

# Reverse Osmosis

PURE WATER SYSTEM



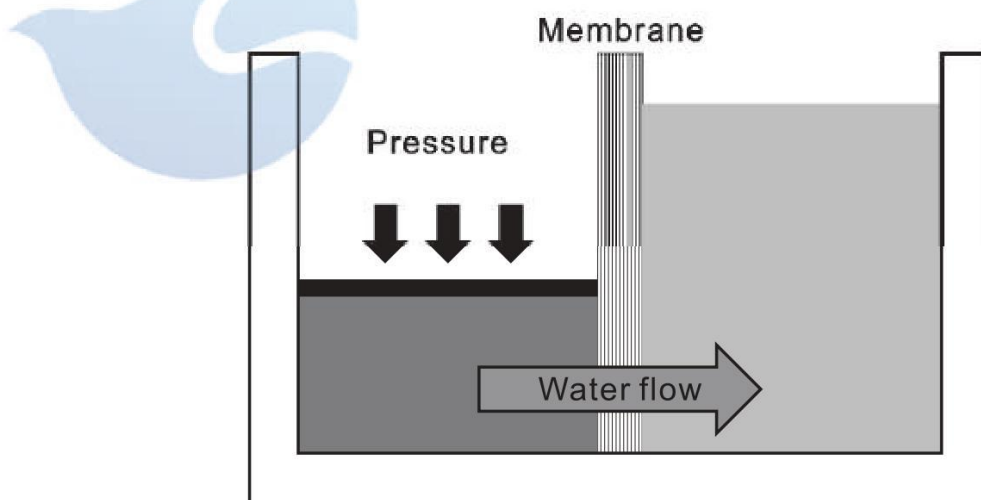
## Applications

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The system is designed with the concept of space saving, and maximize the flow of fresh water. It could be under sink or counter top design, it is compact in size and well adapted with any kitchen sink.

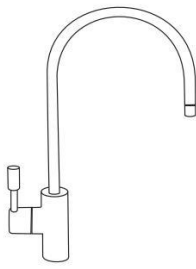
The system is designed to make tap water drinkable for the user. It fits with Reverse Osmosis membrane, which has pore size much smaller than bacteria, virus or parasite. It removes microorganisms and produce clean water.

Reverse Osmosis purification improves both the taste and quality of your water. It reduces up to 99% of the chlorine, as well as objectionable odors and sediment. Reverse Osmosis water filtration also reduces the following contaminants that may be present in your water: lead, copper, barium, chromium, mercury, sodium, cadmium, fluoride, nitrite, nitrate, and selenium.

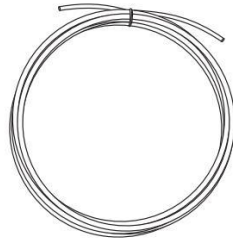


## Components

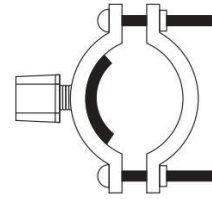
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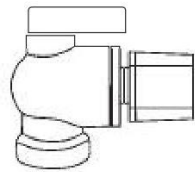
Faucet



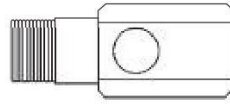
Tubing



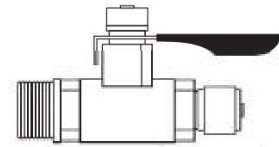
Drain saddle



Tank valve



Faucet adapter



Ball valve



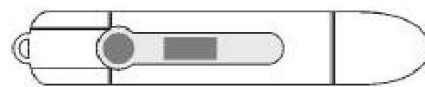
RO membrane

## Filters(optional)

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Mineral  
Mineral cartridge filter



