

# Memo

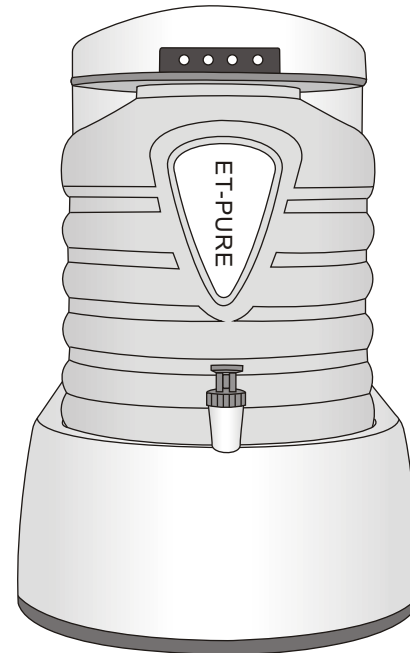
Type of product	ET-PURE		
Date of purchase			
Name		Tel	
Address			



## REVERSE OSMOSIS SYSTEM

# ET-PURE

## USER'S MANUAL



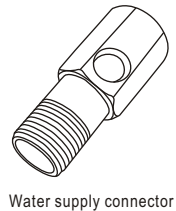
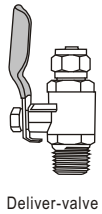
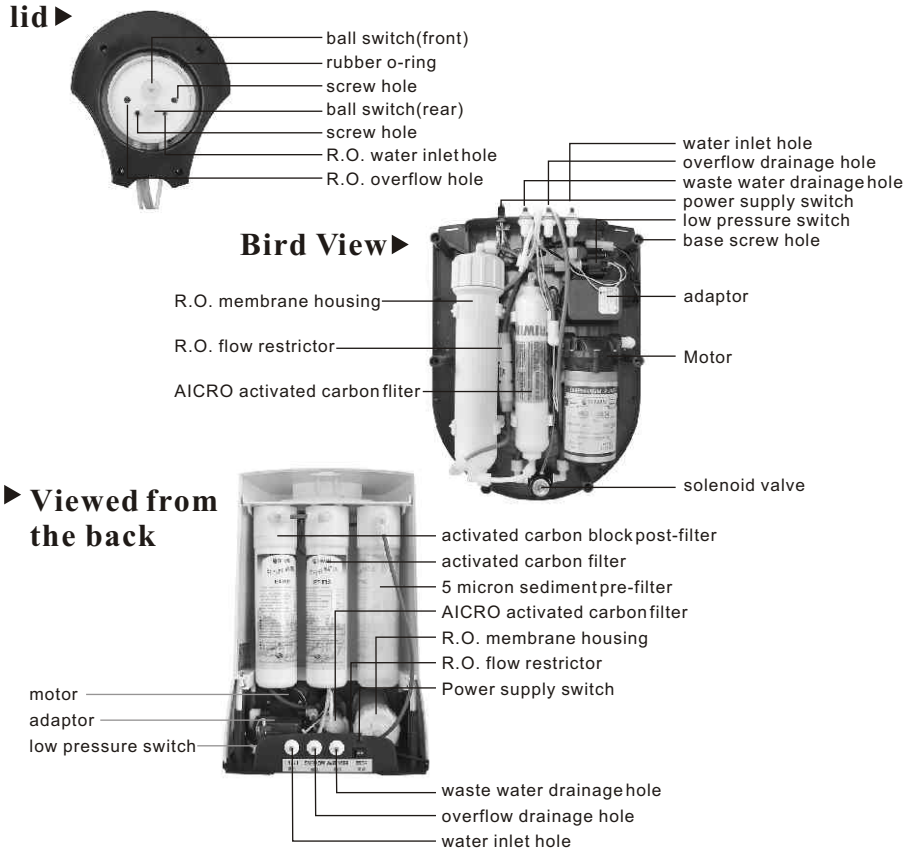
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**Thank you very much for selecting Pure-Pro Water Corp.**  
In order to bring the best use of your system, please read the user's manual carefully before installation and follow the regulations.





