



W-J3305-ROB60 RO Water Purifier
W-J3305-ROB90 RO Water Purifier
W-J3305-ROB120 RO Water Purifier

User Manual

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Precautions

Due to the hydrophilic nature of the RO membrane and the moisturizing ingredients (the main ingredient is food-grade glycerin) the membrane contains, it is suggested that the water produced on the first day of installation be used for the washing purpose in the kitchen rather than drinking. If the above suggestion is not feasible, it is suggested that the water faucet be opened every 2 hours after installation to drain the water for 20 minutes and repeat this operation for more than 7 times to fully ensure the taste and activate the performance of the membrane.

Please be sure to follow the precautions below, which are important to avoid danger and injury.

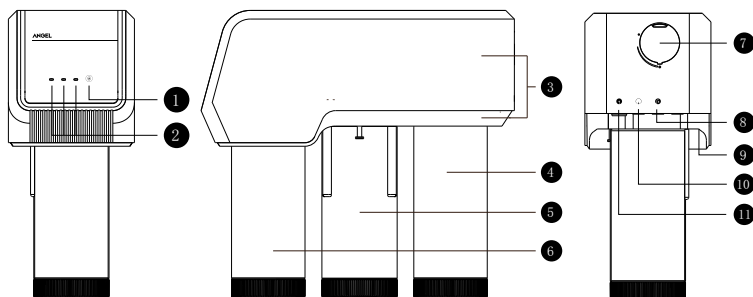
Note

- ◆ Please read this manual carefully before using your purifier, and keep the manual properly for future reference.
- ◆ For normal operation of this purifier, please use it at an ambient temperature of 39.2–104°F in an indoor location out of direct sunlight.
- ◆ Please disconnect the power plug if you will not use the purifier for a long time.
- ◆ The purifier should be placed vertically, but not upside down.
- ◆ In areas where the water supply pressure is higher than 58 psi, please install a pressure reducing valve at the water inlet.
- ◆ When the water supply pressure is lower than 21.8 psi, the machine noise may be slightly louder.
- ◆ It takes a few seconds for water to come out after the pure water faucet is opened. Pure water may contain some bubbles.
- ◆ After expiration, the filters need to be replaced by Angel's professional after-sales personnel before the purifier can be used normally.
- ◆ This device must be installed and debugged by Angel after-sales service personnel. Before installation, please verify that the accompanying accessories in the packing box are sufficient and complete.
- ◆ If it has not been used for 72 hours, please force flush the whole device and prepare fresh water again. If the water prepared 1 day ago tastes unpleasant, it is suggested that 500ml of water be drained.

Warning

- ◆ The water inlet temperature must not be higher than 100.4°F or lower than 41°F; otherwise, the RO membrane will be damaged.
- ◆ Do not block the flushing port when the purifier is in operation to avoid damage to your purifier.
- ◆ Waste water is not drinkable but can be used for cleaning.
- ◆ This device uses an external power adapter. If the power adapter is damaged, to ensure safety, you must buy a new one from the manufacturer or its maintenance department for replacement.
- ◆ To ensure safety, please do not disassemble, repair or debug this device by yourself. In case of any abnormality, please contact after-sales service for maintenance.
- ◆ Damaged power cords must be replaced by professionals from the manufacturer, its maintenance department or similar departments to ensure safety.

Product Introduction



S/N	Name	S/N	Name
1	Flush/Reset button	8	Purified water port
2	Filter life indicator	9	Power port
3	Shell	10	Drain outlet
4	Folding PP phosphate activated carbon rod composite filters	11	Water inlet
5	Booster pump		
6	RO membrane filter		
7	Activated carbon rod filter		

Specifications

Product name	W-J3305-ROB60	W-J3305-ROB90	W-J3305-ROB120
Purified water flow	0.22gal/min	0.33gal/min	0.44gal/min
Rated total water purification volume	880gal	1100gal	1100gal
Rated power	60W		90W
Rated voltage	220V~		
Rated frequency	50Hz		
Suitable water source	Tap water		
Suitable water temperature	41°F-100.4°F		
Water inlet pressure	14.5psi-58psi		
Working pressure	58psi-87psi		
Working temperature	39.2°F-104°F		
Type of protection against electric shock	Class II		
Dimensions	17.1x6.9x15.7 inch		
Water efficiency grade	Level 1		
Water production rate	65%		
Precautions	Clean and replace the filter regularly		

Water-contacting Parts and Materials

Part name	Material	Quantity	Recommended service life	Specifications
Folding PP phosphate activated carbon rod composite filters	PP filter housing, folding PP phosphate particles, activated carbon rods	1	6 to 12 months	LX-722US-PSC180
RO membrane filter	PP filter housing, PA	1	2 to 3 years	Pore diameter: 0.0001μm (see below for specifications)
Activated carbon rod filter	PP filter housing, activated carbon rods	1	6 months	LX-209ACA120

