PURIST® 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 RoHS certified.

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

RephiBlue mobile app 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 ISO 9001:2015 certified facility

Easy to Use

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

Independent Ultrapure Water Dispenser

- Built-in high precision resistivity sensor with cell constant of 0.01 cm^{-1}
- Volumetric dispensing and calibration
- With a 360 degree-rotatable and detachable handle
- Height adjustable
- With RephiBlue mobile app for remote control and diagnosis from your mobile devices

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

Compact Size. Easy Operation and Maintenance

Specifications

	PURIST UV	PURIST
Feed Water Requirements		
Feed water	EDI water, RO water, Distilled water, Deionized water	EDI water, RO water, Distilled water, Deionized water
Operating temperature	5 - 45 ℃	5 - 45 ℃
Feed water pressure *	0 - 1 bar (0 - 15 psi)	0 - 1 bar (0 - 15 psi)
Product Water Quality		
Flow rate (@ 25℃)	1.0 - 1.5 L/min	1.0 - 1.5 L/min
Resistivity (@ 25℃)	18.2 MΩ·cm	18.2 MΩ·cm
TOC level **	< 5 ppb	< 10 ppb
Particles (> 0.2 µm)	No Particles with size > 0.22 µm ***	No Particles with size > 0.22 µm ***
Microorganisms	< 0.01 cfu/ml ***	< 0.01 cfu/ml ***
Pyrogens (endotoxins)	< 0.001 Eu/ml	< 0.001 Eu/ml
RNase	< 0.5 pg/ml	< 0.5 pg/ml
DNase	< 10 pg/ml	< 10 pg/ml
Dimensions		
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 RephiBio filter ****with a RephiBio filter

Ordering Information

Description	Catalog No.
Water Systems	
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	RS2200QUVP
Accessories and Consumables	
Pressure Regulator Kit	RAPR58562
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

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

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.

RephiTEKT → Direct-Pure EDI → PE Tank → PURIST UV

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