



Genie Water Systems

Rephile, Revolution in Filtration



A decorative graphic on the left side of the slide, consisting of a vertical bar with a blue and purple gradient, a white wave-like shape, and two blue water droplets.

Contents

- ◆ Highlights
- ◆ Features
- ◆ Specifications
- ◆ System Types
- ◆ Components
- ◆ Main Competition



Highlights





What is a
Genie?

It is powerful

It is Smart

It makes things Easier

It expands **YOUR** possibilities!

Wireless communication



Place freely as
you desire !

E-connection expands your possibilities

What's new – 1+N mode



One water system can
drive **N** units of dispenser

(N=1,2,3,4,5...)



Wireless communication



Multiple Touch Screens

Highly Responsive

water-proof

latex-glove-friendly

Seamless and sleek looking



Internet



Remote control and monitor system operation status continuously, assist in service and maintenance via remote assistance technology.



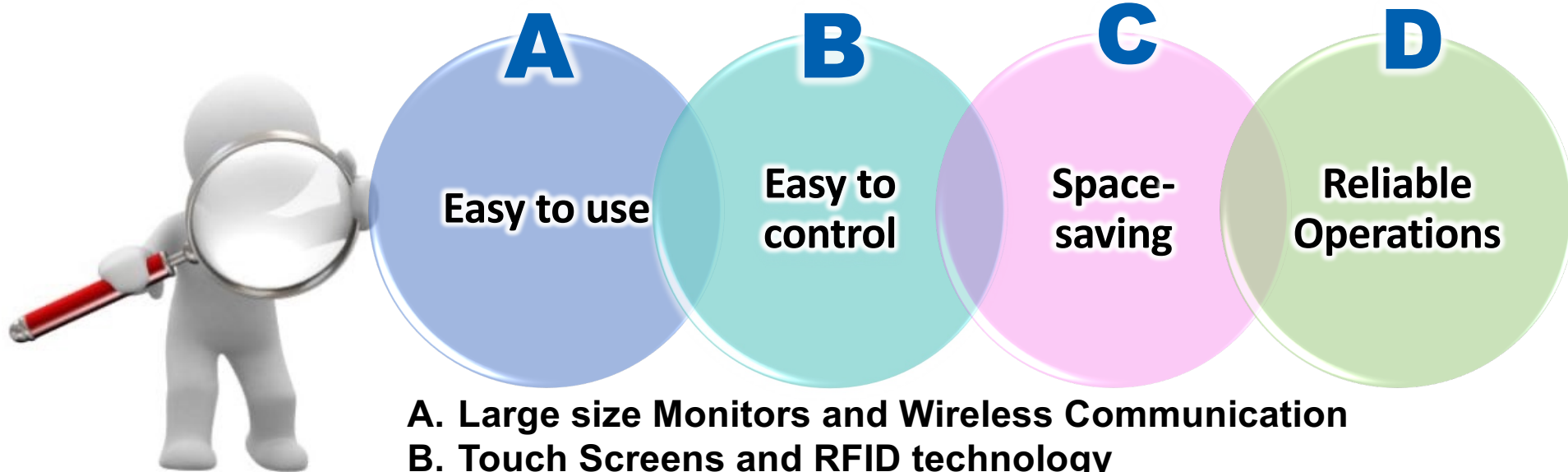


Features



A decorative graphic on the left side of the slide, consisting of a vertical blue bar with a white wave-like shape at the top and two blue water droplets below it.

Features



A. Large size Monitors and Wireless Communication

B. Touch Screens and RFID technology

C. Modular Design

D. Advanced Water Purification Technologies

Easy to Install



- Tool-free installation
- Worry-free installation of consumables and key components
Precisely in the RIGHT position!



- Three verification checks for proper cartridge installation
 - a) label designation
 - b) cartridge color
 - c) RFID tags

Perfect placement!



**How come ~
Up side down!!**



It takes under 30 minutes to install a Genie if utilities are available.



Easy to use



- Touch screens on the main monitor and dispensers display key parameters at finger tips.
- Placement of dispenser, monitor and system more flexible than ever, no longer limited by the length of cables and wires
- Modules can be updated or added freely to personalize the functions anytime needed
- Users can order consumables on the control console or via the RephiBlue app.





