

## Memo

Type of product	HRO-500		
Date of purchase			
Name		Tel	
Address			

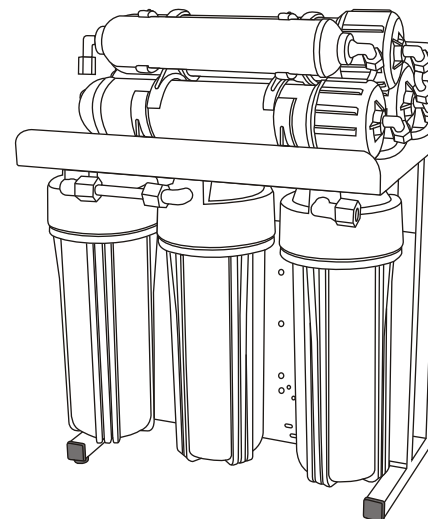
**PUREPRO**  
DRINKING WATER SYSTEM

## REVERSE OSMOSIS SYSTEM

# HRO-500

## USER'S MANUAL

- 01 Introduction of HRO-500
- 02 What is Reverse Osmosis
- 03 Components & Selections
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**Thank you very much for selecting Pure-Pro Water Corp.**

In order to bring the best use of your system, please read the user's manual carefully before installation and follow the regulations.

HRO-500 High Capacity Reverse Osmosis System

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**17** PURE-PRO REVERSE OSMOSIS SYSTEM

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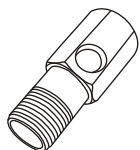
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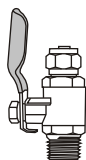
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## Components & Selections

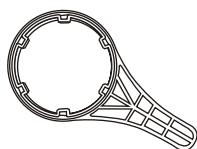
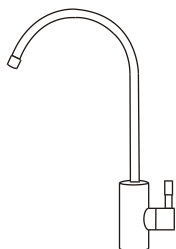
### Components



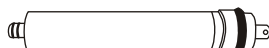
Feed water connector



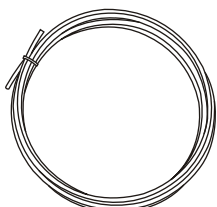
3/8 deliver-valve

Housing wrench  
half-circle

Faucet



RO membrane x3

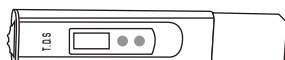


Tubing

### Selections



Mineral cartridge filter



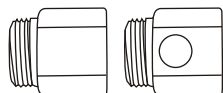
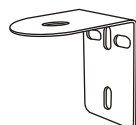
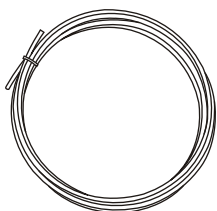
TDS meter



Infra-red cartridge filter



UV water sterilizer

6/8 hot & cold water  
deliver-valvestanding faucet  
bracket3/8 extended RO  
tubing white

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## FAQ

### Q: What is the guarantee on the PurePro system ?

The PurePro system (excluding filters) is guaranteed for 1 year for material and workmanship. All defective parts will be replaced free within the first year under natural breakdown. The membrane has one year pro-rated guarantee.

### Q: What factors affect the quantity and the quality of the water production?

There are four major variables to consider:

1. **Pressure**-The greater the water pressure, the better water quantity and quality it produced. Water pressure of 60 PSI is ideal.
2. **Temperature**-76°F is the ideal water temperature for R.O. 40°F water will cause the production of R.O. water to fall to half of that at 76°F. The maximum water temperature recommended is 85°F.
3. **Total Dissolved Solids (TDS)**-The higher the amount of dissolved contaminants in the water, the lower the quantity of water produced. A high level of TOTAL DISSOLVED SOLIDS can be overcome with additional water pressure.
4. **Membrane**-Different membranes have different characteristics. Some produce more water than others; some have better contaminant rejection capabilities; some have greater resistance to chemical abrasion for longer life. PurePro system includes TW30-1812-200 The Thin Film Composite (TFC) membranes combine the best of these characteristics and are considered the finest membrane in the world.

### Q: My RO system is not making any water. What should I do?

1. Make sure you plug in electricity.
2. Check the water supply. Make sure it's on.
3. Check if pumps work well.

If none of above occur, please contact a technician at the nearest shop for assistance.