TDS meter



Infra-red  
Infra-red cartridge filter



**UVC-LIGHTING**  
ULTRAVIOLET WATER STERILIZER

UV water sterilizer

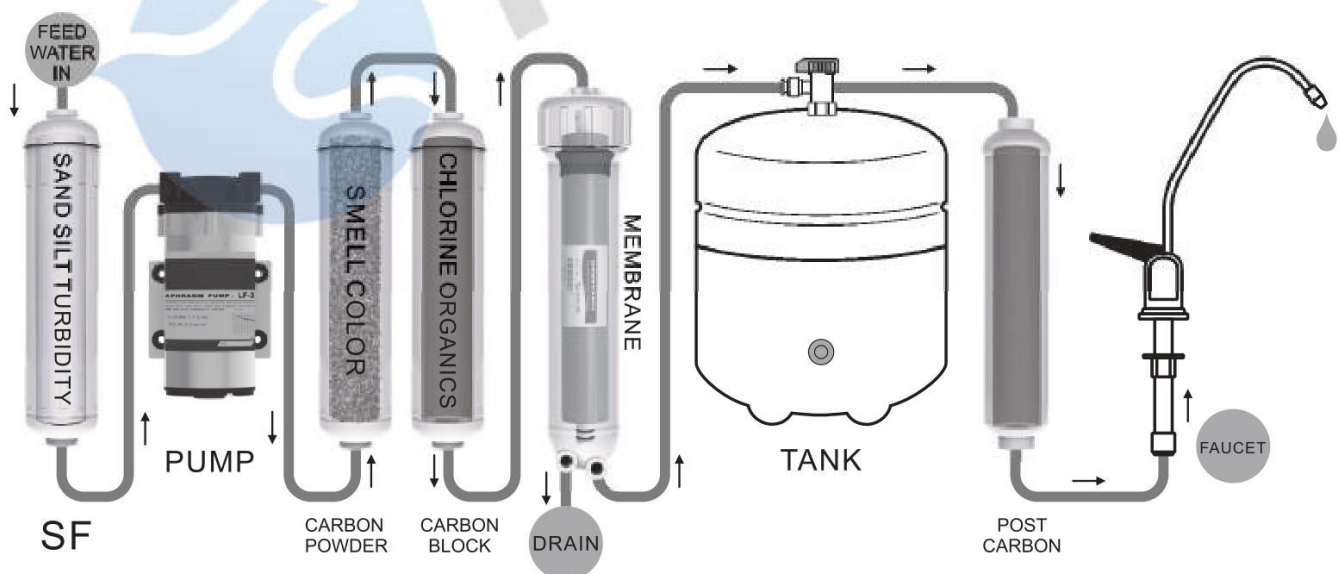
## Start Up Procedure

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1. With everything connected, turn on the Water and check for leaks.
2. Make sure the storage tank ball valve is 'OFF' . Turn on the faucet.
3. Within a few minutes the water will start to run from the faucet slowly.
4. Let the water run for at least 30 minutes. This flushes the carbon filters on the first use.
5. After initial flushing, open the tank ball valve and close the faucet.
6. Tank will now fill (Usually 15~20 Minutes).  
After the tank has filled, turn on the faucet and drain all the water until the storage tank is empty and there is only a small flow from the faucet.






**NOTE: DO NOT USE FIRST TANK OF WATER**

7. Close the faucet. The system is now ready for use.



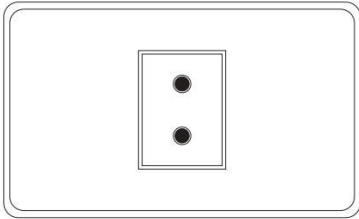
## Filter change

Change filters regularly every 3 to 6 months or longer depends on water quality, and have the membrane checked annually.

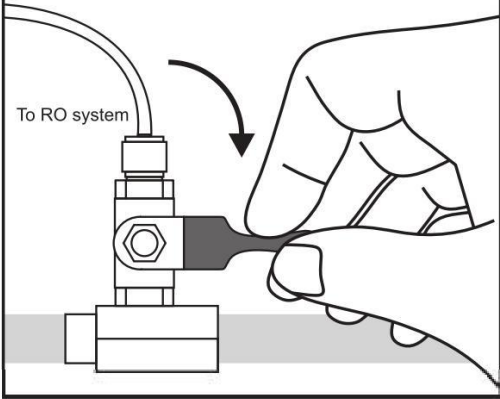
Cartridge Filters	Filter Description	Service Life
<p>5 Micron Sediment Filter</p> 	<p><b>Spun PP</b></p> <p>With only five micron rating. It is Effective in removing dirt, rust and sand particles.</p>	3 Months
<p>GAC Carbon Filter</p> 	<p><b>G.A.C.</b></p> <p>It absorbs nearly 99% of the chlorine and organic chemicals, It provides enhanced reduction of taste, odor, and color.</p>	6 Months
<p>CTO Carbon Filter</p> 	<p><b>CTO</b></p> <p>It absorbs nearly 99% of the chlorine and organic chemicals, It provides enhanced reduction of taste, odor, and color.</p>	6 Months
<p>RO Membrane</p> 	<p><b>RO Membrane</b></p> <p>50/75/100 Gallon Per Day Membrances are now available in residential sizes. Designed to perform in operating conditions similar to most standard under-the counter home RO units.</p>	2 Years
<p>Post carbon Filter</p> 	<p><b>ST-33 Post Filter</b></p> <p>This carbon post filter removes objectionable tastes and odors to enhance the quality of your drinking water.</p>	1 Year

