

# Reverse Osmosis Water Purifier Installation Manual

Thank you for choosing our RO water purifier.  
This product provides safe and excellent drinking water.  
Please read this manual before installing your RO system.

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## 1. Precaution

### 1-1 Safety Issues

Please note the following rules for safe use of this product.

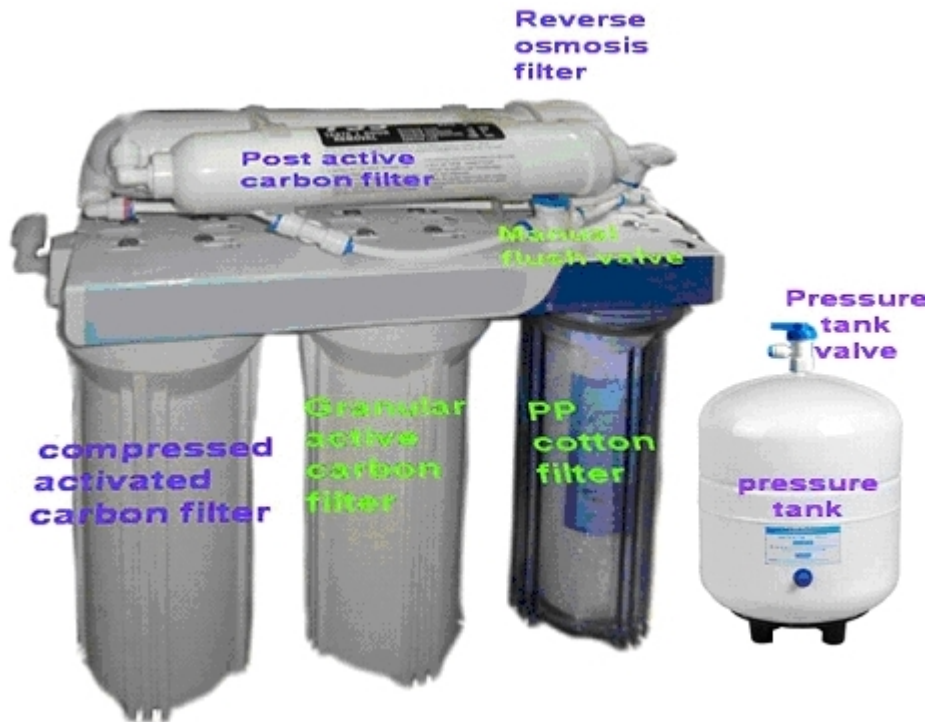
<p><b>Troubleshooting</b> If the machine fails, disconnect the water source immediately.</p>	<p><b>Accessories and filters</b> To maintain the normal operation of the machine, be sure to use accessories and filters supplied by T-Zone.</p>
<p><b>Maintenance</b> To avoid leakage or damage, never remove any parts on the machine.</p>	<p><b>Replace the filters</b> To ensure water quality, change the filters as needed.</p>
<p><b>Keep away from children</b> Never let a child operate the machine.</p>	<p><b>Repair service</b> Contact T-Zone for repair.</p>
<p><b>Temperature</b> Use the product in a dry place with the temperature of 5-45°C</p>	<p><b>Avoid direct sunshine</b> Do not install the machine in a place exposed to direct sunshine.</p>
<p><b>Moisture</b> If the machine is not used for a long time, flush for 5-10 minutes.</p>	<p><b>Anti-freeze</b> Never store or expose the product in an environment less than 0°C.</p>

## 1-2 Packing List

RO water purifier
Installation Manual, warranty card
 <p>gooseneck tap, RO membrane wrench, filter wrench, 1/4" PE pipe (6m) pressure tank valve, parts bag</p>
RO membrane
pressure tank

