

Direct Pure | Direct Pure Water System, Q

Generates ultrapure water from pure water, producing up to 2 liters of ultrapure water per minute.

The upgraded Direct Pure water system offers greater convenience in every aspect of use, including enhanced process control, data traceability, and assured performance.

This system is manufactured in our production facility, which is registered under the ISO 9001:2015 and ISO 14001:2015 standards. Additionally, It is CE and RoHS certified.



Direct Pure Q

Direct Pure Q Extended

Key Features

Reliable water quality

- Automatic hourly recirculation of ultrapure water
- A universal inlet water level sensor to prevent system failures caused by air intake
- On-line TOC measurement based on complete oxidation methodology

Data traceability

- Automatic data backup for up to 2 years
- Easy data transfer via multiple interfaces, including LAN, USB

Low running cost

- High-efficiency cartridges and energy-efficient components
- All-in-one design. Space-Saver

Easy to use

- An intuitive touchscreen menu allows you to easily access to real-time water quality monitoring, manual and volumetric dispensing, adjustable flow rates, and system alerts
- Quick installation. Simple maintenance and upkeep
- Placement flexibility

Environmentally friendly

- Digital and paperless data management
- Manufactured using green energy sources



Specifications

Parameter	Direct-Pure Q	
Electrical specifications		
Operating voltage	24 VDC	
Input voltage	100 - 240 VAC	
Main system power	< 190 W	
Feed Water Requirements	EDI / Deionized / RO / Distilled water	
Conductivity / TDS	< 100 µS/cm @ 25 °C	
Temperature	5 - 35 °C (41 - 95 F)	
Pressure	0 - 1.0 bar (0 - 15 psi)	
Product Water Type	Ultrapure water	
Dimensions & Weight		
Dimensions W x D x H	with 10 L tank	414 x 422 x 624 mm (16.3 x 16.6 x 24.5 in)
	w/o 10 L tank	414 x 310 x 624 mm (16.3 x 12.2 x 24.5 in)
Weight	net	18 kg
	gross	27 kg

Product Water Quality	Direct-Pure Q
Dispenser rate	Up to 2 L/min
Resistivity (@ 25 °C)	18.2 M Ω ·cm
TOC*	< 5 ppb
Particles (> 0.2 μm)**	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

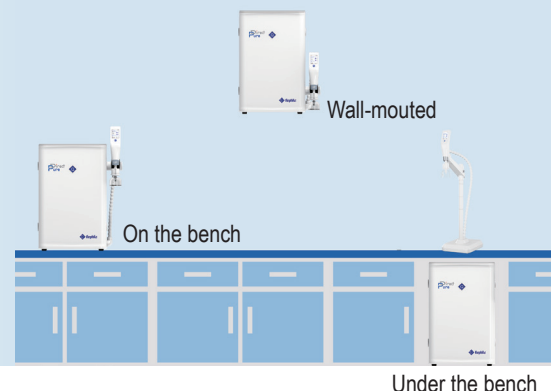
* Under appropriate operating conditions..

** with a 0.2 μm final filter

*** with a RephiBio filter

Water Quality Compliance

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



Cartridges

- High pressure rated housings
- Double O-ring sealing
- Color-coded labels
- Clear identification markings



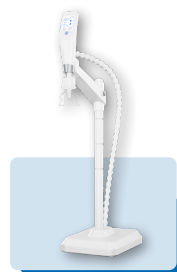
Final filter

- 0.2 µm PES high flux capsule filter
- RephiBio filter for pyrogen-, nuclease-, protease- and bacteria-free water
- Final filters from other suppliers



Feed water tank (optional)

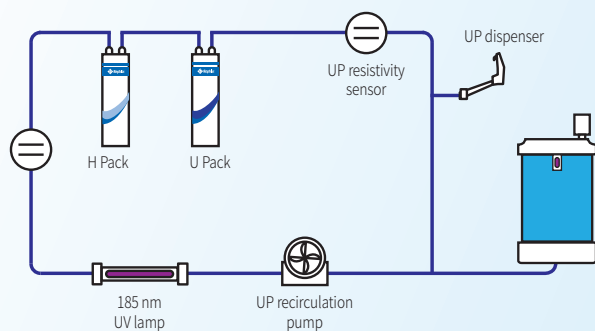
- A 10-liter integrated HDPE tank
- Equipped with a tank sanitization module



Remote dispenser

- For Direct Pure Q Extended
- 3-meter away from the system
- Height-adjustable
- 360 degree rotatable

Flow Schematic



Ordering Info

Description	Cat. No.
Direct Pure water system, Q set	RS0Q00000K
Direct Pure water system, Q set, with 10L tank	RS0Q0000TK
Direct Pure water system, Q Extended set	RS0QP0000K
Direct Pure water system, Q TOC set	RS0Q000T0K
Direct Pure water system, Q TOC Extended set	RS0QP00T0K

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