



Pro Elite 4



STUDY THIS MANUAL BEFORE USING

Section

◆ Product description	P.3
◆ Precautions for safe use	P.4
◆ Name of each part of system	P.5
◆ Notice before installation	P.7
◆ Installation instructions	P.8
◆ Instructions for use of Micro Computer	P.12
◆ IC Controller function	P.13
◆ When/How to replace filter	P.14
◆ Trouble shooting chart	P.16

Product description

Model/Name	RO-801B under sink RO system
Produce	Standard:50GPD
Filter type	Quick-change filter (includes RO membrane)
RO membrane	Quick-change, TFC membrane
Faucet	Separated Faucet Included
Size	390(H)mm x 245(W)mm x 390(D)mm
Tank inside	NSF approved storage tank, 2 gallons
Voltage	100V-240V AC
Weight	12.5kgs (empty) 16.5kgs(full)

The characteristic of 801 series Touch Panel RO system

- 1. The unique body design brings technology and health to your home.**
- 2. The LED touch panel gives all the information you need for a healthier life.**
- 3. Easy and Quick-Change Filter Replacement, auto notice filters replacing time.**
- 4. Auto detect leaking (beeping sound, water and electricity shut off)**
- 5. Adoption DC 24V for Safety**

Precautions for safe use

IMPORTANT: Read the instructions carefully prior to installation

- ★ After reading, please keep it in a place where anyone can see at any time.
- ★ Appearance may be subject to change without notice in order to improve the quality of a product.

WARNING: In the event that serious injury or death may occur in violation of instructions given.

- ◆ Don't attempt to disassemble or operate the device on your own.
- ◆ Don't damage product. Doing so may causes injury or product damage.
- ◆ For residential and light commercial use only. Don't use this appliance for other than the intended use.
- ◆ Check with your state and local public works department for plumbing and sanitation code.
- ◆ Don't install where the temperature and humidity are high.
- ◆ Don't place anything on the top of system.
- ◆ **Connect only to an ambient water supply**
- ◆ **Make sure not exceed 3 meters water tubing hose from water supply.**
- ◆ The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
- ◆ Children being supervised not to play with the appliance.
- ◆ The appliance is only to be used with the PE tube provided with the appliance.
- ◆ The appliance is only to be used with the power supply unit provided with the appliance.
- ◆ If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified people in order to avoid a hazard.

CAUTION: In the event that minor injury or product damage in violation of instructions given.

- ◆ Don't wipe with thinners, benzene, alcohol etc.
- ◆ Please use it in a safe place with no slope.
- ◆ Don't connect to hot water pipe and cold water pipe, only ambient water tap line.
- ◆ Connect only to an ambient water supply
- ◆ Don't move system when operating.
- ◆ Avoid installing the system where it could be exploded to water or moisture, other heating system.
- ◆ Make sure the system is plugged into a live 100-240V AC outlet.

Precautions for safe use

- ◆ If the main body falls in the water or water leak from inside of cabinet, immediately disconnect the plug and then take it out of water.
- ◆ When the system is not in use for a long period of time, please unplug the power supply of the system and turn off inlet ball valve.
- ◆ Make sure filter replacement time and use only factory authorized filters.
- ◆ If the system has not been used for long time, run out the first tank water to flush the filter. The next tank is safe for drink.
- ◆ Filter should be replaced on schedule and do not change filter set position arbitrarily.

