Catalogue No. - **RW0E010T1K**

Description – **RenseWAI E10**

RenseWAI E10 water system set produces EDI (Electro De-Ionization) Type 2 grade water as per ASTM standards, directly from potable tap water. It offers desired solutions for research professionals who work with varieties of applications utilizing RO pure water in the lab.

The RenseWAI E10 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 (RO Pack included) for enhanced management
- Easy to remove consumable access cover.
- Automatic RO membrane cleaning cycles (Cl2 and pH cleaning)

Reliable water quality and stable system performance

- Stable RO permeability over a wide range of temperatures
- Diversion to drain if quality of RO permeate falls below a pre-set set-point

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. High recovery rate
- Self-maintenance functions for maximum RO membrane effectiveness and lifetime
- RFID record of cartridge history for predictable consumable replacements
- Highly-efficient cartridge

Compact and small footprint

- An in-built single pretreatment P Pack
- 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

3. **Storage Tank**

- A 10 L quality HDPE tank integrated with the system
- Extendable to 30/60/100/350 L tank if needed

Main Applications

EDI Pure Water

- Preparation of chemical and bio-reagents
- Preparation of culture media / buffer
- Water supply for clinical analyzers
- Medical device and equipment rinsing
- For serum and blood fractionation
- Water supply for ultrapure water systems

Specification

Feed Water Requirements

- Feed Water – Potable Tap Water
- Feed water conductivity < 2000 µS/cm or TDS < 1000 ppm
- Feed water pressure – (2-6) bar
- Operating temperature – (5 – 35) °C

Flow rate

- Type 2 EDI based production rate – 10 L/hr.
- Type 2 EDI based water dispensing rate - Upto 2 L/min

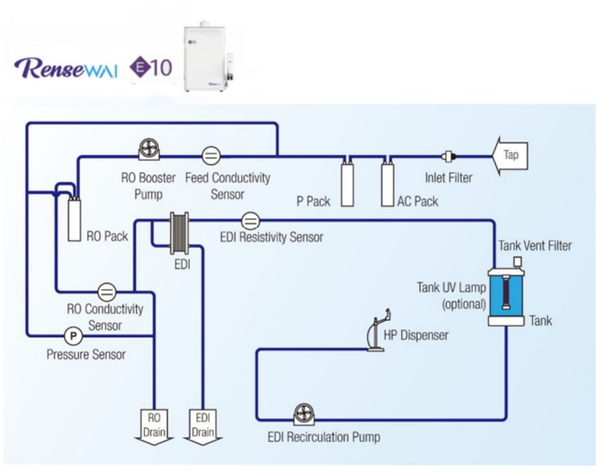
Product Water Quality

- Type 2 or EDI based water quality (@25°C) > 5 MΩ·cm (typically 10 – 16 MΩ·cm)
- Type 2 or EDI based TOC < 30 ppb (Product water quality may vary due to local feed water conditions)

Power

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

Flow Chart



RenseWAI

Contents of the Set

RenseWAI E10 System Set consists of :-

1. Main system

2. RO membrane

3. 10L tank preinstalled

4. Tank vent filter

5. AC Pack

6. P Pack

7. Three stage prefiltration kit (PF Kit)

(1 micron + 10 micron + Carbon Cartridge of 3 micron pore size, included inside PF Kit. Quantity – 1 no. each)

8. External feed booster pump, with high & low pressure auto cutoff switch included.

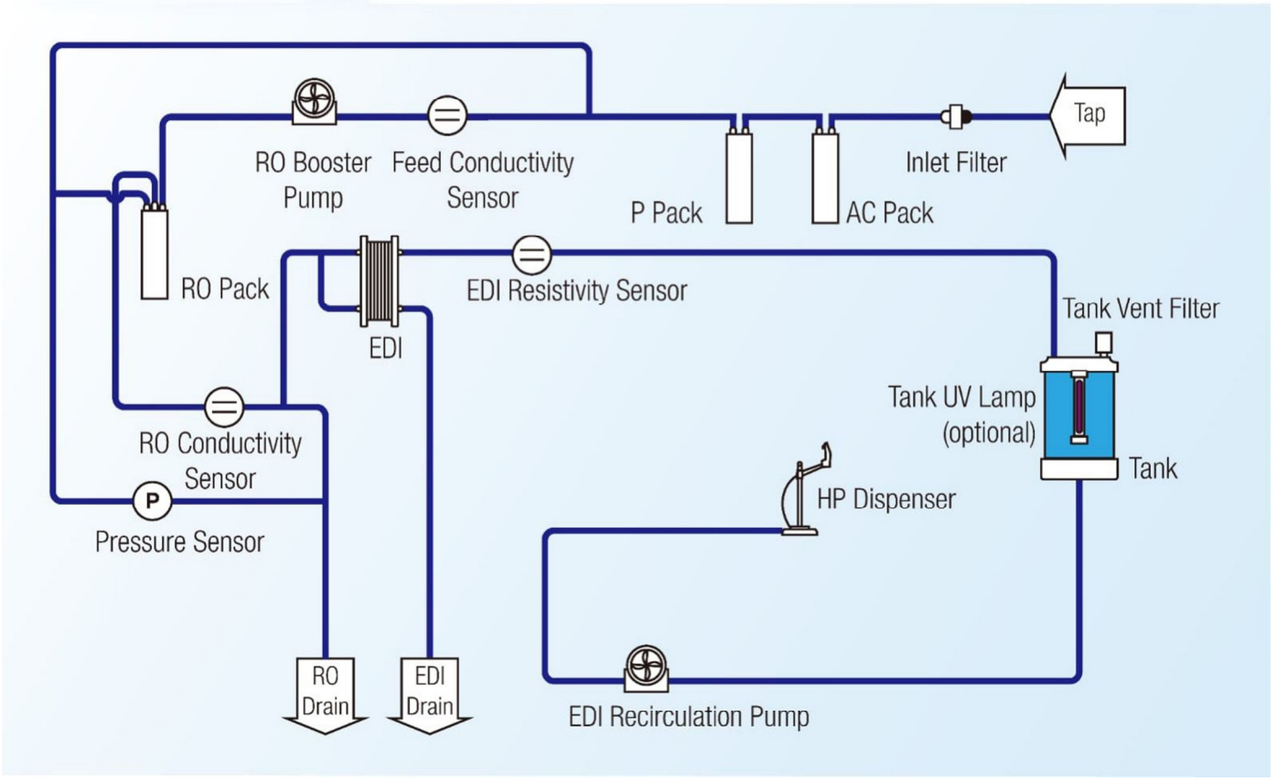
(Included / Needed only in-case, if potable feed water pressure is less than 2 bar)

Photographs (Representative only)

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

RenseWAI


RenseWAI
E10


RO Booster Pump
Feed Conductivity Sensor
P Pack
AC Pack
Inlet Filter
Tap
RO Pack
EDI
EDI Resistivity Sensor
Tank Vent Filter
Tank UV Lamp (optional)
Tank
RO Conductivity Sensor
P
Pressure Sensor
HP Dispenser
RO Drain
EDI Drain
EDI Recirculation Pump

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