MERO series reverse osmosis water system is economic choice of RO water's mass usage for general glassware washing.

With tap water inlet, its output ranges from 45 to 125 liters/hour. It can produce single stage RO water. The single stage RO water's ion rejection rate is more than 96% (new RO membrane), organic rejection rate >99% (when MW>200 Dalton), particles and bacteria rejection rate >99%. It is suitable for glassware washing, feed of ultrapure water system, autoclave sterilizer, constant temperature and humidity chamber, salt spray test chamber, dampening machine and etc.

SPECIFICATION				
Model	MPUR084	MPUR085	MPUR086	MPUR087
Output (25°C)	45 Liters/hour	63 Liters/hour	94 Liters/hour	125 Liters/hour
Pure water outlet	1: reverse osmosis water			
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Organic rejection rate	>99%, when MW>200 Dalton			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	640×540×1110mm; 60Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	120W		240W	



### MPUR-MEQ SERIES

#### PURE WATER SYSTEM

With LCD controlling system, 3 way water quality sensor, timing and quality dispensing, stainless steel shell, built-in 2 set pressure tanks, single stage RO system and 1 pump, MPUR-MEQ series deionized water system is superior choice of deionized water's mass usage for general grade experiments.

With tap water inlet, its output ranges from 45 to 125 liters/hour. It can produce single stage RO water and deionized water. The single stage RO water's ion rejection rate is more than 96%, and the deionized water's resistivity is more than 10MΩ.cm, near to 18.2MΩ.cm. It completely meets the requirements of general chemical or biological experiments for pure water.

SPECIFICATION				
Model	MPUR088	MPUR089	MPUR090	MPUR091
Output (25°C)	45 Liters/hour	63 Liters/hour	94 Liters/hour	125 Liters/hour
Pure water outlet	2: reverse osmosis water, deionized water			
Deionized water quality				
Resistivity (25°C)	10~18.2MΩ.cm			
Bacteria	<0.1 cfu/ml			
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Organic rejection rate	>99%, when MW>200 Dalton			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	640×540×1110mm; 65Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	120W		240W	

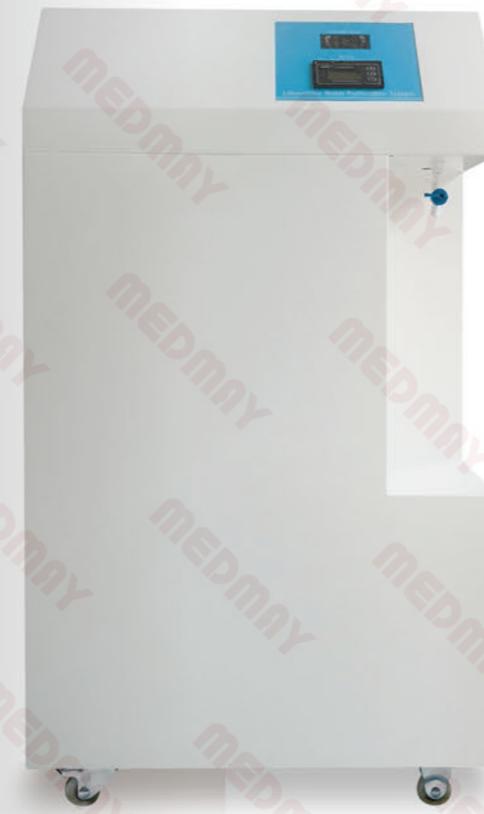
## MPUR-MES SERIES

### PURE WATER SYSTEM

With LCD controlling system, 3 way water quality sensor, timing and quality dispensing, stainless steel shell, built-in 2 set pressure tanks, single stage RO system and 1 pump, MPUR-MES series ultrapure water system is superior choice of ultrapure water's mass usage for high grade experiments.

With tap water inlet, its output ranges from 45 to 125 liters/hour. It can produce single stage RO water and ultrapure water. The single stage RO water's ion rejection rate is more than 96%, and the ultrapure water's resistivity absolutely reaches to 18.2MΩ.cm. It completely meets the highest grade I standard of ASTM, CAP, CLSI, EP and USP.