### Q: What does the PurePro series drinking water taste like?

The taste of the PurePro water depends on the amount of contaminants in the tap water originally. If 95% of dissolved minerals and chemicals are removed, the R.O. water may taste like distilled water (no minerals), bottled water (low mineral), or natural spring water (moderate mineral content).

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## Operation regulation

- A. With everything connected, turn on the water check for leaks.
- B. Within a few minutes (up to 15) the water will start to run from the faucet slowly.
- C. Let the water run for at least 30 minutes. This flushes the carbon filters on first time use.
- D. Close the sink top faucet. The system is now ready for use.
- E. Change filters regularly every 6 to 12 months and have the membrane checked annually.

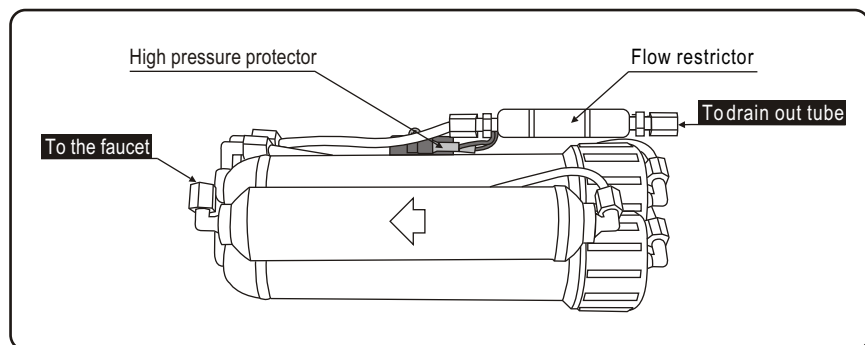
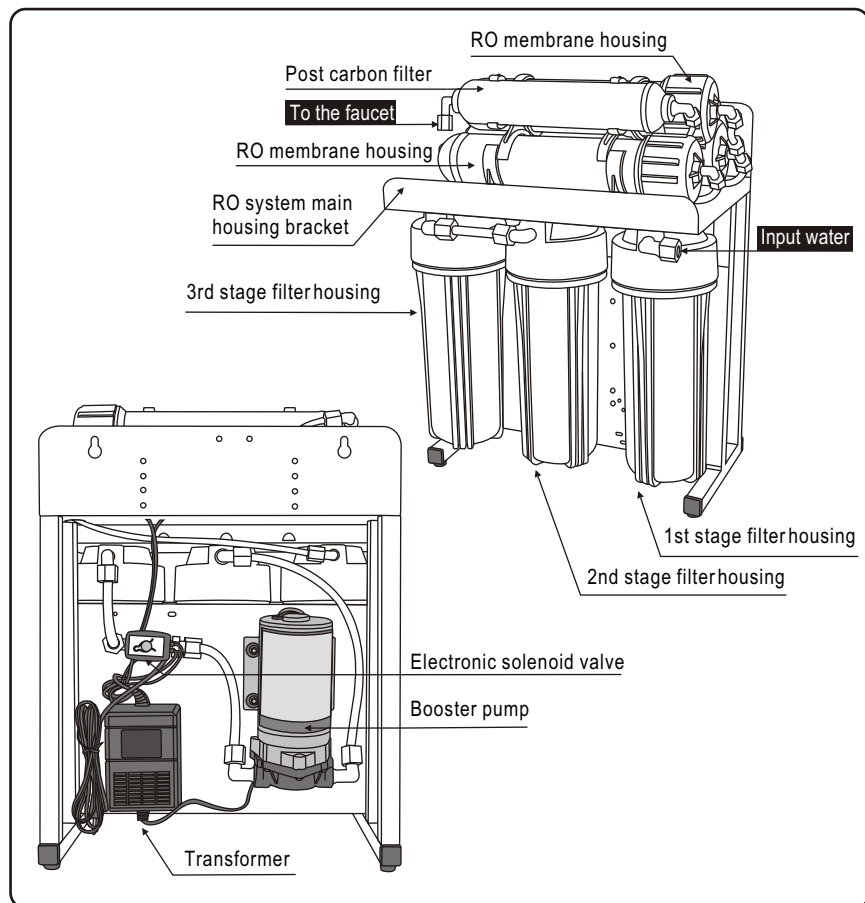
### Caution

1. Do not use hot water (over 45°C)!
2. Do not freeze the machine!
3. Switch off electricity and water source if away for more than 5 days, and drain out pure water.

