

HydroMax-E-100/150



Introduction

The HydroMax-E-100/150 is a high-performance water purification system designed to produce ASTM Type II water for laboratory and research applications. This advanced system combines innovative technology with user-friendly features to deliver consistent, high-quality purified water.

Application

The HydroMax-E-100/150 is specifically designed for laboratories requiring ASTM Type II water quality. It serves a wide range of applications including:

- Laboratory Analysis: Atomic absorption spectrophotometry, spectrophotometry, and general chemistry
- Life Sciences: Buffer preparation, media preparation, and microbiological analysis
- Clinical Applications: ELISA, RIA, and pharmaceutical applications
- Quality Control: Water analysis, stability testing, and surface tension experiments
- Specialized Equipment: Feed water for ultrapure water systems and hydrogen generators

Features

The HydroMax-E-100/150 offers an optimal combination of reliability, efficiency, and user-friendly operation. Its advanced features, compact design, and comprehensive application range make it an ideal choice for modern laboratory environments requiring consistent, high-quality purified water.

1. Smart Touch Screen Control System

- 8.0-inch color touch screen interface
- Real-time monitoring of multiple parameters including tank water level
- Intelligent automated operation
- Consumables life monitoring and alarm system

2. One-Click Sterilization

- Innovative one-button sterilization feature
- Complete sanitization of RO membrane, circulation pipeline, and water tank
- Ensures consistent water quality and system hygiene

3. Compact Design with Integrated Storage

- Space-efficient vertical design with built-in 60L PE water tank
- Minimal footprint for laboratory space optimization
- Advanced tank design prevents bacterial growth
- Equipped with tank air filter for quality assurance
- Intelligent water level protection system

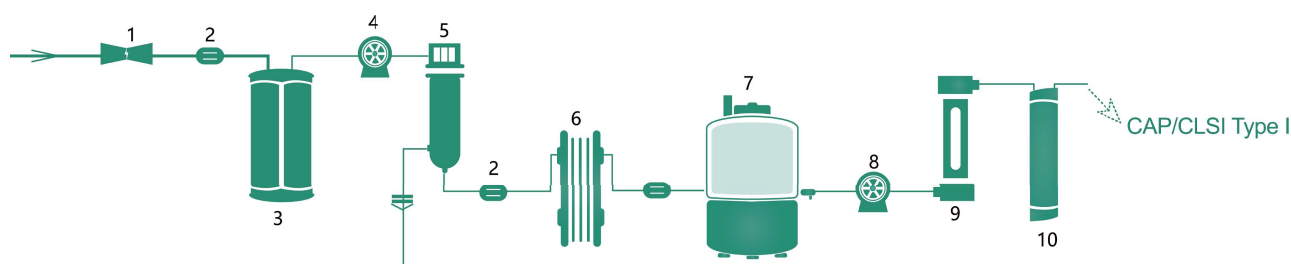
4. Advanced EDI Technology

- State-of-the-art EDI module with auto-regenerating resin
- Consistent water quality output
- Reduced maintenance costs with no frequent resin replacement
- Integrated design for easy maintenance

5. Enhanced Performance Features

- Robust pretreatment column
- Advanced reverse osmosis system
- High-precision resistivity monitoring
- Modular design for convenient maintenance

HydroMax-E-100/150



1 Solenoid Valve

2 Conductivity Sensor

3 Pre-treatment Module

4 Boost Pump

5 RO Module

6 EDI Module

7 Water Tank

8 Ball Valve

9 UV Lamp

10 Micro-Purification Module

Technical Specifications

Model	HydroMax-E-100/150
RO Production Rate	100/150L/h
Feed Water Requirement	
Source	Tap water
Conductivity*	<2000us/cm
Hardness**	<450ppm as CaCO ₃
Pressure	0.1-0.5MPa
Temperature	5-40 °C
High Purified Water(Class II)	
Resistivity At 25 °C	≥10MΩ.cm
TOC	≤30ppb
Dissolved Organic	<0.1ppm
Particulate(≥0.02um)	<1pc/ml
Bacteria	<1CFU/ml
Flow Rate	3.0-4.0L/min
Others	
Water tank	60L/350L
Dimensions(W*D*H)	650*660*1260mm

*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