SPECIFICATION				
	Standard	Eliminating endotoxin	Low TOC	Synthesizing
Model	MPUR 092300 093400 094600 095800	MPUR 096300 097400 098600 099800	MPUR 100300 101400 102600 103800	MPUR 104300 105400 106600 107800
Output (25°C)	300 series-45 Liters/hour, 400 series-63 Liters/hour, 600 series-94 Liters/hour, 800 series-125 Liters/hour			
Pure water outlet	2: reverse osmosis water, ultrapure water			
Ultrapure water quality				
Resistivity (25°C)	18.2MΩ.cm			
TOC	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1 cfu/ml			
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Organic rejection rate	>99%, when MW>200 Dalton			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	640×540×1110mm; 70Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	120W		240W	



## MPUR-MERR SERIES

### PURE WATER SYSTEM

This is 2nd stage RO water system, with LCD controlling system, 3 way water quality sensor, timing and quality dispensing, stainless steel shell, built-in 2 set tanks (buffer tank and pressure tank). Its output ranges from 30 to 90 liters/hour. And the 2nd stage RO water's conductivity can stay 1-5µs/cm, suitable for glassware washing and general grade experiments.

SPECIFICATION				
Model	MPUR108	MPUR109	MPUR110	MPUR111
Output-1 <sup>st</sup> stage RO water	63 Liters/hour	93 Liters/hour	125 Liters/hour	150 Liters/hour
Output-2 <sup>nd</sup> stage RO water	30 Liters/hour	45 Liters/hour	60 Liters/hour	90 Liters/hour
Pure water outlet	2: 1 <sup>st</sup> stage and 2 <sup>nd</sup> reverse osmosis water			
RO water quality				
Conductivity-1 <sup>st</sup> stage RO water	Feed water conductivity×5%			
Conductivity-2 <sup>nd</sup> stage RO water	1~5µs/cm			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	640×540×1110mm; 70Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	240W	240W	240W	360W

### MPUR-MERQ SERIES

PURE WATER SYSTEM

This is 2<sup>nd</sup> stage RO & deionized water system, with LCD controlling system, 3 way water quality sensor, timing and quality dispensing, stainless steel shell, built-in 2 set tanks (buffer tank and pressure tank). Its output ranges from 30 to 90 liters/hour. The 2<sup>nd</sup> stage RO water's conductivity can stay 1-5µs/cm, and the deionized water's resistivity is more than 10MΩ.cm, near to 18.2MΩ.cm. It completely meets the requirements of general chemical or biological experiments for pure water.

SPECIFICATION				
Model	MPUR112	MPUR113	MPUR114	MPUR115
Output-1 <sup>st</sup> stage RO water	63 Liters/hour	93 Liters/hour	125 Liters/hour	150 Liters/hour
Output-2 <sup>nd</sup> stage RO water	30 Liters/hour	45 Liters/hour	60 Liters/hour	90 Liters/hour
Output-deionized water	<30 Liters/hour	<45 Liters/hour	<60 Liters/hour	<90 Liters/hour
Pure water outlet	3: 1 <sup>st</sup> stage and 2 <sup>nd</sup> reverse osmosis water, deionized water			
Deionized water quality				
Resistivity (25°C)	10~18.2MΩ.cm			
Bacteria	<0.1 cfu/ml			
RO water quality				
Conductivity-1 <sup>st</sup> stage RO water	Feed water conductivity×5%			
Conductivity-2 <sup>nd</sup> stage RO water	1~5µs/cm			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	640×540×1110mm; 75Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	240W	240W	240W	360W



### MPUR-MERS SERIES

PURE WATER SYSTEM

This is 2<sup>nd</sup> stage RO & ultrapure water system, with LCD controlling system, 3 way water quality sensor, timing and quality dispensing, stainless steel shell, built-in 2 set tanks (buffer tank and pressure tank). Its output ranges from 30 to 90 liters/hour. The 2<sup>nd</sup> stage RO water's conductivity can stay 1-5µs/cm, and the ultrapure water's resistivity absolutely reaches to 18.2MΩ.cm. It completely meets the highest grade I standard of ASTM, CAP, CLSI, EP and USP.