Name of each part of system

● Front side



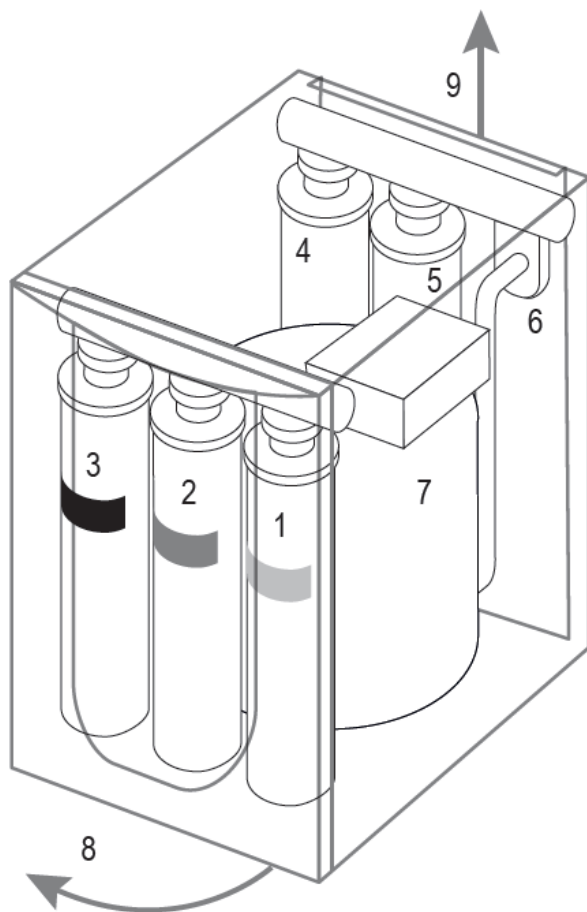
- ① Invisible faucet (Countertop)
- ② Water output button (Countertop)
- ③ Touch Panel

● Back side



- ④ Inlet
- ⑤ Drain
- ⑥ Faucet (Undersink)
- ⑦ Power Supply

● Inside



1. Pre-filter (PP filter)
2. Pre-filter (GAC filter)
3. Pre-filter (CTO filter)
4. RO membrane
5. Post carbon filter
6. Tank valve
7. Pressure tank (2 Gallons)
8. Front door (Opens to the left)
9. Back cover (Opens Upwards)

Your Reverse Osmosis System has been tested to ensure it will operate correctly. The following periodic maintenance is recommended so your system will provide years of trouble.

Filter	Function	Service Life
1st PP filter	Remove dirt, sand, silt and rusts	3 months
2nd GAC filter	Remove chemical, chlorine, odor and THMs	6 months
3rd CTO filter	Remove chemical, chlorine, odor and THMs	6 months
4th RO membrane	Remove heavy metal, bacterial and harmful organic chemicals	75ppm or 36months
5th Post Carbon filter	Remove odor and improve drinking water taste	12 months

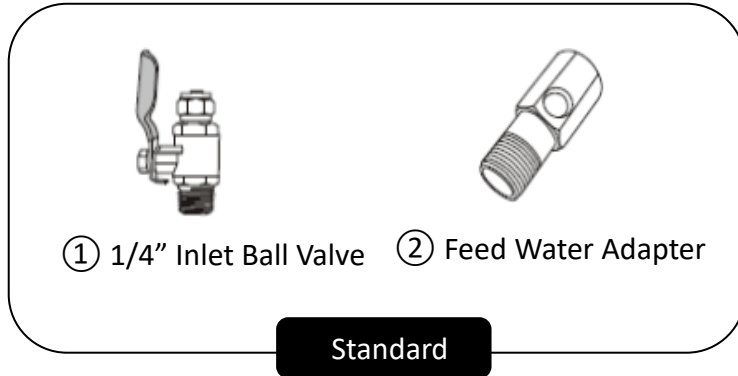
IMPORTANT:

When the system is not in use for a long period of time, please unplug the power supply of the system and turn off inlet ball valve.

