



**TYPE II WATER
PURIFICATION SYSTEM
LD-LTWP-C10**

Type II Water Purification System LD-LTWP-C10

Type II Water Purification System LD-LTWP-C10 has an 80 L water tank capacity, modular design with UV lamp which meets the needs of basic laboratory water purifier. LCD display, micro-computer controlled with fully automatic control over the whole process like automatic water preparation, when water tank is full automatically stops the system and cut off the power and water. Built-in RO membrane antiscaling, times automatic flush procedures, manual RO membrane cleaning button. Water resistance on-line monitoring with high-capacity ultra-purification resin cartridge system which effectively removes the trace ions in water. It is designed to deliver compliant purified water with clear quality parameters and care free maintenance. Equipped with easily replaceable filters.

Features

- Multi-step purification combines pre-treatment, reverse osmosis, deionization, UV oxidation and ultra-purification by ion exchange resins
- An advanced and fully automatically controlled system
- $\geq 80\text{L/h}$ of water production rate and Delivery flow rate of 10 L/min @ 22 psi (1-5 bar)
- Pre-treatment system to filtering out impurities, to reduce inlet water turbidity and prevents RO membrane fouling
- RO system to remove all kinds of salt ions, organics, bacteria and virus in water, effective desalination and sterilization up to 99% rate
- With dedicated pure water pump, to intake ultrapure water, its speed can up to 10 litres per minute;
- LCD display and on-line monitoring of water resistance
- 254 nm UV lamp, removes bacteria from system

Application

Type II water purification system is used for electrochemistry, sample dilution, media and buffer preparation, glassware washing, Type 1 Water system feed and clinical analysers.

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Specifications

Model No.	LD-LTWP-C10
Configuration	Floor type
Water production rate	≥80 L/h @25 °C, Delivery flow rate: 10 L/min @22 psi (1-5 bar)
Resistivity	≥1 MΩ.cm @25 °C
Water tank capacity	80 L
Feed water	Tap water (TDS < 400 ppm allowed) Water pressure: 0.2 - 0.4 MPa Flow: ≥ 1.0 T/H
Feed water temperature	5 - 40 °C
Outer Dimension (L x W x H)	650 x 850 x 1300 mm
Reactive Silica (SiO ₂)	< 0.02 ppm
Oxides [calculated as O]	< 0.08 ppm
TOC	< 20 ppb
Humidity	10% - 80%
Power	1150 W
Power supply	220 V/50 Hz

Standard Accessories

1st 5 μm PP filter x 2 sets

2nd activated carbon filter x 2 sets

3rd 1 μm stage PP filter x 2 sets

Flow Schematic

Tap water → 1st stage 5μmPP filter → 2nd activated carbon filter → 3rd stage 1μmPP filter → Stage I booster pump → Stage I reverse osmosis membrane → Stage II booster pump → Stage II reverse osmosis membrane → UV lamp → Ultra-purification resin cartridge → Purified water tank → Transfer pump → Type II outlet pure water (connect to water equipment)