

# PURIST<sup>®</sup> Ultrapure Water Systems

Ultrapure water for critical laboratory applications

**PURIST ultrapure water system produces Type I ultrapure water from RO, distilled or deionized water. Product water quality meets or exceeds CLSI and CAP Type I water standards. The system is CE and FCC certified.**

*Compact Size, Easy Operation and Maintenance*

**NEW** Real-time TOC and Bluetooth Now Available !

## Features

### Optimal Quality

- Preventing microbial growth with automatic system recirculation
- Eliminating bacteria and reducing TOC to trace level by a dual wavelength UV lamp
- Top quality water produced from large-capacity purification cartridges
- Low running cost with guaranteed performance
- Manufactured in an ISO9001:2008 certified facility

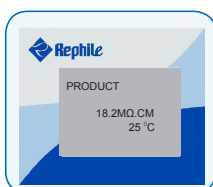
### Easy to Use

- Small footprint that takes up minimal bench space
- Flexible choices of final filters to match different needs (e.g. filters to remove bacteria / RNase / Endotoxin etc.)
- Ergonomic design to ensure simple installation and smooth operation
- Minimal maintenance



### Independent Ultrapure Water Dispenser

- Built-in high precision resistivity sensor with cell constant of 0.01 cm<sup>-1</sup>.
- Volumetric dispensing and calibration.
- With a 360 degree-rotatable and detachable handle.
- Height adjustable.
- With remote control and diagnosis capability from your mobile devices (for TOC models).



### Multi-functional Control Panel

- Volumetric dispensing and calibration
- Alarms and maintenance info on a large color LCD screen
- Real-time monitoring of system status:
  - Product water quality/resistivity
  - Cartridge/UV lamp remaining
  - service life



### RephiQuatro U Pack

- The patented large capacity ultrapurification cartridge
- Minimal dead water volume
- Production of ion-free and organic-free ultrapure water
- Choices of ultrapurification cartridges for feed water types

## Specifications

	PURIST UV	PURIST
<b>Feed Water Requirements</b>		
Feed water	EDI water, RO water, Distilled water, Deionized water	EDI water, RO water, Distilled water, Deionized water
Operating temperature	5 - 45 °C	5 - 45 °C
Feed water pressure *	0 - 15 psi (0 - 1 bar)	0 - 15 psi (0 - 1 bar)
<b>Product Water Quality</b>		
Flow rate (@25°C )	1.0 - 1.5 L/min	1.0 - 1.5 L/min
Resistivity (@25°C )	18.2 MΩ ·cm	18.2 MΩ ·cm
TOC level **	< 5 ppb	< 10 ppb
Particles (> 0.2 µm)	< 1 /ml ***	< 1 /ml ***
Microorganisms	<0.1 cfu/ml ***	< 0.1 cfu/ml ***
Pyrogens (endotoxins)	< 0.001 Eu/ml (with a terminal ultrafiltration filter)	< 0.001 Eu/ml (with a terminal ultrafiltration filter)
<b>Dimensions</b>		
Length × Depth × Height	21 cm × 35 cm × 44 cm	21 cm × 35 cm × 44 cm
Net weight (operation weight)	7 kg (11.5 kg)	6 kg (10.5 kg)

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

\*\* When TOC Level of feed water is < 50 ppb \*\*\* with a 0.2 µm final filter or terminal ultrafiltration filter

## Applications

**A single solution to fit your various laboratory water demands:**

Preparation of  
 - Samples  
 - Buffers  
 - Media  
 - Reagents

Water used in  
 - GC, HPLC, AA, ICP-MS  
 - Cell culture  
 - Molecular biology  
 - Nanotechnology

## Ordering Information

Description	Catalog No.
<b>Water Systems</b>	
PURIST UV Ultrapure Water System, 100 - 240 V	RS2200QUV
PURIST Ultrapure Water System, 100 - 240 V	RS2200QSS
PURIST UV Ultrapure Water System, 100 - 240 V, with dispenser	RS2200QUPV
PURIST UV Ultrapure Water System, 100 - 240 V, with dispenser and TOC	RS2200QTVP
<b>Consumables</b>	
RephiQuatro U Pack Cartridge (RO Feed)	RR100Q101
RephiQuatro U Pack Cartridge (DI Feed)	RR100Q201
RephiQuatro U Pack Cartridge (Low TOC)	RR100Q301
RephiQuatro U Pack Cartridge Kit with 0.2 µm final filter (RO Feed)	RR100Q1KT
RephiQuatro U Pack Cartridge Kit with 0.2 µm final filter (DI Feed)	RR100Q2KT
RephiQuatro U Pack Cartridge Kit with 0.2 µm final filter (Low TOC)	RR100Q3KT
0.2 µm PES Capsule Filter	RAFFC0200
UV Lamp, Dual Wavelength 185/254 nm	RAUV135B1

## RephiLe provides complete water purification solutions

For best results in using PURIST water system, RephiLe recommends using feed water produced from Direct-Pure EDI (Type II water) or Direct-Pure RO systems.



Water Softener



Direct-Pure EDI



PE Tank



PURIST UV

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