

Household Water Filter RL-W02

(Filtered Water, Backwash, Raw Water, Warm Water, Hot Water)

User Manual

This product implements the following standards:

- 1.CJ94-2005 Drinking Water Quality Standard
- 2.Ministry of Health: Sanitary Standards for Drinking Water (2006)
- 3.Ministry of Health: Standards for Hygienic Safety Evaluation of Drinking Water Transmission and Distribution Equipment and Protective Materials (2001)
- 4.Ministry of Health: Hygienic Safety and Functional Evaluation for Drinking Water Quality Processors-General Water Quality Processors (2001)
- 5.Ministry of Health: Inspection Methods for Drinking Water (2006)

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1

Methods for Application:

This patented product has six working status: Close, producing filtered water, using raw water, adjusting water temperature, using hot water, and backwashing the filter element. It is easy to switch between different states by turning the handle.

1. Close: Turn the handle to let the indicating arrow points to "Off" on the control valve body. (Note: There is a slight jam here.)
2. Producing filtered water: Rotate the handle to let the indicating arrow points to "Pure", the clean water will flow out from filtered water outlet, and the amount of water will vary with the angle of rotation.
3. Using raw water: Rotate the handle, when the indicating arrow points to "Cold", the tap water will flow out from the water outlet directly without passing through the filter element, and the amount of water will vary with the angle of rotation.
4. Adjusting water temperature: Rotate the handle, when the indicating arrow points to "Warm", the tap water and hot water will be mixed and flow out directly from the water outlet without passing through the filter element. The water temperature is adjusted by the angle of rotation.
5. Using hot water: Rotate the handle, when the indicator arrow points to "Hot", the tap water is closed, and the hot water flows out from the water outlet without passing through the filter element. When it reaches the mechanical limit, it is completely hot water.

6. Backwashing the filter element: There are two steps to backwash the filter element:
a. Rotate the handle to let the indicating arrow reaches the maximum position of "Backwash" (Note: there is a heavier jam here), and let it flow for 1-2 minutes. At that time, the dirt trapped on the surface of the filter element is backwashed when producing filtered water, and the washed dirt flows out from the raw water and sewage outlet.
b. Rotate the handle from the "Backwash" to "Pure" position, stay for about 10 seconds, and then restore the handle to "Off" position. At that time, a small amount of dirt trapped on the surface of the filter element is backwashed when backwashing the filter element, and flows out from the filtered water outlet. At that time, the outlet water cannot be used as filtered water.

Note: It is best to backwash the filter element once a day when the user's requirement for outlet water is not strict, such as sanitary water or dish washing. In this way, the filter element is backwashed while being used.

5

Dear user:

Thank you for using RL-W02 household water filter (filtered water, backwash, raw water, warm water and hot water). This product is a patented product, patent number: ZL201720649270.4, ZL201730226416.X. Please read the "User Manual" carefully before use to achieve the best effect.

Function

RL-W02 household water filter (filtered water, backwash, raw water, warm water and hot water) is small water treatment equipment that uses municipal tap water or other centralized water supply as the water source for secondary deep purification. At the same time, it has six functions such as providing filtered water, raw water, warm water, hot water, backwashing the filter element, and closing. This product utilizes the filtering effect of the polymer fiber filter element and the adsorption effect of activated carbon, which can effectively remove the mud, rust, algae, odor and volatile phenol, chloroform, carbon tetrachloride and other harmful substances in water, and retain the beneficial microelement to the human body (such as Ca²⁺, Mg²⁺ ions, etc.). Besides, it greatly improves the clarity of water, completely eradicates secondary pollution to tap water caused by water pipe networks, water tanks, etc., and provides high-quality water that meets sanitary requirements for drinking, cooking, washing vegetables, rinsing...

Characteristic:

1. Backwash: The most prominent feature and advantage of this product is that it is equipped with a precision ceramic core reversing valve, which can backwash the filter element at any time, so as to completely eradicate the dirt accumulation, bacterial growth, and water blockage caused by the filter element being unable to backwash in time and other serious defects.
2. Raw Water: This product has the function of providing raw water, which can easily switch between filtered water and raw water, which greatly extends the life of the filter element.
3. Warm Water, Hot Water: This product has the function of providing hot water and warm water, which can easily switch between raw water, hot water and warm water, which is more suitable for users.
4. Convenient Washing: The backwash of the filter element is automatically carried out during use, and the user does not need to remove the filter element for cleaning.

2

When the water filter is used for the first time, black water flows out, which is caused by activated carbon powder, which is a normal phenomenon. It can be used normally after 1-2 minutes of water flowing out.

Replacement of Filter Element:

This product uses a polymer sintered filter element, the outer layer is a PE filter element, and the inner layer is an activated carbon filter element. As the amount of water passing through the activated carbon filter element increases, its adsorption effect also weakens. The rated water purification capacity of the PE filter element is about 1500 liters. When the water purification capacity is reached, the filter element needs to be replaced (depending on the local water quality).

The steps to replace the filter element are as follows:

1. Rotate the handle to let the indicating arrow points to "Off" (or close the main tap water inlet valve), open the outer cover by hand in a clockwise direction (looking from the handle end to the outer cover end, the same below);
2. Pull out the filter element assembly, install the filter element, screw on the outer cover, and tighten the outer cover counterclockwise by hand.

Note: 1. To purchase filter element components, please contact our company's local distributors.