SPECIFICATION				
Model	MPUR 11630 11745 11860 11990	MPUR 12030 12145 12260 12390	MPUR 12430 12545 12660 12790	MPUR 12830 12945 13060 13190
Output-1 <sup>st</sup> stage RO water	30 series-63 Liters/hour, 45 series-93 Liters/hour, 60 series-125 Liters/hour, 90 series-150 Liters/hour			
Output-2 <sup>nd</sup> stage RO water	30 series-30 Liters/hour, 45 series-45 Liters/hour, 60 series-60 Liters/hour, 90 series-90 Liters/hour			
Output-ultrapure water	30 series<30 Liters/hour, 45 series<45 Liters/hour, 60 series<60 Liters/hour, 90 series<90 Liters/hour			
Pure water outlet	3: 1 <sup>st</sup> stage and 2 <sup>nd</sup> reverse osmosis water, ultrapure water			
Ultrapure water quality				
Resistivity (25°C)	18.2MΩ.cm			
TOC	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1 cfu/ml			
RO water quality				
Conductivity-1 <sup>st</sup> stage RO water	Feed water conductivity×5%			
Conductivity-2 <sup>nd</sup> stage RO water	1~5µs/cm			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	640×540×1110mm; 80Kg			
Electrical requirements	AC 100~240V, 50/60Hz			
Power	240W	240W	240W	360W



### MPUR-ME1600RO SERIES

PURE WATER SYSTEM

SPECIFICATION	
Model	MPUR132
Output (25°C)	250 liters/hour
Pure water outlet	1: reverse osmosis water
RO water quality	
Ion rejection rate	96%~99% (new RO membrane)
Organic rejection rate	>99%, when MW>200 Dalton
Particles and bacteria rejection rate	>99%
Feed water requirements	Tap water, temperature: 5~45°C
Dimension and weight (L×W×H)	760×550×1210mm; 80Kg
Electrical requirements	AC 100~240V, 50/60Hz
Power	480W

- MPUR-ME1600 series is nearly the smallest water system, with the same output-250 liters/hour. It meets the requirements of water for production and central water supply.
- Features and Advantages:  
MPUR-ME1600RO is single stage RO water system, with LCD controlling system, 2 way water quality sensor, timing and quality dispensing, stainless steel shell. The single stage RO water's ion rejection rate is more than 96% (new RO membrane), organic rejection rate>99% (when MW>200 Dalton), particles and bacteria rejection rate>99%. It is suitable for glassware washing and general grade experiments.

MPUR-ME1600:

- The voltage is only DC 24V, lower than human safe voltage (DC 36V). 2 sets 800 GPD pure water system, can be independent operation. If one was broken, the other also runs. Working pressure of RO membrane<70PSI (4.9kgf/cm<sup>2</sup>), assure safety. Working pressure of RO membrane>225 PSI (15kgf/cm<sup>2</sup>), dangerous for operator. Floor space is only 0.5m<sup>2</sup>, save more room for laboratory.



### MPUR-ME1600Q SERIES

PURE WATER SYSTEM

SPECIFICATION	
Model	MPUR133
Output (25°C)	250 liters/hour
Pure water outlet	2: reverse osmosis water, deionized water
Deionized water quality	
Resistivity (25°C)	10~18.2MΩ.cm
Bacteria	<0.1 cfu/ml
RO water quality	
Ion rejection rate	96%~99% (new RO membrane)
Organic rejection rate	>99%, when MW>200 Dalton
Particles and bacteria rejection rate	>99%
Feed water requirements	Tap water, temperature: 5~45°C
Dimension and weight (L×W×H)	760×550×1210mm; 85Kg
Electrical requirements	AC 100~240V, 50/60Hz
Power	480W

### MPUR-ME1600S SERIES

PURE WATER SYSTEM

SPECIFICATION	
Model	MPUR134
Output (25°C)	250 liters/hour
Pure water outlet	2: reverse osmosis water, ultrapure water
Ultrapure water quality	
Resistivity (25°C)	18.2MΩ.cm
TOC	<10ppb
Bacteria	<0.1 cfu/ml
RO water quality	
Ion rejection rate	96%~99% (new RO membrane)
Organic rejection rate	>99%, when MW>200 Dalton
Particles and bacteria rejection rate	>99%
Feed water requirements	Tap water, temperature: 5~45°C
Dimension and weight (L×W×H)	760×550×1210mm; 88Kg
Electrical requirements	AC 100~240V, 50/60Hz
Power	480W

## MPUR-PT SERIES

### PURE WATER SYSTEM

1. Boot test itself, large screen LCD dot matrix display, English display;
2. Program running as animation display, water production, internal loop interface display, full water interface display, pure water, ultra pure water quality excess alarm function.
3. Automatic microcomputer control system, multi-level menu operation;
4. 2 Road on-line water quality monitoring, real-time monitoring of RO water and ultra pure water and water temperature;
5. Automatic RO membrane anti-fouling flushing procedure, prolong the service life of RO membrane, automatic backwashing every 2 hours;
6. Perfect historical alarm and records of water using and supplies management function;
7. Two quality water, a dual-purpose machine;
8. Imported nuclear grade resin, imported 0.45µm PES composite membrane and terminal sterilization filter;
9. Effluent water quality compliance function (ultrapure water not less than the set value of water).