# ET-PURE layout and components



Remark : Maximum endurable temp. -52°C  
Maximum operating pressure-70 psi(5kg/cm<sup>2</sup>)

# FAQ

## B. insufficient purified water quantity

**Normal working pressure in pump**

Connect the pressure gauge between pump and R.O. membrane. When the pressure is between 65 psi and 100psi and the purified water quantity is insufficient as expected, then the R.O. membrane is jammed with solid particle. Therefore, the R.O. membrane has to be changed.

**abnormal working pressure in pump**

If the working pressure is below 65 psi when measured, then use the electric meter to measure the output voltage of the transformer is normal or not. In the case that the output voltage is inordinately low, then replace the transformer. If not, check the filter to see if it is jammed with impurity. If this is the case, then replace the filter. If not, then check the R.O. flow restrictor to see if the drainage is excessively high. If so, replace the R.O. flow restrictor. If not, replace the pump

## C. Purified water is not clean

**Normal working pressure in pump**

Check the 3-stage filters before R.O. membrane to determine whether the filters properly function when the R.O. membrane is damaged. If so, replace the filters and R.O. membrane.

**abnormal working pressure in pump**

Check the flow rate of purified water is appropriate. If it is inappropriately high, it may be the case that R.O. membrane is not properly installed inside the R.O. housing. Under such circumstance, re-install the R.O. membrane. If the water flow is within the normal range, then check the working pressure of pump is normal or not. When the working pressure of pump is below its normality to press the water flow (approximately 80~90 psi ), it will affect the R.O. membrane's ability to produce sufficiently good quality water. With this condition, repair or replace the pump.

Check to see if the solenoid valve properly shut down the water flow. If not, replace the solenoid valve.

# FAQ

**Insufficient working pressure in pump**

Connect the pressure gauge between pump and R.O. membrane to see if the working pressure is normal. when the pressure is below 65 psi, then check if the filter is jammed with solid particle. If so, then replace the filter. If not, check the transformer to see if the voltage output is declining . If so, then change a new transformer or pump.



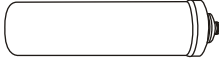
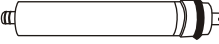

**Normal working pressure in pump**

Connect the pressure gauge between the pump and R.O. membrane. When the pressure is between 65 psi and 100 psi and the water purification process is still not working. Then check the AICRO filter to see if it is jammed with impurity. If so , replace the fifth stage filter. If not, replace R.O. membrane.

