



 **LABTRON**

# **Type I And Type III RO Water Purification System**

**(Double Pass Models)**

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## Type I and Type III RO Water Purification System

Type I and Type III RO Water Purification System LOTW-BI series is an ideal purifier for users who require constant production of Type I and Type III water. It is incorporated with advanced systems like RO and electrodeionization which helps user in controlling the water quality. This combinational system produces Type III water after RO and Type I water after deionization in one cycle. Users can extract Type III water from the tank or Type I water from the dispenser with the help of 2 integrated outlets. It's designed to deliver compliant purified water with clear quality parameters and care free maintenance

### Features

- ◆ Advanced Double Pass reverse osmosis system for excellent water quality
- ◆ One step purification from tap water to Type I and Type III water
- ◆ Equipped with 30 L / 80 L water holding tank
- ◆ Least TOC level < 3 ppb
- ◆ Source of inlet water - Tap water
- ◆ Equipped with 2 outlets for Type I and Type III water
- ◆ Benchtop / Floor Standing
- ◆ LCD display to display the intake of water pressure and various parameters intuitively
- ◆ Programmed water shortage protection alarm
- ◆ Anti-fouling RO membrane prevention programme
- ◆ Online monitoring of water resistance
- ◆ Ease of cleansing , disinfecting and draining waste water
- ◆ Micro filter membrane to filter out pollutants
- ◆ Automatic RO membrane antiscaling flushing to extend the life of the RO membrane

## Type I and Type III RO Water Purification System

### Specification

Model No	LOTW-B10	LOTW-B11	LOTW-B12
Process	Double Pass RO system	Double Pass RO system	Double Pass RO system
Output of Pure water	≥ 10 L / hr.	≥ 20 L / hr.	≥ 30 L / hr.
Water Type	Type I and Type III	Type I and Type III	Type I and Type III
Water Tank capacity	30 L	30 L	30 L
Configuration	Benchtop	Benchtop	Benchtop
Output of Ultrapure water	≥ 1- 1.5 L / min	≥ 1- 1.5 L / min	≥ 1- 1.5 L / min
Resistivity at 25°C	18.25 M Ω. cm	18.25 M Ω. cm	18.25 M Ω. cm
Conductivity at 25°C	≤ 5 μs / cm	≤ 5 μs / cm	≤ 5 μs / cm
TOC	< 20 ppb	< 20 ppb	< 20 ppb
Pyrogens	< 0.02 EU / ml	< 0.02 EU / ml	< 0.02 EU / ml
Absorbance (254 nm)	≤ 0.001	≤ 0.001	≤ 0.001
Reactive Silica (SiO <sub>2</sub> )	< 0.01 ppm	< 0.01 ppm	< 0.01 ppm
Heavy metal	< 0.01 ppm	< 0.01 ppm	< 0.01 ppm
Electrical requirements	220 V / 50 Hz	220 V / 50 Hz	220 V / 50 Hz
Power	≥ 100 W	≥ 150 W	≥ 200 W
Dimensions (L x W x H)	340 x 550 x 530 mm	340 x 550 x 530 mm	340 x 550 x 530 mm
Weight	39 kg	39 kg	39 kg

## Type I and Type III RO Water Purification System

### Specification

Model No	LOTW-B13	LOTW-B14
Process	Double Pass RO system	Double Pass RO system
Output of Pure water	≥ 40 L / hr.	≥ 50 L / hr.
Water Type	Type I and Type III	Type I and Type III
Water Tank capacity	80 L	80 L
Configuration	Floor Standing	Floor Standing
Output of Ultrapure water	≥ 1- 1.5 L / min	≥ 1- 1.5 L / min
Resistivity at 25°C	18.25 M Ω. cm	18.25 M Ω. cm
Conductivity at 25°C	≤ 5 μs / cm	≤ 5 μs / cm
TOC	< 20 ppb	< 20 ppb
Pyrogens	< 0.02 EU / ml	< 0.02 EU / ml
Absorbance ( 254 nm )	≤ 0.001	≤ 0.001
Reactive Silica ( SiO <sub>2</sub> )	< 0.01 ppm	< 0.01 ppm
Heavy metal	< 0.01 ppm	< 0.01 ppm
Electrical requirements	220 V / 50 Hz	220 V / 50 Hz
Power	≥ 200 W	≥ 350 W
Dimensions ( L x W x H )	340 x 550 x 530 mm	340 x 550 x 530 mm
Weight	39 kg	39 kg



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