

NuZar Q

Water Purification System

Q

Pure water to ultrapure water

The NuZar Q water system is a compact water purification system designed for high-efficiency performance. The system can deliver up to 2 liters of ultrapure water per minute directly from pure water (EDI, RO, distilled, deionized water).

The NuZar series is specifically designed for laboratories that demand a balance between cost of ownership and exceeding their purified water requirements.



NuZar Q



NuZar Q Extended

The dispensing handle can be system-mounted or installed on a separate stand, offering versatile dispensing solutions to accommodate diverse application scenarios.

Compact
and powerful.

Key Features

Reliable, Stable, Traceable and Predictable

Simple installation and maintenance

- ◆ RFID tracking of consumables for enhanced management
- ◆ Easy to remove consumable access cover.

Low running cost

- ◆ Self-maintenance functions for maximum cartridge effectiveness and lifetime
- ◆ RFID record of cartridge history for predictable consumable replacements
- ◆ Highly-efficient cartridges

Reliable water quality & stable system performance

- ◆ Automatic hourly recirculation of ultrapure water
- ◆ A universal inlet water level sensor to prevent system failures caused by air intake

Data traceability

- ◆ Automatic data backup for up to 2 years
- ◆ Easy data transfer through multiple interfaces, such as LAN, USB, etc.

Compact and small footprint

- ◆ Placement flexibility - on the bench, under the bench or wall-mounted
- ◆ All-in-one design. Space-Saver



RFID
technology



Data
traceability

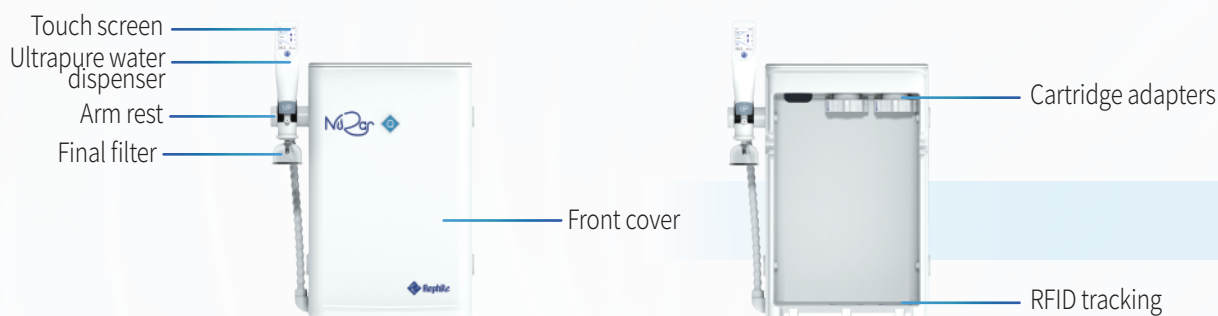


Low
running cost



Small
foot-print

Components & Parts



Cartridge

- ◇ Optimized flow design to improve water quality stability & efficiency of polishing resins
- ◇ High pressure rated housings, proprietary sealing, and double O-ring design ensures operational confidence
- ◇ Cartridge color, label, and RFID recognition prevent incorrect installation

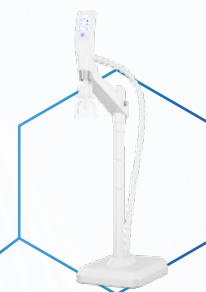


Ergonomic dispenser with 2.4" color touch screen

- ◇ Two dispenser heights for the ultimate in flexibility
- ◇ Intuitive display -water quality with temperature compensation, volumetric dispensing & flow rate
- ◇ System alerts are displayed on the touch screen
- ◇ Effortless adjustment -dispensing rate (up to 2 L/min), manual and volumetric dispensing
- ◇ Choice of final filters: RephiBio and 0.2 µm final filter

A remote dispenser for NuZar Q Extended

- 3-meter away from the system
- Height-adjustable
- 360 degree rotatable



Water Quality Compliance

Quality of ultrapure water meets or exceeds ASTM, CLSI, CAP and ISO Type I water standards.

