

Genie E

5/10/15

Produces Type II water from tap water directly

Resistivity of the product water is above $5 \text{ M}\Omega \cdot \text{cm}$ at 25°C , which meets or exceeds Type II water quality as defined by ASTM, CAP, CLSI and ISO 3696 / BS 3997 and also complies with the Purified Water requirements from the European and U.S. Pharmacopoeia.

The system is manufactured in an ISO 9001 : 2015 certified manufacturing site.

Features

- Constant stable Type II product water quality on account of the best in class IonPure EDI (electrodeionization) module
- Easy maintenance and cost-saving. No need for acid or caustic resin regeneration, nor waste neutralization
- Consistent and stable RO permeability over a wide range of operating temperatures
- Flexible choices of final filters to remove specific contaminants
- Built-in continuous liquid level detector and tank sanitization module in a storage tank
- Automatic system shut-off upon detection of any water leakage
- Optional tank circulation mode for keeping the water quality during storage
- Cartridges composition in one system - AC Pack & P Pack

Main Parts



Control Console

Control and command center

- 8-inch high-sensitive touch screen with integrated buttons allowing for total control & any operation of the system by your finger touch
- A more comfort way to read and operate with the angle and height you choose
- Highly durable, easy to clean and resistant to scratches and electromagnetic interference



- Advanced wireless communication technologies offers the biggest freedom than ever to a dispenser. Its distance from the system is no longer limited by the length of cables and wires.
- "1+N mode" - one water system can drive N units of dispenser (Up to 10 now and can be upgraded further more).
- Genie has multiple touch screens. They are highly responsive, water-proof and latex-glove-friendly, very useful in a chemistry or a bio lab.
- The system is intelligent and traceable. Working status of consumables including cartridges, UV lamp, final filter and main parts are fully monitored throughout their life cycles via RFID technology. Performance history and maintenance records can be safely transferred and printed.
- Feed water conductivity monitoring ensures an optimal running of a Genie system.
- A RephiBio filter can be embraced to produce pyrogen, nuclease and bacteria free water for critical laboratory requirements.
- No tools is needed to install.

NEW

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Dispenser

All-in-one touch screen

- Regular & volumetric dispensing, flow rate adjusting, and water quality monitoring
- Small and slick handle. Hook design for one-hand operation
- Height adjustable and 360 degree rotation with anti-skid base



Cartridges

Core components

- Improved stability of water quality & efficiency of polishing resins resulted from optimized flow path design
- Reduced leaking possibilities as a result of high-pressure resistant housing and special preventive sealing methods
- A worry-free installation through three verification checks-label, color in housing and RFID tags

Specifications

Genie G	
Feed Water Requirements	
Feed water conductivity / TDS	< 2000 $\mu\text{S}/\text{cm}$ / < 1000 ppm
Operating temperature	5 - 45 $^{\circ}\text{C}$
Feed water pressure	1 - 6 kg/cm^2 (15 - 90 psi)
Product Water Quality	
Flow rate	5, 10, 15 L/hr
Dispenser rate	0 - 2 L/min
Resistivity (@ 25 $^{\circ}\text{C}$)	> 5 $\text{M}\Omega \cdot \text{cm}$ (typically 10 - 15 $\text{M}\Omega \cdot \text{cm}$)
TOC*	< 30 ppb
Dimensions	
Main system: Length x Depth x Height	32 cm \times 44 cm \times 54 cm
Dispenser: Length x Depth x Height	21 cm \times 29 cm \times 61 cm

* When TOC Level of feed water is < 50 ppb

** with a 0.2 μm final filter or RephiBio Filter

***with a RephiBio Filter

Ordering Info

Description	Cat. No.
Genie E 5 System	RG0E00500
Genie E 10 System	RG0E01000
Genie E 15 System	RG0E01500



Main Applications

- Preparation of chemical and bio-reagents
- Preparation of culture media
- Preparation of solutions for chemical analysis such as HPLC and ICP
- For clinical analyzers
 - Medical device and equipment rinsing
- For serum and blood fractionation
- For ophthalmics

Flow Chart