## Cartridge Filters

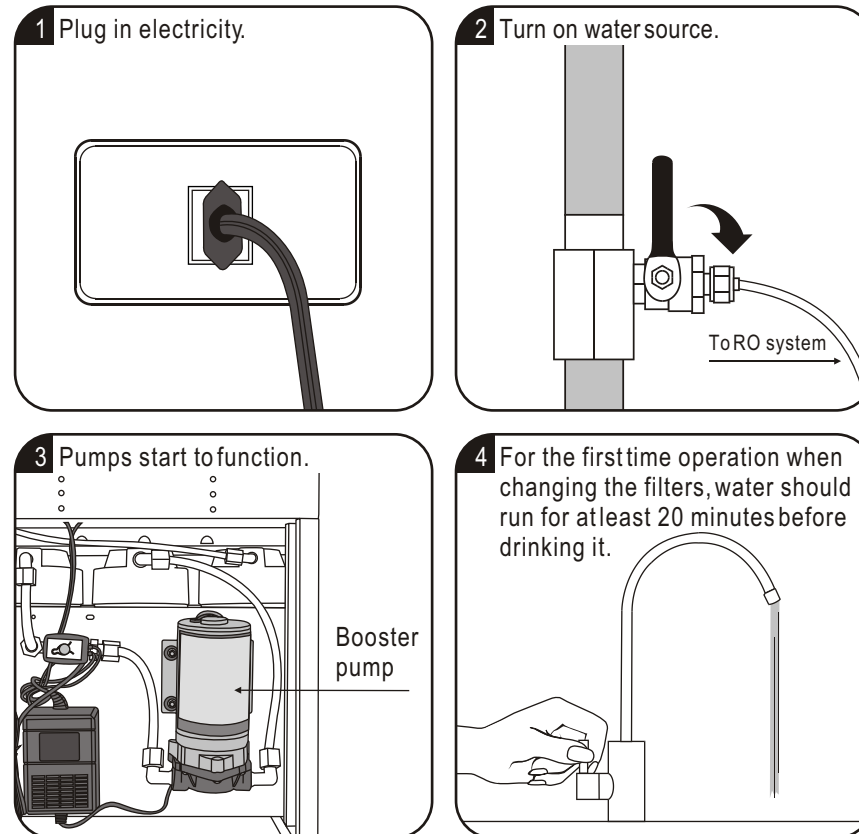
Cartridge Filters	Filter Description	Service Life
<b><u>Stage 1</u></b> <b>5 micron Sediment Filter</b> 	This 5 micron sediment filter is made of 100% pure polypropylene fibers. High capacity filter removes dusts, particles and rusts.	3 Months
<b><u>Stage 2</u></b> <b>Granular Activated Carbon Filter</b> 	This granular activated carbon filter is composed of high-performance activated carbon that removes free chlorine, odor, organic contaminants, pesticides and chemicals that contribute to taste and odor.	3 Months
<b><u>Stage 3</u></b> <b>Block Carbon Filter</b> 	This block carbon filter is composed of high-performance carbon that removes free chlorine, odor, organic contaminants, pesticides and chemicals that contribute to taste and odor.	3 Months
<b><u>Stage 4~6</u></b> <b>200GPD TFC membrane 2 pcs</b> 	200 Gallon Per Day Membranes are now available in residential sizes. Designed to perform in operating conditions similar to most standard under-the-counter home RO units, the TW30-1812-200 forms a tight fit in most standard residential housings.	1 Year
<b><u>Stage 7</u></b> <b>Post Carbon Filters</b> 	NSF approved. This post carbon filter is designed to improve taste. It removes any residual impurities and odors from the tank and provides a finer conditioning of pure water.	1 Year

