

HydroMax-E-300/500



Introduction

The HydroMax-E-300/500 is a high-end laboratory water purification system designed for centralized water distribution. With years of experience in water purification technology, this system combines superior quality, intelligent control, and space-efficient design.

Application

Ideal for laboratory applications requiring ASTM Type II water, including:

- 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

The HydroMax-E-300/500 represents the perfect combination of efficiency, reliability, and innovation in laboratory water purification, making it an ideal choice for modern research facilities and laboratories.

1. Space-Efficient Design:

- Compact cabinet structure occupying only 0.86m²

- All-in-one design with built-in modules

2. Intelligent Control System:

- 8.0-inch colored touch screen interface
- Real-time multi-parameter display
- Consumable life indicators
- Multiple water supply and recirculation modes

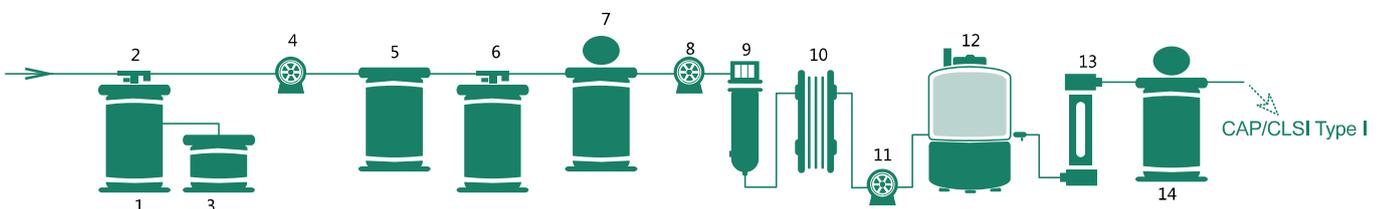
3. Superior Water Quality:

- High-efficiency, energy-saving RO membrane
- Anti-scaling EDI module with no resin exchange needed
- Low cell constant (0.01cm⁻¹) resistivity meter
- Meets ASTM Type II water standards

4. Advanced Features:

- One-button sterilization system for RO membrane, circulation pipeline, and water tank
- Quiet and stable self-induced high pressure pump
- Optional remote monitoring and control system
- Dual-system backup control available

HydroMax-E



- 1 Raw water
- 2 Electronic multi-way valve
- 3 Soften system(optional)
- 4 Salt box(optional)
- 5 Raw water feeding pump
- 6 Pre-filter

- 7 Active carbon filter
- 8 Electronic multi-way valve
- 9 Security filter
- 10 High pressure pump
- 11 RO module
- 12 EDI module

- 13. Built-in pure water tank
- 14. Supply pump
- 15. UV lamp
- 16. Point-of-use filter
- 17. (High) pure water

Technical Specifications

Model	HydroMax-E-300	HydroMax-E2-150	HydroMax-E2-300	HydroMax-E-500*
Water Requirement	Tap water(Conductivity<400um/cm@25 °C),Pressure 0.1-0.4MPa. Temperature 5-40 °C , inlet water tube diameter 3/4"			
Desalination Rate	RO≥98%,RO2≥99%			
Microbial Removal Rate	≥99%			
Productivity Rate At 25 °C	300L/h	150L/h	300L/h	500L/h
Water quality At 25 °C	≥10MΩ.cm	≥10Ω.cm	≥10Ω.cm	≥10MΩ.cm
External Dimen-sions(W*D*H) (mm)	1040*800*1920	1040*800*1920	1040*800*1920	1040*800*1920
			950*750*1850 (pretreatment)	950*750*1850 (pretreatment)
Electrica	AC220V/2.0KW	AC220V/2.0KW	AC220V/3.0KW	AC220V/3.0KW
Water Supply	An instantaneous demand of up to 500-1000L/h, water supply pressure: 0.15-0.35MPa			

*Means Pre-processing part externally independent and this type is occupies more than 0.86 square meters.