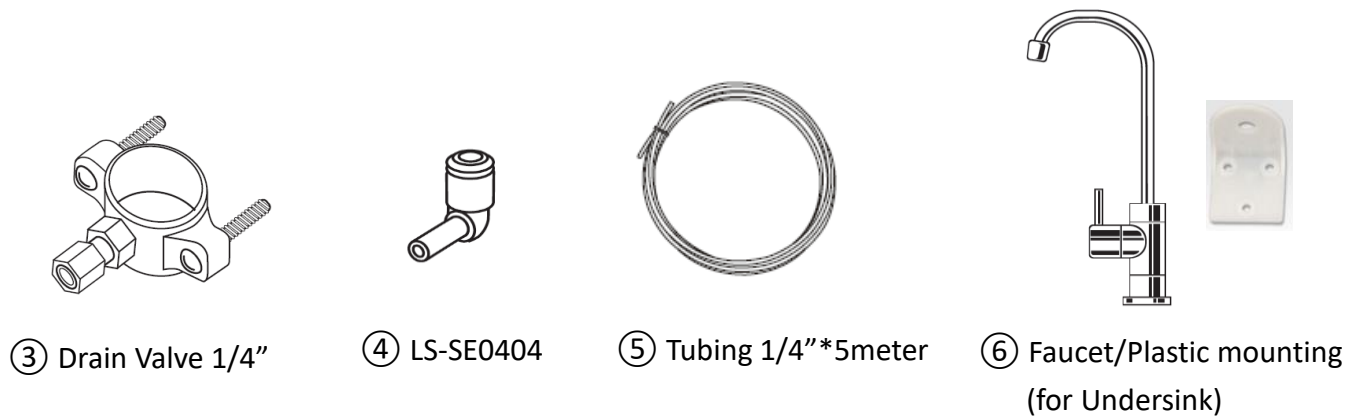
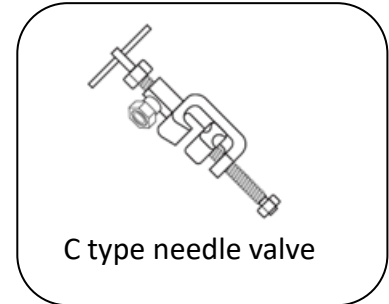
Notice before installation

Please check the components received against your packing slip to make sure you have all the parts.

*Package content



or



Please check the feed water sources.

