

SASTEC Ultrapure Water System (Tap water inlet)



Specifications:

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

Applications:

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

Specification of SASTEC Ultrapure Water System (Tap water inlet)

Model	Basic	Eliminating endotoxin	Low TOC	Synthesizing	
	ST-WP-S15 ST-WP-S30	ST-WP-S15UF ST-WP-S30UF	ST-WP-S15UV ST-WP-S30UV	ST-WP-S15UVF ST-WP-S30UVF	
Feed water requirements*	Tap water: TDS<200 ppm, 5-45 , 1.0-4.0Kgf/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)	18.2MΩ.cm			
	Heavy metal ion	<0.1ppb			
	TOC***	<10ppb		<3ppb	
	Bacteria	<0.1cfu/ml			
	Endotoxin	N/A	<0.001Eu/ml	N/A	<0.001Eu/ml
	Particle(>0.2dm)	<1/ml			
	RNases	N/A	<0.01ng/ml	N/A	<0.01ng/ml
	DNases	N/A	<4pg/dl	N/A	<4pg/dl
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%			
Output(25)****	S15:15 Liters/ Hour, S30:30 Liters/ Hour				
Flow rate	2.0 Liters/ Minute (with Pressure Tank)				
Pure water outlet	2:RO water, ultrapure water				
Dimension	410L × 220W × 420H mm				
Weights	About 20Kg				
Electric requirements	AC110-220V, 50/60Hz, S15:48W, S30:72W				
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.