Easy to control



- **Multiple touch screens**
a) a main monitor b) dispensers
- **Performance history and maintenance data of consumables as well as key parts are traceable any time when needed.**
- **Remote control and diagnosis. Easy and efficient monitoring and troubleshooting.**
- **Optional tank circulation mode guarantees high water quality throughout the storage period.**

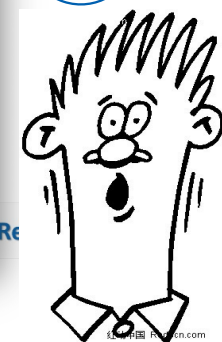




Big Space-saver



- The main system can be wall-mounted, set under the sink, or tucked away.
- The main monitor can be on the bench or inside a drawer.
- Dispenser handle can be on the dispenser stand, on the main system, or even hanging onto other places.
- Easy to maintain a clean and tidy lab without tangled wires and cables



Re on

www.Rephile.com

Two blue water droplets of varying sizes, one larger than the other, positioned to the left of the main title.

Reliable Operations

A small, light-colored tag with a dark blue speech bubble shape containing the word "Features" in white text.

Features

- **Automatic temperature compensation allows RO production rate stable over a wide range of temperature**
- **Optimized flow pathway enhances system purification efficiency of ion-exchange and reliability of product water quality**
- **Minimal risks of water leakage- Double sealing O-rings for cartridges**
- **Signature verification for maintenance and service meets the requirement of data reliability and traceability.**

The word "Reliable" written in a white, cursive font with a thick yellow and orange outline, set against a dark background.



Specifications



New System Type

		Genie G	Genie U	Genie A	Genie E	Genie R	PURIST
Feed Water		Municipal water	Municipal water	Municipal water	Municipal water	Municipal water	Pure water
Product Water	Type I	✓	✓	✓			✓
	Type II	✓			✓		
	RO Water (Type III*)		✓	✓		✓	

* The feed water conductivity is less than 250 $\mu\text{S}/\text{cm}$



Feed Water Requirements

	Genie G	Genie U	Genie A	Genie E	Genie R	PURIST
Feed Water	Municipal water	Municipal water	Municipal water	Municipal water	Municipal water	Pure water
Conductivity	< 2000 $\mu\text{S/cm}$	< 2000 $\mu\text{S/cm}$	< 1000 $\mu\text{S/cm}$	< 2000 $\mu\text{S/cm}$	< 2000 $\mu\text{S/cm}$	< 100 $\mu\text{S/cm}$
Temperature	5 - 45 °C	5 - 45 °C	5 - 45 °C	5 - 45 °C	5 - 45 °C	5 - 45 °C
Pressure range	1 - 6 kg/cm^2 (15 - 90 psi)	1 - 6 kg/cm^2 (15 - 90 psi)	1 - 6 kg/cm^2 (15 - 90 psi)	1 - 6 kg/cm^2 (15 - 90 psi)	1 - 6 kg/cm^2 (15 - 90 psi)	0 - 1 kg/cm^2 (0 - 15 psi)

Product Water Specifications



	Genie G	Genie U	Genie A	PURIST	Genie E	Genie R
Pure water rate	5, 10, 15 L/hr	12, 24, 32 L/hr	32 L/hr	-	5, 10, 15 L/hr	12, 24, 32 L/hr
Pure water resistivity(@ 25°C)	> 5 MΩ·cm (typically 10 - 15 MΩ·cm)	> 0.05 MΩ·cm (typically)	> 0.05 MΩ·cm (typically)	-	> 5 MΩ·cm (typically 10 - 15 MΩ·cm)	> 0.05 MΩ·cm (typically)
Pure water TOC	< 30 ppb	-	-	-	< 30 ppb	-
Ultrapure water resistivity	18.2 MΩ·cm				-	-
Ultrapure water TOC*	TOC < 5 ppb				-	-
Particles(> 0.2 μm)	< 1/ml (with 0.2 μm final filter)				-	-
Bacteria	< 0.1 cfu/ml (with 0.2 μm final filter or Biofilter)				-	-
Pyrogens	< 0.001 Eu/ml (with RephiBio filter)				-	-
RNAse	< 0.5 pg/ml (with RephiBio filter)					
DNase	< 10 pg/ml (with RephiBio filter)					

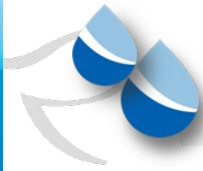


Main System Specifications



	Genie G	Genie U	Genie A	Genie E	Genie R	PURIST
Pure water quality	Resistivity / Temperature	Conductivity/ Temperature	Conductivity/ Temperature	Resistivity / Temperature	Conductivity/ Temperature	
Feed water quality	Conductivity / Temperature					Conductivity/ Temperature
UP water quality	Resistivity / TOC / Temperature	Resistivity / TOC / Temperature	Resistivity / TOC / Temperature	-	-	Resistivity / TOC / Temperature
Tank information	Tank level					Optional*
Volumetric dispensing	0.1 L - 99.9 L					
Dispensing rate	0 - 2 L/min					
Language	Control console: Chinese, English, French, Spanish, German, Italian, ...					