## The parts of HRO-500



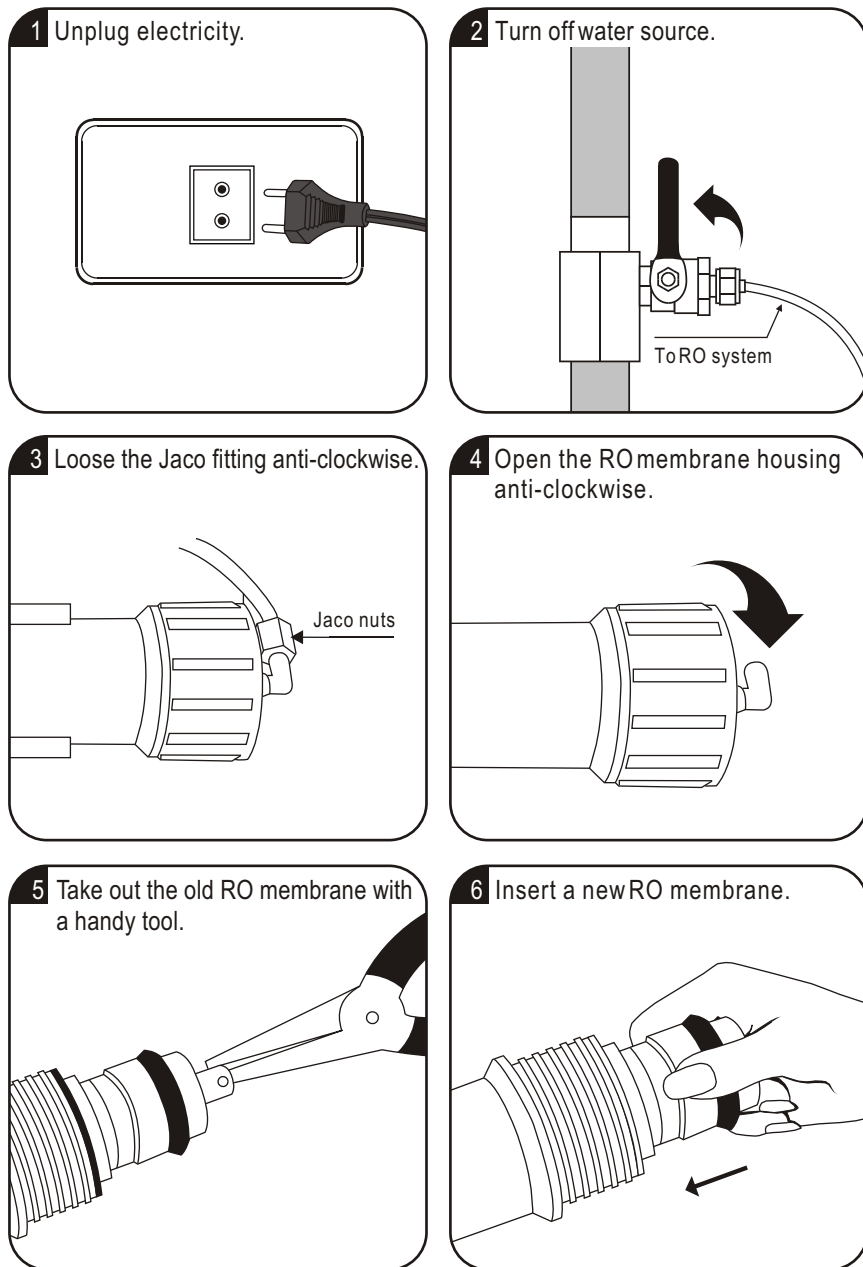
HRO-500 High Capacity Reverse Osmosis System

