

ST-FLD Series Water Purification System

Specification of ST-FLD Series Water Purification System

Model	Standard ST-FLD	Eliminating Endotoxin ST-FLD-UF	Low TOC ST-FLD-UV	Comprehensive ST-FLD-UVF	
Flow Procedure	AC + DI + DMF	AC + DI + UF + DMF	UV + AC + DI + DMF	UV + AC + DI + DMI	
Application	- GC, HPLC, IC, ICP, PCR - Weather analysis - Amino acid analysis - Reagent preparation	- Molecular biology - Cell and tissue cultivation - Life Science - IVF electrophoresis	- HPLC, IC, ICP-MS - TOC and organism analysis - CF-AAS Environmental Analysis	- HPLC, IC, ICP-MS - Cell Cultivation - Molecular biology - Physics	
Water Quality	Partical	> 0.22 µm < 1ml			
	Heavy Metal	< 0.1 ppb			
	TOC	< 10 ppb	< 3 ppb		
	Bacteria	< 1 CFU/ml			
	Endotoxin	0	< 0.001 EU/ml	0	< 0.001 EU/ml
	Resistivity	Ultra pure water: 18.2 MΩ-cm@25°C, High pure water ≥3MΩ cm			
Technical Specification	Output	15 Liters/min (Less output with UF/UV Cartridge)			
	Pure Water Outlet	2-High pure water, Ultra Pure Water			
	External Dimesion	50 x 36 x 54 (H x W x D) mm			
	Weight	20-30 kg			
	Power	220V, 50Hz, 72W			
Control System	Mode Display	Power on, Program, Inlet Rinse, Producing, Full, Circle, Regular Outlet, Disinfection, Consumables replacing reminder.			
	Safety	Low Pressure and full water alarm, password, auto rest, outlet forbidden when alarm or disinfection.			
	System Monitor	Monitoring quality of inlet water, RO water and ultra pure water, tempertaure, used and left time of consumables.			
	Water Source	RO Water, distilled water, deionization water 5-45°C, 1 atm			
Purification System	Post Active Carbon filter + Mixed bed resin cartridge Ultra Pure polishing resin cartridge + 0.2 µm terminal filter				
	UV Model: Double Wave Lenght (185 & 254nm) UV Cartridge UF Model: 5000 Doulton UF Cartridge UVF Model: Double Wave Lenght (185 & 254nm) UV Cartridge + 5000 Doulton UF Cartridge				

REMARK:

Inlet water: TDS 200ppm, 25°C, 50psi and 15% recovery rate
 GPD: gallon per day; 1 gallon= 3.8L
 The quality of inlet water will effect outputs and cartridges life

PF: Pre-Treating
 AC: Active Carbon
 RO: Reverse Osmosis
 DI: Ion Exchange
 UV: Ultraviolet (Double wave lenght 254, 185nm)
 UF: Ultrafiltration
 DMF: Double Membrane Filtration
 TF: Terminal Treating