**Pump with no working pressure**

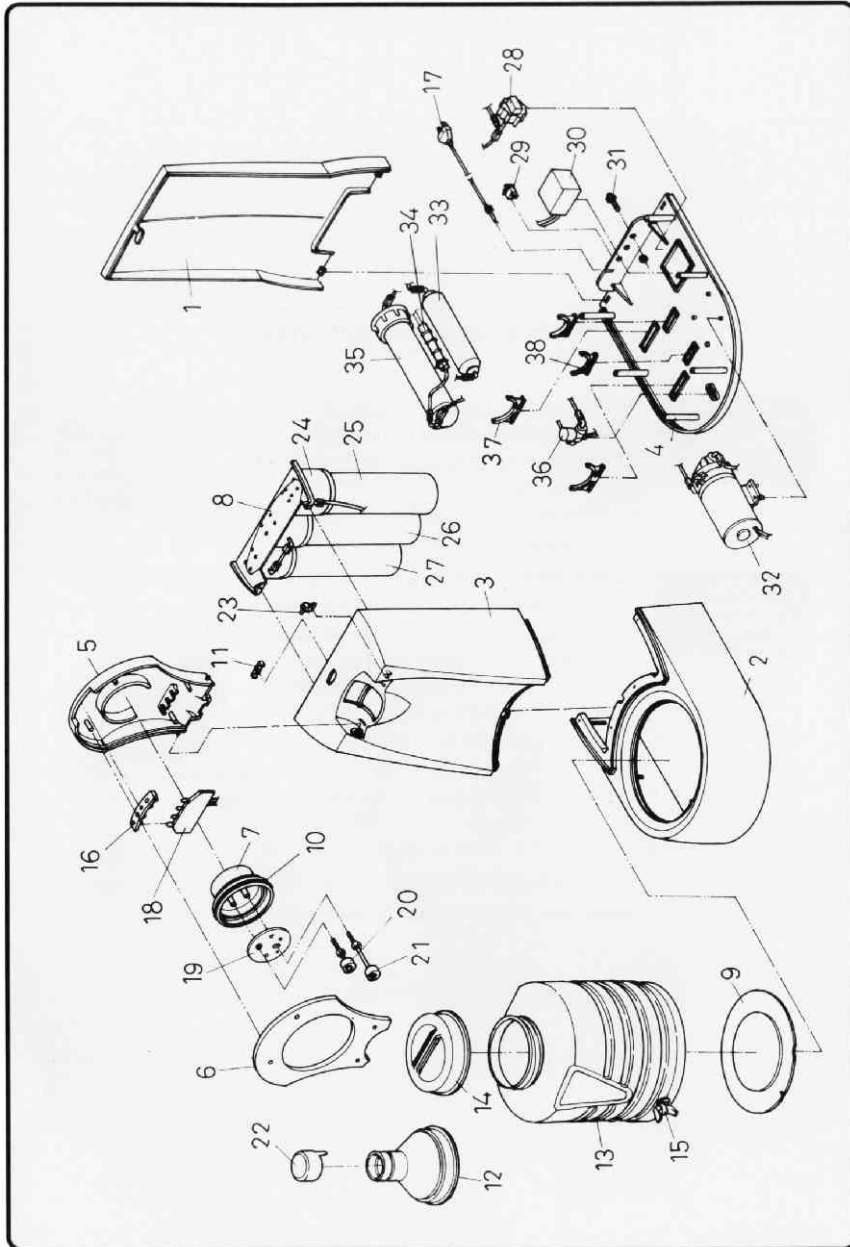
Examine the condition if the flow rate of waste water is inordinate. If so, the pump cannot increase the working pressure. Under such case, replace the R.O. flow restrictor After the change, if the working pressure of pump doesn't reach it's normality to proceed the water purification step, then check to see if the filter is jammed with impudrity. If not , then check again the transformer and pump.

# Inline cartridge filters

Cartridge Filters	Filter Description	Service Life
<p><b>Stage 1</b> <b>5 Micron Sediment Filter</b></p> 	<p>This 5micron sediment filter is made by Dupont Anti-Bacteria. High capacity filter removes dusts, particles and rusts, 99.70% anti-bacterial, comply with FDA test standard. Use 100% pure PP fine fiber. Product series have been passed the test in accordance with the filtering effect test of ANSI-NSF standard 42 - particulate reduction class II-V of U.S.A. <b>Service Life:1500GAL</b></p>	6 Months
<p><b>Stage 2</b> <b>Inline Activated Carbon Filter</b></p> 	<p>This granular activated carbon filter is composed of high-performance activated carbon that removes free chlorine, odor, organic contaminants, pesticides, and chemicals that contributed to taste and odor. <b>Service Life:1500GAL</b></p>	6 Months
<p><b>Stage3</b> <b>Inline Activated Carbon Block Filter</b></p> 	<p>This granular activated carbon filter is composed of high-performance activated carbon that removes free chlorine, odor, organic contaminants, pesticides, and chemicals that contributed to taste and odor. <b>Service Life:1500GAL</b></p>	6 Months
<p><b>Stage 4</b> <b>Filmtec Membrane</b></p> 	<p>Filmtec (Dow Chemical)membranes, maker of the world's most advanced reverse osmosis membranes. High rejection membrane with the capacity of producing 80 gallons per day. Eliminates up to 99.9% of most chemicals, dissolved solids, metals, bacteria, and viruses. <b>Service Life:10000GAL</b></p>	2 Years
<p><b>Stage 5</b> <b>AICRO Activated Carbon Filter</b></p> 	<p>This post carbon filter is designed to improve taste. It removes any residual impurities and odors and provides a finer conditioning of pure water. <b>Service Life:3000GAL</b></p>	1 Year

# The parts of ET-PURE

# FAQ



ET-PURE RO Drinking Water System

## Water purification process does not function

### A. **pump does not function properly.**

**malfunction in low pressure switch??**

Generally the low water flow pressure will activate in the condition that the water pressure is under 0.3kg/cm<sup>2</sup>. In the event when the water inlet pressure is excessively low, then try to improve it. However, when the pressure is normal, then unplug two electricity cords to make it short-circuited, and check if it can run again normally.

