

## ST-FLQ Series Water Purification System

Specification of ST-FLQ Series Water Purification System					
Model	ST-FLQ	ST-FLQ-UT	ST-FLQ-PLUS	ST-FLQ-PLUS-T	
Flow Procedure	PF + AC + RO + DI	PF + AC + RO + UV + DI + TF	PF + AC + RO + DI	PF + AC + RO + UV + TF + DI	
Application	Ware washing, Agricultural expe, General biological expe, Aquactic products feeding Inlet water for ultra pure water machine, Inlet water for sterilizer/ T&H chamber, Buffer disposing, Aseptic drinking water, Physical and chemical analysis, Fine chemistry industry, Inlet water for ultra pure water machine, GC/ HPLC, Pharmacy research, Medicine Examining				
DI Water Quality	Resistivity MΩ.cm	16-18.2			
	RO	0.1ppb			
	Heavy Metal	<TDS of water x4%			
	TOC	30ppb			
	Bacteria	-	1CFU/ml	-	1CFU/ml
	Particle(>0.22µm)	-	1/ml	-	1/ml
	Output (25°C)	15L/H		30L/H	
Technical Specification	Instantaneous Output	15L/min (with pressure tank)			
	Flow Rate	2L/m (with pressure tank)			
	Pure Water Outlet	RO Water, Deionized water			
	Dimension L x W x H	50L x 36W x 54H cm			
Control System	Weight	20 - 30Kg			
	Electric Requirements	AC110-220V, 50/60Hz, 120W			
	Mode Display	Power on, program, inlet rinse, producing, full, circle, regular outlet, disinfection, consumables replacing remind			
	Safety	Low pressure and full water alarm, password, auto-reset, outlet forbidden when alarm or disinfection			
	System Monitor	Monitoring quality of feed water, RO water and ultrapure water, temperature, used and left time of consumables			
Feed Water Requirements	Tap water, Inlet TDS <200 ppm, 5-45°C, 1.0 - 4.0Kg/cm <sup>2</sup> (If inlet TDS>200ppm, extra pre-treatment is recommended)				
Purification System	Pre-treatment Unit	5µm spun fiber filter x1 + kinetic degradation fluxion filter x1 + Granular active carbon filter x1			
	RO Unit	100 GPD RO membrane x1 (Plus model: 100 GPD RO membrane x2)			
	Subsequent Unit	Post active carbon filter x1 + Mixed bed resin cartridge x3 (Plus model: Mixed bed resin cartridge x4) UT Model: +245nm wavelenght UV cartridge x1 + (0.45 + 0.1) µm terminal filter x1			
Standard Configuration	Main body (including: 1set cartridge) +4 gallon tank + accessory box				

### 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 lenth 254, 185nm)  
UF: Ultrafiltration  
DMF: Double Membrane Filtration  
TF: Terminal Treating