



Dura series water purification system

◆ Features And Advantages

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

Built-in 3 pump- 1st stage RO pump, 2nd stage RO pump and circulating sanitizing pump

Built-in 58 liters PE tank and 10 liters airtight plastic pressure water tank

4 door and easy-to-replacing cartridge design, convenient to maintain system and replace cartridges

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, 2nd RO water, and 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

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: 0.1-18.2MΩcm)

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

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 182 MΩcm, 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

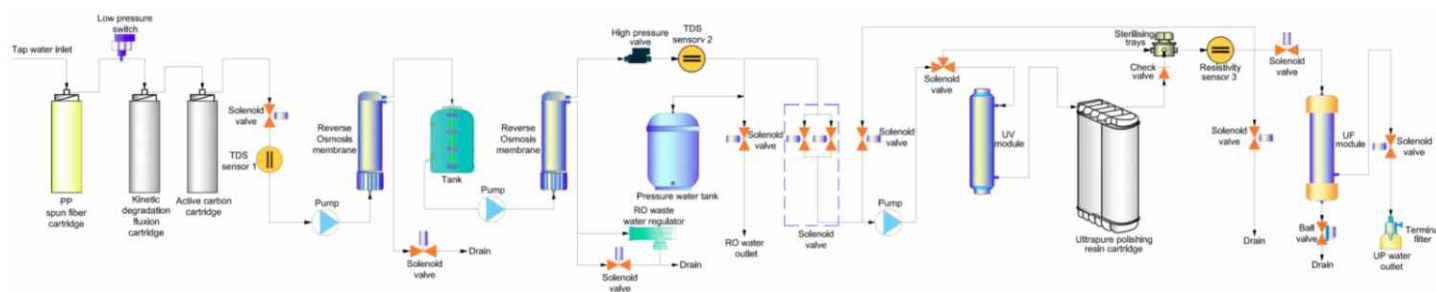
(045+01)μm double layer PES terminal disinfection filter, assure that terminal pure water is absolutely axenic



Dura 12/24 series ultrapure water system (tap water inlet)

- With LCD controlling system, 3 way water quality sensor, built-in 2 water tanks, 3 pump, and 2 stage RO system, Dura 12/24 series is sub-top choice of ultrapure water for high grade experiments.
- With tap water inlet, its output ranges from 12 to 24 liters/hour. It can produce 2nd stage RO water and ultrapure water. The 2nd stage RO water's conductivity can stay 1-5µs/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
	Dura 12	Dura 12F	Dura 12V	Dura 12FV
	Dura 24	Dura 24F	Dura 24V	Dura 24FV
Output -2nd stage RO water*	12 or 24 liters/hour			
Output -ultrapure water	Up to 2 liters/minute (when tank is full)			
Ultrapure water quality	18.2MΩ.cm			
Resistivity(25°C)				
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
RO water quality				
Conductivity - 1 st stage RO water	Feed water conductivity×5%*			
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
Dimension and weight	Length×Width×Height:545×470×610mm / Weight: 25Kg
Electrical requirements	AC110-240V, 50/60Hz
Power	240W
Standard configuration	Main body (Including 1 set of cartridge)+built-in 12 liters pressure tank

Remarks:

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

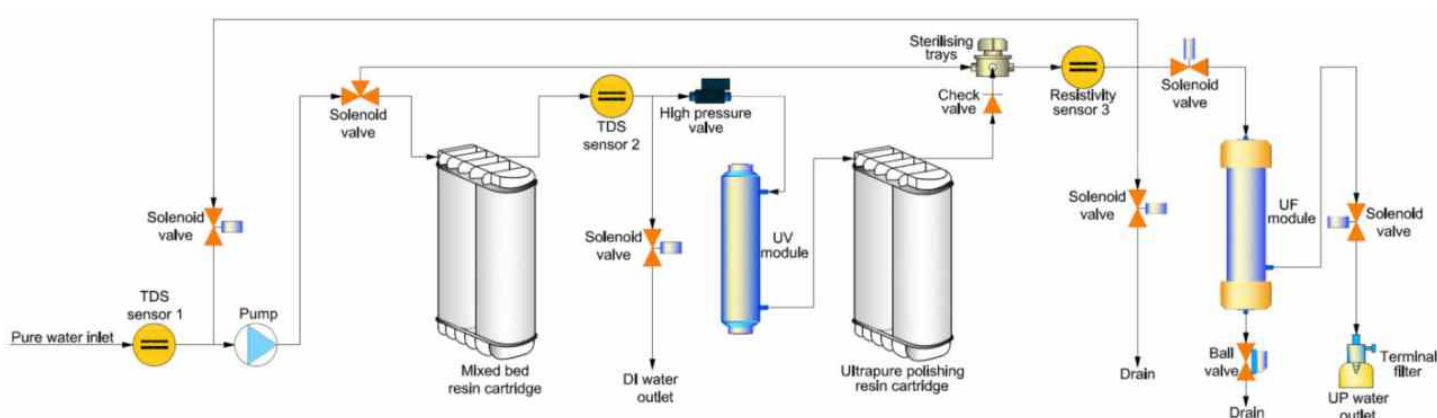




Dura series ultrapure water system (distilled water inlet)

- With LCD controlling system, 3 way water quality sensor, Dura series is sub-top choice of ultrapure water for high grade experiments.
- With pure water or distilled water inlet, its output is up to 2 liters/minute. It can produce deionized water and ultrapure water. The deionized water's resistivity is above 16MΩ.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
	Dura	Dura F	Dura V	Dura FV
Output -ultrapure water	Up to 2 liters/minute (when tank is full)			
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				
Resistivity(25°C)	> 16MΩ.cm			
Feed water requirements	RO water, distilled water, deionized water, 5-45°C, 1atm*			
Dimension and weight	Length×Width×Height: 545×470×610mm / Weight: 20Kg			
Electrical requirements	AC110-240V, 50/60Hz			
Power	240W			
Standard configuration	Main body (Including 1 set of cartridge)			



Remarks:

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