* It will display tank level when equipping a tank.



Main System Specifications



	Genie G	Genie U	Genie A	Genie E	Genie R	PURIST
Main System Width × depth x height	32*44*55 cm					
Dispenser Width × depth x height	21*29*61 cm					
Control Console Length x width	22*17 cm					
System Weight	20 kg	20 kg	20 kg	19 kg	18 kg	17 kg
Dispenser Weight	5 kg					
Control Console Weight	0.75 kg					
Input Voltage	110-240 VAC					
Operating Voltage	24 VDC					
Main System Power	< 200 W					





Configuration



	Genie G	Genie U	Genie A	Genie E	Genie R	PURIST
AC Pack	Yes	Yes	No	Yes	Yes	No
P Pack	Yes	Yes	Yes	Yes	Yes	No
H Pack	No	Yes	No	No	No	Yes
U Pack	Yes	Yes	Yes	No	No	Yes
T Pack	Optional	Optional	No	Optional	Optional	No
254 UV lamp	Yes	No	No	Yes	No	No
185 UV lamp	Yes	Yes	Yes	No	No	Yes
EDI module	Yes	No	No	Yes	No	No
RO Pack	Yes	Yes	Yes	Yes	Yes	No
Tank	Yes	Yes	No	Yes	Yes	Optional
UP water dispenser	Yes	Yes	Yes	No	No	Yes
Pure water dispenser	Optional	Optional	Optional	Optional	Optional	No
TOC	Yes	Optional	Optional	No	No	Optional



System Type



Genie G

Features

- Produce ultrapure and EDI water from tap water directly.
- On-line TOC monitor based on complete oxidation methods
- 254 nm lamp and dual-wavelength UV lamp
- AC Pack、 P Pack 、 U Pack
- G 5: one RO pack——RR70R0501
G 10: two RO packs——RR70R0501
G 15: two RO packs——RR70R1001
- At least one UP water dispenser

Catalog No.	Description
RG0G005T0	Genie G 5 Water System with TOC
RG0G010T0	Genie G 10 Water System with TOC
RG0G015T0	Genie G 15 Water System with TOC

