

LABORATORY WATER PURIFICATION SYSTEM

Specifications:-

- Output performance for purified water: Up to 8 L/hr.
- Water dispensing flow rate: Up to 1.0 L/min.
- Volume-controlled dispensing.
- Volume accuracy: $\pm 3\%$
- TOC content⁴ (system with UV lamp) < 5 ppb
- Bioburden (microorganisms)⁵ < 1 CFU/1,000 mL
- Particle content $> 0.2 \mu\text{m}$ ⁵ $< 1/\text{mL}$
- Typical ion retention – Up to 98%
- Retention of dissolved organic substances (MW > 300 daltons) – $> 99\%$
- Particle and microorganism retention – $> 99\%$
- Purification Methods: Adsorption (spherical activated carbon), Catalyst, Reverse osmosis, Ion exchange, UV irradiation and Point-of-use particle-removing/sterile filtration.
- Operating temperature: $2^{\circ}\text{C} - 35^{\circ}\text{C}$ at max.
- Storage temperature: $5^{\circ}\text{C} - 45^{\circ}\text{C}$ at max.