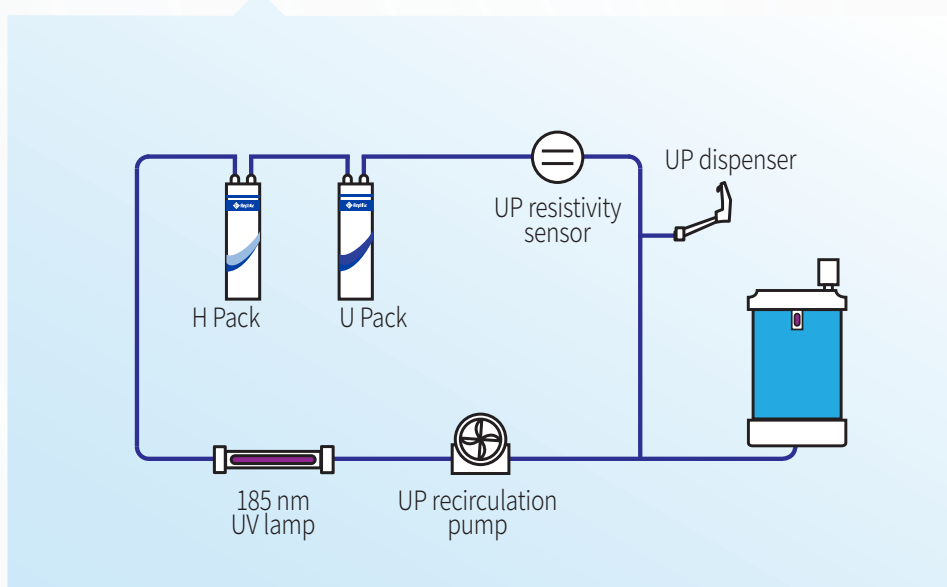
The system is manufactured in our production facility registered by ISO 9001:2015 & ISO 14001:2015. It is CE/RoHS certified.

Main Application



- HPLC mobile phase preparation
- Preparation of reagent blank solutions
- Sample diluent for GC, HPLC, UPLC, ICP-MS or other analytical techniques
- Preparation of buffers and culture media for cell culture
- Preparation of molecular biology reagents, etc.

Flow Schematics

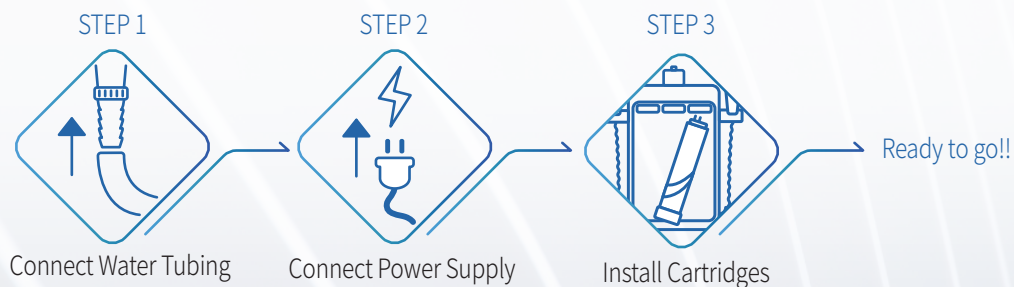


Rephile NuZar systems incorporate advanced technologies and optimized flow paths to ensure exceptional water quality for customers' applications.

Comprehensive process control management with continuous water purity monitoring after every purification step. This allows consistent and reliable operation which ensures the product meets the NuZar specifications.

Installation Information

Plug-N-Play with only 3 steps



Ordering Info

Description	Cat. No.
NuZar water system set, Q	RN0Q00000K
NuZar water system set, Q Extended	RN0QP0000K

Specifications

General Specifications		NuZar Q
Operating voltage		24 VDC
Input voltage		100 - 240 VAC
Main system power		< 190 W
Feed water requirements		
Feed water		EDI, RO, distilled, deionized water
Operating temperature		5 – 35 °C
Feed water pressure		0 - 1 bar (0 - 15 psi)*
Product water type		
		Ultrapure
Dimensions W x D x H		418 x 310 x 624 mm (16.5 x 12.2 x 24.5 in)
Weight (Approximate)	net	18 kg
	gross	27 kg

*It's recommended to use a pressure regulator if feed water pressure is above 15 psi (1 bar)

Product water Specifications

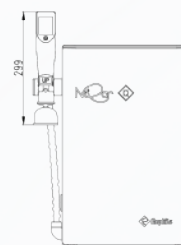
● Ultrapure water

Dispenser rate	Up to 2 L/min
Resistivity (@25°C)	18.2 MΩ · cm
TOC	< 5 ppb*
Particles	No particles with size > 0.22 μm**
Microorganisms	< 0.001 cfu/ml**
Pyrogens (Endotoxins)	< 0.001 Eu/ml***
RNase	< 0.5 pg/ml***
DNase	< 10 pg/ml***

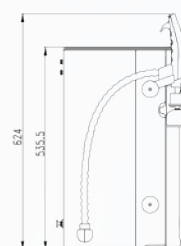
*When TOC Level of feed water is < 50 ppb.

**with a 0.2 μm final filter

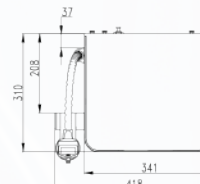
***with a RephiBio filter and ISO Type I water standards



Front view



Side view



Top view

RephiLe Bioscience, Ltd.

Toll Free: +1-855-RephiLe (+1-855-737-4453)

E-mail: info@rephile.com

All rights reserved © 2025 RephiLe Bioscience, Ltd.

RephiLe and NuZar are registered trademarks of

RephiLe Bioscience, Ltd.

All other trademarks mentioned are the property of their respective owners.

™ and ® may be omitted in this brochure.



Literature: RFPR1522502