

RenseWAI



RenseWAI GP

RenseWAI GP Ultrapure water system produces, Type I Ultrapure water, from either RO or Distilled or De-Ionized water or (RO + EDI) as feed water source and it is designed for critical laboratory applications, offering desired solutions for research professionals, who work with varieties of applications utilizing Type I Ultrapure water in the lab.

Features

Design & Functions

- The system can be linked to multiple dispensers via wired or wireless.
- The main system can be either wall-mounted or set on the shelf or under the sink, to save precious lab space.

Effective TOC level control

- Built-in 185/254 nm dual wavelength lamp reduces TOC level in ultrapure water.
- On-line TOC monitor based on complete oxidation methods (for TOC models only).

Easy Operation and Maintenance

- Performance history, alarms and alerts information, maintenance data of consumables as well as key parts are logged and traceable from a simple RFID scan at installation.
- RFID tags ensure perfect placement of consumables and trace their performance.
- Water quality, operation parameters, the status of the system, dispensers, components, and peripheral devices are stored and displayed on the large color touch screen monitor.
- Signature verification for maintenance and service.





Cartridges and Parts

1. Cartridge

- Ultra purification cartridge is filled with LeFiITM and OrganeFiITM media to remove trace ions and organics.
- A full range of cartridges for various applications including ultra-low TOC, low Mg, low boron, ICP and DI type.

2. Control console

- An 8-inch console controls system and peripheral devices. All operations can be done on the console by touching the screen.
- The control console can be placed on the bench or inside a drawer for further flexibility and space saving.
- The console screen and dispenser screens are water-proof. User can operate the console and dispenser with latex gloves on.
- The system has two level password protection on display menu for safety & security purposes.

3. Dispenser

- The volumetric function can automatically deliver the water volume you need once it is set up.
- With the adjusting button on a control console or a dispenser, you can dispense water at the flow rate you need up to 2 liters per minute.
- A dispenser handle can be set on the dispenser stand, on the main system, or even hanging onto other places to free up maximum bench space.

4. Final Filter

- Various final filters (optional) are applicable to ensure ultrapure water without particles, bacteria or pyrogen.

Main Applications

Ultrapure Water

- HPLC mobile phase preparation
- Preparation of reagent blank solution
- As sample diluents for GC, HPLC, AA, ICP-MS and other analytical techniques
- Preparation of buffer and culture media for mammalian cell culture
- Preparation of molecular biology reagents, etc.

Main Specification

Feed Water Requirements

- Feed Water – Either (RO + EDI) or RO water or Distilled water or De-Ionized water
- Feed water conductivity < 5 μ S/cm or lesser
- Feed water pressure – (0 – 1) bar or (0 – 15) psi
- Operating temperature (5 – 35) $^{\circ}$ C



