

Genie R

12/24/32

Produce reverse osmosis (RO) laboratory-grade water from tap water directly

Genie R applies high recovery reverse osmosis (RO) technology to produce pure water for general laboratory needs with easy maintenance and low running costs.

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

Features

- Wireless communication amongst components providing unlimited possibilities
- RFID tracking of consumables and RO membranes to ensure optimal system performance
- Stable RO permeability over a wide range of water temperatures
- Choices of final filters to remove specific contaminants
- Tank water level displayed from the continuous liquid level sensor of the storage tank
- Automatic system shut-off upon detection of any water leakage
- Optional tank circulation mode to keep the water quality stable in the tank



- ◆ Advanced wireless communication technologies offers more freedom than ever for a remote 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 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 system maintenance and simple service.

Main Components



Command and control center

- 8-inch touch screen allowing easy control and 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

Control Console



Dispenser

All-in-one touch screen

- Manual and volumetric dispensing, adjustable dispensing rate, and water quality monitoring
- Compact 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, words, and RFID recognition

NEW

R

Specifications

Genie U	
Feed Water Requirements	
Feed water conductivity / TDS	< 2000 $\mu\text{S/cm}$ / < 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	12, 24, 32 L/hr
Dispenser rate	0 - 2 L/min
Conductivity(@ 25 $^{\circ}\text{C}$)	Typically < 20 $\mu\text{S/cm}$ (feed water < 2000 $\mu\text{S/cm}$)
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

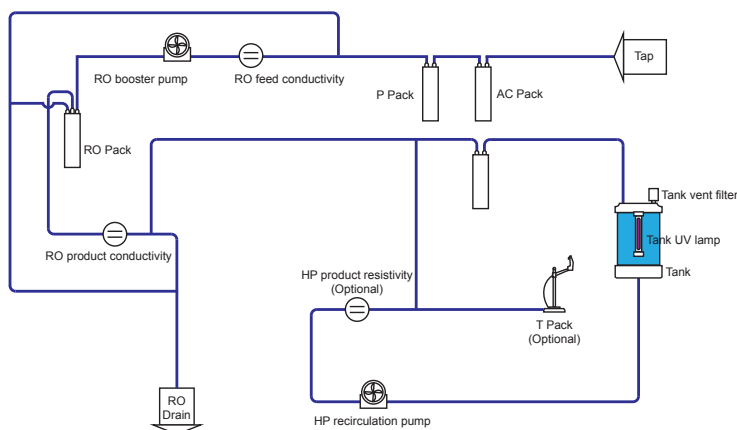
Ordering Info

Description	Cat. No.
Genie R 12 System	RG0R01000
Genie R 24 System	RG0R02000
Genie R 32 System	RG0R03000

Main Applications

- Glassware cleaning
- Washing machine for glassware
- Water bath water
- Autoclave
- Feed water for laboratory animals

Flow Chart



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