2. If the raw water quality is poor in some areas, or after a long period of use, the water output is small, and the water flow has not changed significantly after repeated washing, the filter element needs to be replaced.

Technical Parameter

Quality of Inlet Water	Municipal tap water or other centralized water supply
Rated Water Purification Capacity	1500L
Rated Water Treatment Rate	1L/min
Quality of Outlet Water	Meet the requirements of "Hygienic Safety and Functional Evaluation for Drinking Water Quality Processors-General Water Quality Processors" (2001)
Accuracy of Filtration	1~5μm

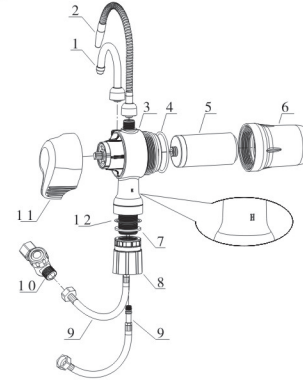
6

5. Diffusion of Filtered and Dirty Water: The backwashed water, raw water and hot water for backwashing filter element flow out from the raw water outlet, and the filtered water flows out from the filtered water outlet.

6. Filtering and Water Saving: This product has a built-in ceramic valve core, which is not only a water filter, but also a water-saving faucet. The flow of filtered water and raw water can be adjusted steplessly, which is easy to use.

7. Simple Installation: This product is directly installed on the surfaces with accessories, which is as simple as installing an ordinary faucet.

Product Parts:



No.	Description	Quantity	No.	Description	Quantity
1	"Raw Water" Outlet Pipe Component	1	7	Seal Ring (Thickness: 3mm)	1
2	"Filtered Water" Outlet Pipe Component	1	8	Cap	1
3	Control Valve Body	1	9	Soft Pipe	2
4	O-ring	1	10	Filter Valve	1
			11	Handle	1

3

Water Pressure	0.1~0.4Mpa
Net Weight	1.0Kg
Outside Size (Length × Width × Height)	220mm×200mm×335mm

Note: According to the average daily use of 8L of filtered water for a family of three, the rated water purification capacity of the PE filter element is 1500L, which can be used for more than 6 months, and one more is included with the package, which can be used for nearly one year (can buy it from the dealer after using it up).

Packing List

Water Filter Faucet	1 Set
Filter Element Assembly	1 Pc
Filter Valve	1 Pc
Accessories	1 Set
User Manual	1 Pc
Guarantee	1 Pc

7

5	Filter Element	1	12	Seal Ring (Thickness: 1mm)	1
6	Outer Cover	1			

Installation Method and Steps

This product is installed above the kitchen sink or other similar places, and the water filter is installed horizontally.

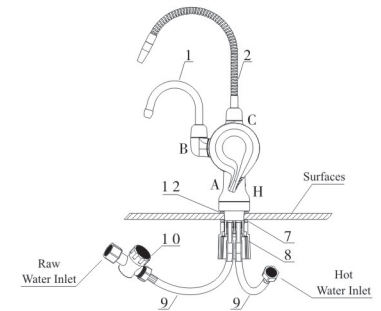
This product is suitable for users who have φ35-φ40 hole on the surfaces.

Installation Steps:

1. Close the hot and raw water inlet valve first;
2. Connect "Part 1" to the raw water connector B of the water filter faucet;
3. Connect "Part 2" to the filtered water connector C of the water filter faucet;
4. Insert the two pieces of "Part 9" into the water inlets A and H of the water filter faucet, and then insert the "Part 12" (the side of the "Part 12" with the stepped protrusion should face the control valve body), and then put it into the hole on the countertop, and then put "Part 7", tighten it with "Part 8";
5. Connect one end of "Part 10" to the soft pipe of the water inlet A, and the other end of "Part 10" to raw water inlet; the remaining soft pipe to hot water inlet.

Note

1. The end of the control valve body marked with "H" is the hot water inlet.
2. Please do not interchange and install "Part 12" and "Part 7" at will.



4

Treatment of Abnormal Conditions

Abnormal Conditions	Reason	Solution
Water leakage occurs at the connector at the water filter faucet.	The O-ring at the outer cover of the water filter faucet is not placed properly, and the outer cover is not tightened.	Reposition the O-ring and tighten it by hand.
The volume of outlet water is too small.	Tap water inlet pressure is too low.	Use after increasing the water pressure or the water pressure is normal.
	Insufficient backwash leads to blocking the surface of the filter element.	Backwash or remove the filter element in time to clean the surface.
	There are ribbons and large particles blocked at the filter screen of the filter valve (Part 10).	Close the water inlet valve, unscrew the end cap on the filter valve (Part 10), and clean the filter screen.

Note:

1. The applicable water temperature of the filter element is 5-45℃.
2. The filtered water amount should be according to stipulation during use.
3. This product should work under the water inlet pressure of 0.1-0.4MPa. If the water pressure is higher than 0.4MPa, the user needs to add a pressure reducing device (such as a pressure reducing valve) at the front of the water filter; if the water pressure is lower than 0.1MPa, the user needs to add an automatic booster pump at the front of the water filter. Otherwise, the water output of the water filter will be reduced and the water flow will be very small.
4. After 24 hours of non-use, the outlet filtered water could not be used directly until it flows out for half a minute.
5. The filter should not be exposed to sunshine for a long time.

8