

**ST-Basic-RO Reverse Osmosis Water System**  
**ST-Basic-Q Deionized Water System**

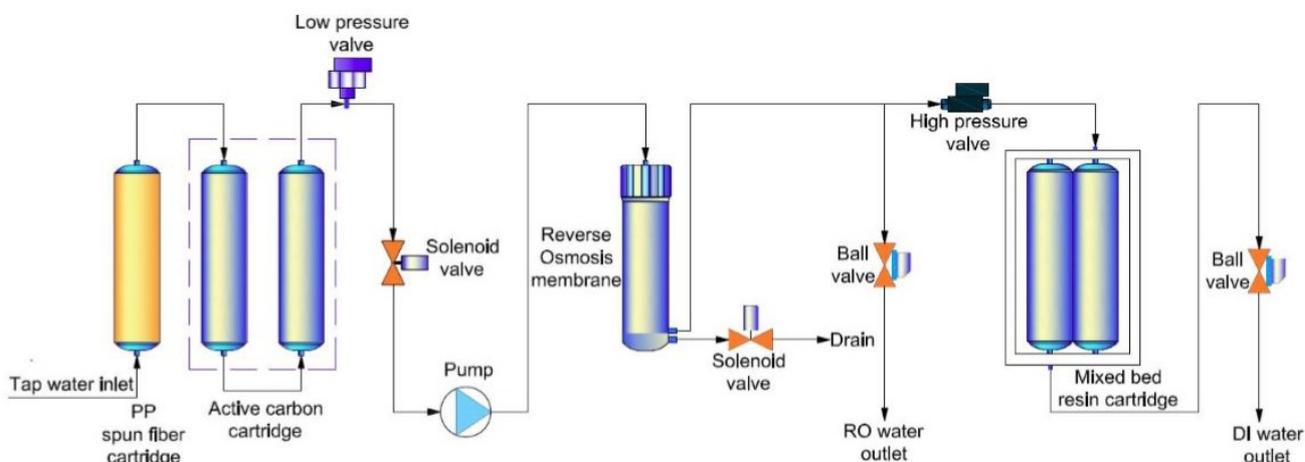


- **ST-Basic-RO Series** is basic choice for general washing pure water. Its output ranges from 15 to 45 liters/hour. Its ion rejection rate:96%-99%(new RO membrane), organic rejection rate>99%(when mw>200 dalton),particles and bacteria rejection rate>99%.
- **ST-Basic-Q Series** is basic choice for general analysis pure water. Its output ranges from 15 to 45 liters/hour.And the resistivity can reach to 13-17.5MΩ.cm. It can replace the water distiller completely.
- One built-in 12 liters pressure tank can be added into **ST-Basic-RO/ Q**. Then it is **ST-Basic-RO/ Q- IT Series**. All of basic series can meet the most requirements of chemical and biological experiments' pure water, water for production technology, and so on.

**Applications:**

- Feed of ultrapure water system
- Water for production technology
- Glassware washing
- Chemical and qualitative analysis
- Feed of autoclave sterilizer, biochemical analyzer, immunoassay analyzer, constant temperature and humidity chamber, salt spray test chamber, dampening machine and etc.
- Microbiological analysis
- Water analysis and universal HPLC
- Sample dilution and reagent preparation
- Spectrum measurement

**Flow Schematic**



**Specification of ST-Basic-RO & ST-Basic-Q Deionized Water System**

Model	RO Waters System		Model	Deionized Waters System	
	External Tank	Built-In Tank		External Tank	Built-In Tank
	ST-Basic-RO 15/ 30/ 45	ST-Basic-RO 15/ 30/ 45-IT		ST-Basic-Q 15/ 30/ 45	ST-Basic-Q 15/ 30-IT
Feed Water Requirements*	Tap water: TDS<200 ppm, 5-45°C, 1.0-4.0Kg/ cm2 (Extra pretreatment filter is recommended, if TDS>200 ppm)		Feed Water Requirements*	Tap water: TDS<200 ppm, 5-45°C, 1.0-4.0Kg/ cm2 (Extra pretreatment filter is recommended, if TDS>200 ppm)	
Flow Procedure**	PF+AC+RO+AC		Flow Procedure**	PF+AC+RO+DI	
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%		Deionized Water Quality-Q series	Resistivity>13-17.5MΩ.cm 0.057-0.0 μs/cm Bacteria <0.1cfu/ml (with terminal filter) Particle (>0.2μm) <1/ml (with terminal filter)	
Output(25°C)****	15 series: 15 liters/ hour, 30 series: 30 liters/ hour, 45 series: 45 liters/ hour		Output(25°C)****	15 series: 15 liters/ hour, 30 series: 30 liters/ hour, 45 series: 45 liters/ hour	
Pure Water Outlet	1: RO water		Pure Water Outlet	2: RO and Deionized Water	
Dimension (L x W x H)	410L x 320W x 420H mm	410L x 400W x 420H mm	Dimension (L x W x H)	410L x 320W x 420H mm	410L x 400W x 420H mm
Weight	About 15Kg	About 20Kg	Weight	About 15Kg	About 20Kg
Electric Requirements	AC110-220V, 50/60Hz, 15/30 series: 72W, 45 series:120W				
Standard Configuration	Main body (Including 1 set of cartridges) + Built-in 10 liters tank(IT) + TDS pen + Accessory bag				

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

\*\* PF : Polypropylene spun fiber,

AC : Active carbon

RO : Reverse osmosis

DI : Ion exchange

\*\* All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.