



Edi series water purification system

◆ Features And Advantages

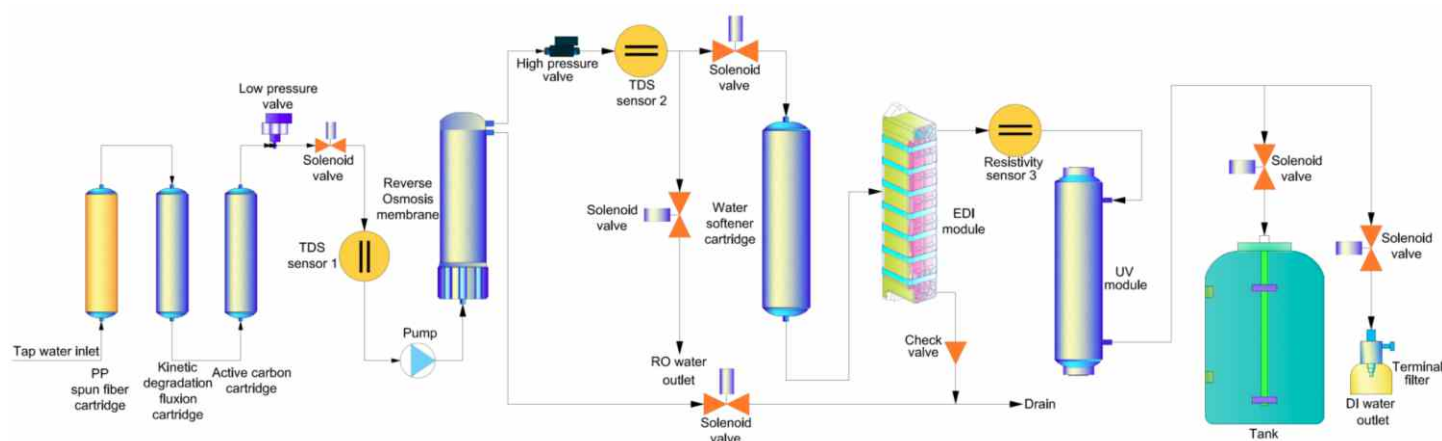
Integrating with Ionpure EDI technology and module
The largest capacity is 240 liters pure water per day
LCD (resolution: 240×128, dimension: 106×57mm) controlling system, intuitively display the system running state and various parameters
3 way online water quality sensor, detect the quality of feed water, RO water, deionized water, or ultrapure water respectively. And warn once water quality's standard exceeding
Cartridges replacing alarm function, based on time and water quality, show cartridges' used and residual life
Multiple alarm function: no feed water, full water, water quality's standard exceeding, and cartridge life ending
Auto self-flushing of RO membrane function, extend RO membrane's life
Auto running data storing function through RS232/USB communication port to computer for 1 year at least (optional)
System sanitizing procedure, achieve the disinfection of ultrapure water's tube and valve
System circulation function, achieve ultrapure water's circulation to keep top quality of ultrapure water
Level II password, protect all the parameters setting, and prohibit any unauthorized setting change
Water dispensing function- timing and quality (time range: 1-99min, water quality range: 0.1-18.2MΩ.cm)
External water tanks is optional to meet different need and assure ample water-supply
Whole plastic shell with high-strength, avoid rusting and keep clean, to meet GLP standard
3 door and easy-to-replacing cartridge design, convenient to maintain system and replace cartridges
Tube and adapter with NSF authorization and top quality, reduce TOC level and assure ultrapure water's quality
Optimized pretreatment (including PP fiber, KDF and active carbon cartridge), effectively protect RO membrane
RO module with DOW's membrane, ensure long life, stable operation and high desalinization rate
4 in 1 ultrapure cartridge (can be divided to 4 independent cartridge) with DOW's top polishing resin, ensure ultrapure water's quality up to 18.2 MΩ.cm, with the lowest TOC level
Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC
MWCO 5000D ultrafiltration module, effectively eliminate endotoxin, and suitable for precise cell cultivating and IVF
(0.45±0.1)µm double layer PES terminal disinfection filter, assure that terminal pure water is absolutely axenic



Edi-Q series deionized water system (Tap water inlet)

- With LCD controlling system, 3 way water quality sensor, timing and quality dispensing, single stage RO system , 1 pump and Ionpure®EDI module, Edi-Q series deionized water system is superior choice of deionized water for general grade experiments.
- With tap water inlet, the largest capacity is 240 liters per day. It can produce single stage RO water and deionized water.
- The single stage RO water's ion rejection rate is more than 96%, and deionized water is stable grade II pure water with resistivity>5MΩ.cm(25°C), TOC<30ppb, and the lowest running cost.
- It completely meets the requirements of general chemical or biological experiments for pure water, and is up to the standard of ISO 3696(Type II), ASTM D1193 (Resistivity of type II and TOC), and the requirements for pure water of CLSI (NCCLS) clinical laboratory, GB/T6682, America, Europe, Japan's pharmacopeia.

