

 LABTRON



# UV Water Purification System

(Single Pass Models)

[www.labtron.com](http://www.labtron.com)

[info@labtron.com](mailto:info@labtron.com)

## UV WATER PURIFICATION SYSTEM

UV Water Purification System LUVW-A1 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 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. These systems produce and reject water at the same time. It's designed to deliver compliant purified water with clear quality parameters and care free maintenance.

### Features

- Advanced Single Pass reverse osmosis system for excellent water quality
- Equipped with 30 L / 80 L water holding tank
- Type III level water produced
- Source of inlet water – Tap water
- Benchtop / Floor Standing
- LCD display to monitor the intake of water pressure and various parameters intuitively
- 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

## Specification

Model No	LUVW-A10	LUVW-A11	LUVW-A12
Output of Pure water	≥ 10 L / hr.	≥ 20 L / hr.	≥ 30 L / hr.
Process	Single Pass RO system	Single Pass RO system	Single 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	≤ 10 μs / cm	≤ 10 μs / cm	≤ 10 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 <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	32 kg	32 kg	32 kg

## Specification

Model No	LUVW-A13	LUVW-A14
Output of Pure water	≥ 40 L / hr.	≥ 50 L / hr.
Process	Single Pass RO system	Single 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	≤ 10 μs / cm	≤ 10 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 <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	32 kg	32 kg



**Labtron Equipment Ltd.**

**Basing View, Basingstoke, Hampshire RG21 4RG, UK**

**Phone: +442080043587**

**[info@Labtron.com](mailto:info@Labtron.com) | [www.Labtron.com](http://www.Labtron.com)**