

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



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



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

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

Specifications

	PURIST UV Ultrapure Water System	PURIST Ultrapure Water System
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	< 1 cfu/ml ***	< 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	205 mm × 350 mm × 450 mm	205 mm × 350 mm × 450 mm
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)

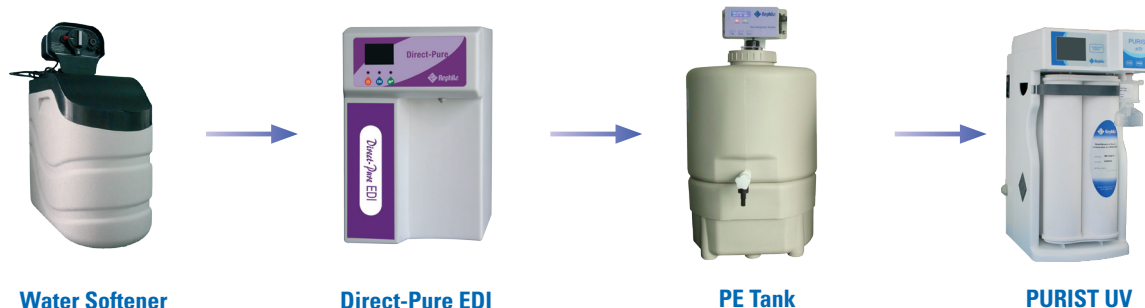
** When TOC Level of feed water is < 50 ppb *** With a 0.2 µm final filter or terminal ultrafiltration filter

Ordering Information

Description	Catalogue No.
Water Systems	
PURIST UV Ultrapure Water System, 230V	RS2200QUV
PURIST Ultrapure Water System, 230V	RS2200QSS
PURIST UV Ultrapure Water System, 110V	RS1100QUV
PURIST Ultrapure Water System, 110V	RS1100QSS
Consumables	
RephiQuatro U Pack Cartridge (RO Feed)	RR100Q101
RephiQuatro U Pack Cartridge (DI Feed)	RR100Q201
RephiQuatro U Pack Cartridge Kit with 0.2 µm final filter (RO Feed)	RRQ1FFSKT
RephiQuatro U Pack Cartridge Kit with 0.2 µm final filter (DI Feed)	RRQ2FFSKT
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.



All rights reserved © 2014 RephiLe Bioscience, Ltd.
 RephiLe, PURIST, Direct-Pure are registered trademarks of RephiLe Bioscience, Ltd.. RephiQuatro, LeFil, OrganeFil are trademarks of RephiLe Bioscience, Ltd.
 TM and (R) may be omitted in this brochure.

RephiLe Bioscience, Ltd.

Toll Free: +1-855-RephiLe (+1-855-737-4453)

E-mail: info@rephile.com

Lit No.: RFP0861402