



LABTRON



UV Water Purification System

(Double Pass Models)

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UV WATER PURIFICATION SYSTEM

UV Water Purification System LUVW-B1 series is a 30 L / 80 L capacited revolutionary, modular design integrated with deionization cartridge, storage tank and UV sterilizer which helps in elimination of large amount of salts and other minerals from water using 2 stages of RO with TOC level of < 10 ppb. The highlight feature is the UV sterilizer which destroys the DNA of micro-org making the water contamination free. Here the concentrate or reject stream is fed into a second RO system to maximize water recovery. 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
- 2 levels of water purification with high recovery rate
- Online monitoring of water resistance
- Inbuilt UV sterilizer
- Equipped with 30 L / 80 L water holding tank
- Source of inlet water – Tap water
- Benchtop / Floor Standing
- Least TOC level < 3ppb
- LCD display to monitor the intake of water pressure and various parameters intuitively
- Programmed water shortage protection alarm
- Anti-fouling RO membrane prevention programme
- Integrated built in Deionization cartridge
- 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

Specification

Model No	LUVW-B10	LUVW-B11	LUVW-B12
Output of Pure water	≥ 10 L / hr.	≥ 20 L / hr.	≥ 30 L / hr.
Process	Double Pass RO system	Double Pass RO system	Double Pass RO system
Configuration	Benchtop	Benchtop	Benchtop
Water Tank capacity	30 L	30 L	30 L
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	< 10 ppb	< 10 ppb	< 10 ppb
Pyrogens/Endotoxins	< 0.025 EU / ml	< 0.025 EU / ml	< 0.025 EU / ml
Bacteria	< 1 cfu / ml	< 1 cfu / ml	< 1 cfu / ml
Particles (> 0.22 μm)	< 1 / ml	< 1 / ml	< 1 / ml
Absorbance (254 nm)	≤ 0.001	≤ 0.001	≤ 0.001
Reactive Silica (SiO ₂)	< 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	≥ 150 W	≥ 200 W	≥ 450 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	41 kg	41 kg	41 kg

Specification

Model No	LUVW-B13	LUVW-B14
Output of Pure water	≥ 40 L / hr.	≥ 50 L / hr.
Process	Double Pass RO system	Double Pass RO system
Configuration	Floor standing	Floor Standing
Water Tank capacity	80 L	80 L
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	< 10 ppb	< 10 ppb
Pyrogens / Endotoxins	< 0.025 EU / ml	< 0.025 EU / ml
Bacteria	< 1 cfu / ml	< 1 cfu / ml
Particles (> 0.22 μm)	< 1 / ml	< 1 / ml
Absorbance (254 nm)	≤ 0.001	≤ 0.001
Reactive Silica (SiO ₂)	< 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	≥ 450 W	≥ 550 W
Dimensions (L x W x H)	340 x 550 x 530 mm	340 x 550 x 530 mm
Weight	41 kg	41 kg



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