## 2. Reverse Osmosis Water Purifier

### 2-1 Component Parts



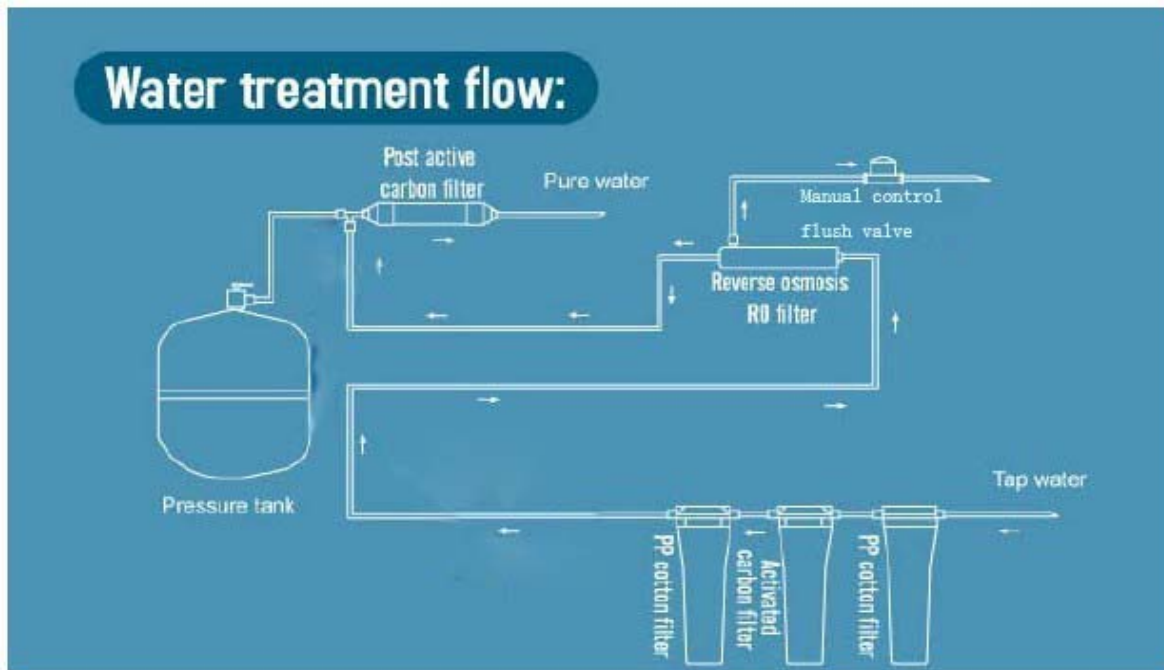
Note 1µm PP cotton filter replaces the compressed activated carbon filter in the diagram.

### 2-2 Specifications






Model	707
Rated flow of purified water	7.8 litres per hour
Applicable pressure	3kg/cm <sup>2</sup> required
Level 1	PP cotton filter 5µm

Level 2	granular active carbon filter
Level 3	PP cotton filter 1µm
Level 4	RO membrane filter
Level 5	post active carbon filter
Applicable water	Tap water
Water quality of effluent water	Water meets World Health Organization health standards.
Dimensions (mm)	435*135*400 (L * W * H)