## Operation regulation



HRO-500 High Capacity Reverse Osmosis System

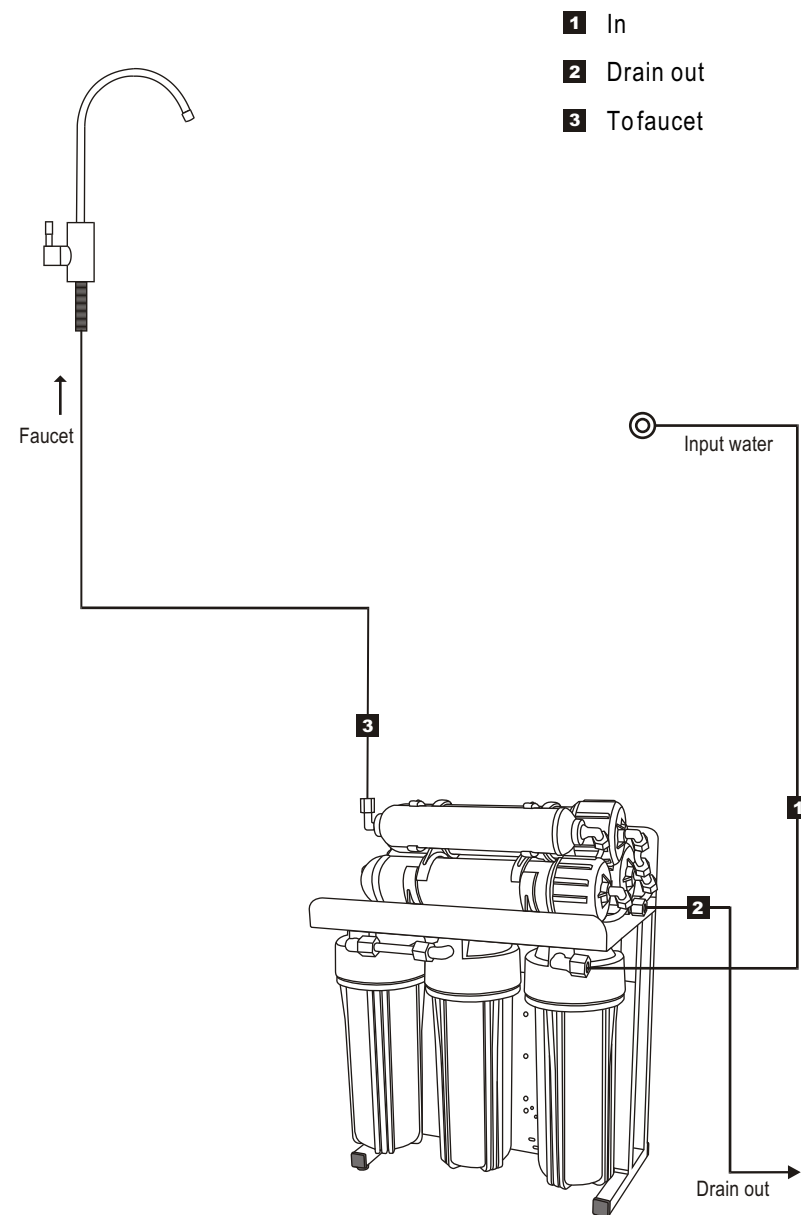
## Change membrane



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## Tubing connection diagram

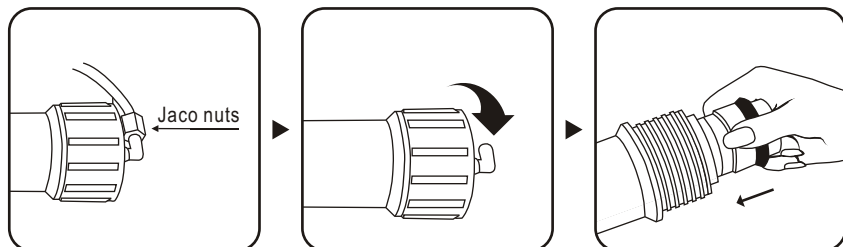


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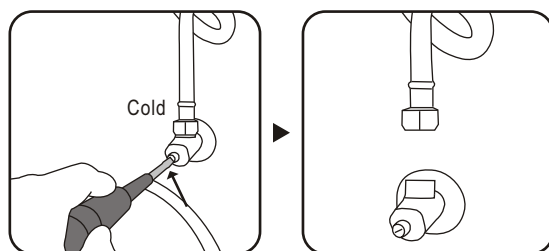
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## Installation diagram

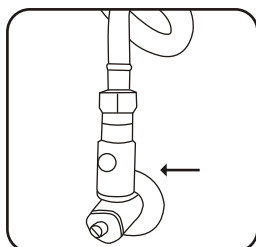
1. Loosen the fitting nuts and the cap from the RO membrane housing as shown in the picture. Unpack the RO membrane and insert to its housing (rubber gasket towards the open end). When completed, tighten up the cap with the RO membrane housing and the jaco fittings.



