



# Center series water purification system

## ◆ Features And Advantages

7.0 inch colorful high-resolution touch screen (16:9) controlling system, achieve finger-touch new experience

3 way online water quality sensor, detect the quality of 1st stage, 2nd stage RO water, deionized water, Edi water or ultrapure water respectively. And warn once water quality's standard exceeding

2 way flow sensor, achieve quantified dispensing of 2nd stage RO water, deionized water, Edi water or ultrapure water

Integrate with EDI module (EDI series), without softener, chemical regeneration and replacing any DI cartridge, Its pure water's resistivity will be above 10MQ.cm(25°C), and TOC is lower than 30ppb

Double stage reverse osmosis technology, assure 2nd RO water quality's stability from different source water

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

All Cartridges replacing alarm function, based on time, or 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 (interval and continuous time setting), extend RO membrane's life

Auto running data storing function with built-in SD card, and data can be exported through the USB interface

Comprehensive Information query and management function, master system status, water quality, cartridges usage and alarm information

System time setting (year/month/day/hour/minute), timing standby (0-60 minute), and timing shutdown (0-24 hour) function

Level II password, protect all the parameters setting, and prohibit any unauthorized setting change

Built-in 20 liters PE tank and 20 liters airtight plastic pressure water tank. Also external tanks is optional

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

Detachable water collector design, store water-drop to avoid water's splashing, and convenient for cleaning

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

Ultrapure 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

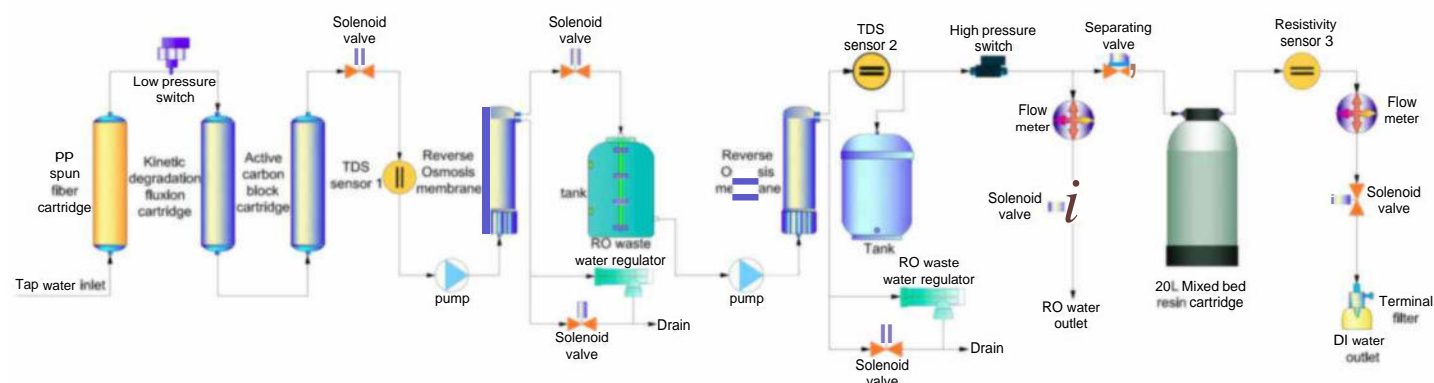
0.2pm high flux PES terminal disinfection filter, assure that terminal pure water is absolutely axenic



# Center series deionized water system (tap water inlet)

- With 7.0 inch touch screen system, 3 way water quality sensor, 2 way flow sensor for quantified dispensing, and 2 stage RO system, Center series deionized water system is top choice of deionized water for general grade experiments.
- With tap water inlet, its output ranges from 45 to 90 liters/hour. It can produce 2<sup>nd</sup> stage RO water and deionized water. The 2nd stage RO water's conductivity can stay 1-5 $\mu$ s/cm, and the deionized water's resistivity absolutely reaches to 10M $\Omega$ .cm. It completely meets the requirements of general chemical or biological experiments for pure water.

