

Genie R

12/24/32

Produces 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 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
- Stable RO permeability over a wide range of water temperatures
- RO removes >97% of ions and large molecules; >99% of microorganisms, particles and bacteria
- 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



Dispenser

Smart remote dispensers

- 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, labels, and RFID recognition

- 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.

R

Specifications

Genie R	
Feed Water Requirements	
Feed water conductivity / TDS	< 2000 $\mu\text{S/cm}$ / < 1000 ppm
Operating temperature	5 - 35 $^{\circ}\text{C}$
Feed water pressure	1 - 6 bar (15 - 90 psi)
Product Water Quality	
Flow rate	12, 24, 32 L/hr
Dispenser rate	Up to 2 L/min
Conductivity (@ 25 $^{\circ}\text{C}$)	Typically < 20 $\mu\text{S/cm}$ (feed water < 2000 $\mu\text{S/cm}$)
Product Water Quality Stored in Tank (for tank recirculation models)	
Resistivity (@ 25 $^{\circ}\text{C}$)	> 1 $\text{M}\Omega\text{-cm}$ (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

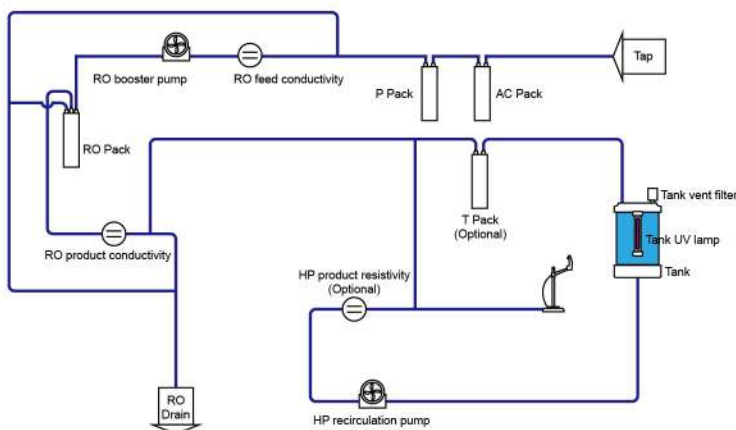
Ordering Info

Description	Cat. No.
Genie R 12 System	RGOR01000
Genie R 24 System	RGOR02000
Genie R 32 System	RGOR03000
Genie R 12 System, with tank recirculation	RGOR0100R
Genie R 24 System, with tank recirculation	RGOR0200R
Genie R 32 System, with tank recirculation	RGOR0300R

Main Applications

- Glassware cleaning
- Washing machines
- Water baths
- Hydroponics
- Laboratory animal watering systems
- Feed water for humidifiers, autoclaves, etc.
- Water supply for Genie PURIST or other ultrapure water systems

Flow Chart




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Literature: RFPF1392209