

## 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	Big Flux	
	ST-WP	ST-WP UF	ST-WP UV	ST-WP UVF	ST-WP plus	
Flow Procedure	PF + AC + RO + DI + DMF	PF + AC + RO + DI + UF + DMF	PF + AC + RO + UV+ DI + DMF	PF + AC + RO + UV+ DI + UF + DMF	PF + AC + RO + DI + DMF	
Application	Micro-analysis, environmental analysis, AA, ICP, IC, buffer preparation, pharmacy research, medicine examining	Molecular biology, PCR, gene research, pharmacy research, medicine examining, 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.	Micro-analysis, environmental analysis, AA, ICP, IC, buffer preparation, pharmacy research, medicine examining	
Filtration System	LV. 1	Tap water inlet filter (optional)		Tap water inlet 10' PP filter		
	LV. 2	Special PP filter		Special carbon filter		
	LV. 3	Special carbon filter				
	LV. 4	Special carbon filter			-	Special carbon filter
	LV. 5	100GPD RO membrane**				2 x 100GPD RO membrane**
	LV. 6	-	Double wavelength UV cartridge		-	
	LV. 7	Intensive carbon filter				
	LV. 8	Ultra pure cartridge with 4 x nuclear mixed bed A				
	LV. 9	-	5000 Doulton UF eliminating endotoxin cartridge	-	5000 Doulton UF eliminating endotoxin cartridge	-
	LV. 10	Sartorius 0.2um terminal filter with pretreatment				
Water Quality	Rejection Rate/ %	Nearly 100%				
	Resistivity MΩ-cm	18.2 @ 25°C				
	TOC ppb	3-20		2-10		
	Endotoxin Eu/ ml	-	< 0.002	-	< 0.002	
	Virus cfu/ ml	< 1 cfu/ ml				
Water Production	RO water & ultra pure Type I					
Control System	Automatic electronic pressure sensor control, RO membrane auto flushing, automatic cut off without water, automatic cut off when water tank full, automatic cut off water supply when pump stop, guaranteeing 24 hours production					
Digital Water Monitor	LCD with back light					
Inlet Water Requirement	Tap water: TDS <200, 5-40°C, 1.0-3.5kg/ cm <sup>2</sup>					
Output (25°C)	15L/ hour*			30L/ hour*		
Instantaneous output L/ min	1.5L/ min (with pressure tank) (Less output with UF/ UV cartridge)					
External Dimension (H x W x D) cm	42 x 41 x 22					
Weight	12-14kg					
Standard Configuration	Main body + purifying cartridge + 3.2 gallon tank + terminal filter	Main body + purifying cartridge + 3.2 gallon tank + UF cartridge + terminal filter	Main body + purifying cartridge + 3.2 gallon tank + UV cartridge + terminal filter	Main body + purifying cartridge + 3.2 gallon tank + UV/ UF cartridge + terminal filter	Main body + purifying cartridge + 11 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

Rohmhaas 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: Retreating

AC: Active carbon

RO: Reverse osmosis

DI: Ion exchange

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

UF: Ultrafiltration

DMF: Double membrane filtration