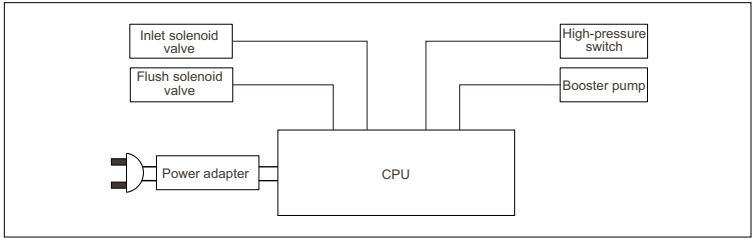
RO membrane filter specifications: J3305-ROB60 (LX-702RO60); J3305-ROB90 (LX-707RO90); J3305-ROB120 (LX-911RO120)

(1) The service life of the RO filter element is estimated based on the average daily pure water consumption of 20L in ordinary households and the following raw water conditions:

water temperature: 41-100.4°F; water pressure: 14.5-58psi; pH: 7.5±0.5; turbidity: <1.0NTU; total dissolved solids (TDS): ≤500mg/L; TOC: ≤1.0mg/L. Other indicators meet the GB 5749 standard.

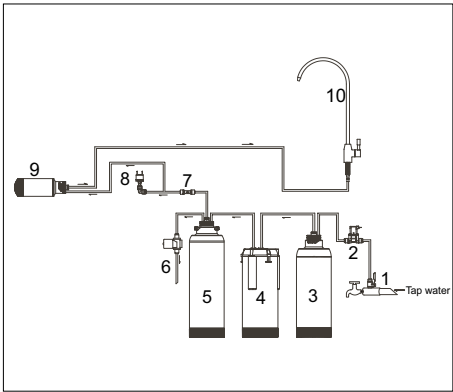
(2) To ensure the performance of the water purifier, the filter should be replaced regularly to ensure the quality of purified water. The service life of the filter varies depending on the raw water temperature, water pressure, water quality, pure water consumption, and operating environment. The filter should be replaced according to the actual condition.

Electric Control Schematic Diagram



Note: The control button is subject to that on the actual product.

Water Purification Process Flowchart



S/N	Name
1	Water inlet tee
2	Inlet solenoid valve
3	Folding PP phosphate activated carbon rod composite filters
4	Booster pump
5	RO membrane filter
6	Waste water solenoid valve
7	Check valve
8	High-pressure switch
9	Activated carbon rod filter
10	Faucet

Note: The above figure is a schematic diagram of the purification system for reference only. The actual device is subject to change.

Description of Control Panel

1. Filter life indicator

Three tri-color lights (red, yellow, and green) are designed to indicate the corresponding filter life.

- The indicator will be in green if the filter life is normal.
- The indicator will turn yellow if the filter life is about to expire.
- The indicator will turn red if the filter life has expired.

The buzzer will alarm five times every three hours as warning, and the filter should be replaced.



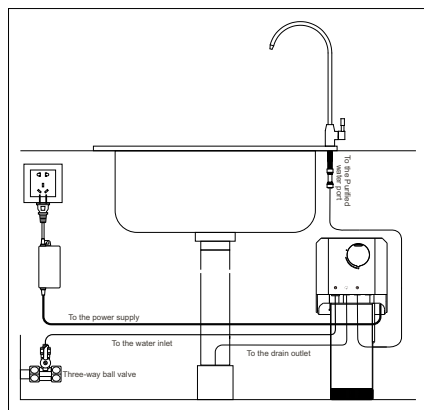
2. Flush/Reset button

- Press the "Flush/Reset" button to turn on or off the flushing function.
- Hold the "Flush/Reset" button for 6 seconds to enter the reset mode:
 - The RO filter indicator stays on, indicating that the RO filter is selected. Further press and hold the button for 3 seconds to reset the life of the RO filter.
 - Press the "Flush/Reset" button again, and the US filter indicator lights up, indicating that the US filter is selected. Further press and hold the button for 3 seconds to reset the life of the US filter.
- After reset, it will enter the normal working state, and the filter life indicator will turn green. When there is no operation within 5 seconds, it will exit the reset mode and return to the normal working state.

Installation Guide

After purchasing this device, an appointment can be made with our professional personnel for installation and debugging. Before installation, please make sure that sufficient and complete accessories are included in the package.

1. Install the faucet of the water purifier and the RO water purifier as shown in the figure below.



Precautions:

- Threaded connections in the water inlet tee and the inlet valve should be sealed with padding material and seal ring to prevent water leakage.
- A certain length should be reserved on the PE pipe connecting the water outlet of the three-way ball valve.