2. Turn off the water supply. Loosen the stainless steel pipe connector.



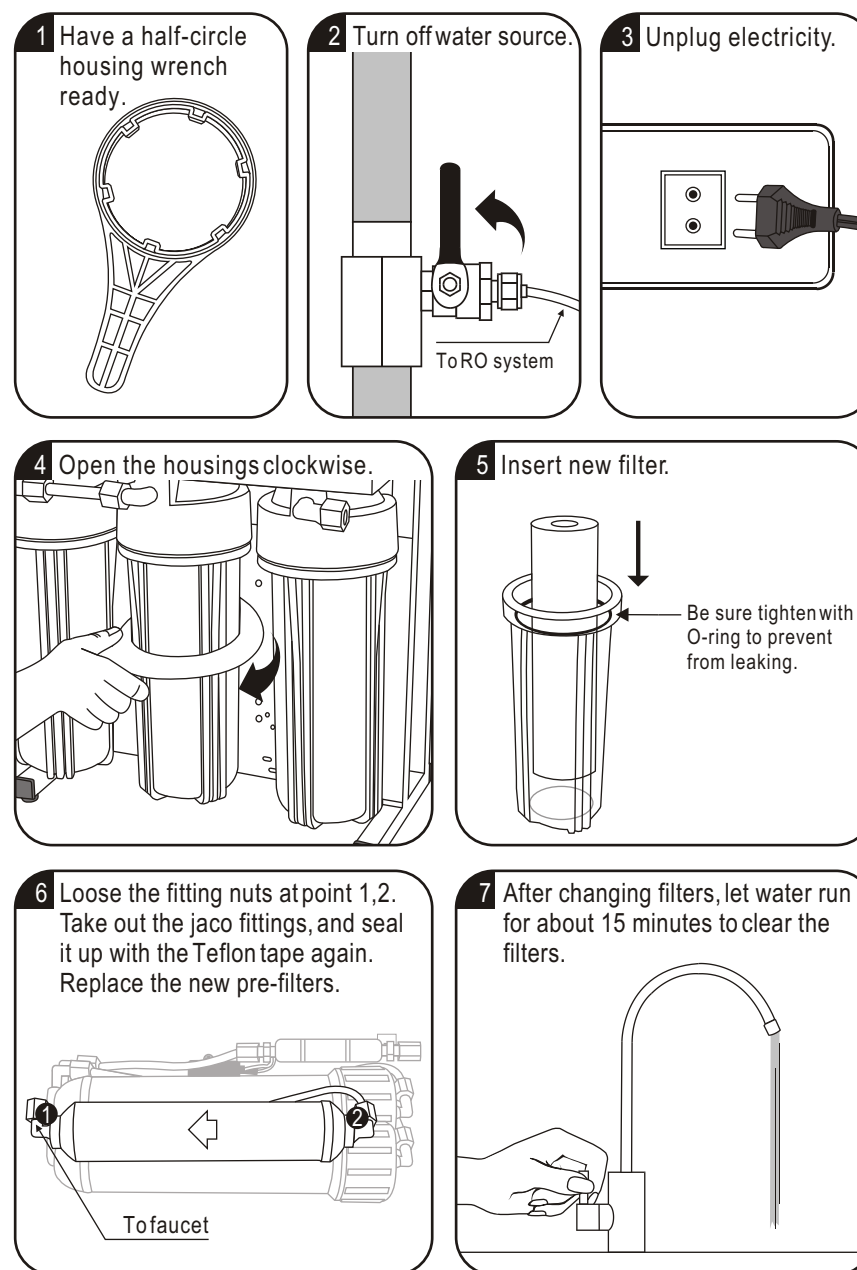
3. Get feed water connector and connect it to the stainless steel pipe as in the picture 2.



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## Change filters



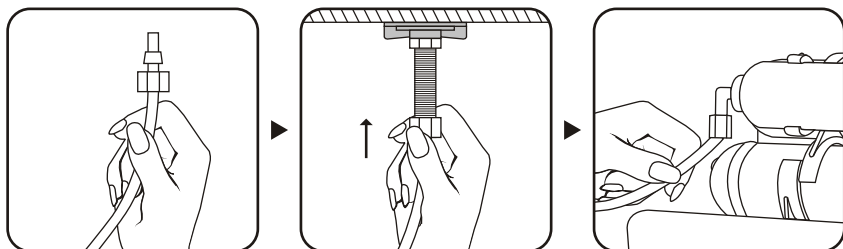
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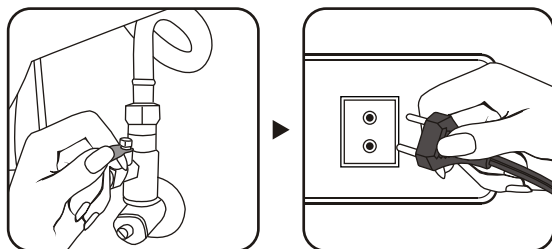


