



# ***WATER PURIFICATION SYSTEM LWPS-C11***

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Water Purification System LWPS-C11 is top choice of high flux ultrapure water system from tap to ultrapure water, integrating pretreatment, RO and terminal filter into one. Its output ranges up to 90 liters/hour and offers flow rate up to 2 liters/minute (when tank is full). Features with tap water inlet, it can produce second stage RO water and EDI module, center EDI ultrapure water system. The 2nd stage RO water's conductivity can stay 1 to 5  $\mu\text{S}/\text{cm}$ , and the ultrapure water's resistivity is more absolutely to 18.2  $\text{M}\Omega\cdot\text{cm}$ . It completely meets the highest grades and offers ASTM standards. Designed with 7.0 inch touch LCD display, to detect the quality of 3 way water sensor, 2 way flow sensor ultrapure water. Equipped with Ultrafiltration module, effectively eliminate endotoxin and suitable for precise cell cultivating and IVF. It is auto self-flushing of RO membrane function, extend RO membrane life.

## FEATURES

- Water Purification is unique and easy-to-install prefiltration pack system
- Integrate with EDI module, without softener, chemical regeneration and replacing any DI cartridge
- Self-maintenance of the reverse osmosis membrane
- The system recirculates water when the system is not in use in order to maintain water quality
- Built in 20 liters Pressure Tank and 20 liters plastic pressure water tank
- Designed with graphic display clearly indicates all parameters
- 3 doors and easy to replacing cartridge design, convenient to maintain system and replace cartridges
- RO module with DOWs membrane, ensure long life, stable operation and high desalinization rate.
- Designed with multiple alarm function
- Offers data storage and RS 232/USB communication port
- Equipped with range of filters and cartridges are available for the system to match your water requirements of bacteria-free, pyrogen-free or nuclease-free
- Ultrafiltration module, effectively eliminate endotoxin and suitable for precise cell cultivating and IVF
- Easy to maintain and operate

## APPLICATIONS

Water Purification System is used in Molecular biology and life sciences, Animal cells and plant cell culture, Tissue culture, IVF, Electrophoresis, gel analysis, medium preparation etc. across Healthcare, Food & Beverage and Biochemistry microanalysis etc.

## SPECIFICATION

<b>Model</b>	<b>LWPS-C11</b>
Output 2 <sup>nd</sup> stage RO water	90 liters/hour
Output ultrapure water	Up to 2 liters/minute (when tank is full)
Ultrapure Water Quality	Resistivity (25°C) 18.2 M Ω cm
	TOC: < 3ppb
	Bacteria: <0.1 cfu/ml
	Particle (>0.2 μm): <1/ml
	Endotoxin: <0.001EU/ml
	RNases: <1pg/ml
	DNases: <5pg/ml
EDI	Resistivity >10.2 M Ω cm
	TOC: < 30ppb
	Silicone rejection rate: >99.9 %
RO Water Quality	Conductivity 1 <sup>st</sup> stage RO water: Feed water Conductivity ×5 %
	Conductivity 2 <sup>nd</sup> stage RO water: 1 to 5 μs/cm
Feed water requirements	Tap water, Temperature 5 to 45°C, Pressure 1.0 to 4.0 Kg/cm <sup>2</sup>
Dimension	610 × 585 × 1580 mm
Power Consumption	480 W
Power Supply	AC110 to 240 V, 50/60 Hz
Weight	about 75 kg
Standard configuration	Main body (Including 1 set of cartridge) +20 liters Pressure Tank and 20 liters pressure tank