



*Deionized Water  
System*

*LD-LDIN-A20*

## Deionized Water System LD-LDIN-A20

Deionized Water System LDIN-A20 is water system type economic choice of deionized water for general grade experiments. Designed with LCD controlling system, 2 way water quality sensors, timing and quality dispensing, single stage RO system, 1 pump, and built-in 12 liters tank. Its output ranges from up 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 97%, and the deionized water's resistivity is more than 16 MΩ.cm, near to 18.2 MΩ.cm. It completely meets the requirements of general chemical or biological experiments for pure water. Equipped with Ultrafiltration module, effectively eliminate endotoxin and suitable for precise cell cultivating and IVF. Offers 3 kind of status lamp-running, alarm and full water, convenient to know system status. 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 3 kind of status lamp-running, alarm and full water, convenient to know system status
- Built-in 12 liters pressure water tank, save laboratory space, easier for installation and maintenance
- Offers 2 way online water quality sensor, detect the quality of RO water, deionized water, or ultrapure water
- Level II password, protect all the parameters setting, and prohibit any unauthorized setting change
- 4 in 1 ultrapure cartridge (can be divided to 4 independent cartridge) with DOW's top polishing resin, ensure ultrapure water quality
- 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 plastic shell with high-strength, avoid rusting and keep clean, to meet GLP standard
- Designed with apheliotropic LCD display, to detect the quality of deionized or ultrapure water
- Offers tube and adapter with NSF authorization and top quality, reduce TOC level and assure ultrapure water's quality
- 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.

### Specifications:

| Model No.               | LD-LDIN-A20   |
|-------------------------|---|
| 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<br>Bacteria: N/A<br>Particle (>0.1 $\mu$ m): N/A                  |
| RO Water Quality        | Ion rejection rate: 97 % to 99% (new RO membrane)<br>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               | 340 × 500 × 560 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) +12 liters pressure tank         |

