

# Type I and Type III RO Water Purification System LOTW-B20



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Type I and Type III RO Water Purification System LOTW-B20 is a unit which delivers primary grade water as well as ultra-pure water and has 30 L/hr standard flow rate. Meets the standards of ASTM, CAP and NCCLS. Features like built-in RO membrane antiscalant, ultra purification cartridge, online-monitoring of water resistance, manual water cycling program etc. ensures consistent quality of water. The unit composes of pre-treatment system, RO membrane, Water pump and ultra-purification system. It is majorly required in analytical labs.

## Features

- Micro-computer control
- Anti-scalant for RO membrane, automatic flush, manual cleaning of RO membrane
- Manual water-cycling program, ultrapure water auto-cycle program to maintain the water quality
- On-line monitoring of Water resistance
- High capacity Cartridge of Ultra Purification System.
- 30 L sterile pure water tank

## Pre-treatment System

- Eliminates tiny particles, suspended solids and colloid
- Reduce inlet water turbidity
- Prevents RO membrane from fouling

## RO membrane

- USA imported RO membrane
- Effectively eliminates salt ions, organics, bacteria and virus in water
- Desalination and sterilization rate reaches 99%

## Membrane pure water pump

- Fast speed to intake ultrapure water
- Speed can reach up to 1.5 to 1.8 L/mi

## Ultra-purification system

- With ion exchange resin and special flow design
- Effectively remove the trace ions in water
- Guarantees the stability of water quality

## Applications

It used to obtain ultra-pure water which is required in pharmaceutical, microbiology, genetic, optical, electronics, medical etc. processes.

## Specifications

Model No	LOTW-B20
Water production rate	≥ 30 L/h
Water intake rate:	1.5 to 1.8 L/min
Temperature	5 to 40°C
Humidity	10% to 80%
Feed water	Tap water: 0.15 to 0.4 MPa
	TDS ≤ 400 ppm
	Water temperature: 5 to 40°C
Water quality	Resistivity: 18.25 MΩ.cm at 25°C
	Conductivity: 0.055 μS/cm at 25°C
	Meets ASTM, CAP, NCCLS specifications
Retention rate of silicon	> 99.9 %
TOC	< 20 ppb
Particle (> 0.22μm)	< 2 /ml
Absorbance (254 nm,1cm optical distance)	< 0.001
Reactive Silica (sio2)	< 0.01 ppm
Heavy metal	< 0.01 ppm
Power supply	220 V/50 Hz 450 W
Dimension (L×W×H)	490×550×850 mm