

Genius-P Series



Introduction

The Genius-P Series is an advanced ultrapure water purification system featuring an innovative all-plastic mold design. This intelligent system can produce both analytical grade pure water and ultrapure water. For optimal performance, the system can be fed with purified water from Genius-E/Genius-RO systems. Through a sophisticated combination of high-efficiency purification technologies, the system effectively reduces organic and inorganic substances to minimal levels. This comprehensive purification capability makes it an ideal solution for diverse applications across hospitals, universities, and research institutions.

Application

- **UV model:** Produces ultrapure water with ultra-low organics for HPLC, IC, GC, and GC/MS applications
- **VF model:** Generates pyrogen-free ultrapure water with ultra-low organics for cell culture, protein analysis, IVF, PCR, and electrophoresis

Features

1. Powerful Ion Exchange

- Dual-column purification system with high resin capacity for extended lifetime
- Pressure-resistant design prevents leakage
- Premium Rohm and Haas resin ensures superior water quality

2. Flexible Water Dispensing

- Dual dispensing points with automatic ultrapure water recirculation
- 6-position height adjustment (290-540mm) with 360° rotating dispenser
- Remote dispensing up to 3 meters from main unit

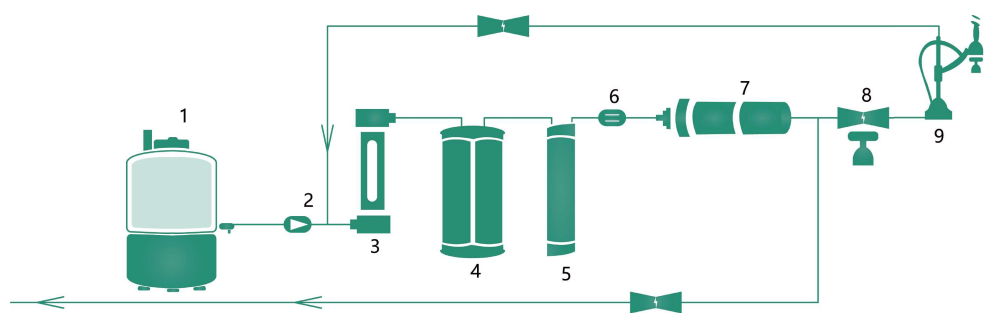
3. Intelligent Control System

- Large LCD display shows real-time parameters and consumable status
- Microprocessor-controlled with automatic monitoring of all purification stages
- Volumetric dispensing and RS232 interface for data logging and network integration

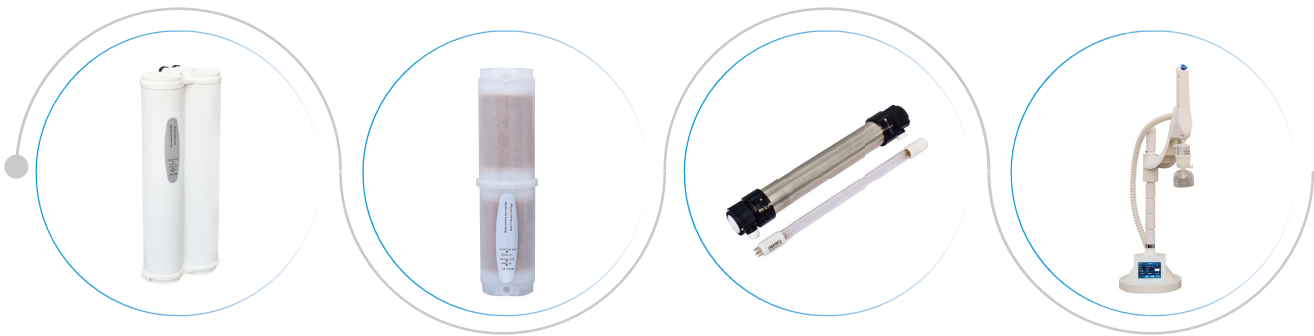
Configuration

Genius-P Series	Genius-PUV	Genius-PVF
Storage tank 30L (Optional)	o	o
UV Lamp	o	o
Ultra-purification cartridge	o	o
Microfiltration cartridge	o	\
Ultrafiltration cartridge	\	o
Point-of-use filter	o	o
Air filter net for tank	o	o
Remote water dispenser	o	o

Genius-PVF



- 1 Water Tank (Optional)
2 Ball Valve
3 UV Lamp
- 4 Purification Module
5 Ultra-Purification Module
6 Conductivity Sensor
- 7 Ultra-Filtration Cartridge
8 Point-Of-Use Filter
9 Remote Water Dispenser



Technical Specifications

Model	Genius-PUV	Genius-PVF
Feed Water Requirement		
Source	RO, Distilled, DI water	
Conductivity*	<20us/cm	
Temperature	5-40 ℃	
Ultrapurification Water(Class I)		
Resistivity At 25 ℃	18.2MΩ.cm	
Conductivity At 25 ℃	0.055us/cm	
Flow rate	1.5-2.0L/min	
TOC Level*	1~5ppb	
Endotoxin(Pyrogens)**	N/A	<0.001EU/ml
Particulate(≥0.02um)	<1pc/ml	
Bacteria*	<0.1CFU/ml	
Rnase/Dnase**	N/A	Free
Electrical Requirements		
Electrical Voltage	110V/220V±10%	
Electrical Frequency	50HZ/60HZ	
Net weight		
Main units	18kg	
Water tank (30L)	5kg	
External Dimensions(WxDxH)		
Main units	315*525*570mm	
Water tank (30L)	380*380*595mm	
Others		
Remote Water Dispenser	1pc	

*Dual wave UV module need to be adopted. Also dependent on feed water, recommended feed TOC<30ppb;

**Ultra-filtration module need to be adopted. Feed water need to be satisfied as above;