

Genius-B Series



Genius-B-30

Introduction

The Genius-B Series is a specialized water purification system designed specifically for clinical biochemistry analyzers, delivering Clinical Laboratory Reagent Water (CLSI Type) with exceptional reliability and consistency.

Application

Primarily designed for:

- Clinical chemistry analyzers
- Hospital laboratories
- Diagnostic centers
- Medical research facilities



Genius-B-100/200

Features

1. Universal Compatibility

- Compatible with major biochemistry analyzer brands including TOSHIBA, OLYMPUS, HITACHI, ROCHE, and MINDRAY
- Direct online connection capability for seamless integration

2. Advanced Bacterial Control

- UV sterilization and micro-filtration technology ensures bacterial count below 1 CFU/ml
- Continuous recirculation system maintains optimal water purity

3. Uninterrupted Operation

- Emergency bypass function guarantees continuous water supply
- Zero downtime design for critical clinical laboratory operations

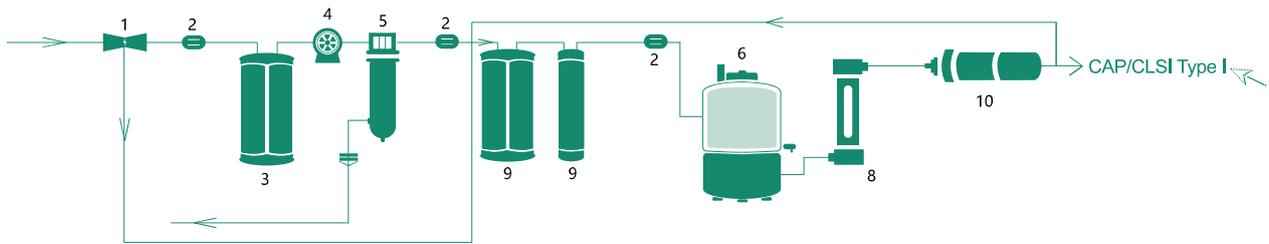
4. Smart Control System

- Real-time monitoring of water quality parameters
- Automatic maintenance alerts and system diagnostics
- User-friendly interface for easy operation

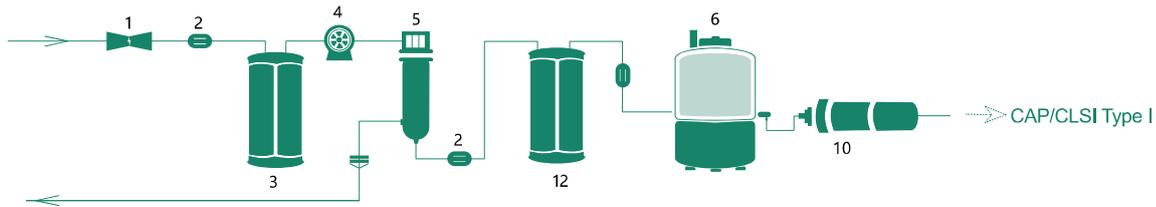
5. Efficient Design

- Compact footprint for space-efficient installation
- Easy access for maintenance and service
- Additional manual outlet for supplementary applications

Genius-B-30



Genius-B-100/200



1 Solenoid Valve

2 Conductivity Sensor

3 Pre-treatment Module

4 Boost Pump

5 RO Module

6 Water Tank

7 Ball Valve

8 UV Lamp

9 Purification Module

10 Micro-Filtration Cartridge

11 EDI Module

12 13L purification resin tank



Technical Specifications

Model	Genius-B-30	Genius-B-100/200
Type	Bench top	Floortype
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	
Bacterial	<1CFU/ml	
Flow Rate	1.0-1.5L/min	
Electrical Requirements		
Electrical Voltage	110V/220V±10%	
Electrical Frequency	50Hz/60Hz	
Net weight		
Main units	25kg	94kg
Water tank	5kg	N/A
Dimensions (W*D*H)		
Main units	315*525*570mm	650*660*1260mm
Water tank	380*380*595mm	N/A

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

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