**KANGENSUI**

**RW-100e**

**Home Water Purification and Processing Unit (Under Sink Type)**

**Manufacture and Sale of Medical Equipment approval number:** 224AGBZX00024A02

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### Essential Specifications

- **Rated Voltage:** AC 100V
- **Rated Current:** AC 4.5A
- **Rated Frequency:** 50/60Hz
- **Rated Voltage of Electrolysis:** DC 50V (max.)
- **Electrolysis Tank:** 4 Layered 8 Cells
- **Electrode:** Platinum-coated plate (5 plates)
- **Water Intake Method:** Custom Designed Faucet
- **Water Intake Intake:** Hydrogen Rich Water: Approx. 4 liter/minute (max.)
- **Pipe Pressure Range:** 0.5Mpa (Minimum operating pressure) to 0.7Mpa
- **Usable Water Temperature:** 50 degree Celsius and less
- **Weight (the body):** Approx. 5kg
- **Size (the body):** 310 (W) × 329 (H) × 100 (D) mm
- **Power Cable Length:** Approx. 2.6 m
- **Water Purification Cartridge**
- **Electrolysis Tank Cleaning System:** Double Auto-Change Cross-Line System
- **Power Circuit Switching Regulator Control System**
- **Malfunction Protection Features:** Constant Current Control Circuit, Overheating Protection Device

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**Water Intake Method**

- **Replacement Cartridge**
  - The cartridge can easily be removed from the body of unit by pulling up about 40cm high.
  - The service life and filtering capacity of the Micro-Carbon Cartridge is 1 year or 12 tons.

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**Memo (Sales rep information, etc.):**

**Accessories**

- Custom Designed Faucet
- pH Testing Solution Kit
- Shut-off Valve
- Faucet Mounting Stabilizer
- Solenoid Valve
- Connecting Hoses
- Flexible Pipe
- Quick Fastener

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*The Water Purification Cartridge’s Filtering Capacity may change by quality of processed water.

*When the presumed residual chlorine concentration of general raw water is 2 ppm, the cartridge reaches its full filtering capacity at 0.4 ppm in the residual chlorine concentration of the processed water.

*The design and specifications of this product may change for its improvement, without a notice.*

*An additional fee will be charged for an irregular installation of the unit.*
Water consists a full of hydrogen.
Hydrogen Rich Water is produced from electrolysis of water.

In the chemical formula, water is "H2O", consists of two Hydrogen and one oxygen, and normally there are inseparable while being water.

The calorimetry of electrolysis is equivalent to energy of heating water up to 12,000 degrees. Because of using this much of energy, hydrogen and oxygen can be disconnected from one another.

There are many water pacifiers on the market; however, SANWA's products are exceptional. Because KANGENSUI is not only a home water purification and processing unit, but also a medical equipment, certified by the Ministry of Health, Labor and Welfare.

**[KANGENSUI] electrolyzes Water**

hydrogen-rich water, "Electrolyzed Reduced Water", and oxygen-rich water, "Electrolyzed Acidic Water". These two types of water can be produced.

Not only safe and pure, but also delicious and harmless, Hydrogen Rich Water is to support your healthy life.

Water, we use in our everyday life, while closely related to our living, there are many things we do not know about.

More than 70% of our body is made of water, in which about 2 to 2.5 liters is being replaced every day.

The intake water acts variously in our body; to carry nutrients, maintain body temperature, and discharge unnecessary substances.

Water is vital "source of life" for human beings.

The 21st century that we live is "the Era of Water." Today, pet-bottled mineral water became popular for its taste and convenience. However, it is really safe? It is worth paying for every day?

Think of your family’s well-being and think of a quality of your daily use water.

Look for an alternative to your daily drinking water.
KANGENSUI RW-100e
Home Water Purification and Processing Unit (Under Sink Type)
WACC System with 5 Electrodes in 4 Tanks
Manufacture and Sale of Medical Equipment approval number: 224AGBZX00024A02

Double Auto-Change Cross-Line System
Since the chemical reaction of electrolysis deposits minerals in water such as magnesium and calcium, to the plate of negative electrode side, after few years of usage, an electrode plate would be covered with minerals, that makes electrolysis difficult to occur.