SPECIFICATION				
Model	MPUR135	MPUR136	MPUR137	MPUR138
Output (25°C)	10 Liters/hour	20 Liters/hour	30 Liters/hour	40 Liters/hour
Pure water outlet	2: reverse osmosis water, ultrapure water			
Ultrapure water quality				
Resistivity (25°C)	18.25MΩ.cm			
TOC	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1 cfu/ml			
RO water quality				
Ion rejection rate	96%~99% (new RO membrane)			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5~45°C			
Dimension and weight (L×W×H)	500×450×500mm/35Kg			
Electrical requirements	AC 220V, 50Hz			
Power	30W	35W	75W	80W



## MPUR-PL SERIES

### PURE WATER SYSTEM

1. With real-time tracking, self-check function in the working process of instrument;
2. Function of self checking, pump work tips, low pressure indicator and system flushing indication;
3. Imported ion membrane and high pressure pure, silent water pump, operation quality more reliable and more widely applicable;
4. System washing function: each boot before water production, automatic flushing for 18 seconds, then the system began to produce water;
5. System protection function: when the water pressure is too low or no water, the equipment automatic shutdown, and automatic startup when water comes;
6. High output, low energy consumption (save electricity, 20L/h, power consumption is only 50W, just 1/300 similar products)
7. Using advanced water treatment process, high pure water ratio of about 40%, less water consumption;
8. No heating tube, no fouling, no cleaning; no heat loss, no cooling water at room temperature, It can be used directly in the experiment;
9. Simple operation, convenient maintenance and low running cost;
10. Two level RO pre-desalting system; Function of upgrading the water quality and quantity.

SPECIFICATION			
Model	MPUR139	MPUR140	MPUR141
Output (25°C)	60 Liters/hour	80 Liters/hour	90 Liters/hour
Pure water outlet	2: reverse osmosis water, ultrapure water		
Ultrapure water quality			
Resistivity (25°C)	18.25MΩ.cm		
TOC	<10ppb	<3ppb	<3ppb
Bacteria	<0.1 cfu/ml		
RO water quality			
Ion rejection rate	96%~99% (new RO membrane)		
Particles and bacteria rejection rate	>99%		
Feed water requirements	Tap water, temperature: 5~45°C		
Dimension and weight (L×W×H)	500×530×1000mm/80Kg		
Electrical requirements	AC 220V, 50Hz		
Power	120W	140W	160W

## MPUR-RS SERIES

### PURE WATER SYSTEM

- Using urban tap water as raw water, adopting the core purification technology of multi-stage pretreatment and reverse osmosis membrane. Meanwhile, automatically continuous water production greatly satisfies the requirements of laboratory water consumption;
- Real-time online monitoring of water quality on water production;
- It with the upgrade functions of water quality and production water volume;
- Low power systems operation and low noise, suitable for different water sources;
- Power-on self-test, water shortage alarm protection, power failure automatic reset, ultra-high and low voltage protection;
- Automatic water production with microcomputer control, automatically shut down when full water stage, and replenish water when low water stage;
- The anti scale and flushing program of automatic RO membrane, with automatic periodic flushing function, to extend the service life of RO membrane;
- The product is miniaturized integrated, modularization and quick-connected internal design, easily installation and maintenance, small footprint and modern appearance.