### 2-3 Working Principle Water Flow Diagram

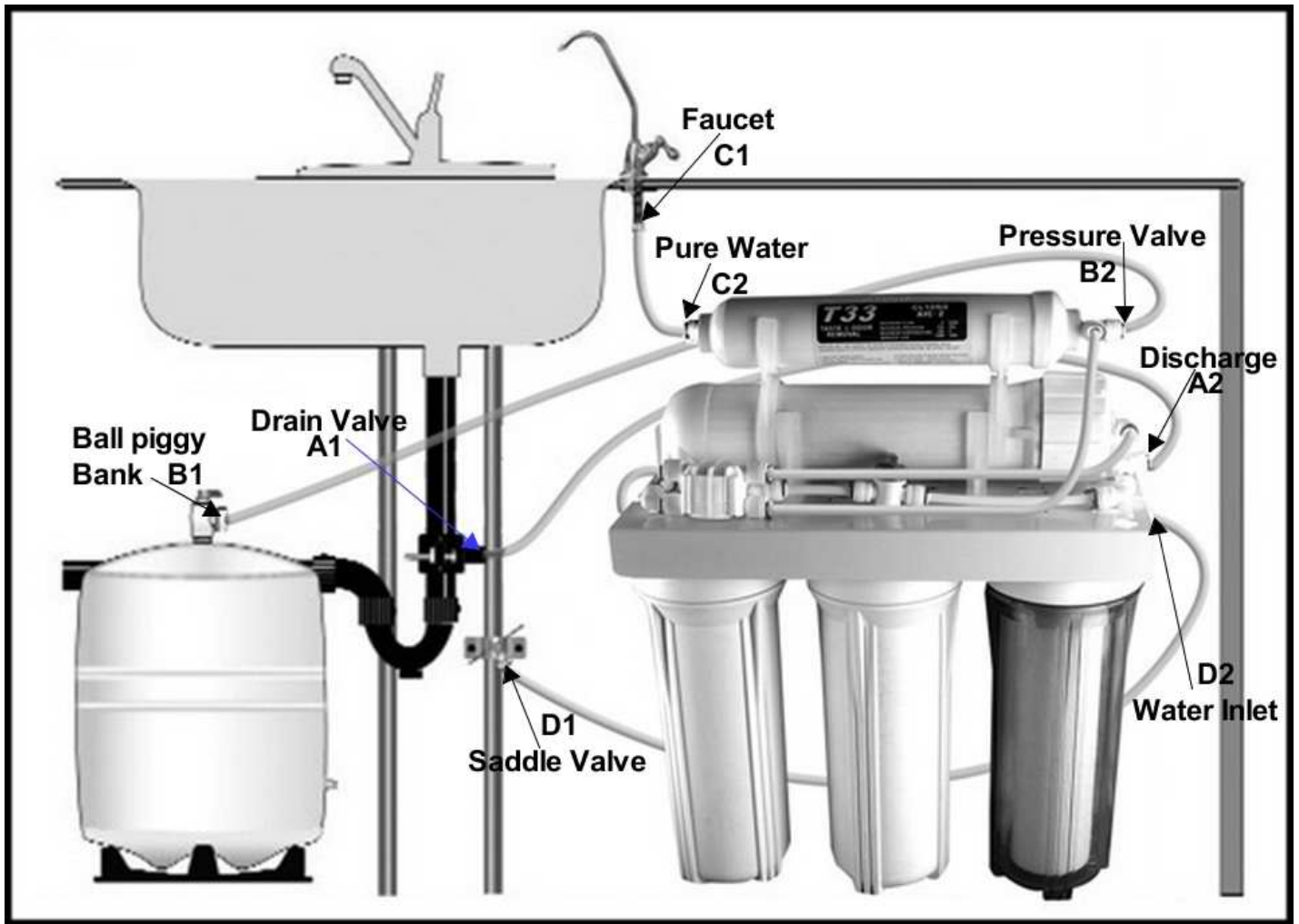


### 2-4 Filter Functions

Level	Name	Illustration	Function
Level 1	PP cotton filter 5µm		This 5 Micron pre-filter protects the RO membrane by removing larger sediment, rust, and particulates.
Level 2	Granular active carbon filter		Active carbon means a slightly positively charged carbon, which is very effective at removing volatile organic chemicals such as pesticides and herbicides.
Level 3	PP cotton filter 1µm		Designed for very fine sediment.
Level 4	Reverse osmosis membrane		This high-calibre filter removes toxic heavy metals such as mercury and lead, most bacteria and viruses (larger than .0001 µm - most viruses and bacteria are between .02 - 1.0 µm).
Level 5	Post active carbon filter		A final filtering to remove any lingering tastes and odours

### 3. Installation Steps

#### 3-1 Installation Diagram



#### 3-2 Installation of Reverse Osmosis Membrane

Unplug the ¼" PE hose. Use the RO membrane wrench to remove the RO filter cap. Remove the RO filter from its packaging and insert it into the RO tube (O-ring side first). Use the wrench to tighten the filter cap. Reconnect the hose.



### 3-3 Installation of Level 1-3 Filters

Remove the plastic packaging. Use the filter wrench to loosen the filter containers. Install the filter cartridges (Level 1 PP cotton filter 5µm, Level 2 Granular active carbon filter, Level 3 PP cotton filter 1µm). Tighten the filter containers with the wrench.



Use wrench to loosen/tighten filter containers.



Level 3, 2 and 1 filters

### 3-4 Installation of Feed Water Connection

Connect the saddle valve for the feed water connection to the cold water pipe below the sink. The other end is connected at the Level 1 filter.

### 3-5 Installation of Pressure Tank

Open the pressure tank box; remove the pressure tank. Remove the cap and attach the valve. Attach the hose to the valve. Connect the other end of the hose to the post active carbon filter (right side).



Remove cap.



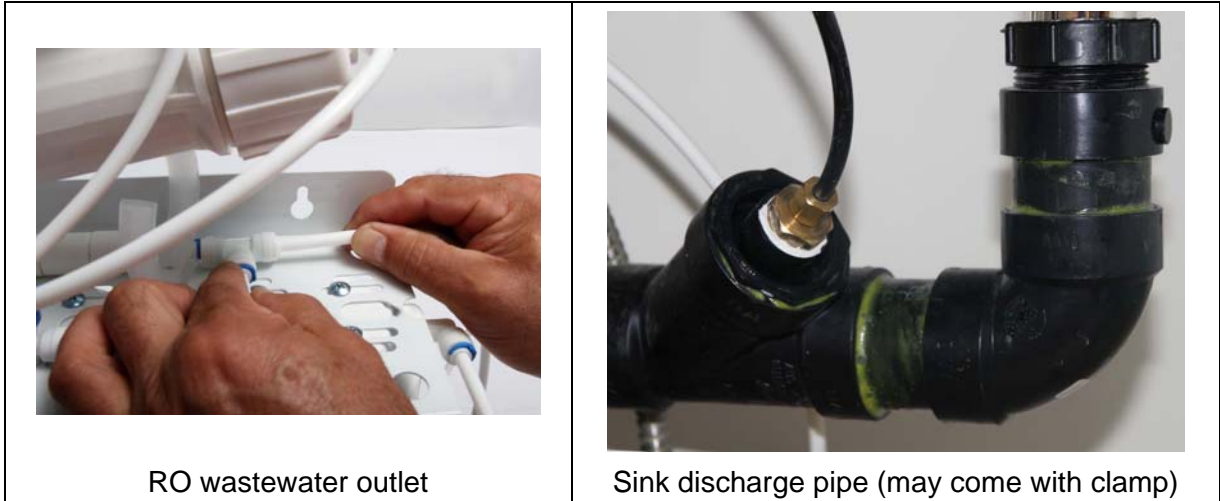
Attach valve.



