



## **DEIONIZED WATER SYSTEM LDIN-A10**

Deionized Water System LD-LDIN-A10 is smallest and most compact lab water system from tap to ultrapure water, integrating pretreatment, RO, DI, UV, UF and terminal filter into one. Its output ranges from 15 to 30 liters/hour and offers flow rate up to 2 liters/minute (with pressure tank). Features with tap water inlet, it can produce single stage RO water and deionized water. The single stage RO water's ion rejection rate is more than 96%, and the deionized water's resistivity is more than 15 MΩ.cm, near to 18.2 MΩ.cm. It completely meets the requirements of general chemical or biological experiments for pure water. Designed with apheliotropic LCD display, to detect the quality of deionized or ultrapure water. Equipped with Ultrafiltration module, effectively eliminate endotoxin and suitable for precise cell cultivating and IVF. Double wavelength (185 & 254 nm) ultraviolet lamp module, restrain bacteria increase and reduce TOC. It is auto self-flushing of RO membrane function, extend RO membrane life.

## Features:

- Designed with microcomputer controlling system and electronic pressure sensor
- Auto self-flushing of RO membrane function, extend RO membrane life
- Equipped with top cap of pretreatment in the case can be rapidly opened to replace the cartridges without opening the case
- Offers 4 independent ultrapure cartridges
- Ultrapure water quality up to 18.2 MΩ.cm, with the lowest TOC level and running cost
- Whole unit with one time injection molding process
- Material used polypropylene, avoid rusting and keep clean, to meet GLP standard
- Designed with apheliotropic LCD display, to detect the quality of deionized or ultrapure water
- Offers attached portable TDS (total dissolved solid) conductivity test pen, with dry cell design, to detect the quality of feed water and RO water
- Double wavelength (185 & 254 nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC
- Ultrafiltration module, effectively eliminate endotoxin and suitable for precise cell cultivating and IVF
- Double layer PES terminal disinfection filter, assure that terminal pure water is absolutely axenic

## Applications:

Deionized Water System is used in general chemical or biological experiments to obtain deionized and RO water across Healthcare, Food & Beverage and Biochemistry microanalysis etc.

## Specification:

Model No.	LD-LDIN-A10
Output	30 liters/hour
Flow rate	Up to 2 liters/minute (with pressure tank)
Pure water outlet	2 reverse osmosis water, deionized water
Deionized Water Quality	Resistivity: 16 to 18.2 M $\Omega$ cm Bacteria: N/A Particle (>0.1 $\mu$ m): N/A
RO Water Quality	Ion rejection rate: 97 % to 99% (new RO membrane) Organic rejection rate: >99 %, when MW >200 Dalton Particles and bacteria rejection rate: >99 %
Feed water requirements	Tap water, Temperature 5 to 45°C, Pressure 1.0 to 4.0 Kgf/cm <sup>2</sup>
Dimension	410 × 220 × 420 mm
Power Consumption	72 W
Power Supply	AC100 to 240 V, 50/60 Hz
Weight	about 18 kg
Standard configuration	Main body (Including 1 set of cartridge) +15 liters pressure tank+ TDS/conductivity test pen