

Deluxe-P Series



Introduction

The Deluxe-P system represents the pinnacle of laboratory water purification technology. Starting with a pure water source, it produces ultrapure water with an industry-leading resistivity of 18.2MQ.cm @25 °C and TOC levels ≤5ppb, meeting the demanding requirements of modern laboratory applications.

Features

1. Intelligent Control System

- Large 7-inch HD touchscreen display
- Continuous monitoring of critical parameters
- Smart consumables tracking with RFID technology
- RS232 connectivity for remote operations

2. Advanced Design & Construction

- High-grade ABS housing with superior chemical resistance
- Innovative water-electricity isolation design
- Tool-free cartridge replacement system

3. Comprehensive Quality Control

- Continuous water quality monitoring
- UV lamp for bacterial removal
- Self-cleaning ultrafiltration technology
- One-touch sanitization function for entire system

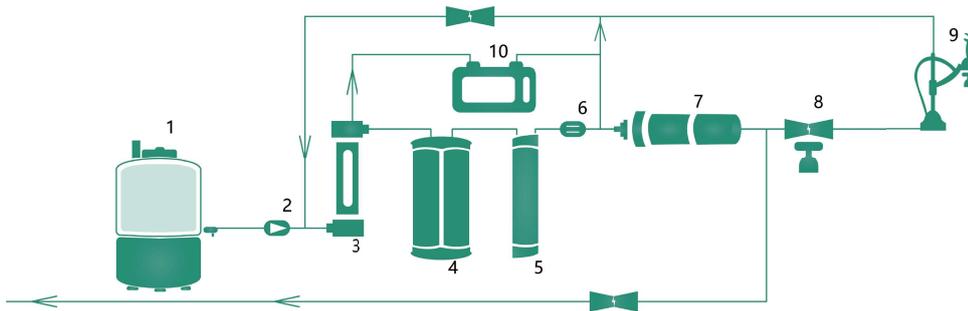
4. Ergonomic Dispensing System

- Extended 3-meter dispensing arm
- Variable flow rate control
- Optional biological filter for nuclease removal
- Full 360° swivel functionality
- Integrated quality monitoring display

Configuration

Deluxe-P system	Deluxe-P	Deluxe-PT
Storage tank 30L	<input type="checkbox"/>	<input type="checkbox"/>
UV Lamp	<input type="checkbox"/>	<input type="checkbox"/>
Ultra-purification cartridge	<input type="checkbox"/>	<input type="checkbox"/>
Ultrafiltration cartridge	<input type="checkbox"/>	<input type="checkbox"/>
Point-of-use filter	<input type="checkbox"/>	<input type="checkbox"/>
Air filter net for tank	<input type="checkbox"/>	<input type="checkbox"/>
UV-lamp sterilizer for water tank	<input type="checkbox"/>	<input type="checkbox"/>
Remote water dispenser with color display	<input type="checkbox"/>	<input type="checkbox"/>
TOC monitoring module	\	<input type="checkbox"/>

Deluxe-P



1 Water Tank

2 Ball Valve

3 UV Lamp

4 Purification Module

5 Ultra-Purification Module

6 Conductivity Sensor

7 Ultra-Filtration Cartridge

8 Point-Of-Use Filter

9 Remote Water Dispenser

10 TOC monitor cell



Technical Specifications

Model	Deluxe-P/Deluxe-PT
Feed Water Requirement	
Source	RO, Distilled, DI water (Conductivity <20us/cm)
Pressure	0.1-0.8MPa
Temperature	5-40 °C
Ultrapurification Water(Class I)	
Resistivity At 25 °C	18.2MΩ.cm
Conductivity At 25 °C	0.055us/cm
Flow Rate	1.5-2.0L/min
TOC Level*	1-5ppb
Endotoxin(Pyrogens)**	<0.001EU/ml
Particulate(≥0.02um)	<1pc/ml
Bacteria*	<0.1CFU/ml
Rnase/Dnase**	Free
Electrical Requirements	
Electrical Voltage	110V/220V±10%
Electrical Frequency	50Hz/60Hz
Net weight	
Main units	32kg
Water tank 30L (Optional)	4.5kg
External Dimensions(WxDxH)	
Main units	315*525*570mm
Water tank 30L (Optional)	380*380*595mm
Others	
Remote Water Dispenser	1pc

*Dual wave UV module need to be adopted. Also dependent on feed water, recommended feed TOC<30ppb;

**Ultra-filtration module need to be adopted. Feed water need to be satisfied as above