



Central series water purification system

Central R2E 250/500 series

Deionized water system (Tap water inlet)

- Central series water purification system integrates pretreatment filter (quartz sand and activated carbon), double stage reverse osmosis membrane, EDI module, 150 liters buffer tank (for 1st stage RO water), 250 liters stainless steel tank (SUS304, for Edi water), pure water supplying and tube circulation system into one body.
- It includes all the components from source water boost to pure water supply. System's output ranges from 250 to 500 liters/hour. And it achieve the aim, providing pure water with the resistivity more than 15 MΩ.cm, in the low running cost. It meets the requirements of pure water for mass production and lab central water supply.
- In additional, ultrapure polishing resin cartridge, UV lamp module, UF module and terminal filter is optional for system upgrade, achieving the ultrapure water standard-18.2MΩ.cm, low TOC value, low bacteria and low endotoxin. It completely meets the highest grade I standard of ASTM, CAP, CLSI, EP and USP.

◆ Features And Advantages

Integration design

Integrating pretreatment filter (quartz sand and activated carbon), double stage reverse osmosis membrane, EDI module, 150 liters buffer tank (for 1st stage RO water), 250 liters stainless steel tank (SUS304, for Edi water), pure water supplying and tube circulation system into one standard product, to avoid big floor space, non-standard design process

Advanced PLC controlling system, comprehensive monitoring and warning function

With PLC controlling system, to control the system's running, monitor and warn every parameter in whole water treatment process, including no feed water, full water, water quality's standard exceeding, abnormal water pressure, water level, flow velocity.

Easy touch screen panel and optional running data storing function

All working status will be shown on the touch screen. And start-up and shut down of the pump and valve can be controlled through the touch screen, button or switch (under the touch screen). Moreover, auto running data storing function through RS232/USB communication port to computer is optional

Reliable safety

Separated design of water and electricity, using mass low-voltage apparatus in the most, multiple alarm function: no feed water, full water, water quality's standard exceeding, electric equipment' protection against overload and short circuit, and so on

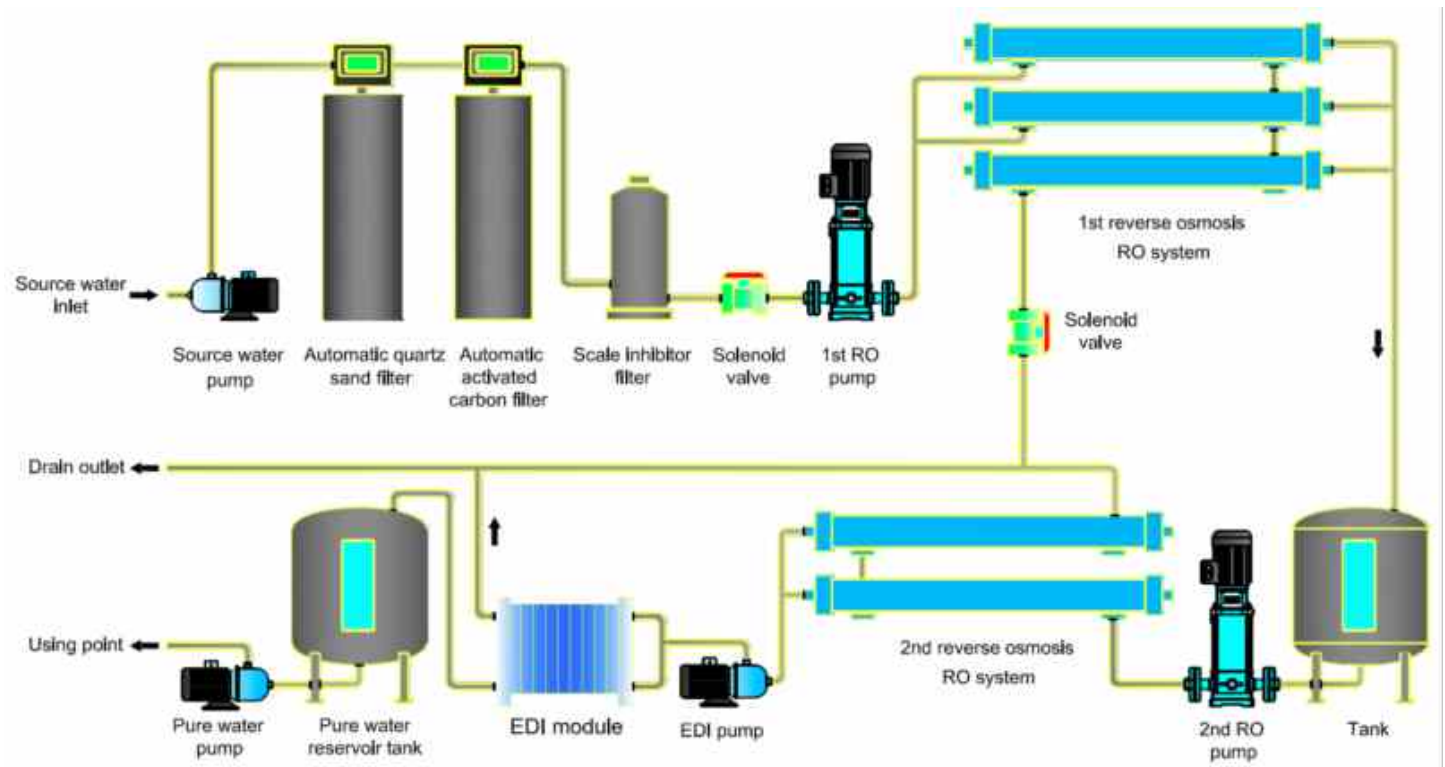
Good extension

Central series' deionized water could be feed water for Smart-D, Master-D and Dura series, to purify and enhance the water quality from 15 to 18.2MΩ.cm, meeting the requirements of the highest grade I standard of ASTM, CAP, CLSI, EP and USP

Integrating pretreatment filter (quartz sand and activated carbon), double stage reverse osmosis membrane, EDI module, 150 liters buffer tank (for 1st stage RO water), 250 liters stainless steel tank (SUS304, for Edi water), pure water supplying and tube circulation system into one body, Central R2E 250/500's output ranges from 250 to 500 liters/hour

The Edi / deionized water's resistivity is more than 15 MΩ.cm, in the low running cost. It meets the requirements of pure water for mass production and lab central water supply

◆ Flow Schematic



◆ Specifications

Model	Central R2E 250	Central R2E 500
Output(25°C)-Edi water*	250 liters/hour	500 liters/hour
Deionized water quality		
Resistivity	>15MΩ.cm	
RO water quality		
Conductivity - 2 nd stage RO water	1-5μs/cm*	
Feed water requirements	Tap water, temperature:5-45°C,pressure:1.0-4.0Kgf/cm ²	
Flow process	Quartz sand+ activated carbon+ micro filter+ 1 st stage RO+ 2 nd stage RO+EDI module	
Dimension and weight	Length×Width×Height: 170×78×180cm/ Weight: about 300Kg	
Electrical requirements	AC380V, 50/60Hz	
Power	6KW	7KW
Standard configuration	Main body (Including 1 set of cartridge)	

Remarks:

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