Similar to



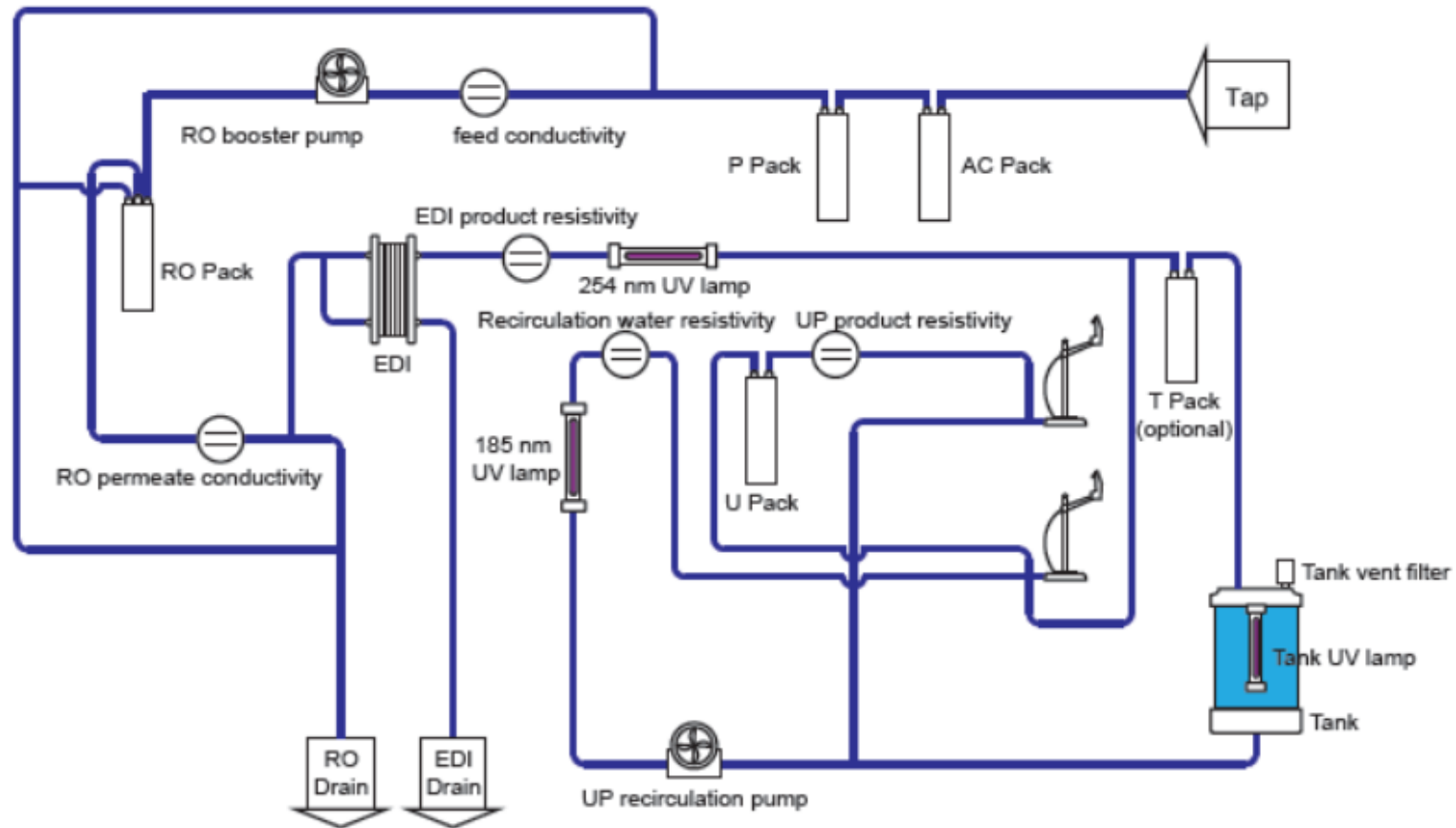
Milli-Q Integral



arium comfort II



Genie G Water Flow Diagram





Genie U

Catalog No.	Description
RG0U01000	Genie U 12 Water System
RG0U010T0	Genie U 12 Water System with TOC
RG0U02000	Genie U 24 Water System
RG0U020T0	Genie U 24 Water System with TOC
RG0U03000	Genie U 32 Water System
RG0U030T0	Genie U 32 Water System with TOC

Features



- Produce ultrapure and RO water from tap water directly.
- On-line TOC monitor based on complete oxidation methods (optional)
- Dual-wavelength UV lamp
- AC Pack、 P Pack、 H Pack、 U Pack
- U 12: one RO Pack——RR70R1001
U 24: two RO Pack——RR70R1001
U 32: two RO Pack——RR70R1501
- At least one UP water dispenser

