

# Water Purification System Model-Super-WPS-3010



## ▶▶▶ Application

HPLC, GC-MS, ICP-AES, ICP-MS, AAS, GF-AAS, TOC analysis, IC, Electrochemistry, Organic and inorganic trace analysis, Molecular biology, microbiology, PCR analysis, DNA and RNA analysis, Cell culture, Cell and cultivation medium preparation, Monoclonal antibody production, Feed water.

## ▶▶▶ Features

- ◆ 7.0 inch colorful high-resolution touch screen (16:9) controlling system, achieve finger-touch new experience.
- ◆ 4 way online water quality sensor, detect the quality of feed water, 2nd stage RO water, Edi water and ultrapure water respectively.  
And warn once water quality's standard exceeding.
- ◆ 3 way flow sensor, count source water consumption and achieve quantified dispensing of Edi and ultrapure water.
- ◆ Integrate with Ionpure EDI module, the maximum output is 240 liters per day.
- ◆ Built-in independent online TOC monitor module (Super-TOC).
- ◆ 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.
- ◆ All Cartridges replacing alarm function, based on time, flux and water quality, show cartridges' used and residual life.
- ◆ Multiple alarm function: no feed water, full water, water quality's standard exceeding, cartridge life ending and leakage.
- ◆ 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.
- ◆ System continuous upgrading function through USB interface, and WIFI module is optional.
- ◆ Built-in perpetual calendar clock for cartridges and service setting.
- ◆ 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.
- ◆ Attached 50 liters water tank with conical bottom, including air filter, to prevent co2 and bacteria. Also external tanks is optional.
- ◆ Whole plastic shell with high-strength, avoid rusting and keep clean, to meet GLP standard.
- ◆ 4 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.
- ◆ 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.
- ◆ (0.45±0.1)μm double layer PES terminal disinfection filter, assure that terminal pure water is absolutely axenic.

## ►►► Technical Specification

Resistivity:	18.25MΩ.cm
TOC:	<3 ppb
Bacteria:	<0.1cfu/ml
Particles (> 0.1µm):	<1/ml
Endotoxin:	<0.001Eu/ml
Ribonucleases (RNases)	<0.01ng/ml
DNase (DNases)	<4pg/µl
Output (25 °C)****	10 liter/hour
Flow rate:	2.0 liters/ min (with pressure tank)
Outlet (touch key-press) :	EDI water, UP water
Dimension/weight:	LxWxH:545x470x639cm/ about25Kg
Electric supply:	220V, 50Hz, 240W
Environmental temperature	5°C -45°C

## ►►► Regulatory compliances



## ►►► Corporate Social Responsibility

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