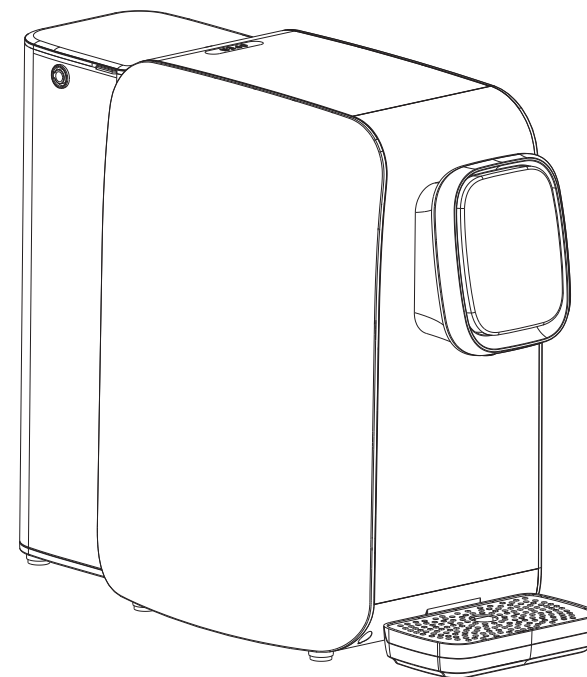


QUELTAL

Reverse osmosis
water purifying and
drinking machine



USER MANUAL

Dear customers,
Thank you for purchasing the Reverse osmosis water purifying and drinking machine produced by our company.
For correct use and maintenance, please read the Operating Manual carefully before installation and using.

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This machine is designed with reverse osmosis (RO) filtration technology, rare earth thick film heating technology, patented color screen technology and other emerging technologies as a whole. It is a desktop drinking machine needing no installation. It can effectively filter out harmful substances in water and ensure the quality safety of water. At the same time, it can enrich mineral elements beneficial to human body, providing you with healthy water every day. Meanwhile, the product is equipped with 3-second quick heating, separation of raw water, purified water and waste water, integrated waterway structure and anti-scalding child lock, making it easier, safer and more convenient for you to use.

The machine can be placed in living room, bedroom, office and other places. With the design of plug and play, it is the best choose for drinking safe and healthy water.

Packing List

The package of the complete machine should include the following components

Reverse osmosis water purifying and drinking machine	1 set
Water receiver	1 set
User Manual	1 set

Remarks

1. Don't washing the body with water.
2. Don't use universal sockets and other electrical appliances at the same time. Socket not less than 10a should be used.
3. Don't place the water receiver in a suspended way. Put it on table board.
4. Don't add turbid tap water, ice cube and other mixed liquids such as milk and fruit juice to the water tank.
5. Don't extend the water outlet nozzle into the cup rim when taking water, so as to avoid danger for blockage of the outlet nozzle by boiling water.
6. The drinking machine can be used by children aged 8 years and above and people with physical, sensory or mental disabilities or lack of experience and knowledge, as long as they are under supervision or guidance on safe use of the drinking machine and understand the risks involved. No child should clean or maintain the machine without supervision.
7. If the power line is damaged, it must be replaced by the manufacturer, service agent or relevant professionals, so as to avoid danger.
8. Stop using the machine when the intake water temperature or environment temperature is lower than 4°C or higher than 38°C.
9. If you take low temperature water immediately after taking high temperature water, the temperature of the fresh water may be high, please be aware of avoiding scald.
10. When the raw water does not meet the municipal tap water standard (including large silt content and excessive TDS), the service life of the filter element may be reduced.
11. To avoid danger, please place the water purifying and drinking machine on a flat table board. (The inclination of the table board should not be larger than 10°).
12. Before being delivered from the factory, the complete machine is filled with water for full inspection, so it is normal that there is some residual water inside the machine.

