

Genius-E-100/150



Introduction

Genius-E-100/150 is a compact vertical laboratory water purification system that converts tap water into high-purity water. It is specifically designed for laboratory applications requiring reliable and consistent water quality.

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 system combines advanced EDI technology with comprehensive pretreatment and monitoring systems to ensure consistent water quality. The built-in 60L PE water tank features an optimized design for bacterial control and includes integrated protection systems for reliable operation.

- Compact Design: Space-saving vertical configuration ideal for laboratory environments with limited floor space
- High-Quality Output: Produces Type II high-purity water suitable for various laboratory applications
- Large Capacity: Perfect for laboratories with high water consumption requirements
- Reliable Performance: Advanced EDI technology ensures stable water quality with minimal maintenance
- User-Friendly: Easy operation and maintenance with modular design

Technical Specifications

Model	Genius-E-100/150
RO Production Rate	100/150
Feed Water Requirement	
Source	Tap water
Conductivity	<2000us/cm
Hardness	<450ppm as CaCO ₃
Pressure	0.1-0.5MPa
Temperature	5-40 °C
High Quality Purification 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	1.0-1.5L/min
Others	
Water Tank	60L/350L
Dimensions(W*L*H)	650*660*1260mm

Water inlet requires TOC < 1000ppb