

Direct-Pure[®] EDI

Produce Type II water from tap water directly

Resistivity of the product water is above 5 MΩ·cm at 25 °C, which meets or exceeds Type II water quality as defined by ASTM, CAP, CLSI and ISO 3696 / BS 3997 and also complies with the Purified Water requirements from the European and U.S. Pharmacopoeia. The system is CE certified.

Features

- The system incorporates the best in class Siemens EDI module and stringently selected RO membrane, to deliver high quality Type II water consistently at a relatively low cost.
- The system is equipped with a safeguard cartridge to provide complete protection of RO membrane and EDI module.
- Automatic water quality control programs ensure EDI product water meeting or exceeding Type II water requirements.
- The fully automated control system contains pre-rinse, RO membrane fouling preventing flush, RO membrane life monitoring as well as many other programs for convenient operation.
- The pre-rinsing program starts automatically once a new RO membrane is installed so there is no need for users to set up additional cleaning procedures.
- User can set water dispensing time for easy water collection.
- EDI product water can be dispensed from the water system directly.
- The system can be fit with a 30 or 60-liter PE tank with a liquid level sensor and a tank vent filter with CO₂ scavenger to preserve EDI water from the air contamination.
- Rephile can provide full document support to meet user's GMP, GLP, FDA and other certification requirements.

Main Applications

Type II pure water can be used in many areas. Some of the typical applications are:

- Preparation of chemical and bio-reagents
- Preparation of culture media
- Preparation of solutions for chemical analysis such as HPLC and ICP
- For clinical analyzers
- Medical device and equipment rinsing
- For serum and blood fractionation
- For ophthalmics
- Feed water for ultrapure water systems



*Consistent and Reliable
 Optimized Operation Costs*

A combination of advanced technologies

Accessories

Water Softener



- ◆ To prevent the RO membrane and EDI module from scaling

Pre-filtration Kit



- ◆ To protect RO membrane and EDI module to maximize the lifetime of the system

PE Water Reservoir



- ◆ Designed to minimize the risk of bacteria growth and air-borne contamination during the storage

Tank Sanitization Module



- ◆ To inhibit growth of microbes inside the tank

Specifications

Direct-Pure EDI	
Feed Water Requirements	
Tap water	Municipal water, TDS <1000 ppm (2000 µS/cm)
Operating temperature	5 - 45 °C
Feedwater pressure	15 - 90 psi (1 - 6 bar)
Product Water Flow Rate	
Type II water (@ 25°C)	5 and 10 L/hr
Product Water Quality	
Resistivity (@ 25°C)	> 5 MΩ ·cm (typically 10 -15 MΩ ·cm)
TOC*	< 30 ppb
Particles (> 0.2 µm)	< 1/ml (with a 0.2 µm final filter or terminal ultrafiltration cartridge)
Microorganisms	< 1 cfu/ml (with a 0.2 µm final filter or terminal ultrafiltration cartridge)
Pyrogens (endotoxins)	< 0.001 Eu/ml (with a terminal ultrafiltration cartridge)
Dimensions	
Length x Depth x Height	303 mm × 511 mm × 482 mm

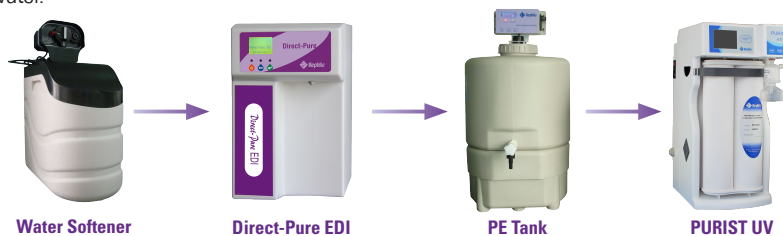
* Product water quality may vary due to local feed water conditions.

Ordering Information

Description	Catalogue Number
Direct-Pure Water System, EDI 5	RD0E00500
Direct-Pure Water System, EDI 5 UV	RD0E005UV
Direct-Pure Water System, EDI 10	RD0E01000
Direct-Pure Water System, EDI 10 UV	RD0E010UV
Consumables	Catalogue Number
RephiDuo P Pack Cartridge	RR300CP01
0.2 µm Final Capsule Filter, 1/Pk	RAFFC0200
254 nm UV Lamp	RAUV357A1
Reverse Osmosis Membrane with housing	RAR0100HG
30-liter PE Tank	RATANK030
60-liter PE Tank	RATANK060
Tank Sanitization Module	RAPRC0102
Tank Vent Filter	RATANKVN1
Leak Protector with Auto Water Shutoff Valve	RAPRC0111
Prefiltration Kit (10", 3-stage)	RW10311KT
Polypropylene Depth Filter, 10 Inches, 1 µm, 12/Pk	LABPA0112
Polypropylene Depth Filter, 10 Inches, 10 µm, 12/Pk	LABPA1012
Activated Carbon Cartridge, 10 Inches, 12/Pk	LABAC1012
Softening Cartridge, 10 Inches, 12/Pk	LABAT1012
200lph Water Softener System (Auto-regeneration, a complete set)	LAB0200AT
200lph Activated Carbon Filter (Auto-backwashing)	LAB0200AC

RephiLe provides complete water purification solutions

RephiLe not only supplies the lab with Type II water systems, but also offers total water purification solutions for pretreatment, storage and production of ultrapure water.



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