# Installing the membrane

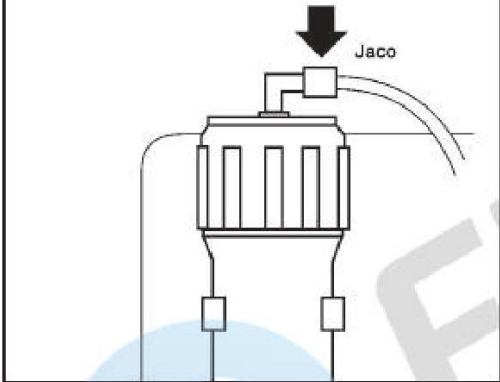
**1** Remove the plug from socket.



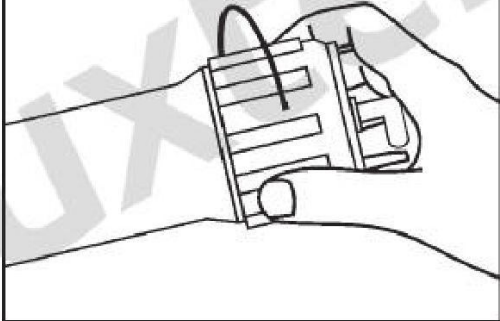
**2** Turn off feed in water.



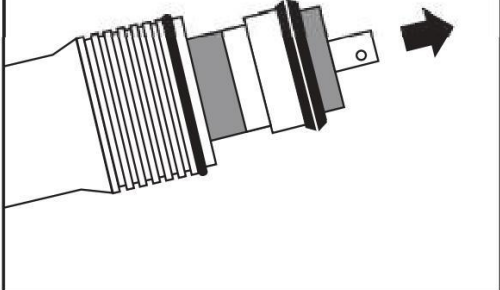
**3** Loose the Jaco fitting anticlockwise.



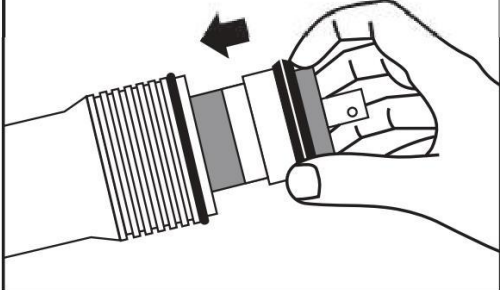
**4** Rotate the membrane housing cap anticlockwise.



