

HydroMax-RO Series



Introduction

The HydroMax-RO Series represents our commitment to providing reliable and efficient pure water solutions for laboratory applications. This centralized water purification system combines advanced technology with user-friendly design to deliver consistent Type III (RO) water quality.

Application

Ideal for laboratory applications requiring Type III (RO) water, including:

- General laboratory procedures
- Feed water for ultrapure water systems
- Water baths and cooling systems
- Glassware washing and rinsing
- Autoclave and washing machines
- Pre-treatment for laboratory equipment

Features

- **Space-Efficient Design:** Compact cabinet structure occupying only 0.86m², maximizing laboratory space utilization while maintaining full functionality
- **Integrated Storage Solution:** Built-in 350L water tank with advanced monitoring system and 5-level float sensor control for automated operation
- **Smart Control System:** 8.0-inch colored touch screen interface providing real-time monitoring and control of operational parameters
- **High-Performance RO Membrane:** Energy-efficient, low-pressure membrane delivering superior salt rejection and high recovery rates, with 30-50% extended service life
- **One-Touch Sanitization:** Automated sanitization of RO membrane, circulation pipeline, and water tank with flexible program control
- **Advanced Monitoring:** Low cell constant (0.01cm⁻¹) resistivity meter ensures accurate water quality measurement
- **Quiet Operation:** Self-priming pump design for stable pressure control and minimal noise disruption

Optional Features:

- Remote monitoring and control capabilities
- Dual-system backup control module for continuous operation
- Data management and USB interface for enhanced system control

Technical Specifications

Model	HydroMax-RO-300	HydroMax-RO2-150	HydroMax-RO2-300	HydroMax-RO-500*
Water Requirement	Tap water(Conductivity<400us/cm),Pressure 0.1-0.4MPa. Temperature 5-40℃, inlet water tube diameter 3/4"			
Ionic Rejection	RO≥98%,RO2≥99%			
Bacteria Rejection	≥99%			
Productivity Rate At 25℃	300L/h	150L/h	300L/h	500L/h
Water quality At 25℃	≤15us/cm	≤5us/cm	≤5us/cm	≤15us/cm
External Dimen- sions(W*D*H) (mm)	1040*800*1920	1040*800*1920	1040*800*1920 950*750*1850 (pretreatment)	1040*800*1920 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.