



Basic series water purification system

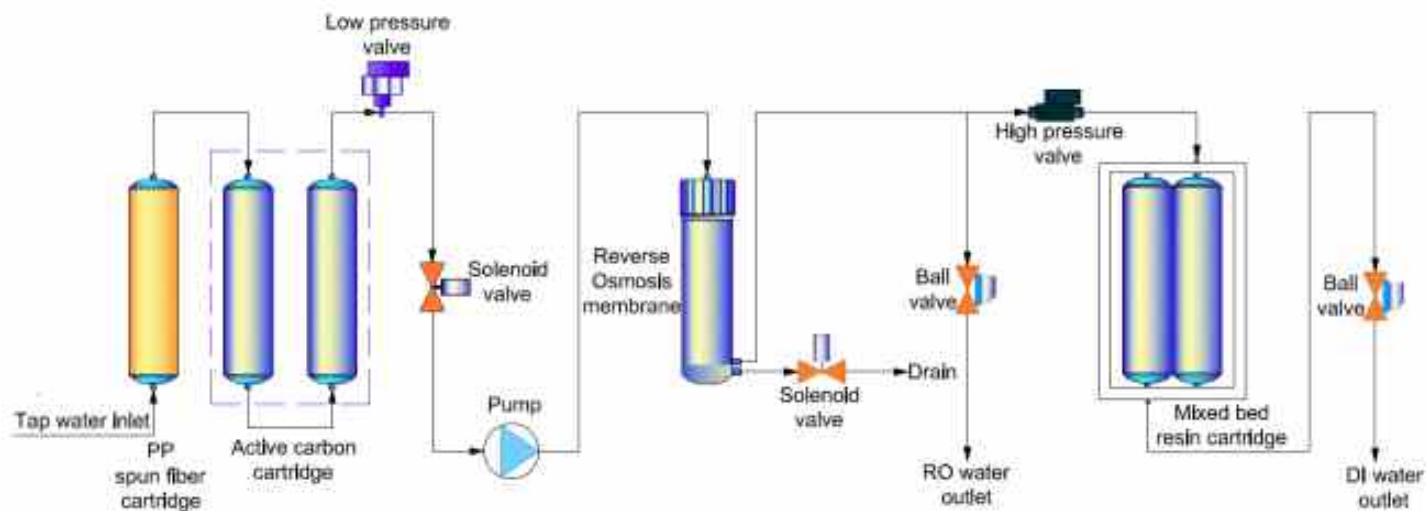
Basic-Q (-IT) series deionized water system (Tap water inlet)

- With LED controlling system, single stage RO system, 1 pump, Portable TDS/conductivity test pen, and built-in 12 liters tank (IT series) , Basic-Q series deionized water system is basic choice of deionized water for general grade experiments. And Basic-Q-IT series is added built-in 12 liters tank on the basis of Basic-Q.
- With tap water inlet, its output ranges from 15 to 45 liters/hour. It can produce single stage RO water and deionized water. The single stage RO water's ion rejection rate is more than 96%, and the deionized water's resistivity is more than 13MΩ.cm, near to 17.5MΩ.cm. It completely meets the requirements of general chemical or biological experiments for pure water. And it is perfect upgraded replacement for water distiller.

◆ Features And Advantages

Automatic microcomputer controlling system, LED real-time animation mode display
Running status is showed in the LED display, such as flushing, producing water, full tank, water shortage, leakage and service
Power on self-test, power reset, alarm when work more than 6 hours continuously, water shortage, leakage, low and high pressure
3 procedure of the reverse osmosis membrane's self-flushing: power on, water shortage reset and work more than 2 hours continuously, extend the life of RO membrane
2 kind of installation type, Desk and wall-mounted (except for 45 series and built-in tank model)
High-strength metal shell with powder painting technics, achieve elegant appearance and meeting GLP standard
Pretreatment cartridges, RO module, deionized cartridges, all designed to modularization independently, easy for maintenance and replacement
Built-in 12 liters pressure water tank (IT series), save laboratory space, easier for installation and maintenance.
External water tanks is optional to meet different need and assure ample water-supply
Tube and adapter with NSF authorization and top quality, reduce TOC level and assure ultrapure water's quality
Standard pretreatment (including PP fiber, and active carbon cartridge), effectively protect RO membrane and run in low cost
RO module with DOW's membrane, ensure long life, stable operation and high desalination rate
Precision mixed resin cartridge, combine high pure water quality and low running cost
Portable TDS/conductivity test pen, convenient to test feed water, RO water and deionized water's quality

◆ Flow Schematic



◆ Specifications

Model	Basic-Q15	Basic-Q30	Basic-Q45
	Basic-Q15-IT	Basic-Q30-IT	-
Output(25°C)*	15 liters/hour	30 liters/hour	45 liters/hour
Flow rate	Up to 2 liters/minute (with pressure tank)		
Pure water outlet	2: reverse osmosis water, deionized water		
Deionized water quality			
Resistivity	13-17.5MΩ.cm		
Bacteria	<0.1cfu/ml (with optional 0.2μm PES terminal filter)		
Particle(>0.1μm)	<0.1cfu/ml (with optional 0.2μm PES terminal filter)		
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°C,pressure:1.0-4.0Kgf/cm ²		
Dimension and weight	Q15,Q30 series: Length×Width×Height: 410×320×420mm/ Weight: about 15Kg Q15-IT,Q30-IT,Q45 series: Length×Width×Height: 410×400×420mm/ Weight: about 20Kg		
Electrical requirements	AC110-240V, 50/60Hz		
Power	Q15,Q30 series: 72W, Q45 series: 120W		
Standard configuration	Main body (Including 1 set of cartridge)+15 liters pressure tank+ TDS/conductivity test pen		

Remarks:

*The value will be influenced by temperature and feed water's quality.