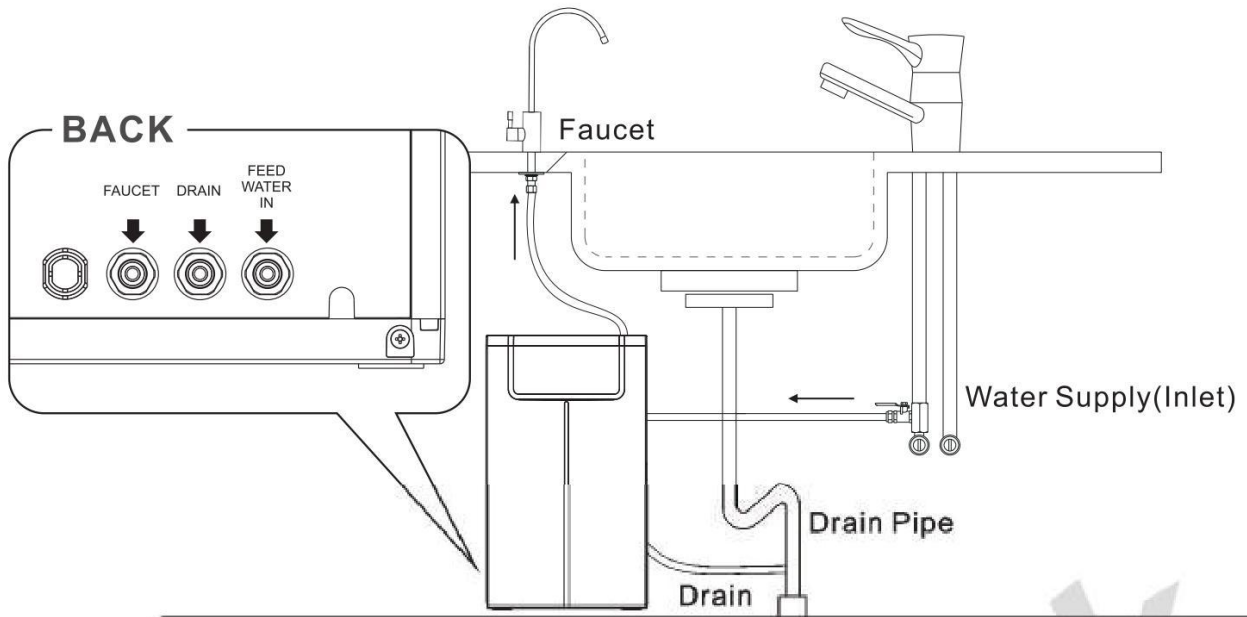
**5** Take out the membrane by a pincer.



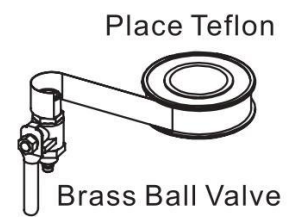
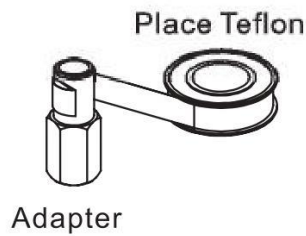
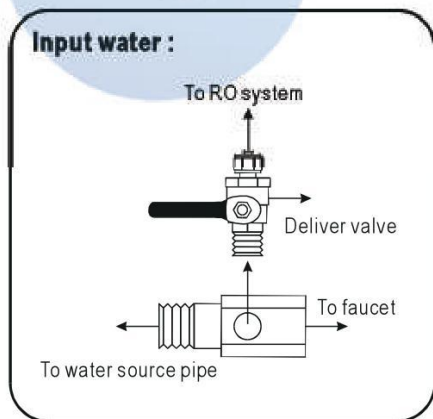
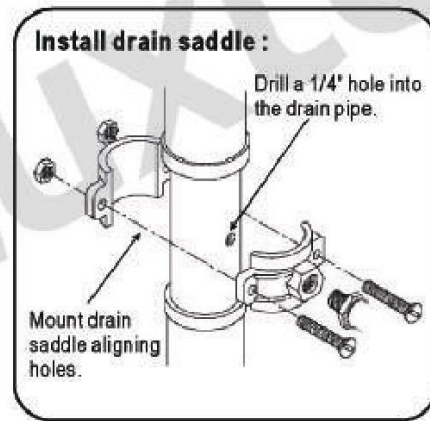
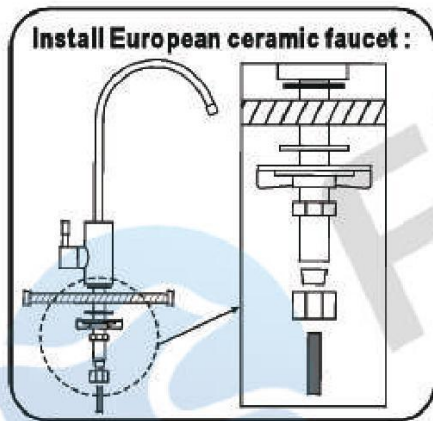
**6** Install the membrane carefully until completely fit in the housing.



# Tubing connection diagram



# Installation diagram



# Purposes of the purifier system

DRINKING

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CLEANING FRUIT

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MAKING COFFEE

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IRONING

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PLANTING

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AQUARIUM

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FEEDING

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COOKING

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