SPECIFICATION			
Model	MPUR142	MPUR143	MPUR144
Output (25°C)	<10 Liters/hour	<20 Liters/hour	<30 Liters/hour
Model	MPUR145	MPUR146	MPUR147
Output (25°C)	<40 Liters/hour	<60 Liters/hour	<80 Liters/hour
Pure water outlet	2: reverse osmosis water, ultrapure water		
Ultrapure water quality			
Resistivity (25°C)	>1MΩ.cm		
TOC	<50ppb		
Bacteria	<100 cfu/ml		
RO water quality			
Ion rejection rate	96%~99% (new RO membrane)		
Particles and bacteria rejection rate	>99%		
Feed water requirements	Tap water, temperature: 5~45°C		
Dimension and weight (L×W×H)	490×540×810mm/55Kg		
Electrical requirements	AC 100-240V, 50/60Hz		
Power	30-250W		



## MPUR-LS SERIES

### PURE WATER SYSTEM

- Preparation adopts three levels of treatment PPX+PP+AC. It can considerable guarantee life of RO membrane.
- The equipment is ensured safe for three automatic protections: Power-failure, overloading and over current.
- The equipment has raw water shortage protection and Low water pressure protection. The two functions avoid high-pressure pump running at idle state.
- Microcomputer controls equipment on the process for automatic water-making; the equipment shuts down automatically when water full, and water low level, it starts watering.
- The equipment has full automatic RO membrane anti-fouling program. It has regular automatic washing function to prolong life of RO membrane.
- It has real time on-line monitoring for water-making flow, water pressure, and water quality.
- The equipped RO membrane and purification package are larger than usual ones of other Purified water equipment.

- The equipped pure water tanks and delivery system both have two water intake modes: under pressure and without pressure.
- The integrated, modularity, and quick connection design make the running status intuitively.
- The equipment is vertical box structure and it moves easily for the bottom with universal casters installed.

SPECIFICATION			
Model	MPUR148	MPUR149	MPUR150
Output (25°C)	60 Liters/hour	80 Liters/hour	120 Liters/hour
Pure water outlet	2: reverse osmosis water, ultrapure water		
Ultrapure water quality			
Resistivity (25°C)	18.25 MΩ.cm		
TOC	<10ppb		
Bacteria	<1 cfu/ml		
RO water quality			
Ion rejection rate	≥98% (new RO membrane)		
Feed water requirements	Tap water, temperature: 5~40°C		
Dimension and weight (L×W×H)	450×400×1200mm/55Kg	640×450×1200mm/58Kg	
Electrical requirements	AC 220V, 50 Hz		
Power	400W	800W	



## MPUR-CR SERIES

### PURE WATER SYSTEM

Integrating pretreatment filter (quartz sand and activated carbon), double stage reverse osmosis membrane, EDI module, 150 liters buffer tank (for 1<sup>st</sup> stage RO water), 250 liters stainless steel tank (SUS304, for Edi water), pure water supplying and tube circulation system into one body, MPUR-CR 250/500's output ranges from 250 to 500 liters/hour.

The Edi/deionized water's resistivity is more than 15 MΩ.cm, in the low running cost. It meets the requirements of pure water for mass production and lab central water supply.



#### SPECIFICATION

Model	MPUR151	MPUR152
Output (25°C)	250 Liters/hour	500 Liters/hour
Deionized water quality		
Resistivity (25°C)	>15MΩ.cm	
RO water quality		
Conductivity-2 <sup>nd</sup> stage RO water		
Organic rejection rate	1~5µs/cm	
Feed water requirements	Tap water, temperature: 5~45°C	
Dimension and weight (L×W×H)	170×78×180cm/300Kg	
Electrical requirements	AC 380V, 50/60Hz	
Power	6KW	7KW



### PC-M-PP

#### CONSUMABLES

Service life/Replacement term (About 2-6 months), 5µmPP spun fiber cartridge



### PC-M-KDF

#### CONSUMABLES

Service life/Replacement term (About 12 months), kinetic degradation fluxion cartridge



### PC-M-AC-G

#### CONSUMABLES

Service life/Replacement term (About 6 months), granular active carbon cartridge



### PC-20AC-B

#### CONSUMABLES

20" active carbon block cartridge, replacement term: about 2-6 months



### PC-20AC-G

#### CONSUMABLES

20" granular active carbon cartridge, replacement term: about 2-6 months



**PC-20PP**

CONSUMABLES

20" spun fiber cartridge, replacement term: about 2-6 months



**PTC-AC-HZB**

CONSUMABLES

Service life/Replacement term (About 9000 liters pure water), post active carbon filter



**PTC-MBR-M**

CONSUMABLES

Service life/Replacement term (About 1000 liters pure water/ pc), mixed bed resin cartridge



**TF-(0.45+0.1) µm-**

CONSUMABLES

(0.45+0.1) µm terminal filter



**UV-254-10W-M**

CONSUMABLES

254nm wavelength UV cartridge



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