



## ***WATER PURIFICATION SYSTEM LWPS-C10***

## Vertical Autoclave LVA-D1 Series

Water Purification System LWPS-C10 is top choice of high flux ultrapurewater 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 ultrapurewater. The 2nd stage RO water's conductivity can stay 1 to 5  $\mu\text{S}/\text{cm}$ , and the ultrapurewater'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
  - 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-C10</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
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 Kgf/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