Competitor's



Milli-Q Direct



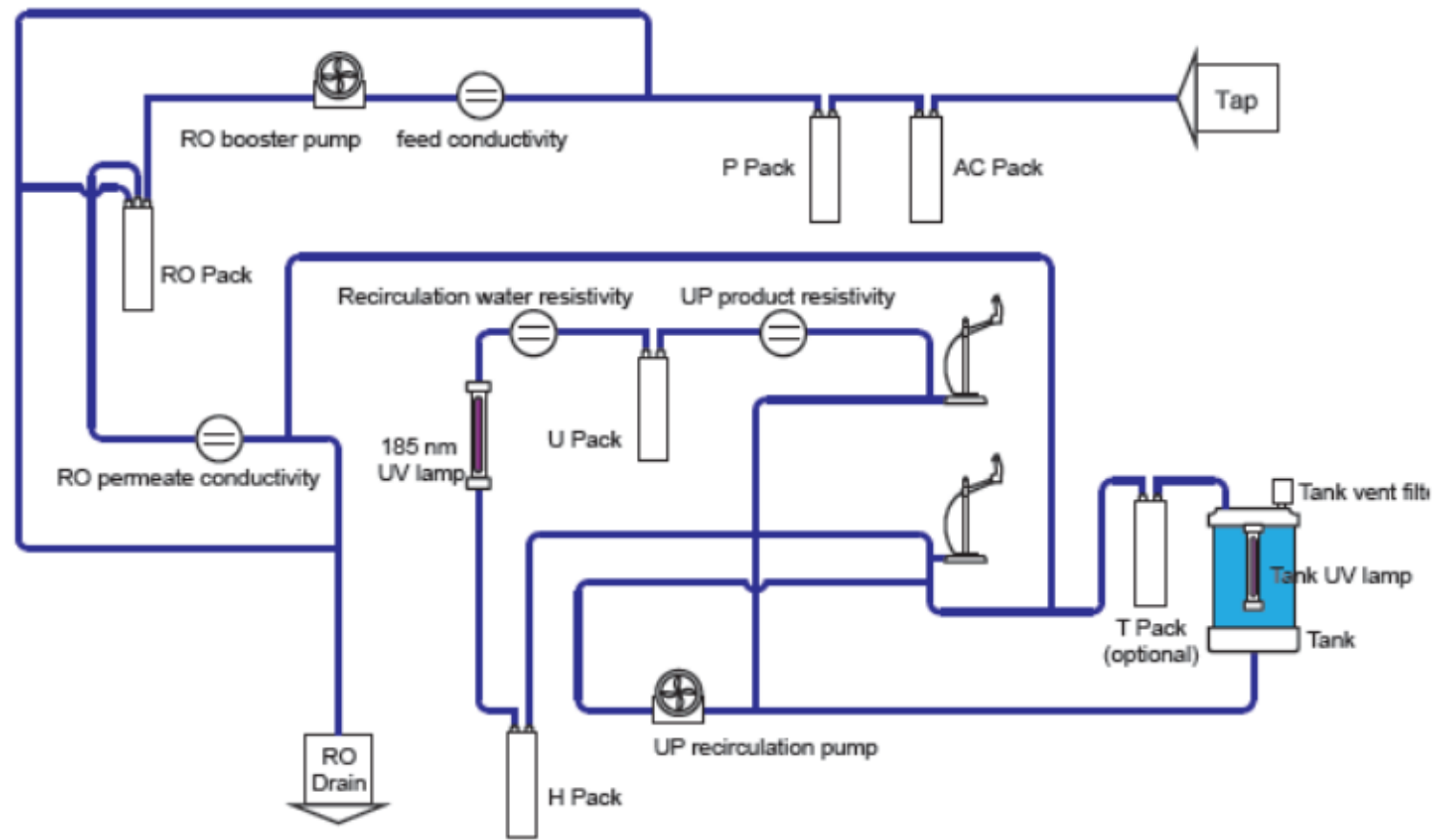
arium comfort I



cascada 1 3



Genie U Water Flow Diagram





Genie A

Features

- Produce ultrapure and RO water from tap water directly.
- Dual-wavelength UV lamp
- No storage tank
- P Pack、 U Pack
- Two RO Pack——RR70R1501
- Flowrate: 32 L/h
- Two dispensers equipped on the main system

Catalog No.	Description
RG0A04000	Genie A Water System



Genie E

Catalog No.	Description
RG0E00500	Genie E 5 Water System
RG0E01000	Genie E 10 Water System
RG0E01500	Genie E 15 Water System



Features

- Produce EDI water from tap water directly.
- 254 nm lamp
- AC Pack、 P Pack
- E 5: one RO pack——RR70R0501
E 10: two RO packs——RR70R0501
E 15: two RO packs——RR70R1001

Competitor's



Elix



arium advance EDI



PURELAB Pulse





Genie R

Features

- Produce RO water from tap water directly.
- AC Pack、 P Pack
- R 12: one RO Pack——RR70R1001
R 24: two RO Pack——RR70R1001
R 32: two RO Pack——RR70R1501

Competitor's



RiOs Essential



arium advance RO



Pacific RO



Cascada 3

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





Genie PURIST

Features

- Produce ultrapure water from pure water
- Integrated feed water conductivity sensor
- Detection of universal type water storage device level
- On-line TOC monitor based on complete oxidation methods (optional)
- Dual-wavelength UV lamp
- H Pack、 U Pack
- Flowrate: Up to 2.0 L/min
- At least one UP water dispenser



Catalog No.	Description
RG0S00000	Genie PURIST Water System
RG0S000T0	Genie PURIST Water System with TOC

