



INSTRUCTION MANUAL

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1. Precautions for product installation and use

Reverse Osmosis Water Purifier Precautions for installation and use

- 01. A control valve switch must be installed where the tap water enters the water inlet of the pure water machine in order to cut off the water source for later maintenance or avoid long-term use, in order to cause damage to the inside of the machine due to excessive waterproof pressure. Please close the water inlet switch control valve when you do not use water for a long time
- 02. The water source requirements of the pure water machine are applicable to municipal tap water. If the tap water quality in the user area is poor and there are problems such as turbidity, silt, etc., in order to protect and use the pure water machine more safely, it is necessary to install a pre-precision filter at the front end of the water inlet of the pure water machine. Preliminary filtration of large particles can effectively extend the service life of the water purifier and strengthen the protection of the water purifier.
- 03. This water purifier is suitable for water pressure between 0.1Mpa and 0.4Mpa. If the water pressure is too high, a pressure reducing valve must be installed to ensure the safety of the water purifier. If the water pressure is too low, a booster pump must be installed. Increase the pressure to ensure that the pure water machine can work normally.
- 04. The pure water machine is suitable for water temperature between 5-45°C. Be careful not to use it under low temperature or high temperature. Users in cold areas should not install it outdoors. At the same time, prevent direct sunlight or drop in water temperature in cold weather, which affects the flow of water.
- 05. The water purifier is installed on the balcony or under the kitchen cabinet for easy use or maintenance.
- 06. Do not install this water purifier close to strong acids and alkalis to avoid corrosion to the water purifier.
- 07. If the local water quality is poor, it is recommended to do maintenance and replacement of the filter element every 8-12 months to take care of the drinking health of you and your family more safely.
- 08. After the installation is complete, please first rinse the water purifier for about 30 minutes. At this time black and gray water and foam will flow out. This is the protective liquid and activated carbon powder in the filter element. It is a normal phenomenon and can be seen in a few minutes to the clear purified water.
- 09. When installing the water purifier, it must be firmly installed. Please fasten it on the wall with bolts or place it in a place that is not easy to be touched by children. The water purifier must be placed in a stable and safe manner without tilting and not easy to touch to prevent accidents due to collisions and dumping.
- 10. The water flow rate of the pure water machine is related to the temperature, water pressure, water quality and the degree of clogging of the filter element. When the temperature drops, the water pressure decreases, the water quality is poor, or the filter element is seriously clogged, the water volume will decrease. (Under normal circumstances, the water output of the water purifier will drop by about 3% for every 1°C drop. Therefore, this is a normal phenomenon. There is no need to worry about damage to the machine. When used in cold places, the room temperature can be increased appropriately)
- 11. The service life of the pure water machine is generally more than 5 years, but the specific service life is related to the local water quality and whether it is flushed according to the requirements during use.
- 12. If you want to stop the machine for a long time, please disconnect the power supply and turn off the water inlet control valve switch. When continuing to use, be sure to turn on the water purifier faucet, drain the raw water from the water purifier, and rinse for another 10 minutes before normal use.

2. Pure water machine HYDROLUX structure and technical parameters

Main and technical parameters of pure water machine

Type	HYDROLUX	Item No	HYDROLUX
Product efficacy	Reverse osmosis filtration	Water inlet pressure	0.1-0.4Mpa
Purified water flow	800G	Filtration accuracy	0.0001 micron
Be applicable Water temperature	5°C 45°C	Applicable water source	Municipal tap water
Utilized location	Terminal water purification	Total Weight	≈7.8kg
Pressure tank	without	Product Size	381*165*435(mm)
Water quality	It meets the requirements of "The Sanitary Safety and Functional Evaluation Specification for Drinking Water Quality Processors-Reverse Osmosis Treatment Equipment" (2001).		

IMPORTANT HINT

1. This machine is suitable for municipal tap water,
Ensure the normal use of the machine and filter element.
2. In the case of poor raw water quality, please install a pre-filter at the front of the product
Carry out preliminary pretreatment to extend the service life of the machine filter element.
3. Please keep the drain pipe unblocked, and do not block or install valves.
Otherwise, the product effluent water quality will not meet the standard,
At the same time it will damage the machine.

Notice: Due to product improvement and innovation, the above parameters may be changed, Subject to the product label, where the TDS value refers to the total dissolved solids in the water

3. Pure water machine Introduction to technology and component functions

Introduction to the core technology of pure water machine:

Reverse osmosis technology: The original text of reverse osmosis is REVERSE OSMOSIS, referred to as RO. It is a collection of scientists from the United States National Aeronautics and Space Administration, with government support, and spent billions of dollars after years of research. The principle of reverse osmosis is to apply a pressure greater than the natural osmotic pressure on the raw water side, so that water molecules reverse osmosis from the high concentration side to the low concentration side. Because the pore size of the reverse osmosis membrane is much smaller than hundreds or even thousands of times that of viruses and bacteria, all kinds of viruses, bacteria, heavy metals, solid solubles, polluting organic matter, calcium and magnesium ions, etc. cannot pass through the reverse osmosis membrane at all. So as to achieve the purpose of water softening and purification.

