

Standard WP Series Water Purification System

Inlet: Tap Water



ST-WP



ST-WP UF/ UV/ UVF

Specification of Standard WP Series Water Purification System

Model		Standard	Eliminating Endotoxin	Low TOC	Comprehensive
		ST-WP ST-WP Plus	ST-WP UF ST-W UF Plus	ST-WP UV ST-WP UV Plus	ST-WP UVF ST-WP UVF Plus
Flow Procedure		F + AC + RO + DI +TF	PF + AC + RO + DI + UF + TF	PF + AC + RO + UV + DI +TF	+ UF + TF
Application		Micro-analysis, Environmental analysis, AA, ICP, IC, Buffer preparation, Pharmacy Research, Medicine examining	Molecular biology, PCR, Gene research, Pharmacy research, Medicine examinig, Cell cultivating, IVF etc.	Micro-analysis, Environmental analysis, HPLC, TOC, VOC, GC/MS, Pharmacy Research, Medicine examining	Molecular biology, Micro organic analysis, Environmental analysis, Pharmacy research, Medicine examining, Cell cultivating, IVF etc.
Inlet Water		Tap Water: TDS <200ppm, 5 - 45°C, 1.0 - 4.0 Kg <i>f</i> /cm ² (If inlet TDS >200ppm, extra pre-treatment is recommended)			
Purification System	Pre-treatment Unit	Special Spun Fibre Filter (Plus model use 10" type) + special active carbon block filter x2			
	RO Unit	100GPD RO Membrane x1 (Plus model 2 x 100GPD)			
Ultrapure Water Quality	Subsequent Unit	Ultrapure Polishing resin cartridge x4, 0.45 + 0.1um terminal UV mode: Double wavelength 185 & 254 nm UV cartridge x1 UF model: 5000 Doulton UF cartridge x1 UVF model: Double wavelenght 185 & 254 nm UV cartridge + 500 Doulton UF cartridge x1			
	Resistivity MΩ-cm	18.2 @ 25°C			
	Heavy Metal ppb	<0.1			
	TOC ppb	<0.1		<5	
	Particle 970.22 um ml	<1			
	Bacteria <i>cfu/ ml</i>	<1			
Water Production		RO Type III and Ultrapure Type I			
Output (25°C)		15L/ hour (Plus model: 30L/ hour)			
Flow Rate		2L/ min (Withpressure tank) less output for UF/ UV model			
Control System		Automatic electronic pressure sensor control, RO membrane auto flushing, Auto stop without water, Auto Stop when water tank is full, Auto cut off water when pump stop working, ensure 24 hours operation.			
Display		Digital LCD with back light			
Water Purity Monitor		TDS Tester + On Line Resistivity Monitor			
Voltage		AC 110-220V 50/60Hz			
Power		48W, Plus model: 72W			
External Dimension		42H x 41W x 22D cm			
Weight		12 - 14Kg			
Standard Configuration		Main body + purifying cartridge + 4.0 gallon tank + Terminal Filter	Main body + Purifying cartridge + 4.0 gallon tank + UF cartridge + terminal filter	Main body + Purifying cartridge + 4.0 gallon tank + UV cartridge + terminal filter	Main body + Purifyin cartridge + 4.0 gallon tank Terminal Filter

* Inlet water: TDS200ppm, 25°C, 50psi & 15% recovery rate

** GPD = gallon per day

*** The quality of inlet water will effect outlet's and cartridge's life
Rohm hass nuclear mixed bed A x 2 can be replaced by PALL cartridge and inquiring for price.

Specification can be changed without any prior notice

PF: Pre-treatment

AC: Active carbon

RO: Reverse osmosis

DI: Ion exchange

UV: Ultraviolet (Double wavelength: 254, 185nm)

UF: Ultrafiltration

TF: Double membrane filtration