◆ Flow Schematic



◆ Specifications

Model	Edi-Q10	Edi-Q10UT
Output(25°C)*	10 liters/hour	
Pure water outlet	2: reverse osmosis water, deionized water	
Edi water quality		
Resistivity	5MΩ.cm	
TOC*	<30ppb	
Silicone rejection rate	>99.9%	
Bacteria	N/A	<0.1cfu/ml
Particle(>0.1µm)	N/A	<1/ml



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	Length×Width×Height:500×360×540mm / Weight: about 20Kg
Electrical requirements	AC110-240V, 50/60Hz
Power	120W
Standard configuration	Main body (Including 1 set of cartridge)+20 liters pressure tank

Remarks:

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

Edi-Q series can be upgraded to touch screen system, just the same as Master to Master Touch.

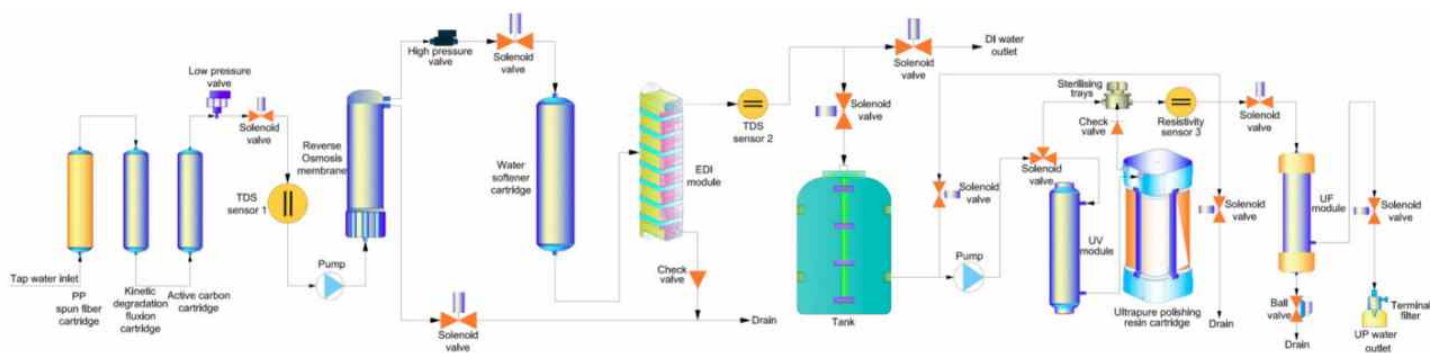




Edi-S series ultrapure water system (Tap water inlet)

- With LCD controlling system, 3 way water quality sensor, timing and quality dispensing, single stage RO system 2 pump and IonpureEDI module, Edi-S ultrapure water system is superior choice of ultrapure water for high grade experiments.
- With tap water inlet, the largest capacity is 240 liters per day. It can produce deionized water and ultrapure water.
- The deionized water is stable grade II pure water with resistivity >5MΩ.cm(25°C), TOC <30ppb, and the lowest running cost. It completely meets the requirements of general chemical or biological experiments for pure water, and is up to the standard of ISO 3696(Type II), ASTM D1193 (Resistivity of type II and TOC), and the requirements for pure water of CLSI (NCCLS) clinical laboratory, GB/T6682, America, Europe, Japan's pharmacopeia.
- And the ultrapure water's resistivity absolutely reaches to 18.2MΩ.cm. It completely meets the highest grade I standard of ASTM, CAP, CLSI, EP and USP.

◆ Flow Schematic



◆ Specifications

Model	Standard	Eliminating endotoxin	Low TOC	Synthesizing
	Edi-S10	Edi-S10UF	Edi-S10UV	Edi-S10UVF
Output	10liters/hour			
Pure water outlet	2: deionized water, ultrapure water			
Ultrapure water quality				
Resistivity(25°C)	18.2MΩ.cm			
TOC*	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1cfu/ml			
Particle(>0.1μm)	<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
Deionized water quality				
TOC*	<30ppb			
Silicone rejection rate	>99.9%			
Feed water requirements	RO water, distilled water, deionized water, 5-45°C, 1atm*			
Electrical requirements	AC110-240V, 50/60Hz			
Standard configuration	Main body (Including 1 set of cartridge)			

Remarks:

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

Edi-S series can be upgraded to touch screen system, just the same as Master to Master Touch.