Pure water machine The main function description of the filter element:

The first level: PP+AC composite filter element: to remove coarser particles, sludge, colloids, suspended matter, etc. from the water. Absorb peculiar smell, color, organic matter, and some heavy metals in water.

The second level: reverse osmosis membrane + post activated carbon composite filter element: filtration accuracy of 0.0001 micron, remove bacteria, viruses, heavy metals and other impurities in the water.

Pure water machine Auxiliary accessories function description:

1. High voltage switch

Control the start and stop of the machine. When the water storage bucket is full, the pressure in the machine pipeline will increase. At this time, the high pressure will be disconnected and the machine will stop working.

2. Inlet solenoid valve

(1) RO machine water inlet solenoid valve: When the system stops water production, the system water source is cut off to prevent the water from slowly passing through the Ro membrane under the action of tap water pressure, causing the waste water to flow continuously.

(2) Water inlet solenoid valve: Provide a signal for the high and low water system of the warm water tank to prevent the water tank from overflowing.

3. Wastewater solenoid valve

Turn on every time the water production system starts to produce water, let the water quickly flow over the surface of the Ro membrane, and rinse for 18 seconds to avoid membrane clogging and prolong the life of the RO membrane.

4. Pressure reducing valve

Rely on the local resistance of the flow channel in the valve to the water flow to reduce the water pressure, and avoid the membrane damage caused by the excessive water pressure.

Pure water machine Main parts replacement time

The user can determine the specific replacement time according to the local water quality. We recommend the replacement cycle of the filter element of the pure water machine: for reference only.

Filter name : Replacement time of the first-stage PP+AC composite filter element: 8-12 months.

Filter name : The second stage Ro reverse osmosis membrane is equipped with activated carbon Composite filter replacement time: 24-36 months.

Generally, consider replacing the filter element in the following situations:

1. When the taste of effluent water decreases and the TDS of pure water rises.
2. The effluent flow is significantly reduced.
3. The surface of the filter element is covered by contaminants,
The color of the filter element is severely discolored.

4. Pure water machine Filter replacement steps and methods

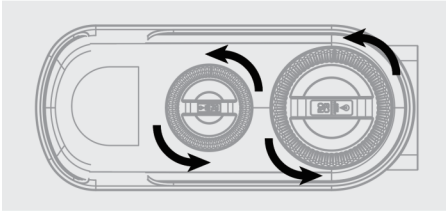
1. Close the water inlet ball valve on the tee and open the faucet of the water purifier, Drain the remaining water in the machine;
2. Unplug the power cable of the LCD indicator screen;
3. Turn the filter element counterclockwise, pull it out, and then replace the filter element with a new one. (The method of replacing the RO reverse osmosis membrane filter element is the same);

4. Plug in the power cord of the LCD monitor and open the water inlet valve.
At this time, the kitchen faucet is turned on, and the water will drain out after a few seconds;

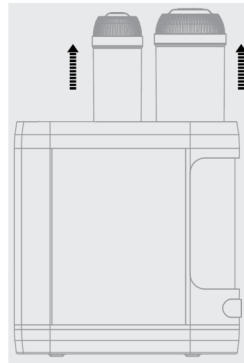
CBPA filter element, let it drain for 10 minutes, is an activated carbon filter element, Ensure the over-current function and prolong the service life, May wash away a small amount of activated carbon powder, Cause the water to turn black and wait for it to drain

For ROCB filter elements, press the "flush" button on the machine, Rinse for 30 minutes.

5. Observe whether the host is leaking,
Turn off the water purifier faucet after 10 minutes, and the installation is complete.



Anticlockwise rotation



Take out

Cleaning of reverse osmosis membrane:

When the incoming water is filtered through a reverse osmosis membrane, Impurities and bacteria are trapped on the surface of the membrane, The machine will be cleaned automatically to ensure reverse osmosis

Membrane performance reaches its best state.

5. Pure water machine Basic requirements for installation

1. Tools needed for installation

- 01. Impact drill: 1 pair with M6 and M22 drill bits
- 02. The wrench openings are 16mm, 14mm, 12mm each
- 03. 1 roll of tape
- 04. bottle of glue is needed for the hose
- 05.1 needle nose pliers
- 06.1 pair of scissors
- 07.1 Phillips screwdriver, 1 slotted screwdriver, etc

The above tools are required for normal installation, According to actual needs in special circumstances.