◆ Do not use the system on microbiologically unsafe drinking water

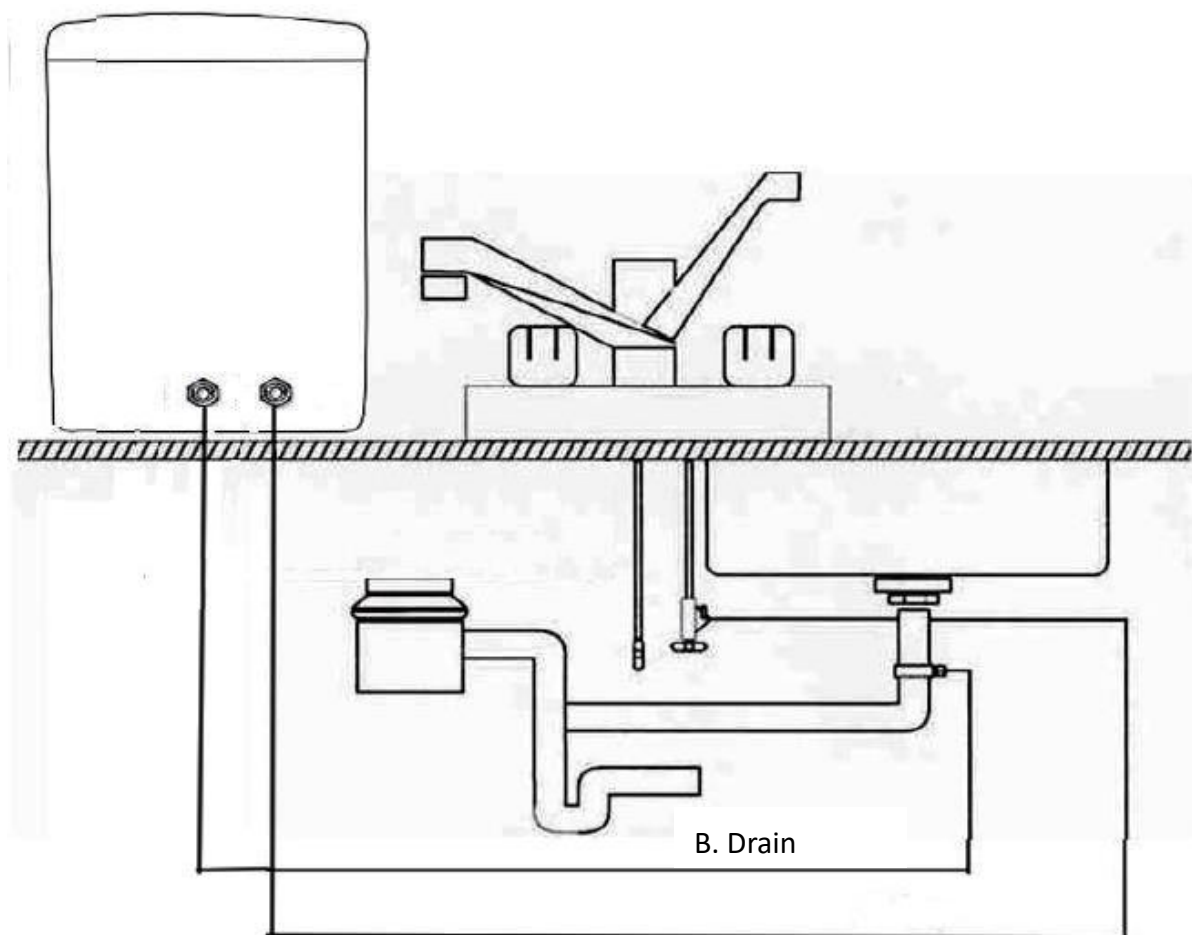
Notice:

1. Do not use cold or hot water (only to an ambient water) as this may damage the system.
2. Please be sure to turn off inlet ball valve when connecting water supply.
3. Check the tubing line is all straight position.
4. Do not operate system before finishing installation work.
5. Do not install it where the temperature and humidity are high. Keep it in a place it may not be adversely affected by temperature, sunlight, dust, salt, sulfur content etc.

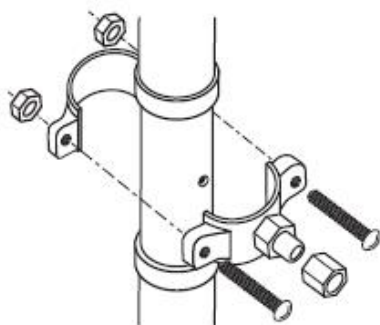
Installation instructions

Step 1.

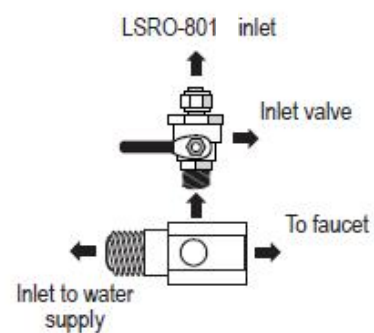
For **COUNTERTOP** type, connect the water source and drain with the system as the picture shows below.



