Catalogue No. - **RW0R020T1K**

Description – **RenseWAI R24**

RenseWAI R24 water system set produces Reverse Osmosis (RO) water or Type 3 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 R24 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

RO Pure Water

- Washing machine for glassware cleaning
- Feed water for laboratory animals
- Feed water for humidifiers, autoclaves, etc.
- 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 3 RO based production rate – 24 L/hr.
- Type 3 RO based water dispensing rate - Upto 2 L/min

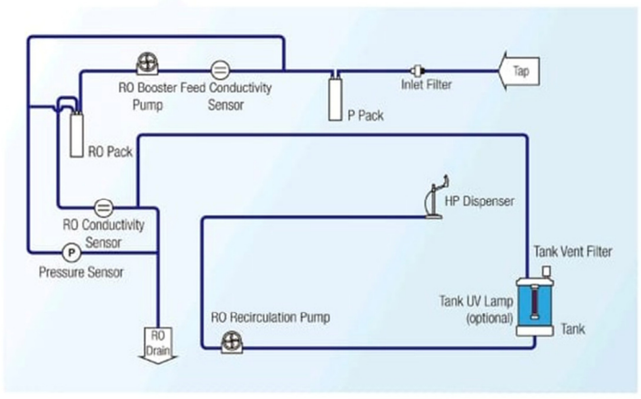
Product Water Quality

- Type 3 or RO based water quality (@25°C) - Typically > 90% Ionic rejection, when compared to the feed water conductivity

Power

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

Flow Chart



Contents of the Set

RenseWAI R24 System Set consists of :-

1. Main system

2. RO membrane

3. 10L tank preinstalled

4. Tank vent filter

5. P Pack cartridge

6. 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)

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

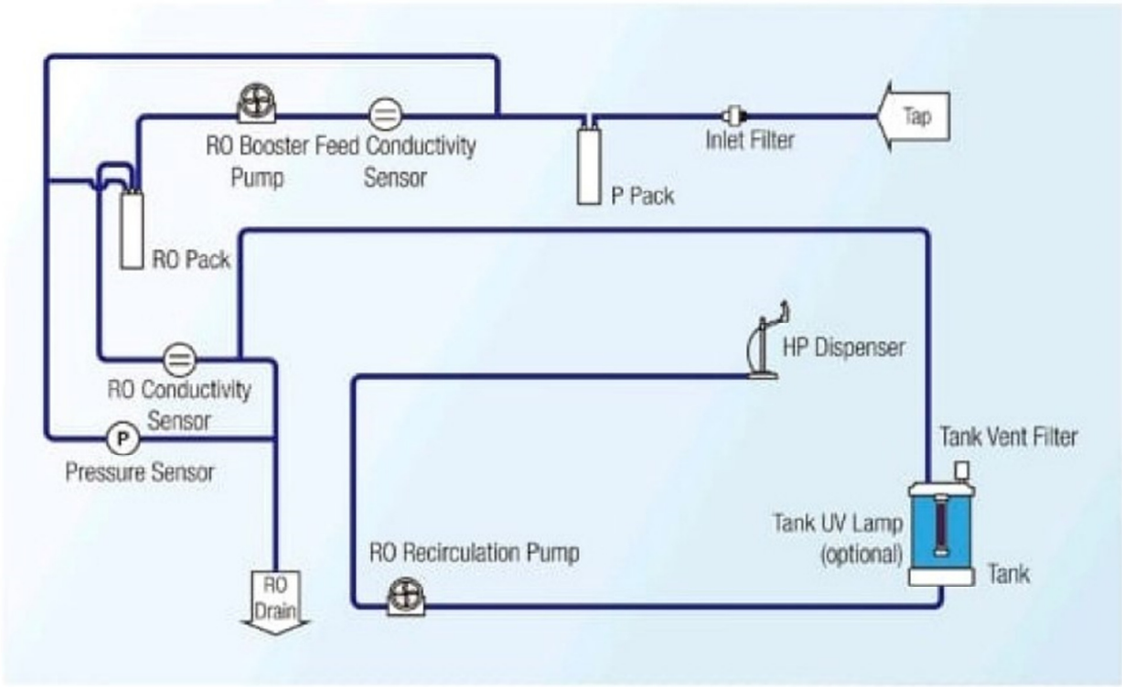
(Included / Needed only in-case, if potable feed water pressure is less than 2 bar)

Photographs (Representative only)

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

RenseWAI

RenseWAI R 24



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