

RenseWAI



Catalogue No. - RW0Q00000K

Description – RenseWAI Q

RenseWAI Q water system set produces, Type 1 Ultra-Pure Water, as per ASTM Reagent grade standards, directly from either RO (Reverse Osmosis), Distilled, De-Ionized (pre-filtered thru 0.5 micron absolute filter) or (RO + EDI) grade water.

The RenseWAI Q water purification systems are compact and powerful. They are specifically designed for laboratories that demand a balance between cost of ownership and exceeding their purified water requirements.

Features

Simple installation and maintenance

- RFID tracking of consumables for enhanced management
- Easy to remove consumable access cover.

Reliable water quality and stable system performance

- Automatic hourly recirculation of ultrapure water



RenseWAI

Data traceability

- Automatic data backup for up to 2 years
- Easy data transfer through multiple interfaces, such as LAN, USB, etc.

Low running cost

- Environmentally friendly.
- RFID record of cartridge history for predictable consumable replacements
- Highly-efficient cartridge

Compact and small footprint

- Placement flexibility - on the bench or on a wall
- All-in-one design. Space-Saver

Main Components

1. **Cartridge**

- Optimized flow design to improve water quality stability & efficiency of polishing resins
- High pressure rated housings, proprietary sealing, and double O-ring design ensures operational confidence
- Cartridge color, label, and RFID recognition prevent incorrect installation

2. **Ergonomic dispenser with 2.4" color touch screen**

- Intuitive display - water quality with temperature compensation, volumetric dispensing and flow rate
- System alerts are displayed on the touch screen
- Effortless adjustment - dispensing rate (up to 2 L/min), manual and volumetric dispensing
- Choice of final filters: 0.2 µm final filter





Main Applications

Ultra-Pure Water

- HPLC mobile phase preparation
- Preparation of reagent blank solutions
- Sample diluent for GC, HPLC, ICP-MS or other analytical techniques
- Preparation of buffers and culture media for cell culture
- Preparation of molecular biology reagents, etc.

Specification

Feed Water Requirements

- Feed Water – RO (Reverse Osmosis), Distilled, De-Ionized (pre-filtered thru 0.5 micron absolute filter) or (RO + EDI) grade water.
- Feed water conductivity < 5 $\mu\text{S}/\text{cm}$ or lesser preferable, for enhanced cartridge life)
- Operating temperature (5 – 35) °C
- Feed water pressure - (0 – 1) bar or (0 – 15) psi
(It's recommended to use a water pressure regulator, with attached pressure gauge, if feed water pressure is above 15 psi or > 1 bar)

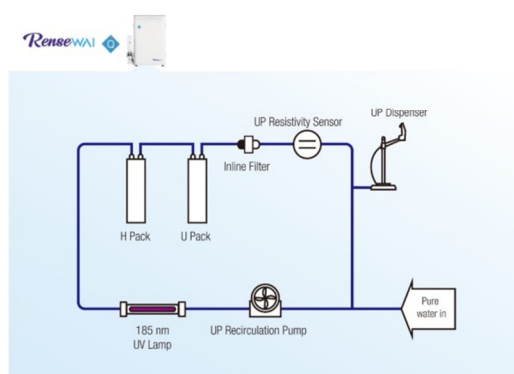
Flow rate

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

Product Water Quality

- Type 1 Ultra-Pure water Resistivity / Conductivity (@25°C) – 18.2 $\text{M}\Omega\cdot\text{cm}$ / 0.054 $\mu\text{S}/\text{cm}$
- Type 1 Ultrapure water TOC < 5 ppb (If feed water TOC < 30 ppb, preferably with (RO + EDI) technology)
- Particles in Ultrapure water - No particles of > 0.2 μm (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)
- Ultra-Pure water dispensing rate - Up to 2 L/min

Flow Chart





Contents of the Set

RenseWAI Q System Set consists of :-

1. Main system
2. UV preinstalled
3. H Pack
4. U Pack
5. Final filter 0.22 micron unit

(Please note feed water reservoir would be needed, based on daily consumption. Not included in the set)

