

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 FCC certified.

Compact Size, Easy Operation and Maintenance

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

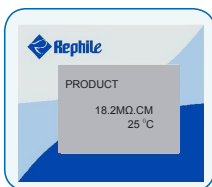
Easy to Use

- 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

- The remote dispenser has a built-in high precision resistivity sensor with cell constant of 0.01 cm⁻¹ to measure the quality of ultrapure water just prior to the dispensing point.
- Volumetric dispensing and calibration.
- The handle is 360 degree-rotatable and detachable from its support for effortless and instant dispensing with maximum flexibility.



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 |
|--------------------------------|--|--|
| 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 °C | 5 - 45 °C |
| Feed water pressure * | 0 - 15 psi (0 - 1 bar) | 0 - 15 psi (0 - 1 bar) |
| Product Water Quality | | |
| 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) |
| 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 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. |
|---|-------------|
| 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 | RS2200QUVF |
| Consumables | |
| 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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