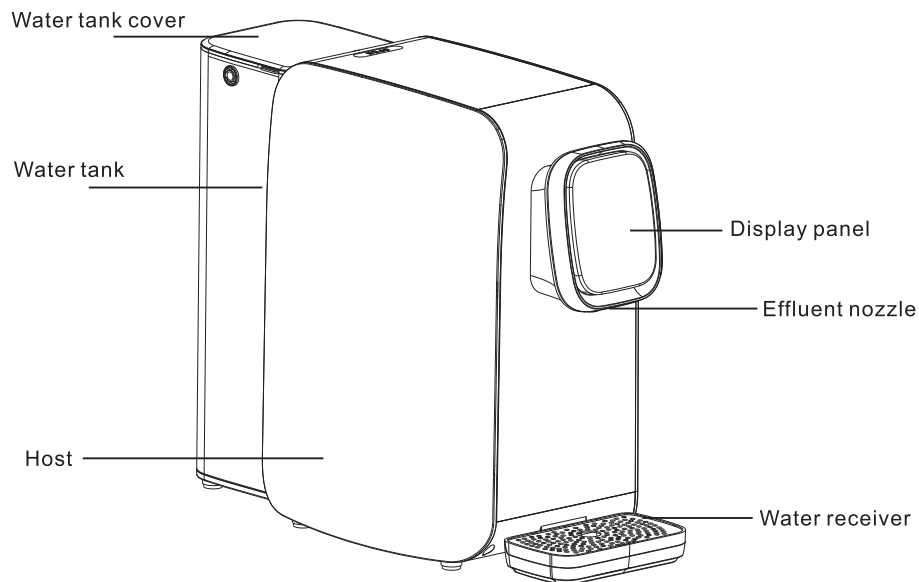
Product parameters

Product model	W16
Rated voltage/frequency	220V~/50Hz
Rated power	2200W
Rated heating power	2200W
Electrical power consumption	0.1kw·h/24h
Water heating capacity	18L/h($\geq 90^{\circ}\text{C}$)
Water production flow	7.8L/h
Working pressure	0.4~0.8MPa
Applicable water source	City water
Applicable water temperature	4-38°C
Dimensions	450x200x387mm

Function of filter element

Filter element for short	Type of filter element	Function	Recommended replacement period
RO	Reverse osmosis filter element	Filter precision of 0.0001 μm , removal of incrustation and heavy metal	12-24 months
PAC	Folding PP cotton activated carbon rod composite filter	Removal of impurities such as silt, rust, sand, suspended solid and blood worm; removal of residual chlorine and absorption of disagreeable tastes and odors.	6-12 months
CF	Rear composite carbon rod	Further increase the taste	6-12 months

Schematic diagram of products



Replace the filter element when the orange light is normally on

Adding water

The flashing indicator indicates that water is produced and cannot be output. Normally on of the indicator indicates that water is produced and can be output. When the indicator light goes off, it means the water production is over

Select water temperature to get the water

Read the Manual for service and maintenance

For the first time use, long-term unused, please replace the filter element before washing

Unlock and then select water temperature to get the water

Press the quantitative water button first and then directly press the low temperature zone to get water. In the high temperature zone, you need to press the unlock button first and then press the high temperature zone to get water

Press the unlock button for hot water

Control panel

Operation guideline

Initial use

1. Arrange the water purifying and drinking machine on a desktop, cupboard or flat places;
2. Remove the original water tank, add tap water to the highest MAX water level of the water tank, and install it onto the product;
3. Connect to power;
4. The water purifying and drinking machine automatically flushes the filter element system and the pipeline for 2 minutes. After flushing, the water in the tank should be drained to fill it with tap water;
5. The water purifying and drinking machine automatically starts water production. It can be used normally after the water production is finished (the water needs to be changed once in the whole water production process to fill up the internal purified water tank);
6. In order to obtain excellent water quality, it is recommended to press and hold "Wash" for 3 seconds for manual flushing, 3 times is best.

Max

Daily use

Take water/Stop taking water

The product supports 6 types of water temperature for selection. Pressing the keys of "Honey", "Milk" and "Normal temperature water" can take water directly. The other three keys might be pressed to take water after the unlock key is pressed.

* Pressing any key on temperature during taking water stops water output.

Attention:

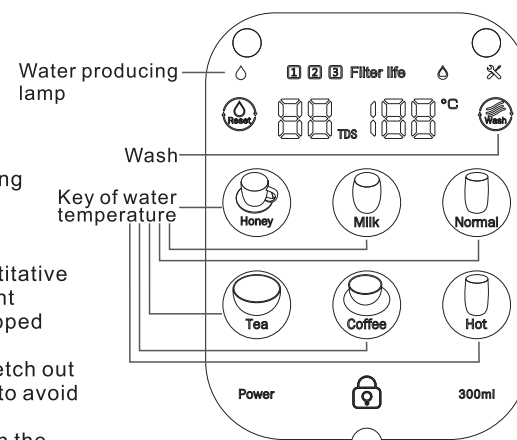
- (1) This machine is equipped with quantitative water outlet protection. After the effluent exceeds 500ml, the effluent will be stopped automatically.
- (2) When taking the hot water, don't stretch out your hand under the water outlet so as to avoid scald.
- (3) In order to prevent dry burning, when the machine is powered on for the first time to take hot water, please supply a section of room temperature water and then hot water.
- (4) Unlock key: lock when no effluent or operation 10 later.

Water changing

When the "Water shortage" indicator turns on, it means that the raw material water is in shortage of water. Pour out the waste water in the raw water tank and replace it with municipal tap water.

Sleep

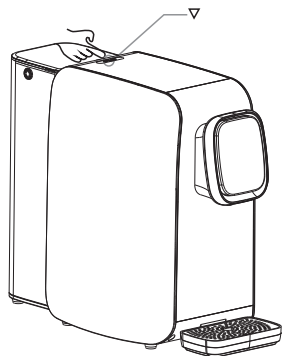
After the machine produces the water, if no key is pressed to take water within 1h, the machine will automatically enter a sleep state to save electricity. With the key of random water temperature is touched, the machine will be waken up and then exit from the sleep state and enter the standby state.