Competitor's



Cascade I



PURELAB Classic



IQ 7000



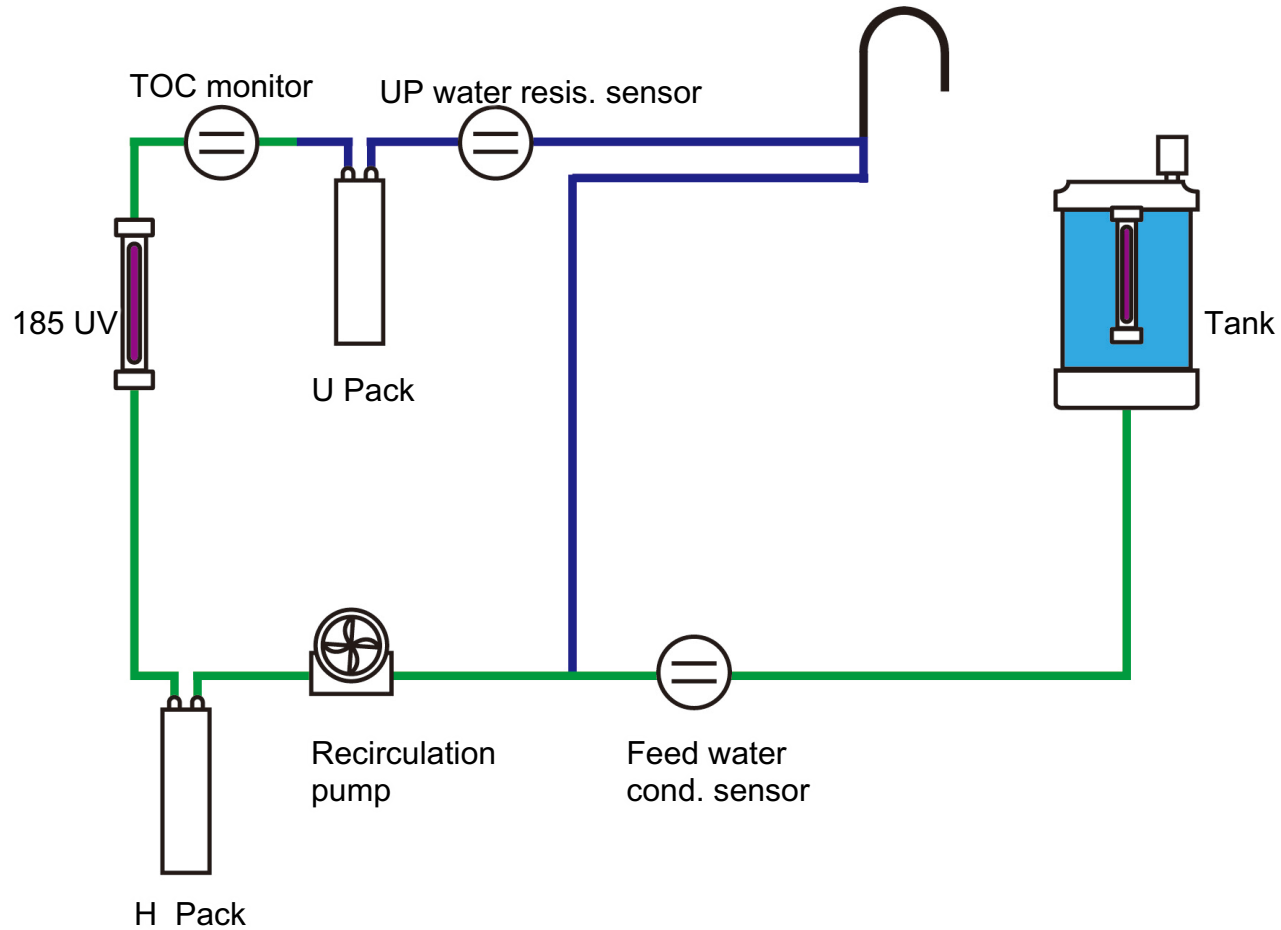
GenPure



arium pro



Genie PURIST Water Flow Diagram





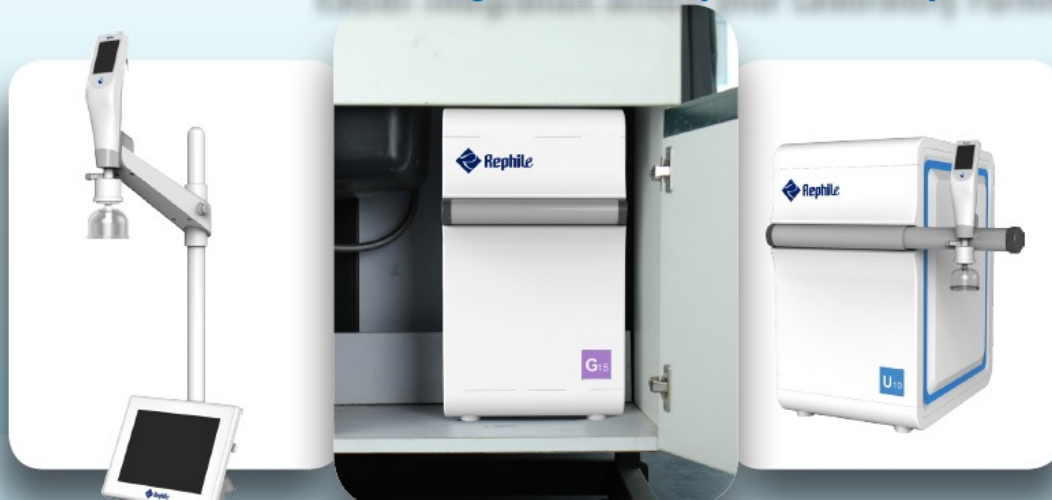
Components





Parts Details

Easier integration within your Laboratory Furniture!



