

# NuZar U24

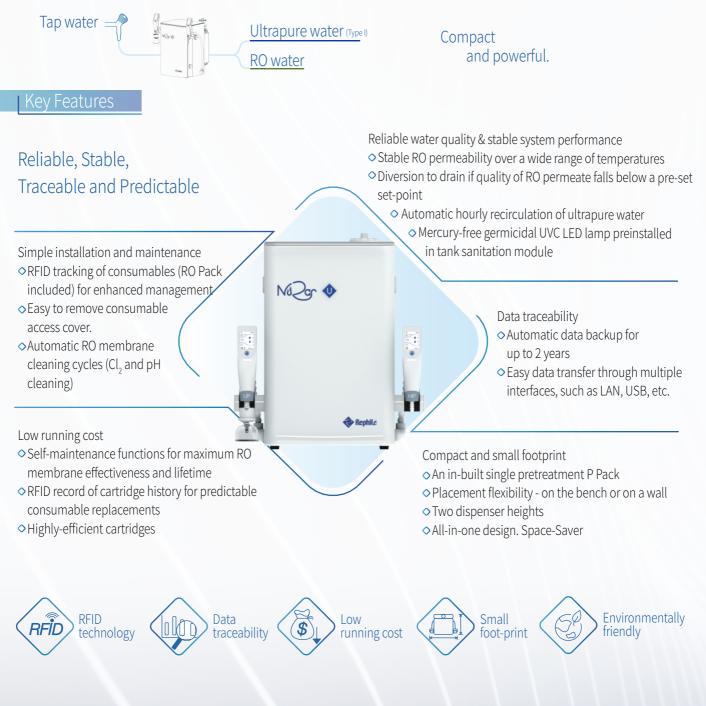
## Water Purification System

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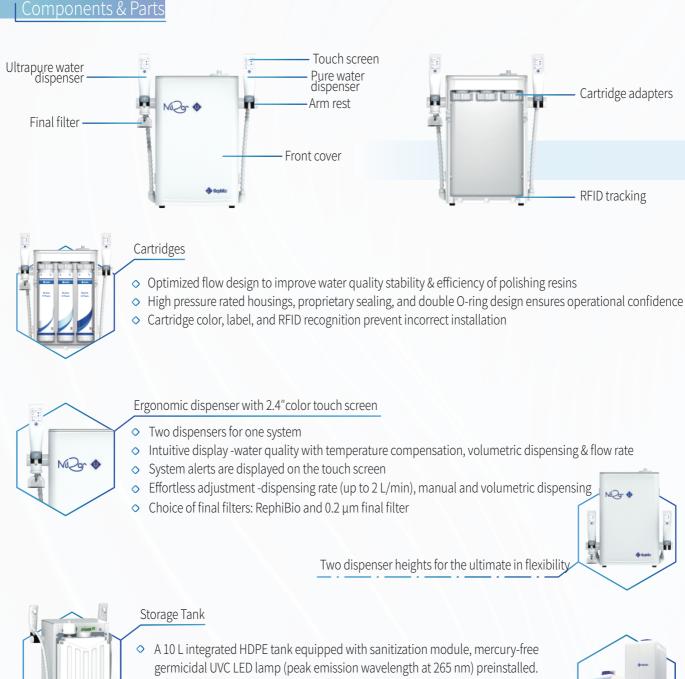
### Tap water to ultrapure & RO water (24 L/h)

NuZar U24 water system set is a two-in-one integrated water purification system, producing ultrapure water and reverse osmosis water directly from tap water. The system can deliver up to 2 liters of ultrapure water per minute and produce 24 liters of RO water per hour.

The NuZar systems introduce a unique series to the RephiLe water purification portfolio. They are specifically designed for laboratories that demand a balance between cost of ownership and exceeding their purified water requirements.







Extendable to 30/60/100/350 L (with mercury-free tank sanitization module) if needed



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

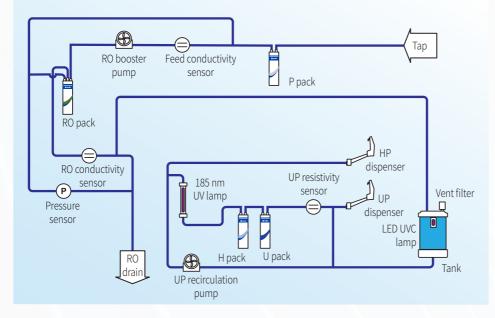
#### Ultrapure water

- 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

#### RO water

- Washing machine for glassware cleaning
- Feed water for laboratory animals
- Feed water for humidifiers, autoclaves, etc.
- Water supply for ultrapure water systems
- Hydroponics

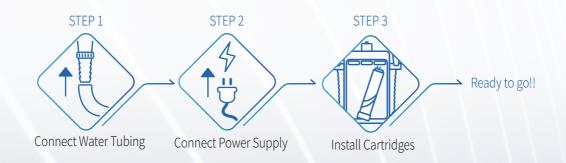


RephiLe NuZar systems incorporate advanced technologies and optimized flow paths to ensure exceptional water quality for customers' applications.

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



www.rephile.com



l	Ordering Info				
	Description			Cat. No.	
	NuZar water system set, U24			RN0U020T1K	
-	Nuzar water system set, 024				
l	Specifications				
	General Specifications			NuZar U	
	Operating voltage			24 VDC	
	Input voltage			100 - 240 VAC	
	Main system power			< 190 W	
	Feed Water Requirements				
	Feed water			Tap water	
	conductivity	vity		< 2000 µS/cm	
	TDS			< 1000 ppm	
	Operating temperat	ure	5 – 35 °C		
	Feed water pressure			1 – 6 bar (15 – 90 psi)	
	Product Water Type			Ultrapure & RO	
			/		
	Dimensions W x D x H	w/ integrated tank		491 x 422 x 624 mm	
				(19.3 x 16.6 x 24.5 in)	
	Weight	net		21 kg	
	(Approximate)	gross		30 kg	
	(177 - 51000 - 50 Kg				
	Product water Specifications				
	Ultrapure water				
	Dispenser rate	oenser rate		Up to 2 L/min	
	Resistivity (@25°C)			18.2 MΩ·cm	
	ТОС			< 5 ppb*	
	Particles			No Particles with size > 0.22 µ	

1m\*\* Particles Microorganisms < 0.001 cfu/ml\* < 0.001 Eu/ml\*\*\* Pyrogens (endotoxins) < 0.5 pg/ml\*\*\* RNase DNase <10 pg/ml\*\*\* • RO water Production rate (@25°C) 24 L/hr Conductivity (@25°C) Typically < 20 µS/cm 97 to 98% ionic rejection (new RO cartridge) RO rejection > 99% organic rejection > 99% particulates & bacteria rejection

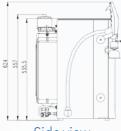
\*When TOC Level of feed water is < 50 ppb.

\*\*with a 0.2 μm final filter

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



Front view



Side view



RephiLe Bioscience, Ltd.

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Literature: RFPR1512403

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