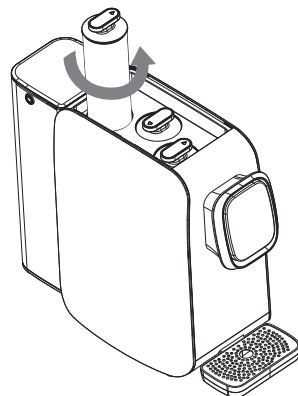
Replacement of filter element

When the service life of the filter element is 20%, the indicator light flashes orange, indicating that the filter element needs to be replaced.

Step 1 Turn off the power and take out the old filter element

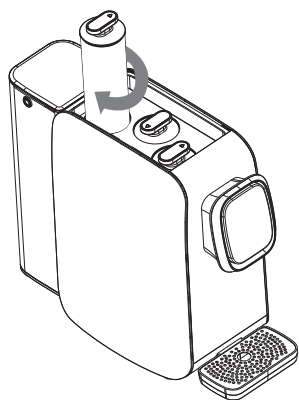


Press the "▽" button pops to open the head cover of the machine automatically;

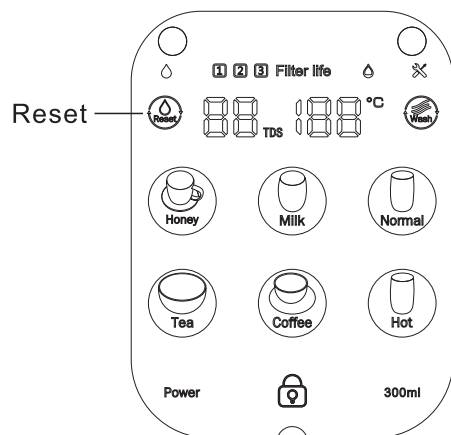


Rotate the filter element counterclockwise and take it out upward;

Step 2 Installation of new filter element



Assemble the new filter element and rotate it clockwise to tighten it;



Press and hold "RESET" and then touch "RESET" to select the corresponding filter element. Press and hold "RESET" for 3s to complete resetting.

Note: Original filter element must be used for replacement so as to ensure the safety of drinking water. For any abnormal situation during the replacement of filter element, please contact the customer service center in time.

Fault elimination

If your machine fails, please refer to the help information in the following table first. If the problem cannot be solved, please contact the local maintenance department.

Fault	Reason
The machine cannot produce water	1. Check whether the raw water tank has water
	2. Check whether the filter element is blocked due to too much dirt
Water flow is smaller	Check whether the filter element is too dirty or used beyond the service life
Water does not taste good	Check whether the filter element is not replaced after used beyond the service life
Water does not taste good	1. Check whether the parts on the machine has been dismantled without authorization
	2. Check whether the parts at the seepage place are screwed tightly, staggered in teeth or slide
	3. Check whether the silicone seal ring at the seepage place is aged or damaged
Electricity leakage and induced electricity of machine body	The machine is grounded poorly
The machine cannot generate heat	1. Check whether the power is on
	2. The thermostat protector on the heating bucket does not reset

Fault description

Code	Reason	Processing mode
Fault E1	The machine stops after producing water for 90min continuously and the water is not full. Fault indicator goes on and displays "E1"	Check for leakage
Fault E5	When the intake water temperature is between 0-1°C Fault indicator goes on and displays "E5"	Use water at 4-38°C

List of harmful substances

To meet the laws, regulations and other requirements related to the limitation on harmful substances electronic and electrical products, our company makes the following statement after internal detailed checking according to the category of parts.

Name of electric appliance: Reverse osmosis water purifying and drinking machine						
Part name	Harmful substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyls (PBB)	Polybrominated biphenyl (PBDE)
Filter element	○	○	○	○	○	○
Raw water tank	○	○	○	○	○	○
Solenoid valve	○	○	○	○	○	○
Self-priming pump	○	○	○	○	○	○
Water suction pump	○	○	○	○	○	○
Silicone and rubber sealing parts	○	○	○	○	○	○
Components of computer board	X	○	X	○	○	○
Other metal structural parts	X	○	○	X	○	○
Power adapter	X	○	○	○	○	○
Plastic parts	○	○	○	○	○	○
Wires	○	○	○	○	○	○
Water storage tank	○	○	○	○	○	○
Power line	X	○	○	○	○	○
Package printing parts	○	○	○	○	○	○

This form is prepared according to the provisions in SJ/T 11364. Some models may not include the parts in the form. The electric control board component includes elements, PCB, wiring terminals, etc.

Note:

○: indicates that the content of hazardous substance in all homogeneous materials of the part meets the limitation requirement of GB/T 26572.

X: indicates that the content of hazardous substance in some homogeneous materials of the part exceeds the limitation requirement of GB/T 26572.

The harmful substances of the part with "X" cannot be replaced due to the limited technological development level in the industry.