A. Inlet water



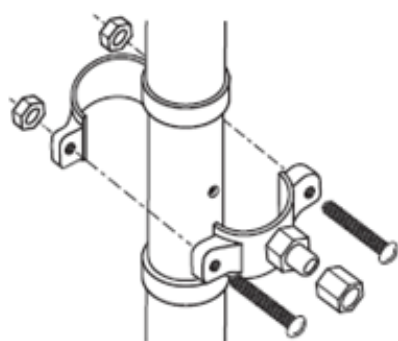
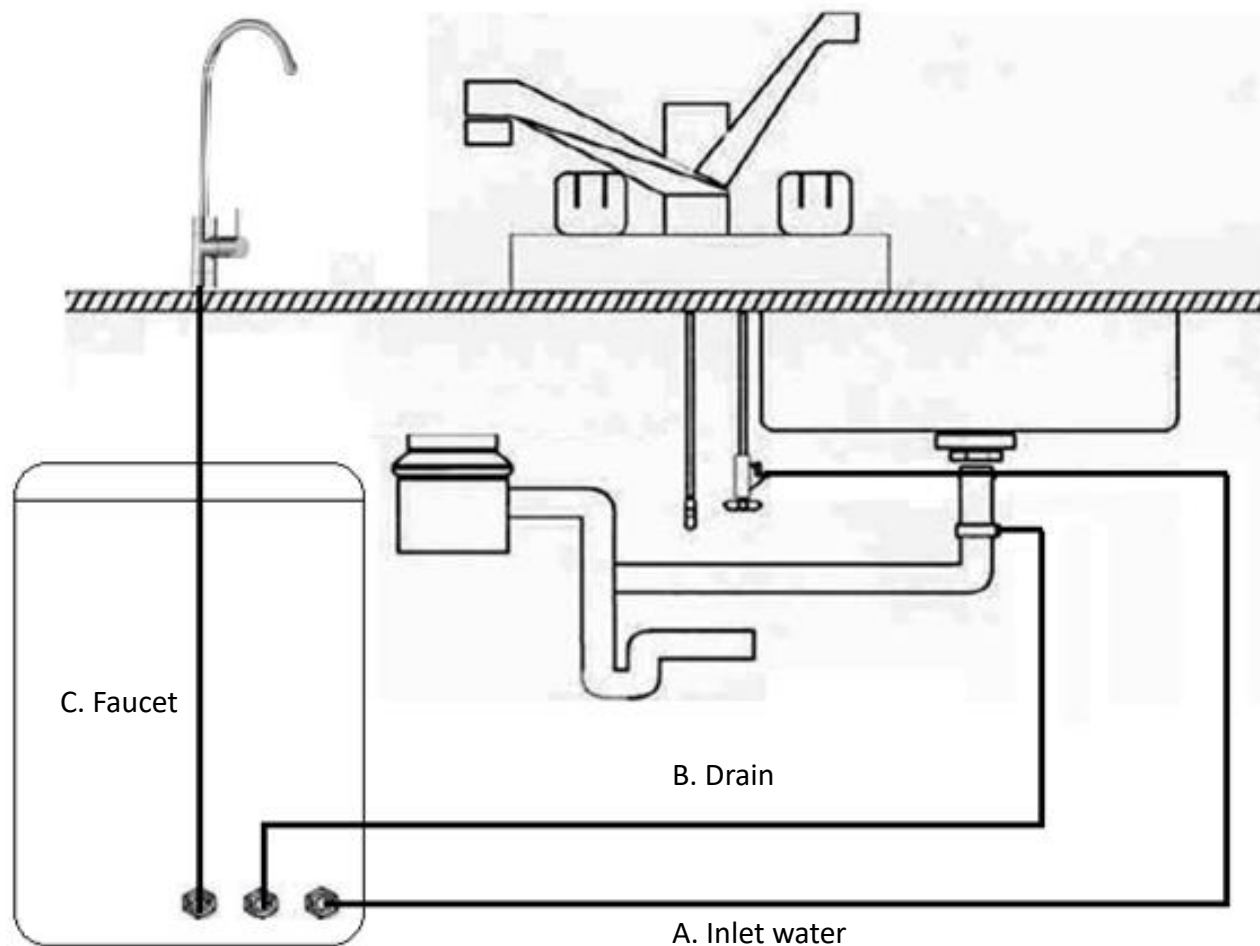
B. Connect to drainage.