**malfunction in ball switch??**

When the water in the reservoir is drained to the level which is lower than the front ball switch and water purifier still doesn't start running, then unplug the two electricity wires in the front ball switch to make them short-circuited. Under such circumstance, if pump starts running and water purification process begins, then replace the front ball switch.

**malfunction in transformer??**

Refer to the voltage in the transformer, then use the electric meter to measure if the current output is normal. If abnormal, then replace the transformer. On the contrary if it is normal. Then check the pump to see if it runs properly.

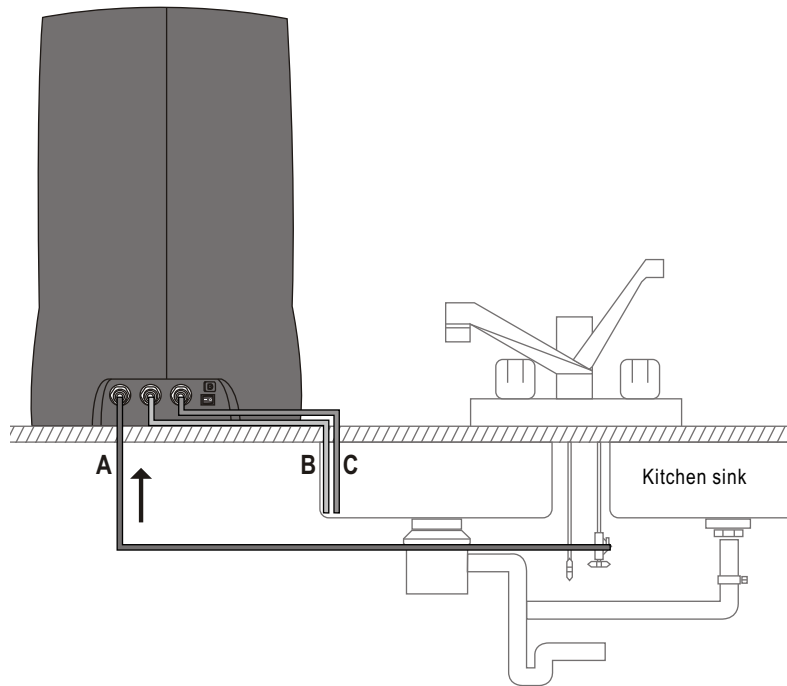
ET-PURE RO Drinking Water System



## Tubing connection diagram

### CONNECTING THE COLOR TUBING:

- A. Water inlethole / blue R.O. tube
- B. Overflow drainage hole / yellow R.O. tube
- C. Waste water drainage hole / orange R.O. tube

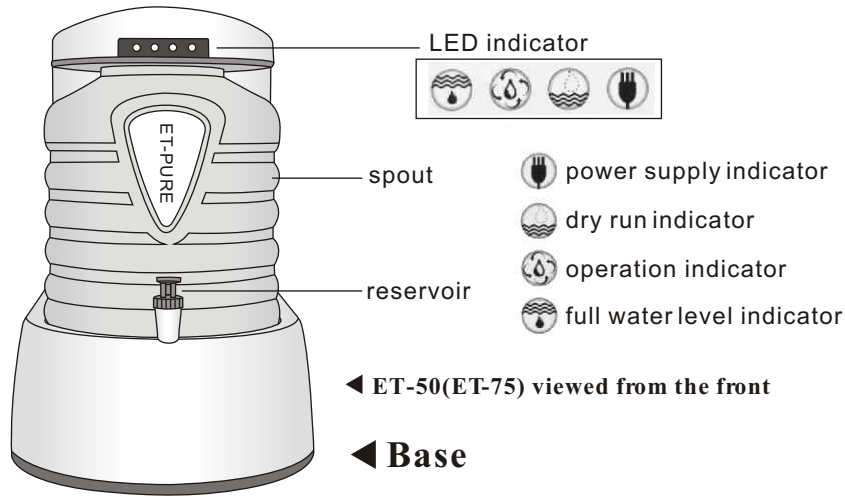


※ Simply leave the drain out tube and over flow tube in the sink!

