

Premier WPD Series Water Purification System
Inlet: Distilled/ deionization water



ST-WPD/ WPD UV/ WPD UF/ WPD UVF

Specification of Premier WPD Series Water Purification System

Model	Standard	Eliminating Endotoxin	Low TOC	Comprehensive	
	ST-WPD	ST-WPD UF	ST-WPD UV	ST-WPD UVF	
Flow Procedure	AC + DI + TF	AC + DI + UF + TF	AC + UV+ DI + TF	AC + UV+ DI + UF + TF	
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.	
Inlet Water	RO water, distilled water, deionization water				
Purification System	Post active carbon filter x1 + Mixed bed resin cartridge x1 + Ultrapure polishing resin cartridge x4 + (0.45 + 0.1)µm terminal filter x1 UV Model: Double wavelength (185 & 254)nm UV Cartridge x1 UF Model: +5000 Doulton UF cartridge x1 UVF Model: Double wavelength (185 & 254)nm UV cartridge x1 +5000 Doulton UF cartridge x1				
Pure Water Quality	Resistivity MΩ-cm	18.2 @ 25°C			
	Heavy Metal ppb	<0.1			
	TOC ppb	<10		<5	
	Endotoxin	-	<0.001EU/ml	-	<0.001EU/ml
	Particle (>0.22µm)	<1/ml)			
	Bacteria	< 1 cfu/ml			
Output	>1.5L/m (with pressure tank) (Less output with UF/UV cartridge)				
Pure Water Outlet	Deionized water & Ultrapure water				
Control System	Automatic electronic pressure sensor controlling, recirculation function				
Water Quality Monitor	TDS test pen + on-line resistivity monitor				
Electric Requirements	AC110-220V, 50/60Hz, 72W				
Dimension (L x W x H) cm	41L x 22W x 42H cm				
Weight	12 - 14Kg				
Standard Configuration	Main body (including: 1set cartridge) + TDS pen + accessory box				

* Inlet water: TDS200ppm, 25°C, 50psi & 15% recovery rate
 *** The quality of inlet water will effect outlet's and cartridge's life
 AC: Active carbon
 DI: Ion exchange
 UV: Ultraviolet (Double wavelength: 254, 185nm)
 UF: Ultrafiltration
 DMF: Double membrane filtration

Specification can be changed without any prior notice