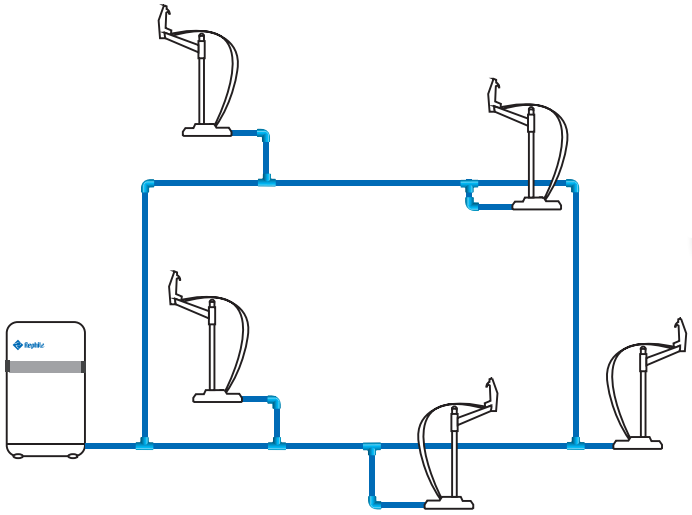
nolonaqua
pure water

Dal 1959 in Svizzera
Since 1959 in Switzerland

Genie Water Systems

Wireless communication



1+N

1 water system can drive
N units of dispensers

N = 1, 2, 3, 4, 5, ···

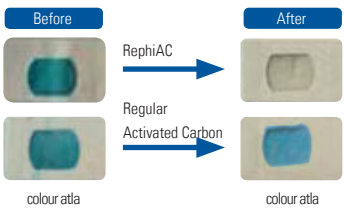
Highly Responsive Touch Screens

Seamless and sleek look!

Water-proof and latex-glove-friendly

Powerful Purification Media

A contrast experiment of chlorine removal effect



Test Conditions:
1. Original chlorine concentration: 2.6 ppm
2. Flow rate: 5 L/min

Compared with a standard colorimetric test card: Residual chlorine level was below 0.05 ppm after RephiAC treatment. There are still more than 30% residual chlorine after a regular activated carbon treatment.

RephiAC Activated Carbon

Highlights

- The main system, monitor and dispensers can be placed freely as desired. Distance from the system is no longer a limiting factor to set-up a dispenser.
- Touch screens are highly responsive and durable. Users can operate the system with gloves on or even with wet hands.
- Thanks to RFID, working status of consumables and main parts are fully monitored right at the installation.

Easier integration within your Laboratory Furniture!

Dispenser

The tech-savvy and ergonomically designed dispenser is smooth and easy to operate. Dispenser height can be adjusted with one hand. Detailed design brings great user experience.

- Water quality, dispense volume and rate all displayed on the dispenser handle
- The small and slick dispenser rests in your palm and enables your thumb to operate the dispenser easily
- One finger touch to set up dispense volume and rate, or to dispense water
- Dispenser handle can be placed anywhere as it fits to your lab: on the dispenser stand, on the system, or other places

All at Your Fingertips!

Control Console

The control and command center operates and monitors the water system and other components on the 8-inch touch screen via wireless connections.

- Total control in your hands by your finger touch: water quality, operation parameters, the status of the system, dispensers, components, and peripheral devices
- The monitor can be set up beside the system, wall-mounted, on the shelf, or placed with your dispenser and peripheral devices, anywhere in the lab due to wireless connections, and read in a more comfort way

Control from the Distance!

Cartridges

Cartridge is the core component to produce pure and ultrapure water: optimized purification technologies and flow path design ensure the quality of water production meets specific applications.

- RephiLe's LeFil and OrgneFil proprietary materials provide a full range of cartridges for various applications, such as ultra-low organic, low magnesium, low boron, for ICP-MS, etc.
- Prefiltration cartridges contains high-efficient enhanced RephiAC to ensure a long and smooth operations
- Three verification checks for proper cartridge installation utilizing label designation, cartridge color, and RFID tags ensure perfect placement within the system
- Optimized and lower running cost

Tailored to Your Applications & Highly Efficient

www.rephile.com

Features

Easy to Use

Large Monitors and Wireless Communication

- Touch screens on the main monitor and dispensers display key parameters at fingertips
- Wireless connection makes placement of dispenser, monitor and system more flexible than ever, 10 meters from System to POD or POD to POD limits
- Modules can be updated or added to personalize the functions anytime needed
- Changing consumables is a breeze and foolproof as a result of the RFID tech and thoughtful tool-free design

Easy to Control

Touch Screens and RFID technology

- Multiple touch screens for each system. Operators can use either a main monitor or dispensers to control the system
- Performance history and maintenance data of consumables as well as key parts are traceable any time when needed with a simple RFID scan
- Remote control and diagnosis makes monitoring and troubleshooting easy and efficient
- Optional tank circulation mode guarantees high water quality in storage

Space-saving

Modular Design and Wireless Communication

- Wall-mounted, or hiding under the sink, the main system can be tucked away to save precious bench space
- The main monitor can be on the bench or inside a drawer for further flexibility and space saving
- A dispenser handle can be set on the dispenser stand, on the main system, or even hanging onto other places to free up maximum bench space
- Easy to maintain a clean and tidy lab without tangled wires and cables

Reliable Operations

Advanced Water Purifacation Technologies

- Automatic temperature compensation allows RO production rate stable over a wide range of temperature
- Foolproof designs result in worry-free installation and accurate application of consumables and key components
- Double foolproof set-up in cartridges minimizes risks of water leakage
- Optimized flow pathway enhances system purification efficiency and reliability of product water quality

On-board TOC ☑

RephiBlue Mobile App ☑

Validation Support ☑

Noion Aqua Sagl

Via Roggia 4 6983 Magliaso (+41916062086)
E-mail: noion@bluewin.ch

Genie Specification:

Feed Water Requirements	
Tap water	Municipal water, Conductivity < 2000 µS/cm (1000 ppm)
Operating temperature	5 - 45 ℃
Feed water pressure	15 - 90 psi (1 - 6 bar)
Water Flow Rate	
EDI water production rate (@ 25℃)	5, 10, 15 L/hr
EDI water dispensing rate	0 - 2.0 L/min
Ultrapure water dispensing rate	0 - 2.0 L/min
Product Water Quality	
EDI water resistivity (@ 25℃)	> 5 MΩ·cm (typically 10 - 15 MΩ·cm)
EDI water TOC*	< 30 ppb
Ultrapure water resistivity (@ 25℃)	18.2 MΩ·cm
Ultrapure water TOC*	< 5 ppb
Particles in ultrapure water (> 0.2 µm)	< 1/ml (with a 0.2 µm final filter or terminal ultrafiltration cartridge)
Microorganisms in ultrapure water	< 0.1 cfu/ml (with a 0.2 µm final filter or terminal ultrafiltration cartridge)
Pyrogens (endotoxins) in ultrapure wat er	< 0.001 Eu/ml (with UF filter)
RNAse in ultrapure water	< 0.5 pg/ml (with a RephiBio filter)
DNAse in ultrapure water	<10 pg/ml (with a RephiBio filter)
Dimensions	
Main system dimensions Width × depth × height	32 × 44 × 54 cm (12.6 × 17.3 × 21.3 in)
Dispenser dimensions Width × depth × height	21 × 29 × 61 cm (8.3 × 11.4 × 24.0 in)
Weight	20 kg
Input Voltage	110 - 240 VAC
Operating Voltage	24 VDC
Main system power	< 200 W

*Product water quality may vary due to local feed water conditions.

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E-mail: noion@bluewin.ch