- A. Main System**
- B. Dispenser**
- C. Control Console**
- D. Cartridges**

The Main System



- On-board TOC
- RephiBlue Mobile App
- Validation Support





Main System

Order Information

Catalog No.	Description
RG0A04000	Genie A Water System
RG0E00500	Genie E 5 Water System
RG0E01000	Genie E 10 Water System
RG0E01500	Genie E 15 Water System
RG0G005T0	Genie G 5 Water System with TOC
RG0G010T0	Genie G 10 Water System with TOC
RG0G015T0	Genie G 15 Water System with TOC
RG0S00000	PURIST Water System
RG0S000T0	PURIST Water System with TOC

Catalog No.	Description
RG0U01000	Genie U 12 Water System
RG0U010T0	Genie U 12 Water System with TOC
RG0U02000	Genie U 24 Water System
RG0U020T0	Genie U 24 Water System with TOC
RG0U03000	Genie U 32 Water System
RG0U030T0	Genie U 32 Water System with TOC
RG0R01000	Genie R 12 Water System
RG0R02000	Genie R 24 Water System
RG0R03000	Genie R 32 Water System

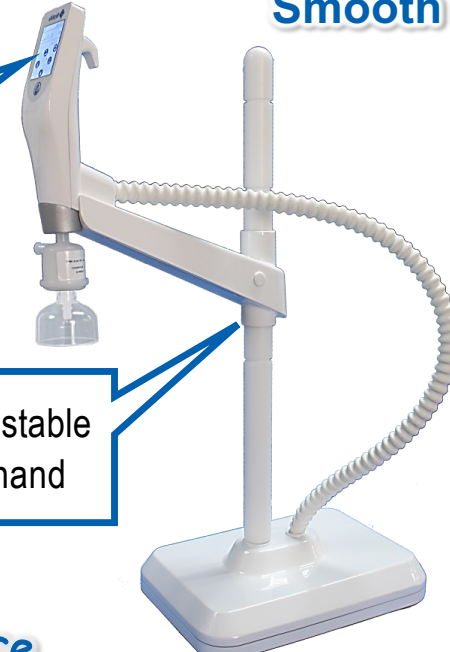




Dispenser

Tech-savvy and ergonomically design

Smooth and easy to operate



Water quality, dispense volume and rate all displayed on the dispenser handle

Height adjustable with one hand

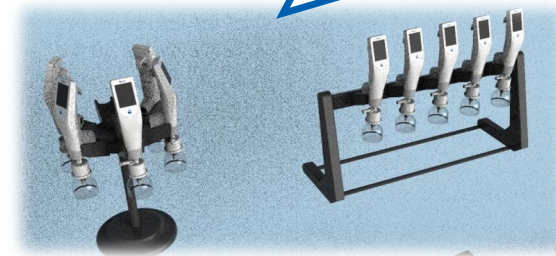
Great user experience



Hooked design enables one-hand operation

small and slick

Dispenser handle can be placed anywhere as it fits to your lab: on the dispenser stand, on the system, **or other places**





Dispenser



All-in-one touch screen

Water-proof. You can operate the dispenser with latex gloves on

All at your fingertips!



In your palm. Use your thumb to operate the dispenser easily

One finger touch to set up dispense volume (0.1 L – 99.9 L) and rate (Drops to 2 L/min), or to dispense water

Wireless connection enables N+1 dispensers connected to a single water system at will.



Control Console

The control and command center

Operates and monitors the water system and other components



It can be placed...

- Beside the system
- Wall-mounted
- On the shelf
- Inside a drawer
- with your dispenser and peripheral devices

