Medium 1600 Series Pure Water System

Specification Medium 1600 Series Pure Water System

Specification		RO Water System	DI Water System		Ultrapure Water System	
Model		ST-RO 1600-E	ST-RO DI1600	ST-RO DI1600-E	ST-UP 1600	ST-UP 1600-E
Flow procedure		PF+ AC + RO + AC	PF+AC+RO+AC+DI		PF+AC+RO+AC+DI	
Feed water requirements		Tap water: TDS <200ppm, 5 - 45ºC), 1.0 - 4.0 Kgf/cm^2				
Purification system	Pre-treatment Unit	20" spun fiber filter ×2 + 20" granular active carbon filter ×2 + 20" active carbon block filter ×2				
	RO unit	400 GDP RO membrane x4				
	Subsequent unit	10'granular activated carbon filter ×2	10" granular activated carbon filter ×2 +25L mixed bed resin cartridge ×1		10" granular activated carbon filter ×2 + 25L ultrapure polishing resin cartridge ×1	
Pure Water quality		- RO Water System - TDS (Total dissolved solid) of RO water(ppm) <TDS of inlet water ×4 - DI Water System - Resistivity of DI water ≥10MΩ.cm - Ultrapure Water System --Resistivity of ultrapure water: 18.2MΩ.cm				
Output (25ºC)		250L/hour				
Outlet		RO water	RO water, DI water		RO water, UP water	
Optional		- 185 and 254nm UV cartridge, to achieve effective sterilization and reduce TOC index. - 5000 Doulton ultra-filtration cartridge, to eliminate endotoxin. - 0.2μm PES terminal filter, to assure the quality absolutely axenic.				
Innovation		- All in one design - 2 sets 800 GPD pure water system, independent operation. if one was broken, the other also run. - The voltage is only DC24V, lower than safe voltage (DC36V) - Working pressure of RO membrane <70psi (4.9kgf/cm^2), assure safety. - Floor space is only 0.5m^2, save more room for laboratory				
Electric Requirements		AC110-220V, 50/60Hz, 120W				
DimensioN (L x W x H)cm		76L × 55W × 121H cm				
Weight		85Kg				
Standard Configuration		Main body (including :1 set cartridge)+ accessory box				

- Feed water :TDS=200ppm, 251, 50psi and 15% recovery rate.
- GPD= Gallon per day, 1gallon=3.78L.
- The quality of feed water will influence outlet water quality and cartridge's life.

- PF: Pretreatment
- AC: Active Carbon
- RO: Reverse Osmosis
- DI: Deionization