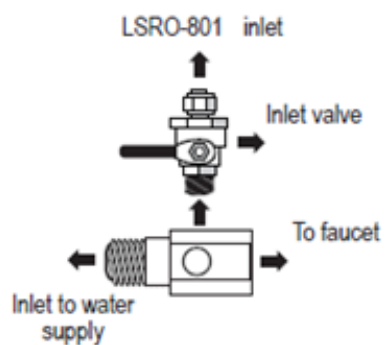
A. Connect to the water supply.

Installation instructions

For **UNDERSINK** type, connect the water source and drain with the system as the picture shows below.



B. Connect to drainage.

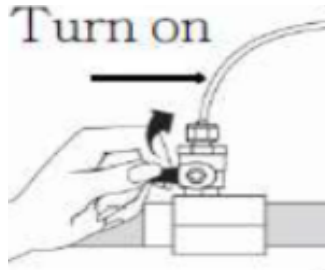


A. Connect to the water supply.

Installation instructions

Step 2.

Turn on the inlet ball valve as the picture shows below. The water will start to go into the system.



Step 3.

Please plug on the power, pump start working to produce pure water. The system will start to flush for 2 minutes. At the same time, please take off the back cover and turn off the pressure tank ball valve. (Please refer the position as below picture)



Turn off the pressure tank ball valve

Step 4.

After 2 minutes of flush, open the faucet/invisible faucet to take out water. Within a few minutes the water will start to run from the faucet slowly. (This is for making sure the pure water can be produced smoothly)

- How to take water from Invisible faucet (Countertop)



Pull the invisible faucet out



Press the Water output button

Installation instructions

Step 5.

Then, open the pressure tank ball valve and close the faucet/invisible faucet. Now the pure water will go into the build-in tank directly. The booster pump will stop when tank is full of water. (Need about 40 minutes)



Turn on the pressure tank ball valve

Step 6.

When the tank is full, please open the faucet and run out all water until the tank is empty and there is only a small flow from the faucet. Then close the faucet to collect the second tank water. When the tank is full, please run out the second tank water again. **DO NOT USE THE FIRST and SECOND WATER TANK!** The third tank is safe for drink.

NOTICE:

If this RO system is installed with UV sterilizer, the water temperature of the first cup(250cc) may reach around 50 degrees. This situation is normal when the pure water stores in the system over 2hours.

Instructions for use of Micro Computer

- ♦ Touch-sensitive design (Touchpad)
- ♦ Automatic leak detection (Water and electricity turn off)
- ♦ Monitor water quality, 24 hours
- ♦ Automatic filter replacement alert
- ♦ Filter change button to close the water inlet
- ♦ Self-cleaning of the Reverse Osmosis Membrane



A SET Button:

Used for checking the filter replacement time and TDS value.

※ Do not touch any button after checking, just wait for 30sec the screen will turn off after beep sound.

B ZERO Button:

- 1) Used when changing filters.
- 2) Used for adjusting the filter time/TDS setting.

C FILTER CHANGE:

Button to isolate water supply-use when changing the filter.

D TDS screen:

Display TDS value in ppm and shows replacement time and TDS value when adjusting.

E OK indicator:

Light is on when water TDS is acceptable.

F OVER indicator:

Light is on when water TDS is higher than acceptable value and the membrane should be changed.

- G FULL** Light is on when the tank is full.
- FLUSH** Light is on when the membrane is being flushed
- PROCESS** Light is on when the system is producing water
- SOURCE** Light is on when water is supplied normally;
Light will be blinking when water supply is stopped.
- POWER** Light is on when power is supplied normally

