

# Direct Pure Water System, U+

Generates ultrapure and DI water from tap water, producing up to 900 liters of purified water per day.

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 U+

Direct Pure U+ Extended

## Key Features

### Reliable water quality

- Stable RO permeability over a wide range of temperatures
- Diversion to drain if quality of RO permeate falls below set-point
- Automatic hourly recirculation of ultrapure water

### 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

## Designed for Pure Simplicity

### 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

- A mercury-free 265 nm germicidal UV lamp
- Digital and paperless data management
- Manufactured using green energy sources



## Specifications

Parameter		Direct-Pure U+
Electrical specifications		
Operating voltage		24 VDC
Input voltage		100 - 240 VAC
Main system power		< 190 W
Feed Water Requirements		
Conductivity / TDS		< 2000 μS/cm @ 25 °C / < 1000 ppm
Temperature		5 - 35 °C (41 - 95 F)
Pressure		1.0 - 6.0 bar (15 - 90 psi)
Product Water Type		Ultrapure water & DI 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	21 kg
	gross	30 kg

### Water Quality Compliance

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

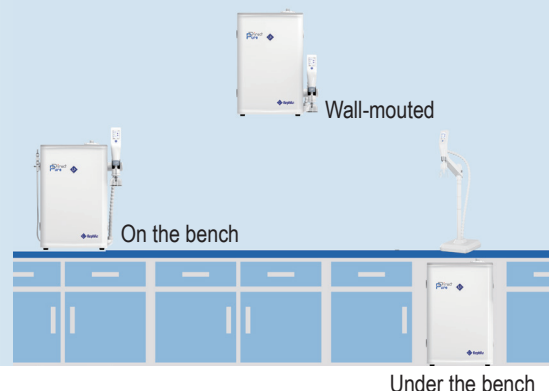
Quality of DI water meets or exceeds ASTM, CLSI, CAP and ISO Type II water standards and also complies with the Purified Water requirements from the European and U.S. Pharmacopoeia.

Product Water Quality	Direct-Pure U+
DI water	
Dispenser rate	Up to 2 L/min
Resistivity (@ 25 °C)	> 1 M $\Omega$ ·cm
Silica	< 3 ppb
RO rejection	97 - 98% ionic rejection (new RO cartridge), > 99% organic rejection, > 99% particulates & bacteria rejection
Ultrapure water	
Dispenser rate	Up to 2 L/min
Resistivity (@ 25 °C)	18.2 M $\Omega$ ·cm
TOC*	< 5 ppb
Particles (> 0.2 $\mu$ m)**	No particles with size > 0.22 $\mu$ m
Microorganisms**	< 0.001 cfu/ml
Pyrogens (endotoxins)***	< 0.001 Eu/ml
RNase***	< 0.5 pg/ml
DNase***	< 10 pg/ml

\* In the appropriate operating conditions.

\*\* with a 0.2  $\mu$ m final filter

\*\*\* with a RephiBio filter



### Cartridges

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



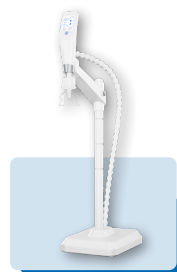
### Final filter

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



### Storage tank

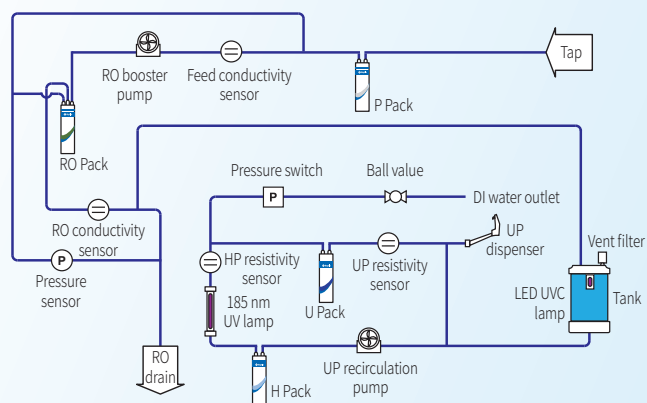
- A 10-liter integrated HDPE tank
- Scalable to 30/60/100/350 liters
- Equipped with a tank sanitization module



### Remote dispenser

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

## Flow Schematic



## Ordering Info

Description	Cat. No.
Direct Pure water system, U+ 24 set	RSHU02000K
Direct Pure water system, U+ 24 set, with 10L tank	RSHU0200TK
Direct Pure water system, U+ 45 set	RSHU04000K
Direct Pure water system, U+ 45 set, with 10L tank	RSHU0400TK
Direct Pure water system, U+ 24 Extended set	RSHUP2000K
Direct Pure water system, U+ 24 Extended set, with 10L tank	RSHUP200TK
Direct Pure water system, U+ 45 Extended set	RSHUP4000K
Direct Pure water system, U+ 45 Extended set, with 10L tank	RSHUP400TK

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