2. Inspection and debugging

- Open the faucet of the water purifier to start the water purifier. It will start automatic flushing, and water is drained via the waste water pipe. After about 10 seconds, the flushing is over and water production is automatically started.
- Turn off the faucet of the water purifier. Let it continue working until the tank is full and the operation stops. The waste water pipe will stop draining.
- Check the pipeline. During the trial operation, check the parts, components, and connections for leakage and looseness.
- Arrange and fix the incoming and outgoing water pipes and waste water pipes, and clean up the site.
- Run the purifier on the first day of installation if possible. The water produced initially may not taste pleasant, but can be used for kitchen cleaning. If the above suggestion is not feasible, it is suggested that the water faucet be opened every 2 hours after installation to drain the water for 20 minutes and repeat this operation for more than 7 times to fully ensure the taste and activate the performance of the membrane.
- After flushing, the water is ready for use. You can open the faucet of the purifier to take water.

Filter Replacement

Make sure to turn off the water supply, turn on the faucet to drain water inside, then unplug the power cord before replacing the filter.

1. Make sure the purifier is emptied of water and the power cord is unplugged, then place the water purifier flat on the ground.
2. Remove the used filter and replace it with a new one.
3. Secure the machine in its original position. Check and adjust the water pipes and valves to ensure they are in the correct positions.
4. Turn on the water inlet valve, connect the power supply, and press the "Flush/Reset" button to reset the life of the filter.
5. Please contact Angel after-sales service personnel when the filter needs to be replaced.

Packing List

Name	Unit	Quantity	Name	Unit	Quantity
RO Water Purifier	set	1	User Manual	pc	1
Water purifier faucet	package	1	Accessories	set	1
PE tube (1/4")	set	1	Power adapter	set	1
PE tube (3/8")	set	1			

Repair Guide

Failure description	Cause analysis	Troubleshooting
Water purifier does not prepare water	Inlet valve is not open Composite filter blockage RO membrane blockage The power supply is not connected Control board failure	Open the water inlet valve Contact after-sales service personnel for repair Contact after-sales service personnel to replace the filter in time Connect the power supply or contact after-sales service personnel for repair Contact after-sales service personnel for maintenance
Water leaks at the connection	Damaged connector seal ring Damaged filter cartridge seal ring	Turn off the water source and contact after-sales service personnel for repair
Water has an unpleasant taste or smell	Post-activated carbon filter fails The water purifier has not been used for a long time The water purifier was not flushed as required when it was installed Raw water has an unpleasant taste or smell	Contact after-sales service personnel to replace the filter in time Drain the water with unpleasant taste or smell and re-prepare water Re-flush as required Confirm that the source water complies with Gb5749
Purified water pressure is low	Water supply pipeline leaks	Turn off the water supply and contact after-sales service personnel for repair
Waste water pipe does not drain	Inlet valve is not open Filter blockage Flush solenoid valve blockage	Open the water inlet valve Contact after-sales service personnel to replace the filter in time Contact after-sales service personnel for maintenance
Waste water pipe keeps draining	Damaged one-way valve Damaged inlet solenoid valve	Close the inlet valve and contact after-sales service personnel for repair
Water purifier cannot be stopped	Severe RO membrane blockage Fatigue damage of high-pressure switch Damaged inlet solenoid valve	Contact after-sales service personnel to replace the filter in time Contact after-sales service personnel to replace the part in time Contact after-sales service personnel to replace the part in time
Water purifier starts frequently	The check valve is installed inversely, missing or damaged	Contact after-sales service personnel for repair
Loud noise	Water pressure is lower than 21.8MPa Resonance between the main body and its surroundings Internal water pipe interference Composite filter blockage	Increase water inlet pressure Use EPE foam to reduce vibration Adjust internal pipeline Contact after-sales service personnel to replace the filter in time

Declaration of Hazardous Substances

Part name	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr, VI)	Polybrominated biphenyl (PBB)	Polybrominated diphenyl ether (PBDE)
Circuit board	X	○	○	○	○	○
Power adapter	X	○	○	○	○	○
Accessories	X	○	○	○	○	○
Sensor	X	○	○	○	○	○
Main body	○	○	○	○	○	○
Filter	○	○	○	○	○	○
Pipeline connectors	○	○	○	○	○	○

○: Indicates that this hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in GB/T 26572-2011.

X: Indicates that this hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit specified in GB/T 26572-2011.

According to the electronic industry standard SJ/T11364-2014 and related regulations, this device and some internal or external components may bear an environment-friendly service life label. The service life labels on the device and the components may be different, and the service life labels on the components shall prevail over any different labels on the product.

 Power adapter  RO Water Purifier