

Ultra Series Water system (tap water inlet)



Ultra series is popular **economic** choice for **high grade experiments ultrapure water**. With tap water inlet, it has 2 kinds of output, 15 or 30 liters/hour. And the resistivity, absolutely reaching to 18.2MΩ.cm, completely meets the highest grade I standard of GB6682-2008, ASTM, CAP, CLSI, EP and USP.

Application:

- HPLC, GC-MS, ICP-AES
- ICP-MS, AAS, GF-AAS
- TOC analysis, IC
- Electrochemistry
- Organic and inorganic trace analysis
- Molecular biology, microbiology
- PCR analysis
- DNA order analysis
- Cell culture
- Cell and cultivation medium preparation
- Monoclonal antibody production
- Gel electrophoresis analysis

Specifications:

Model	Basic	Eliminating endotoxin	Low TOC	Synthesizing
	Ultra Series 3015	UltraSeries3015UF	Ultra Series 3015UV	Ultra Series 3015VF
Ultra Series 3030	UltraSeries3030UF	UltraSeries 3030UV	Ultra Series 3030VF	
Feed water requirements*	Tap water: TDS<200 ppm, 5-45°C, 1.0-4.0Kg/cm ² (Extra pretreatment filter is recommended, if TDS>200ppm)			
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
Ultrapure water quality:				
Resistivity(25°C)	18.2MΩ.cm			
UV Lamp				11 Watt
TOC***	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1cfu/ml			
Endotoxin	N/A	<0.001Eu/ml	N/A	<0.001Eu/ml
Particle(>0.2µm)	<1/ml			
RNases	N/A	<0.01ng/ml	N/A	<0.01ng/ml
DNases	N/A	<4pg/µl	N/A	<4pg/µl
RO water quality:				
Ion rejection rate	96%-99% (New RO membrane)			
Organic rejection rate	>99%, when MW>200 Dalton			
Partides and bacteria rejection rate	>99%			
Water Tank Capacity	15 liters/hour,		30 liters/hour	
Flow rate	2.0 liters/minute(with pressure tank)			
Pure water Inlet (Min./Max.)	0.4-0.6 Kg/Sq.Cm / 2.0-4.0 Kg/Sq.Cm			
Dimension/Weight	Length×Width×Height:410×220×420mm/ Weight: about 20Kg			
Electric requirements	AC110-220V, 50/60Hz, 48W, 72W			
Water quality monitor	Portable TDS/conductivity test pen + on-line resistivity monitor			
Standard configuration	Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag			

* 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.