## The parts of ET-PURE

Part No.	Part No.
1.back cover	20.ball switch
2.housing	21.ball switch
3.housing	22.funnel cap
4.base	23.precision switch
5.upper cap	24.filter retainer
6.lower cap	25.filter cartridge
7.water flow distributor	26.filter cartridge
8.fixing place	27.filter cartridge
9.tank holder	28.low water pressure switch
10.O'ring	29.power switch
11.tube bracket	30.adaptor
12.funnel	31.rapid facet adaptor
13.tank	32.pump
14.tank cap	33.activated carbon filter
15.spout	34.RO flow restrictor
16.cover	35.RO filter housing
17.power supply cord	36.magnetic control valve
18.circuit board	37.filter holder
19.O'ring bracket	38.RO filter holder

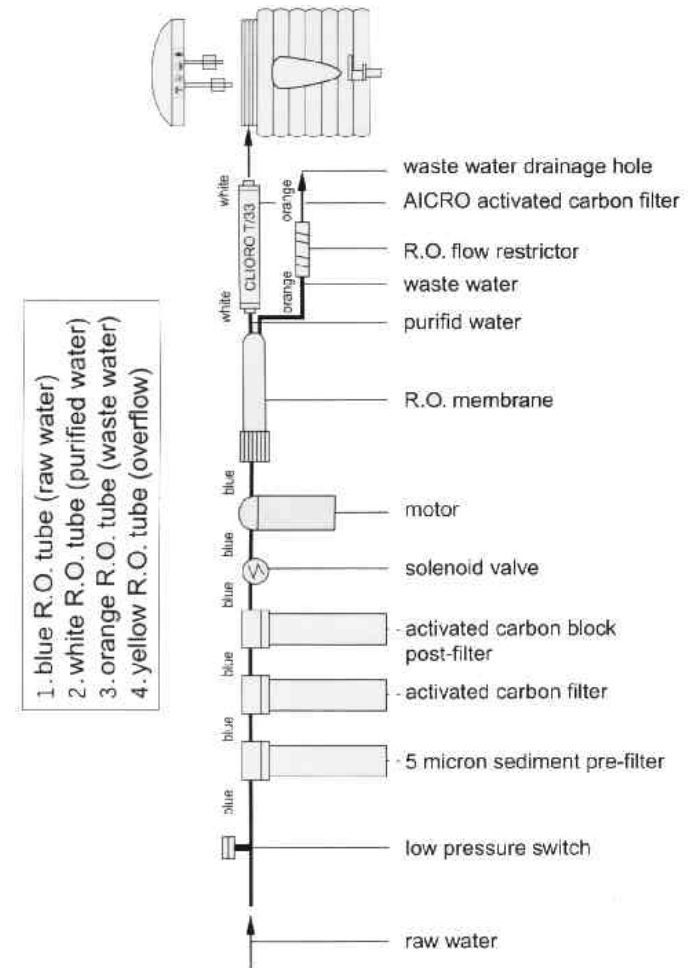
## LED indicator



1. when the power is on. Red colored LED indicator will light. It indicates power supply is normal.
2. Turn on the water supply switch valve to make sure the water supply is normal. If the water supply keep flowing, the green colored LED indicator will keep or lighting. The green colored LED indicator in the left will light as the purified water reservoir is full.
3. place the reservoir in place and press the lid down. The purifier is in the process of the water purification. After 12~15 seconds. the water purification process begins. The green colored LED indicator in the left will be off and the orange LED indicator will light.
4. when the purified water is full to the top of the reservoir, the front ball switch under the lid will float to the surface of purified water. Then the process of water purification stops. The orange colored LED indicator at this moment is off and simultaneously the green colored LED in the second from right will be on.
5. Turn the lid up. The process of water purification will be terminated. The green colored LED indicator, lights, indicating the reservoir is full.
6. when the reservoir is full, the power supply will be off automatically. However, in the event that power supply is still on or that the solenoid valve does not shut off the water inflow, the water purification process will continue and exceed the normal water level. As a result, the water purification process will be terminated automatically and the warning sound will alarm. At this moment, turn the switch valve to stop the water inflow and switch off the power supply. Under such circumstance. The repair is necessary.

ET-PURE RO Drinking Water System

## Tubing connection diagram



ET-PURE RO Drinking Water System