New Electrode
Mineral Components
New Electrode
used for 4000 hours
WACC reduces deterioration of the electrodes.

Cross-Line 1
Cross-Line 2
Tap water
Faucet
Acidic Water
Drain hose
Hydrogen Rich Water

2/3 water
1/3 water

2/3 water
1/3 water

When you open and close the faucet three times, the cross line reverses the positive and negative electrodes, and also switches around the waterways.

Cleaning the electrode on the opposite side while using, so that minerals such as calcium does not adhere to the electrode.

Tap water
Stream Router
Hydrogen Rich Water
Safety Device (Twin Safety Valves)
Micro Carbon Cartridge
Flow Volume Meter
Electrolysis Tank
Switching Regulator
Computerized Control
Double Auto-Change Cross-Line System
Multiple Electrolysis Tank System
5 platinum-plated electrodes
To achieve an electrolysis efficiency, a high powered electricity per water molecule is necessary. RW-100e is equipped with 4-layered 8-cell electrolysis tanks to maximize electrolysis efficiency.

Switching Regulator Control System
A quality of tap water changes, depending on a region, season, or temperature. RW-100e has a feature, which automatically changes the voltage for electrolysis and corresponds to those changes, to produce quality processed water for all the time.

Twin Safety Valves
discharges the extra water to protect the unit, in case its internal water pressure becomes excessively high.

Drain Volume Adjustment Valve
can be used to change the balance between the amount of water being processed and drained on the unit.

Simply designed buttons with the illustrations.
Custom designed faucet with the control panel for a better usability.
Hydrogen Rich Water, Electrolyzed Acidic Water, and Purified Water can be selected for different purposes.

Effects and Efficacies
Improve gastrointestinal symptoms
Relieves stomach discomfort and indigestion. Helps digestion and regulates bowel movement.

Newly developed under-sink type compact body (10cm depth).
Our state-of-the-art technology has made this compact body possible, and it is only 10cm depth. Therefore, it can be fit into most of modern kitchens, including a drawer type.

An additional work would be required, if there is no existing outlet (with grounding).
Grounding wire must be connected properly to avoid electric shock or machine failure, in case lightning strikes.
The body of the unit should fit into a drawer type kitchen. Please ask our sales representative for more information.
Compact and High Performance
Under-sink type water processor
For your clean neat kitchen

The Micro-Carbon Cartridge is made of a fine-grained active carbon, which effectively absorbs turbidities and particles found in common tap water. With our innovative method, it filters 13 substances, specified for removal by the Japan Industrial Standard, in common tap water.

Filtering 12 tons of 13 potentially harmful substances

<table>
<thead>
<tr>
<th>Substances to be removed (Total filtration capacity: 12 tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Chlorine Residual (Chloroform)</td>
</tr>
<tr>
<td>1. Turbidity</td>
</tr>
<tr>
<td>1. General Trihalomethane (Tribromomethane) *2</td>
</tr>
<tr>
<td>1. Chloroform</td>
</tr>
<tr>
<td>2. Bromodichloromethane</td>
</tr>
<tr>
<td>2. Trichloroethylene</td>
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</tbody>
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Water is the source of life.
Healthy life begins with safe water.
The quality water can support you and your family’s healthy beautiful life.

Knowing proper usage of the processed water enhances quality of your life.

Hydrogen Rich Water

For simmered dishes like stews, it brings out taste and flavor of the ingredients.

Drinking

As good as drinking it directly, it brings out a taste of coffee and tea.

Cooking

Using the EAW with the batter, a fried food is cooked crispy and juicy.

Cleaning

It can be used for a wide range of hygienic purposes like dishwashing.

Purified Water

Unelectrolyzed filtered water. It is suitable for taking medicines and making baby formula with.