## ◆ Flow Schematic



## ◆ Specifications

| Model   | Center 45D  | Center 60D     | Center 90D     |
|---|---|----------------|----------------|
| Output -2nd stage RO water*                   | 45 liters/hour  | 60 liters/hour | 90 liters/hour |
| Output -deionized water*                      | Up to 2 liters/minute (when tank is full)   |                |                |
| Deionized water quality                       |   |                |                |
| Resistivity                                   | >10M $\Omega$ .cm   |                |                |
| Bacteria                                      | <0.1cfu/ml  |                |                |
| Particle(>0.2 $\mu$ m)                        | <1/ml   |                |                |
| RO water quality                              |   |                |                |
| Conductivity - 1 <sup>st</sup> stage RO water | Feed water conductivity $\times$ 5%*  |                |                |
| Conductivity - 2 <sup>nd</sup> stage RO water | 1-5 $\mu$ s/cm*   |                |                |
| Feed water requirements                       | Tap water, temperature:5-45 $^{\circ}$ C,pressure:1.0-4.0Kgf/cm <sup>2</sup>                  |                |                |
| Dimension and weight                          | Length $\times$ Width $\times$ Height: 610 $\times$ 585 $\times$ 1580mm / Weight: about 70Kg  |                |                |
| Electrical requirements                       | AC110-240V, 50/60Hz   |                |                |
| Power   | 480W  |                |                |
| Standard configuration                        | Main body (Including 1 set of cartridge)+built-in 20 liters PETankand 20 liters pressure tank |                |                |

### Remarks:

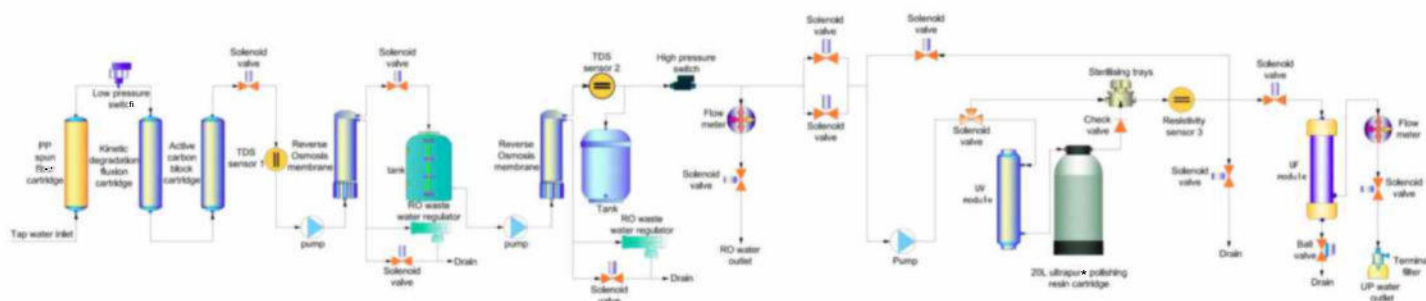
\*The value will be influenced by temperature and feed water's quality.



# Center series ultrapure water system (tap water inlet)

- With 7.0 inch touch screen system, 3 way water quality sensor, 2 way flow sensor for quantified dispensing, and 2 stage RO system, Center series ultrapure water system is top choice of ultrapure water for high grade experiments.
- With tap water inlet, its output ranges from 45 to 90 liters/hour. It can produce 2nd stage RO water and ultrapure water. The 2<sup>nd</sup> stage RO water's conductivity can stay 1-5 $\mu$ S/cm, and the ultrapure water's resistivity absolutely reaches to 18.2M $\Omega$ .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     |
|---|---|-----------------------|------------------|------------------|
|   | Center 45/60/90   | Center 45/60/90F      | Center 45/60/90V | Center45/60/90FV |
| Output -2 <sup>nd</sup> stage RO water*       | 45series-45 liters/hour, 60 series-60 liters/hour, 90 series-90 liters/hour |                       |                  |                  |
| Output -ultrapure water                       | Up to 2 liters/minute (when tank is full)                                   |                       |                  |                  |
| Ultrapure water quality                       |   |                       |                  |                  |
| Resistivity(25°C)                             | 18.2M $\Omega$ .cm  |                       |                  |                  |
| TOC*  | <10ppb<10ppb<3ppb<3ppb  |                       |                  |                  |
| Bacteria                                      | <0.1cfu/ml  |                       |                  |                  |
| Particle(>0.2 $\mu$ m)                        | <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/pl               | N/A              | <4pg/pl          |
| RO water quality                              |   |                       |                  |                  |
| Conductivity - 1 <sup>st</sup> stage RO water | Feed water conductivity×5%*   |                       |                  |                  |
| Conductivity - 2 <sup>nd</sup> stage RO water | 1-5ps/cm*   |                       |                  |                  |



