

# Genie E

## 5/10/15

Produces Type II water from tap water directly

Resistivity of the product water is above 5 MΩ·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 ISO 9001 : 2015 and ISO 14001:2015 certified manufacturing sites.

### Features

- Wireless communication amongst components providing unlimited possibilities
- RFID tracking of consumables and RO membranes to ensure optimal system performance
- Exceptionally consistent and predictable high purity Type II water from the best in class IonPure EDI (electrodeionization) module
- Stable RO permeability over a wide range of water temperatures
- Consistent and accurate tank water level monitoring with a built-in continuous liquid level sensor in the storage tank
- Tank recirculation model guarantees water quality in the tank
- Automatic system shut-off upon detection of any water leakage
- Placement flexibility- on the bench, under the sink or wall-mounted to save valuable space within a lab

### Main Components



Control Console

#### Command and control center

- 8-inch touch screen with highly intuitive navigation program allowing total control and easy operation of the system
- Comfortable viewing and operation with built in viewing angle and flexible placement by users
- Operable with gloves and wet hands
- Robust screen: easy to clean, resistant to scratches



- Advanced wireless communication technologies offer more freedom than ever for a remote dispenser. Its distance from the system is no longer limited by the length of cables and wires, and can be discretely set up into a hood or a clean room.
- "1+N mode" - one water system can drive N units of dispenser (Up to 10 now and can be upgraded further more).
- Genie equips with multiple touch screens which are highly responsive, water-proof, latex glove friendly, and perfect for wet labs.
- Monitoring of consumables and accessories, through RFID technology, provides users with real-time operational intelligence.
- The ability to export and print data and log-in requirements are built into all of our Genie systems.
- Feed water conductivity monitoring ensures an optimal running conditions of the system.
- No tools are needed for benchtop installation.

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Dispenser

#### Smart remote dispensers

- Manual and volumetric dispensing, adjustable dispensing rate, and water quality monitoring
- Ergonomic dispenser allowing one handed operation and control
- Operable with gloves and wet hands
- Height adjustable and 360 degree rotatable on an anti-skid base



Cartridges

#### Cartridges

- Improved stability of water quality & efficiency of polishing resins due to optimized flow design
- High pressure rated housings, proprietary sealing, and double o-ring designs ensuring operational confidence
- A worry-free installation with three verifications: color, labels, and RFID recognition

## Specifications

### Genie E

Feed Water Requirements	
Feed water conductivity / TDS	< 2000 $\mu$ S/cm / < 1000 ppm
Operating temperature	5 - 35 $^{\circ}$ C
Feed water pressure	1 - 6 bar (15 - 90 psi)
Product Water Quality	
Flow rate	5, 10, 15 L/hr
Dispenser rate	Up to 2 L/min
Resistivity ( @ 25 $^{\circ}$ C )	> 5 M $\Omega$ -cm (typically 10 - 16 M $\Omega$ -cm)
TOC*	< 30 ppb
Product Water Quality Stored in Tank (for tank recirculation models)	
Resistivity ( @ 25 $^{\circ}$ C )	> 1 M $\Omega$ -cm (default), adjustable
Dimensions	
Main system: Length x Depth x Height	32 cm x 44 cm x 54 cm
Dispenser: Length x Depth x Height	21 cm x 29 cm x 61 cm

\* When TOC Level of feed water is < 50 ppb

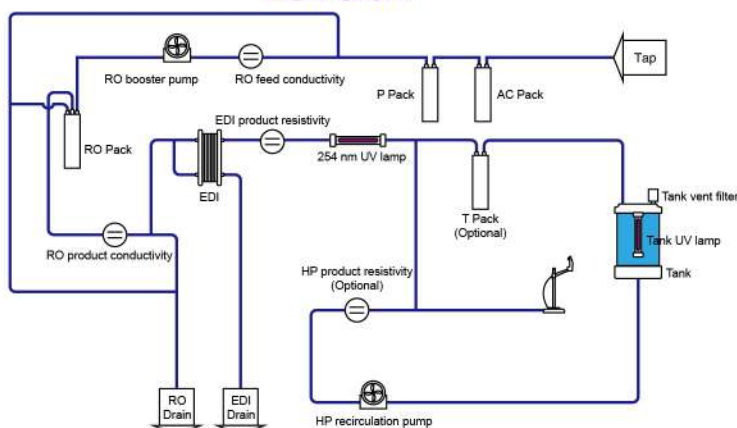
## Main Applications

- Preparation of chemical and bio-reagents
- Preparation of culture media/buffer
- Preparation of solutions for chemical analysis such as HPLC and ICP
- Water supply for clinical analyzers
- Medical device and equipment rinsing
- Serum and blood fractionation
- Ophthalmics
- Water supply for Genie PURIST or other ultrapure water systems

## Ordering Info

Description	Cat. No.
Genie E 5 System	RG0E00500
Genie E 10 System	RG0E01000
Genie E 15 System	RG0E01500
Genie E 5 System, with tank recirculation	RG0E0050R
Genie E 10 System, with tank recirculation	RG0E0100R
Genie E 15 System, with tank recirculation	RG0E0150R

## Flow Chart



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