

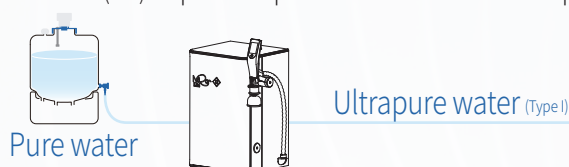
# NuZar Q Lite

## Water Purification System

Q

Pure water to ultrapure water

NuZar Q Lite water system set is a lab water purification system, producing ultrapure water from pure water. One ultrapure water (UP) dispenser is provided in the set to deliver product water with effortless adjustment.



### Key Features

#### Reliable water quality & stable system performance

- ◇ Automatic hourly ultrapure water recirculation

#### Simple installation and maintenance

- ◇ Easy to remove front cover to access consumables

#### Compact and small footprint

- ◇ All-in-one design. Space-Saver
- ◇ Placement flexibility - on the bench or on a wall

#### Low running cost

- ◇ Highly-efficient cartridges



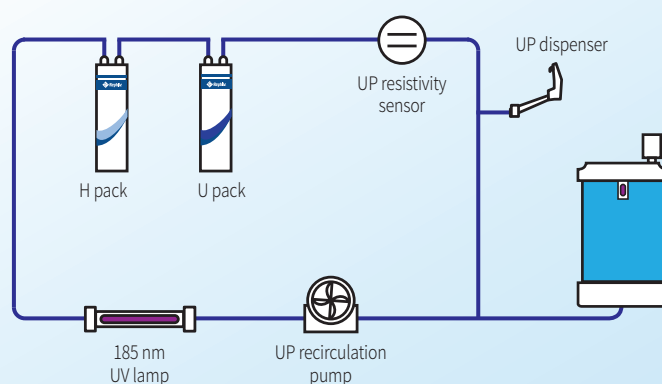
#### Data traceability

- ◇ Automatic data backup for up to 2 years
- ◇ Easy data transfer via USB.

### Main Applications

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

### Flow Schematics



### Water Quality Compliance

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

Systems are manufactured in Rephile's ISO 9001:2015 & ISO 14001:2015 certified facility, and CE marked.

## Components & Parts

### Cartridges - H Pack, U Pack



- 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

### Ergonomic dispenser with 2.4" color touch screen & a 0.2 µm final filter



- Intuitive display - water quality, volumetric dispensing and flow rate & alerts and alarms
- Options of final filter: RephiBio or final filters of other brands



Two dispenser heights for the ultimate in flexibility



Back view of NuZar Q Lite

## Specifications

General Specifications		NuZar Q Lite
Operating voltage		24 VDC
Input Voltage		100 - 240 VAC $\pm$ 10%
Main System Power		< 100 W
Feed Water Requirements		EDI / Deionized / RO / Distilled water
Operating temperature		5 – 35 °C
Feed water pressure		0 - 1 bar (0 - 15 psi)*
Product Water Type		Ultrapure water
Dimensions W x D x H		414 x 310 x 624 mm (16.3 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	< 0.01 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

## Ordering Info

Description	Cat. No.
NuZar water system set, Q Lite	RNLQ00000K

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