|                         |   |
|-------------------------|---|
| Feed water requirements | Tap water, temperature:5-45℃,pressure:1.0-4.0Kgf/cm <sup>2</sup>                                |
| Dimension and weight    | Length × Width × Height: 610×585×1580mm / Weight: about 75Kg                                    |
| Electrical requirements | AC110-240V, 50/60HZ   |
| Power                   | 480W  |
| Standard configuration  | Main body (Including 1 set of cartridge)+built-in 20 liters PE tank and 20 liters pressure tank |

**Remarks:**

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

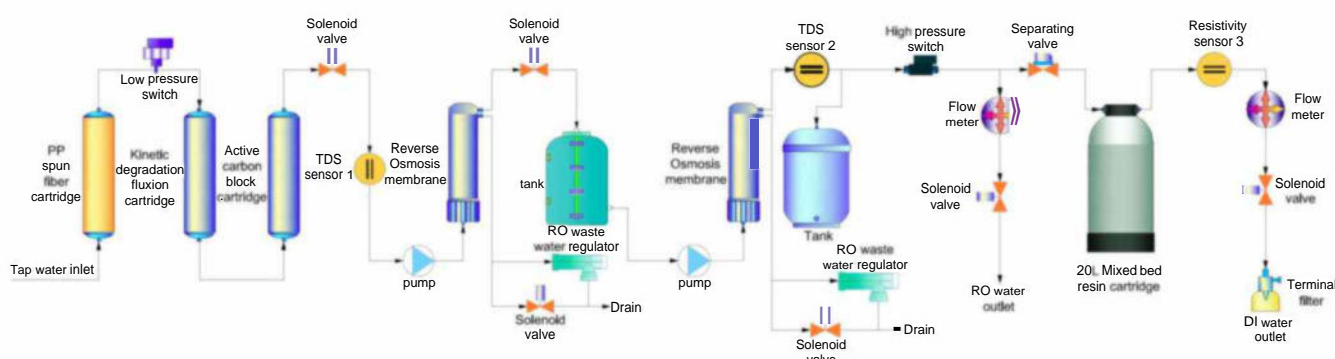




# Center-EDI series deionized water system (tap water inlet)

- With 7.0 inch touch screen system, 3 way water quality sensor, 2 way flow sensor for quantified dispensing, 2 stage RO system and EDI module, Center-EDI series deionized water system is top choice of deionized water for general grade experiments.
- With tap water inlet, its output ranges from 45 to 90 liters/hour. It can produce 2nd stage RO water and deionized water. The 2nd stage RO water's conductivity can stay 1-5ps/cm, and the deionized water's resistivity absolutely reaches to 10MQ.cm. It completely meets the requirements of general chemical or biological experiments for pure water

## ◆ Flow Schematic



## ◆ Specifications

| Model   | Center- EDI   | 45DCenter-EDI  | 60DCenter-EDI 90D |
|---|---|----------------|-------------------|
| Output -EDI water*                            | 45 liters/hour  | 60 liters/hour | 90 liters/hour    |
| EDI water quality                             |   |                |                   |
| Resistivity                                   | >10MΩ.cm  |                |                   |
| TOC*  | <30ppb  |                |                   |
| Silicone rejection rate                       | >99.9%  |                |                   |
| Bacteria                                      | <0.1cfu/ml  |                |                   |
| Particle(>0.2μm)                              | <1/ml   |                |                   |
| RO water quality                              |   |                |                   |
| Conductivity - 1ststage RO water              | Feed water conductivity×5%*   |                |                   |
| Conductivity - 2 <sup>nd</sup> stage RO water | 1-5ps/cm*   |                |                   |
| Feed water requirements                       | Tap water, temperature:5-45℃,pressure:1.0-4.0Kgf/cm <sup>2</sup>                                |                |                   |
| Dimension and weight                          | Length × Width × Height: 610×585×1580mm / Weight: about 70Kg                                    |                |                   |
| Electrical requirements                       | AC110-240V, 50/60HZ   |                |                   |
| Power   | 480W  |                |                   |
| Standard configuration                        | Main body (Including 1 set of cartridge)+built-in 20 liters PE tank and 20 liters pressure tank |                |                   |