## Installation diagram

9. Take tubing white. Wear the concave type screw on tubing white and insert the tubing shroud as shown in the picture. Connect the tubing top with the faucet end. Then connect the tubing end to the last stage filter (as point 3 on page 06)



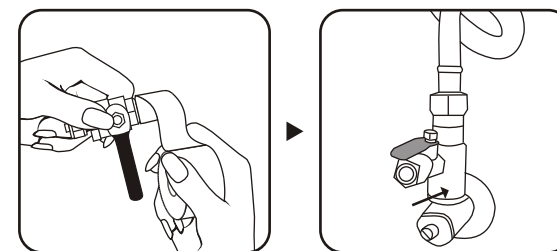
10. Make sure that you complete No. 1 to No. 9. If so, switch on water supply and plug in electricity.



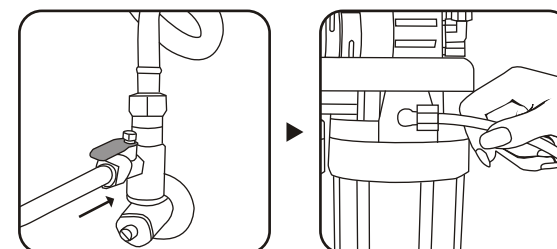
PS. Do not use drink water from the first made water in the tank.

## Installation diagram

4. Get deliver valve and seal it with Teflon tape for 14 circles. Then connector it with the feedwater connector.

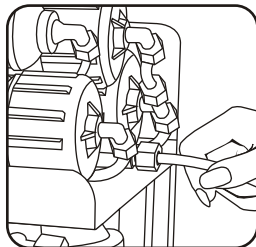


5. Get tubing white, connect it with deliver valve and the inlet water supply (as point 1 on page 06)

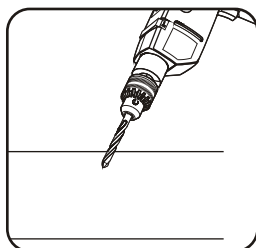


## Installation diagram

6. Take tubing white again, connect it with the drain out (as point 2 on page 06)

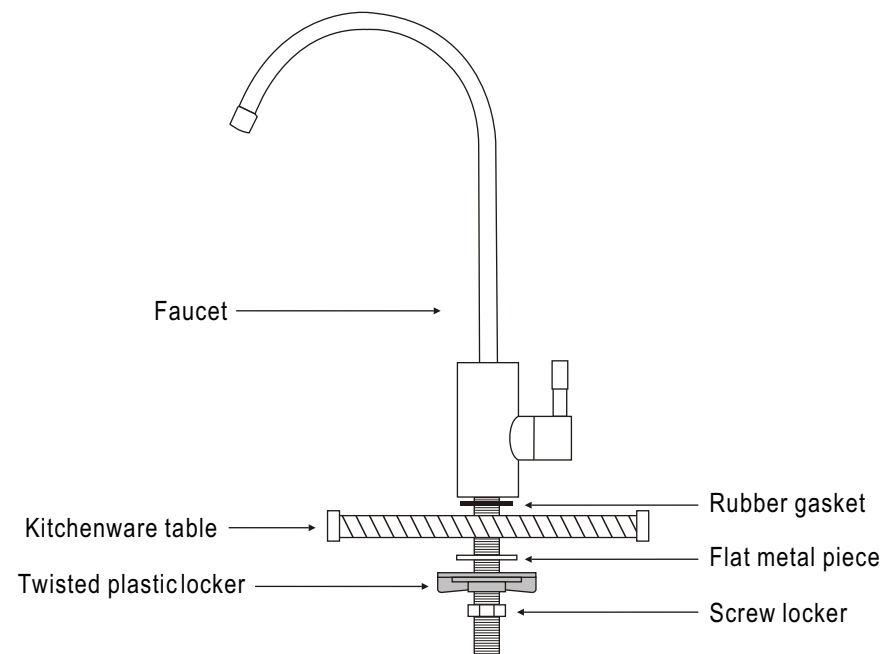


7. Use an electric drill and drill an approximately 1 cm hole through the kitchenware table.



## Installation diagram

8. Take out the faucet and its components. Install the faucet and the rubber gasket to the kitchenware table. Install the rest of component as shown in the picture.



PS. To suit your kitchenware table, you can choose to have twisted plastic locker or screw locker to be installed for your faucet.