

# 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

- A fully automated control system with pre-rinse, RO membrane fouling preventing flush, RO membrane life monitoring as well as many other programs for convenient operation
- Inferior quality of RO permeate rejection to keep the water in a reservoir at optimal quality
- Consistent and stable RO permeability over a wide range of operating temperatures
- 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 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

## Control Console



## 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



- 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.
- No tools is needed to install.

**NEW**

**R**



## 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 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 $\text{kg/cm}^2$ ( 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 $\times$ 44 cm $\times$ 54 cm
Dispenser: Length x Depth x Height	21 cm $\times$ 29 cm $\times$ 61 cm

## Ordering Info

Description	Cat. No.
Genie R 12 System	RGOR01000
Genie R 24 System	RGOR02000
Genie R 32 System	RGOR03000

## Main Applications

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

## Flow Chart