Freely in the lab

Control from the distance



8-inch touch screen

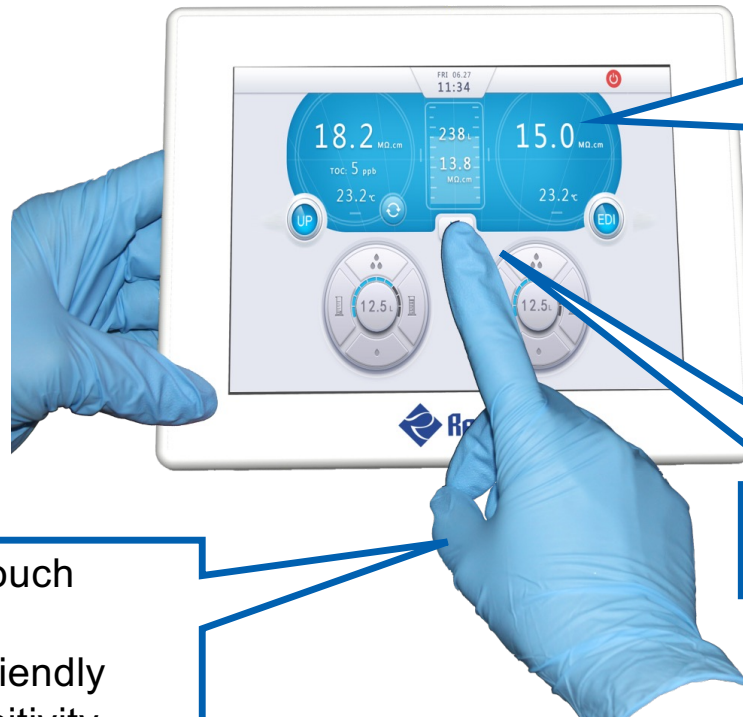


Wireless connections



Control Console

**Read in a
comfort angle in
your hands**



Water quality,
Operation parameters,
The status of the
system, dispensers,
components, and
peripheral devices

Total control at
your fingertips

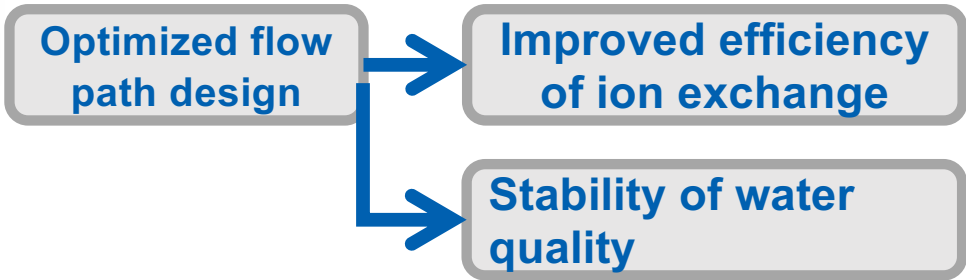
Water-proof touch
screen.
Latex-glove-friendly
with high sensitivity.

Cartridges

Core components



Optimized purification technologies



Flow path design ensures the quality of water production meets specific applications

Low running cost





Cartridges

A full range of Cartridges

RephiLe's **LeFil™** and **OrgneFil™** proprietary materials for various applications



General type

Conventional experiments

Low TOC type

Experiments highly sensitive to TOC level

Low Boron type

Element analysis

ICP type

ICP-MS, PPT grade analysis

Low Mg type

NGS high throughput sequencing

DI Feed type

Feed water with high particle content

*Tailored to
Your Applications*

Cartridges

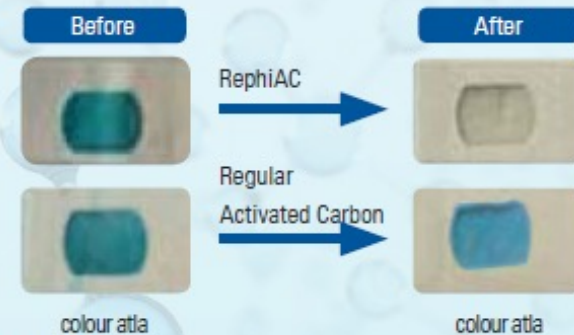
Powerful Purification Media

Enhanced RephiAC

- Maximize the removal of chlorine
- Ensure long and smooth operations



A contrast experiment of chlorine removal effect



Test Conditions:




- Original chlorine concentration: 2.6 ppm
- 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 of Genie water systems

-  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.

Flexible & Durable & Overall Control

A red highlighter marker is shown at the end of a red horizontal line, appearing to have just finished drawing it.



Main Competition



•Millipore IQ 7000



	Genie PURIST	IQ 7000
Feed / Product water	Pure water → Ultrapure water	Pure water → Ultrapure water
Signal transmission	Wireless / Wire	Wire
Touch screen	Control console + Dispensers	Dispensers
Screen size	8"	5"
Dispenser	> 4	≤ 4
RFID chip	All consumables and some spare parts	Cartridges
Way of dispensing	Touch screen	Buttons
U Pack	More varieties than Millipore	

• ELGA PURELAB Chorus



	Genie	PURELAB Chorus
Signal transmission	Wireless / Wire	Wire
Type II water	EDI	DI
Screen size	8	2.4
Dispenser	1,2,3,4,5 ...	≤ 4
Ways of operating	Touch screen	Buttons



• **PALL Cascada**



	Genie	Cascada
Signal transmission	Wireless / Wire	Wire
Type II water	EDI	DI
Screen size	8"	7"
Dispenser	1,2,3,4,5,6,7, ...	≤ 6
Way of dispensing	Touch	Buttons



Rephilitation Matters

Genie Water Systems

e-connection expands YOUR possibilities!

