

LAB WATER PURIFICATION SYSTEM – MODEL 0021-0024

DESCRIPTION:

The Lab Water Purification System produces ultrapure water from reverse osmosis (RO), distillation or deionized water. The ultrapure water meets or exceeds ASTM, CLSI, CAP, and ISO Type I water standards. The system includes a purification cartridge, 0.2 micron PES capsule filter and a 185/254nm dual wavelength UV lamp.

FEATURES:

- Automatic system recirculation every hour to prevent bacteria from growing inside the system
- Large capacity ultra-purification cartridges contain uniquely formulated ion resin and fine activated carbon to ensure long useful life and a low running cost
- A 0.2 micron final filter removes any remaining contaminants
- A dual UV lamp eliminates bacteria and reduces organics to trace level
- Volumetric dispensing and calibration for easy dispensing of ultrapure water
- Real time resistivity measurement by a high precision resistivity meter (conductivity cell constant 0.01cm⁻¹)
- Alarms when consumables reach the end of life
- Small compact footprint occupies minimal space and is easy to move around with an ergonomically designed handle

STANDARDS:

- CE Marked and FCC Certified
- Manufactured in an ISO9001:2008 Certified Facility



SPECIFICATIONS	
Model	0021-0024
Operating Voltage	110V
Feed Water Requirements	
Feed Water	EDI Water, RO Water, Distilled Water, Deionized Water
Operating Temperature	5-45°C
Feed Water Pressure*	0-15 PSI (0-1 Bar)
Product Water Quality	
Production Rate at 25°C	1.0-1.5 L/min
Resistivity at 25°C	18.2 MΩ.cm
TOC Level**	<5 ppb
Particles (>0.2 micron)	<1/mL
Microorganisms	<1cfu/mL***
Pyrogens (Endotoxin)	<0.001 EU/mL
Dimensions/Weights	
Dimensions (W x D x H)	8" x 13¾" x 17¾"
Net / Operating Weight	16 / 26 Lbs.

* It is recommended to use a pressure regulator if feed water pressure is above 15 PSI (1 bar).

** When ROC level of feed water is <50 ppb.

ACCESSORIES	
20-0054	P1 Prefiltration Filter Cartridge (RO Feed)
20-0055	P2 Prefiltration Filter Cartridge (DI Feed)
20-0048	0.2 Micron PES Capsule Final Filter
0076NW135B1	UV Lamp, 185/254 NM Dual Wavelength