Attach hose to tank.

### 3-6 Installation of Wastewater Hose

Drill a hole in the sink discharge pipe for the hose. Connect one end of the ¼" PE hose with the reverse osmosis water system outlet, the other end into the sink discharge pipe.



### 3-7 Installation of Faucet

Drill a hole in the countertop or sink for the faucet. Connect hose from post active carbon filter (left side) to the faucet.



## 4. Maintenance

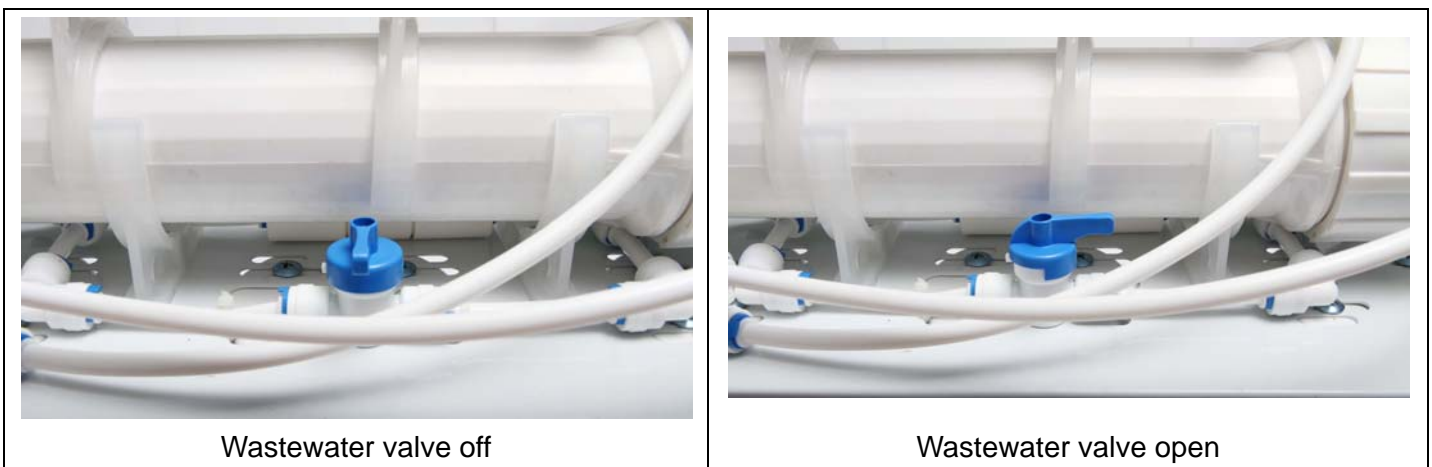
### 4-1 Cleaning Filters and Pressure Tank

Flush each stage before making the first pure water. Close the wastewater valve first, then remove the inlet hose of the RO shell, and then open the wastewater valve. Let the wastewater flow until no more wastewater comes out. The Level 1-3 filters will flow the wastewater. After they are flushed clean, they can be used for a long time. Reconnect the inlet hose to the RO shell, and then let it make water and open the tank pressure valve and close the faucet. When the pressure is up to 1 kg, open the faucet to flush the Level 5 filter and pressure tank.

### 4-2 RO Membrane Cleaning

The water impurities and bacteria trapped in the RO membrane surface will affect the water quality, and decrease the output, so the RO membrane should be washed regularly.

Close the pressure tank valve; open the wastewater valve. Flush for 1-3 minutes. After flushing, close the wastewater valve; open the pressure tank valve, back to normal operation.



### 4-3 Filter Replacement Cycle

Level 1 PP cotton filter 5 $\mu$ m	Level 2 Granular active carbon filter	Level 3 PP cotton filter 1 $\mu$ m	Level 4 RO membrane filter	Level 5 Post active carbon filter
3~6 months	6~9 months	3~6 months	18~24 months	6~12 months