Flow rate

- Type 1 or Ultrapure Water dispensing flow rate - Upto 2 L/min

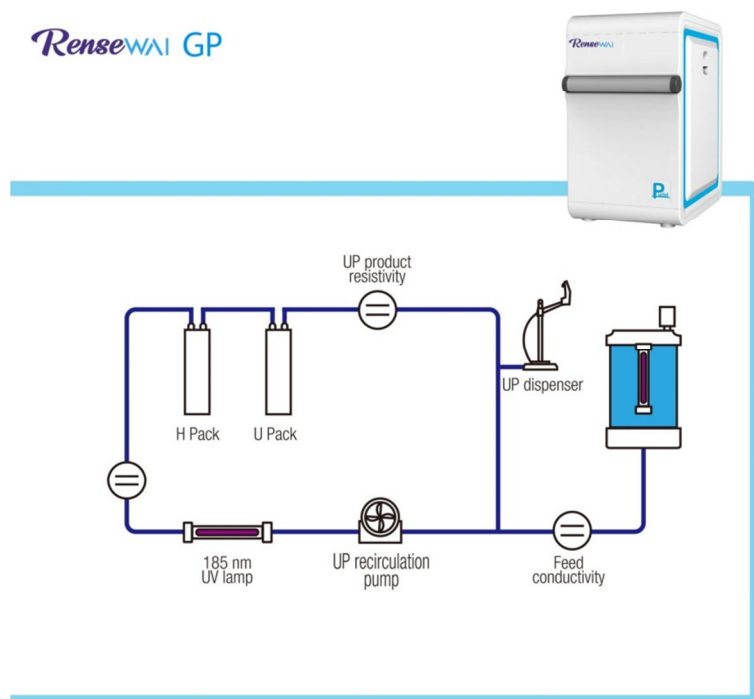
Product Water Quality

- Type 1 Ultrapure water resistivity (@25°C) – 18.2 MΩ·cm
- Type 1 Ultrapure water TOC < 5 ppb (If feed water TOC < 30 ppb, preferably with (RO + EDI) technology)
- Particles in Ultrapure water of > 0.2 μm - No particles (with a 0.2 μm final filter or Bio filter unit)
- Microorganisms in Ultrapure water - < 0.01 cfu/ml (with a 0.2 μm final filter or Bio filter)
- Pyrogens (Endotoxins) in ultrapure water < 0.001 EU/ml (with a Bio filter)
- RNase in ultrapure water < 0.5 pg/ml (with a Bio filter)
- DNase in ultrapure water < 10 pg/ml (with a Bio filter)

Power

- Input Voltage - 110 - 240 VAC
- Operating Voltage - 24 VDC
- Wattage < 200 W

Flow Chart



RenseWAI

Ordering Information

Sl.No.	Description	Catalogue No.
1	RenseWAI GP System SET	RW0S00000K
2	RenseWAI GP System SET with TOC	RW0S000T0K

Standard contents of the Set

RenseWAI GP System Set consists of :-

1. Main system
2. Control Console
3. One Dispenser for Type 1
4. UV (pre-installed)
5. H Pack
6. U Pack
7. Final Filter 0.22 micron unit

Photographs (Representative only)



(Disclaimer – Please note photographs are for representation purpose only & can vary from the actual system)

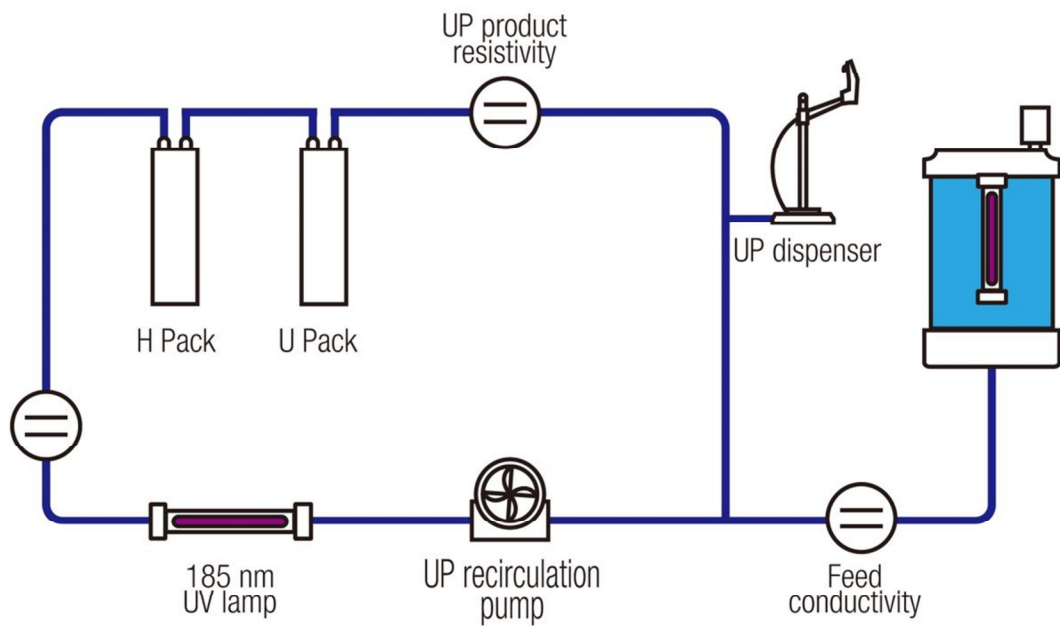


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