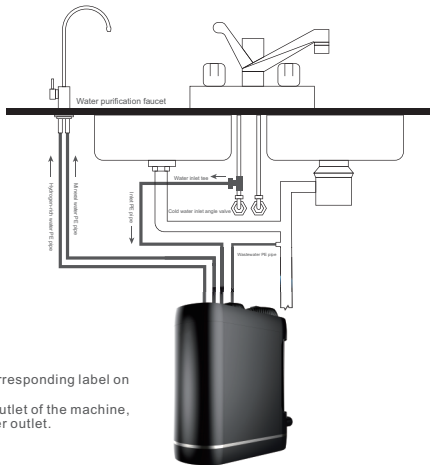
2. Basic installation skills

Pure water machine It is generally recommended to install water purifiers in the kitchen. For the user's kitchen, the machine can be placed in a cabinet. Lean against the wall, hang the wall, etc., as long as the pipeline is unobstructed. When installing, close the water inlet valve, disassemble the hose connecting the original faucet and the water pipe, connect the tap water to the water inlet marked on the water purifier, and connect the water outlet marked on the water purifier to the water outlet marked on the water purifier. Water purifier faucet and purified water only need to connect the valve or faucet to the machine's drain. During the installation process, the part connected with the outer teeth must be wrapped with raw tape in a clockwise direction and tightened to ensure that the water purifier does not leak.

3. Pure water machine Accessories required for installation

- 1. PE hose
- 2. Purified water 2" faucet and faucet hanging piece
- 3. Inlet ball valve
- 4. Various interfaces
- 5. bolt
- 6. Hanging board
- 7. Inlet 3-way

4. Installation diagram of pure water machine



Note: Please follow the corresponding label on the host to connect
The hydrogen-rich water outlet of the machine,
Water inlet and waste water outlet.

HYDROLUX schematic

6. Pure water machine installation method

- ✳ Please carefully check the required tools and accessories before installation
Whether it is fully equipped; please do not turn on electricity or water before installation.

step 1

Before installation, check the position of the tap water valve,
The size of the cabinet space is reasonably arranged,
In order to achieve a clean and practical installation of the whole machine.

Notice:

1. At present, most household water basins use hot and cold water pipes to supply water.
Select cold water pipe for pure water machine during installation
(Municipal tap water) water supply (figure 1)
2. The whole machine is placed normally (figure 1)



figure 1



figure 2

step 2 Faucet installation

1. Generally choose the left and right corners of the sink, and install the combination
The usual user habits (washing vegetables, washing rice),
Choose a sink angle commonly used by users

step 3 HYDROLUX model smart electronic faucet hose installation

1. Take out the 1/4 inch PE pipe, 1/4 inch quick connect straight through, faucet (figure 3)
2. Insert one end of the 1/4 inch PE pipe forcefully into the 1/4 inch quick connect through (figure 4)
3. Insert the power cord of the smart electronic faucet into the device interface (figure 5)



figure 3



figure 4



figure 5



figure 6

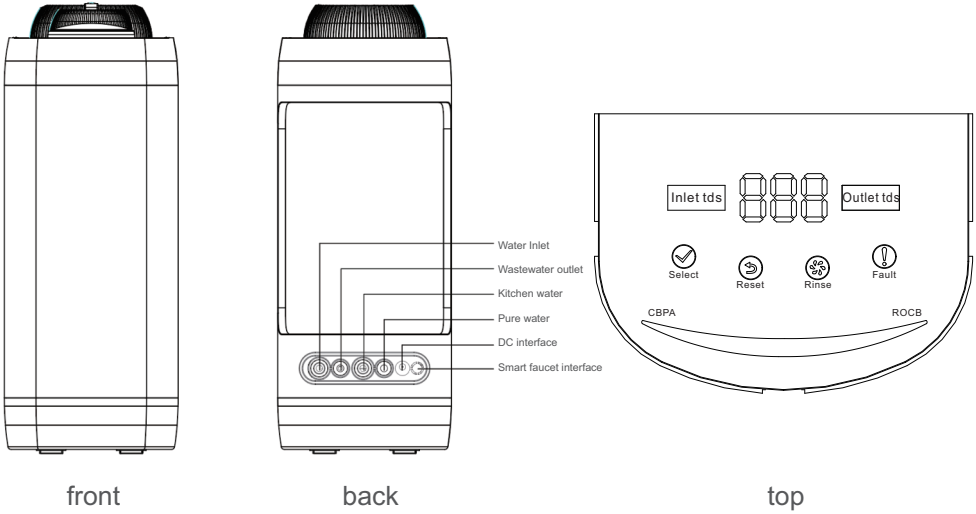


figure 7

step 4 HYDROLUX type machine installation inspection

1. After connecting the hoses of the whole machine and confirming that they are correct, open the ball valve to supply water and turn on the power supply to let the whole machine work, and make the final inspection before installing the whole machine.
2. The ratio of pure water to wastewater effluent can be visually observed during testing, under normal circumstances the ratio is 1.5:1.

Notice:When the whole machine starts to work, it will automatically rinse for 1 minute



Function instructions :

Reset button: Long press for 6 seconds, reset button;

Selection key: Select the filter element, and then select the "reset" button to reset the filter element;

Flush button: The machine rinses the ROCB filter element; (To rinse the CBPA filter element, turn on the kitchen faucet and rinse with running water from the faucet)

Fault: The "fault" indicator light turns red.