

## Master-D ultrapure water system (Distilled water inlet)



### Specifications:

- Master-D series is popular superior choice of high performance for high grade experiments ultrapure water.
- With distilled or other pure water inlet, the most output is 2 liters/minute.
- And the resistivity, absolutely reaching to 18.2MΩ.cm, completely meets
- the highest grade I standard of ASTM, CAP, CLSI, EP and USP.

### Applications:

- HPLC, GC-MS, ICP-AES
- ICP-MS, AAS, GF-AAS
- Organic and Inorganic Trace Analysis
- Molecular Biology, Microbiology
- Cell and Cultivation Medium Preparation
- Monoclonal Antibody Production
- Gel Electrophoresis Analysis
- Cell Culture
- TOC Analysis, IC
- PCR Analysis
- Electrochemistry
- DNA Order Analysis

### Specification of SASTEC Ultrapure Water System (Tap water inlet)

Model	ST-Basic	ST-Eliminating endotoxin	ST-Low TOC	ST-Synthesizing	
	ST-M-D	ST-M-DUF	ST-M-DUV	ST-M-DUVF	
Feed water requirements*	RO water, distilled water, deionized water.5-451,1atm*				
Flow procedure**	AC+DI+TF	AC+DI+UF+TF	UV+AC+DI+TF	UV+AC+DI+UF+TF	
Ultrapure water quality	Resistivity(25 )	18.2MΩ.cm			
	Heavy metal ion	<0.1ppb			
	TOC***	<10ppb	<3ppb		
	Bacteria	<0.1cfu/ml			
	Endotoxin	N/A	<0.001Eu/ml	N/A	<0.001Eu/ml
	Particle(>0.2dm)	<1/ml			
	RNases	N/A	<0.01ng/ml	N/A	<0.01ng/ml
	DNases	N/A	<4pg/μl	N/A	<4pg/μl
Deionized water quality	Resistivity	>5MΩ.cm			
Output(25q)****	Utmost up to 2.0 liters/ minute (less output with UF cartridge)				
Pure water outlet	2: deionized water, ultrapure water				
Dimension	500L × 360W × 540H mm				
Weight	About 20Kg				
Electric requirements	AC110-220V, 50/60Hz, 120W				
Standard configuration	Main body (Including 1 set of cartridges)+ accessory bag				

\* The feed water quality will influence the pure water's quality and cartridges' life-span.

\*\* AC: Active Carbon

DI: Ion Exchange

UV: Ultraviolet

UF: Ultrafiltration

TF: Terminal Microfiltration

\*\*\* Value of number will be influenced by feed water quality.

\*\*\*\* The output will decrease with terminal filter or UF cartridge.