Photographs (Representative only)



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

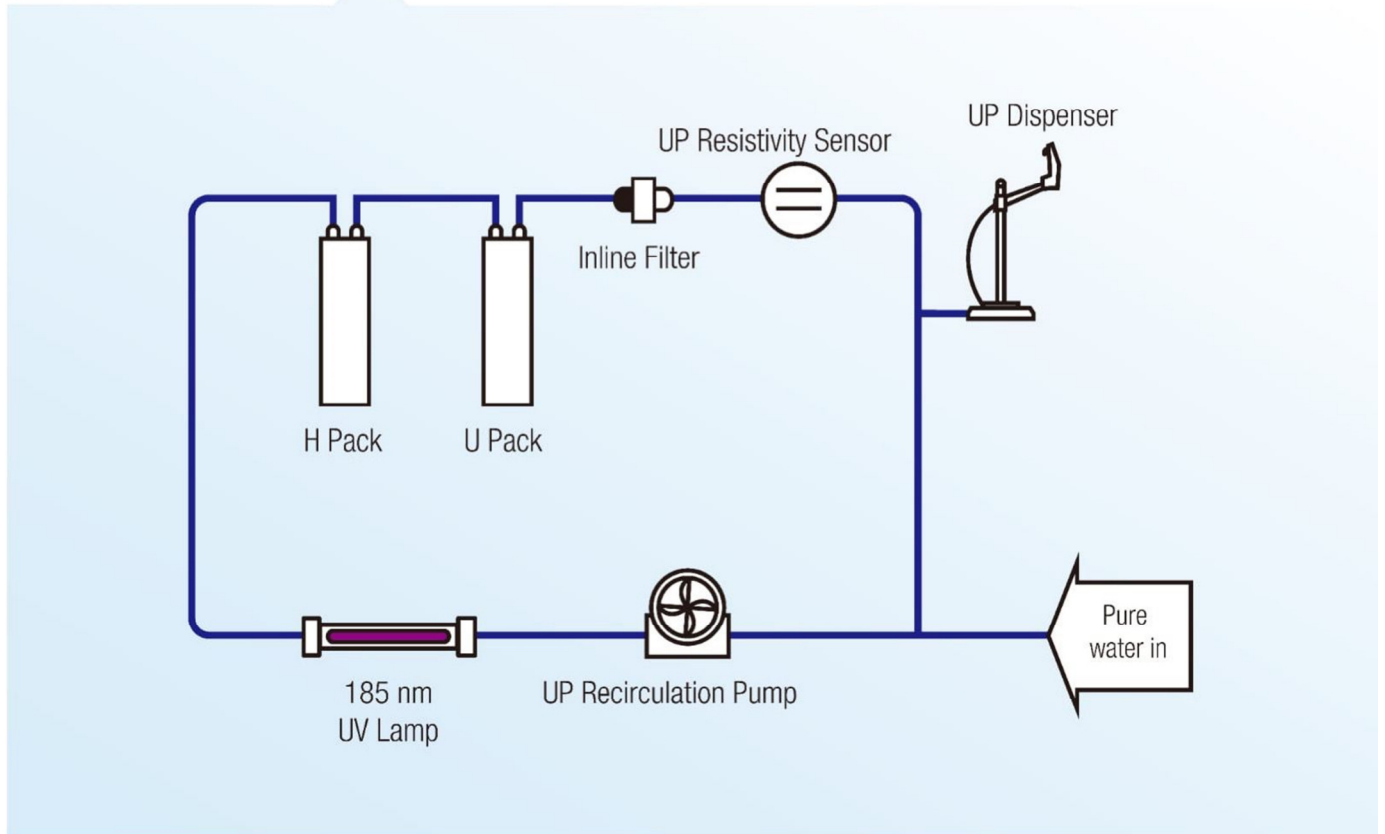


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