IC Controller function

1. After installation is completed, both of power and water supply are ready, the system will automatically flush for 2 minutes. Then, TDS screen will show 8 PPM and OK indicator will be on. After that, the pump will work and the system starts the production of water. 4 minutes later, the real TDS will be detected and shown on the screen.
2. When the tank is full, TDS will stop detecting water quality. The FULL light will be ON and FLUSH light will also be ON, which means the system is flushing the RO membrane. The flushing process will take 15 seconds.
3. Every time before producing water, the high-pressure switch will be delayed for 15 seconds before starting 15 seconds flushing process. The purpose of this delay function is to confirm the system is certain to produce water (tank pressure \leq 25 PSI) and prevent the solenoid valve from turning on and off repeatedly.
4. When the water supply is stopped, the low-pressure switch will be delayed for 10 seconds. The purpose of this delay function is to confirm water supply is certain to be insufficient and prevent the solenoid valve from turning on and off repeatedly. After the water supply is available, the system will cancel the delay process automatically. (When the water supply is stopped, TDS detection stops, too. When the water supply is coming and the system starts to produce water, 4 minutes later, the real TDS will be detected and shown on the screen.)
5. Automatically detects leaking: If the system detects a leak, both water and electricity will be turned off automatically. The Leaking light will blink, and the system will emit a beeping sound until the leaking problem is solved.

When/How to replace filter

When the filter time is up, the light sign of 1/2/3/4/5 will be on. When the machine starts to produce water, there will be 90 seconds beep sound to remind users to change the filter.



WARNING- Insert a cloth under the filters before remove them as drips may occur. Excessive dripping into the system base tray may trigger the auto leak detection.

For filter 1, 2 and 3 (Front)

- ① Press & Hold “FILTER CHANGE” button until light flashes and open the front door.
- ② Raise the used filter up, turn the filter to left (counter clockwise) and pull filter straight down to take it out. Replace with a new filter.



- ③ Press & Hold “ZERO” button until heard a beep sound, the light sign of 1/2/3/4/5 will be off. And the system will start to flush for 2 minutes.



NOTE: If both filters are showing as due for replacement, replace both before pressing the ZERO button

When/How to replace filter

For filter 4 and 5 (Back)

- ① Press & Hold “FILTER CHANGE” button until light flashes and open the back cover.



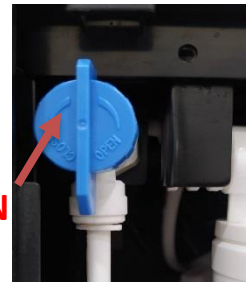
- ② Find the tank ball valve (in the left of upper). Turn the tank valve to the OFF position.



- ③ Raise the used filter up, turn the filter to left (counter clockwise) and pull filter straight down to take it out. Replace with a new filter.



- ④ Turn the tank valve to the ON position.



- ⑤ Press & Hold “ZERO” button until heard a beep sound, the light sign of 1/2/3/4/5 will be off. And the system will start to flush for 2 minutes.



NOTE: If both filters are showing as due for replacement, replace both before pressing the ZERO button

Trouble Shooting Chart

- Check out before requesting help and reporting product failure.
- Before calling customer's support, check the following and if you still need help, please contact customer support.

● Symptoms	Causes	Measures to Be Taken
RO system does not work	No Tap/Feed water source	Turn off the inlet ball valve until water is supplied normally.
	No power supply	Turn off the inlet ball valve and unplug the power until power is supplied normally.
	Other reasons	Turn off the inlet ball valve and unplug the power, please contact with your dealer or customer support.
Water is leaking	Fittings are loose	Turn off the inlet ball valve and unplug the power. Lock the loose fitting tightly.
	Leaking from booster pump	Turn off the inlet ball valve and unplug the power. Don't try to open the booster pump, please contact with your dealer or customer support.
Produce pure water slowly	Filters are clogged with dirt	Turn off the inlet ball valve and unplug the power, please contact with your dealer or customer support.
	The pressure in tank is not enough	
Drain water or booster pump can't stop	Solenoid valve or high-pressure switch are damaged	Turn off the inlet ball valve and unplug the power, please contact with your dealer or customer support.
Leaking light flash and beeping	Filters/Tubes/Connector leaking	Turn off the power supply. Fix the leaking problem. Dry up the inside of system and the leaking detector. Turn on the power