

Deluxe-E Series



Introduction

The Deluxe-E series is an advanced water purification system designed to produce ASTM Type II pure water through state-of-the-art electrodeionization (EDI) technology. It combines multiple purification stages to deliver consistent and reliable water quality for laboratory applications.

Application

- AAS (Atomic absorption spectrophotometry)
- Buffer and media preparation
- Electrophysiology
- FAAS (Flame atomic absorption spectrophotometry)
- Feed to ultrapure water systems
- General chemistry
- Histology
- Hydrogen generators
- Microbiological analysis
- pH measurement
- Pharmaceutical (according to US and European pharmacopeias)
- RIA(Radioimmunoassay)/ELISA (Enzyme linked immunoabsorbant assay)
- Sample dilution and reagent preparation
- Spectrophotometry
- Stability chambers
- Surface tension experiments
- Water analysis
- Weatherometers

Features

1. Advanced EDI Technology

- Integrated EDI module for continuous production of high-purity water
- Eliminates the need for frequent resin replacement
- Stable and reliable water quality output
- Cost-effective operation with self-regenerating capability

2. User-Friendly Design

- 7-inch color touch screen interface for intuitive operation
- Real-time monitoring of water quality parameters

- Remote water dispenser with adjustable flow rates
- Flexible dispensing options with 360° rotation capability

3. Superior Purification Performance

- Multi-stage filtration system including RO and EDI technology
- High-capacity pretreatment columns
- Premium Dow RO membranes for optimal performance

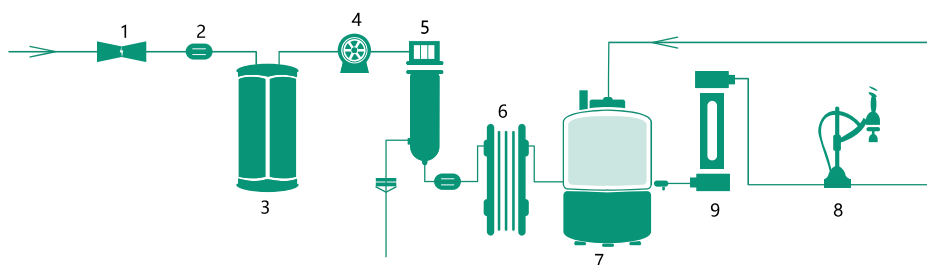
4. Smart Features

- Automated system control and monitoring
- Remote control capabilities via RS232 interface
- Intelligent consumables management with RFID technology
- One-click sanitization function

5. Quality Assurance

- Meets ASTM Type II water quality standards
- Multiple quality sensors with temperature compensation
- Real-time resistivity monitoring
- Comprehensive water quality validation

Deluxe-E



1 Solenoid Valve

2 Conductivity Sensor

3 Pre-treatment Module

4 Boost Pump

5 RO Module

6 EDI Module

7 Water Tank

8 Remote Water Dispenser

9 UV lamp



Technical Specifications

Model	Deluxe-E
Feed Water Requirement	
Source	Tap water
Conductivity*	<2000us/cm
Hardness**	<450ppm as CaCO ₃
Pressure	0.05-0.5MPa(7-72psi)
Temperature	5-40 ℃
Pure Water(Class III)	
Conductivity	1-20us/cm
Productivity Rate	30L/h
High Purified Water(Class II)	
Resistivity At 25 ℃	10MΩ.cm
TOC	<30ppb
Dissolved Organic	<0.1ppm
Productivity Rate	15L/h
Electrical Requirements	
Electrical Voltage	110V/220V±10%
Electrical Frequency	50HZ/60HZ
Net Weight	
Main units	32kg
Water tank (30L)	7kg
Dimensions(W*D*H)	
Main units	314*525*570mm
Water tank (30L)	380*380*595mm

*If feed water quality is poor(Conductivity > 1000us/cm), 3 class strengthened pretreatment module and RO-2 type is highly recommended;

**When hardness of feed water is high(>450ppm as CaCO₃), 0.5T water soften tank is recommended