- With LCD controlling system 3 way water quality sensor, timing and quality dispensing stainless steel shell built-in 2 set pressure tanks single stage RO system and pump,ST-Medium-S Series Ultrapure Water System is superior choice of Ultrapure Water's mass usage for high grade experiments.

- With tap water inlet, its output ranges from 45 to 25 liters/hour. It can produce single stage RO water and ultrapure water. The single stage RO water and Ultapure Water. The single stage RO water's ion rejection rate is more than 6 and the ultrapure water''s resistivity absolutely reaches to 8.2MΩ.cm. It completely meets the highest grade I standard of ASTM, CAP, CLSI, EP and USP

Flow Schematic

SASTEC™

SASTEC LABORATORY EQUIPMENT
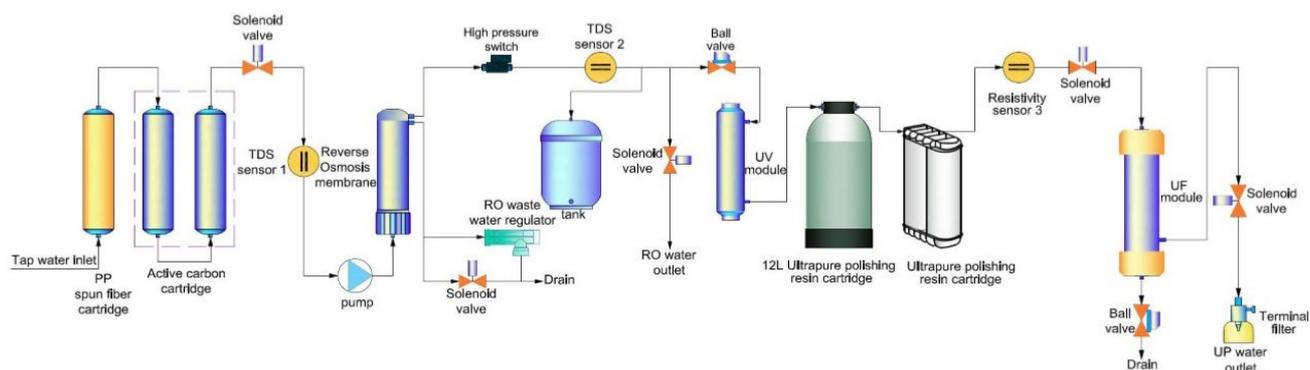
Specification of SASTEC Medium-S Ultrapure Water System (Tap Water Inlet)

Model	Standard ST-Medium-S 300/ 400/ 600/ 800	Eliminating endotoxin ST-Medium-S 300/ 400/ 600/ 800UF	Low TOC ST-Medium-S 300/ 400/ 600/ 800UV	Synthesizing ST-Medium-S 300/ 400/ 600/ 800UVF
Output(25 °C)*	300 series: 45 liters/hour, 400 series: 63 liters/hour,600 series: 94 liters/hour, 800 series: 125 liters/hour			
Pure water outlet	2: reverse osmosis water, ultrapure water			
Ultrapure water quality:				
Resistivity(25 °C)	18.2MΩ.cm			
TOC*	<10ppb		<3ppb	
Bacteria	<0.1cfu/ml			
Particle (>0.2µm)	<1/ml			
Endotoxin	N/A	< 0.001Eu/ml	N/A	< 0.001Eu/ml
RNases	N/A	<0.01ng/ml	N/A	<0.01ng/ml
DNases	N/A	<4pg/µl	N/A	<4pg/µl
RO water quality:				
Ion rejection rate	96%-99% (new RO membrane)			
Organic rejection rate	>99%, when MW>200 Dalton			
Particles and bacteria rejection rate	>99%			
Feed water requirements	Tap water, temperature: 5-45, pressure: 1.0-4.0 Kgf /cm2			
Dimensions	640L x 540W x 1110H mm			
Weight	about 70Kg			
Electrical requirements	AC100-240V , 50/60Hz			
Power	300/400 series: 120W, 600/800 series: 240W			
Standard configuration	Main body (Including 1 set of cartridge)+2 set built-in 15 liters pressure tank			

Remarks:
*The Value will be influenced by temperature and feed water's quality