### Remarks:

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

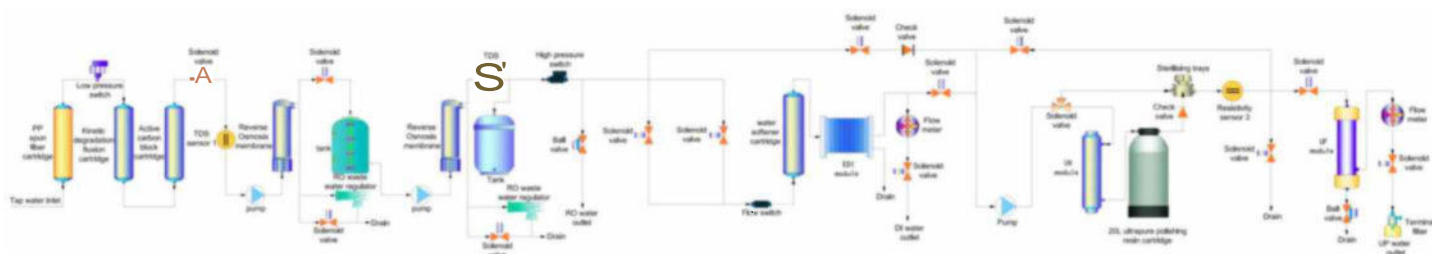




# Center-EDI series ultrapure water system (tap water inlet)

- With 7.0 inch touch screen system, 3 way water quality sensor, 2 way flow sensor for quantified dispensing, 2 stage RO system and EDI module, Center-EDI series ultrapure water system is top choice of ultrapure water for high grade experiments.
- With tap water inlet, its output ranges from 45 to 90 liters/hour. It can produce deionized water and ultrapure water. The deionized water's resistivity is above 10 MΩ.cm, 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          |
|-------------------------|---|-----------------------|----------------------|-----------------------|
|                         | Center-EDI 45/60/90   | Center-EDI 45/60/90F  | Center-EDI 45/60/90V | Center-EDI 45/60/90FV |
| Output -EDI water*      | 45series-45 liters/hour, 60 series-60 liters/hour, 90 series-90 liters/hour |                       |                      |                       |
| Output -ultrapure water | Up to 2 liters/minute (when tank is full)                                   |                       |                      |                       |
| Ultrapure water quality |   |                       |                      |                       |
| Resistivity(25℃)        | 18.2MΩ.cm   |                       |                      |                       |
| TOC*                    | <10ppb  | <10ppb                | <3ppb                | <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/pl               | N/A                  | <4pg/pl               |
| EDI water quality       |   |                       |                      |                       |
| Resistivity             | >10MΩ.cm  |                       |                      |                       |
| TOC*                    | <30ppb  |                       |                      |                       |
| Silicone rejection rate | >99.9%  |                       |                      |                       |



|   |   |
|---|---|
| RO water quality                              |   |
| Conductivity - 2 <sup>nd</sup> stage RO water | Feed water conductivityx5%*   |
| Conductivity - 1 <sup>st</sup> stage RO water | 1-5µs/cm*   |
| Feed water requirements                       | Tap water, temperature:5-45℃,pressure:1.0-4.0Kgf/cm <sup>2</sup>                                |
| Dimension and weight                          | Length × Width × Height: 610×585×1580mm / Weight: about 75Kg                                    |
| Electrical requirements                       | AC110-240V, 50/60Hz   |
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| Standard configuration                        | Main body (Including 1 set of cartridge)+built-in 20 liters PE tank and 20 liters pressure tank |

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