

EN

# Instruction manual

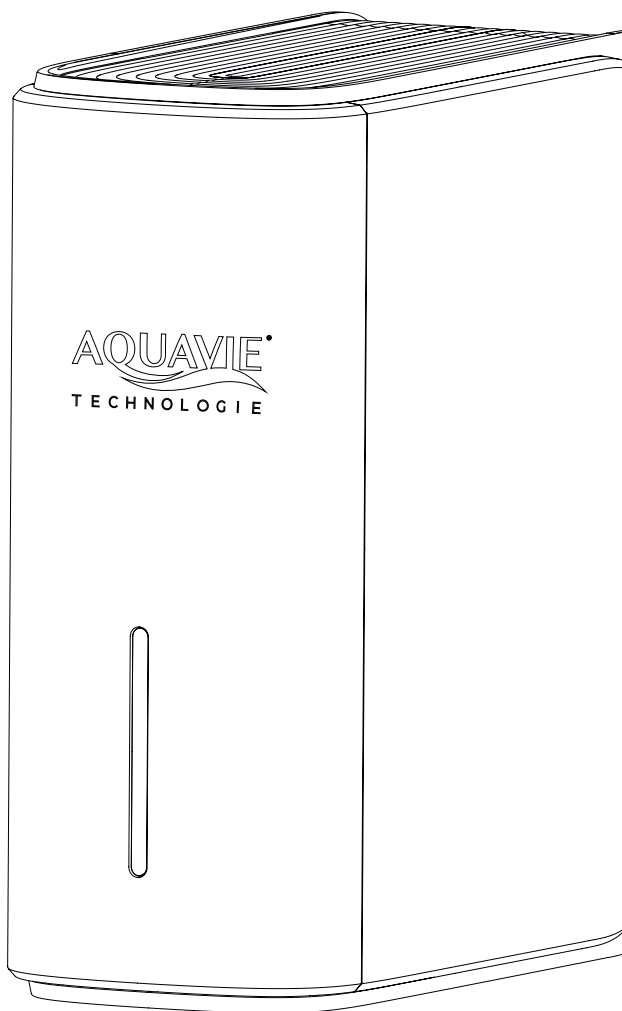
## OsmoDRINK

Compactness & modernity for pure water at the tap

**Under sink Reverse  
Osmosis System**

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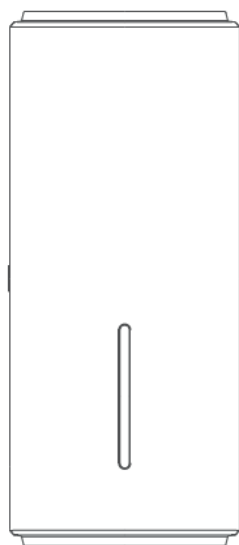
Please read this instruction manual carefully before using the product and keep it properly.

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# 1 – Product and accessoires

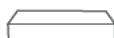


**Main Body**



## Six Filter Cartridges

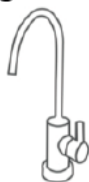
Includes spun PP filter(PP), block carbon filter(CTO), coconut carbon filter(CTOS), 2pcs x reverse osmosis membrane(RO), and post activated carbon filter(T-33).



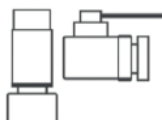
## One Accessory Box

Includes faucet, 3-way ball valve or faucet connector, three pipes, instruction book, adapter and drain clamp (optional).

### Images of accessories for reference:



Goose faucet



3-way ball valve

or



Faucet connector



3 pipes  
(red, blue and white)



Instruction book



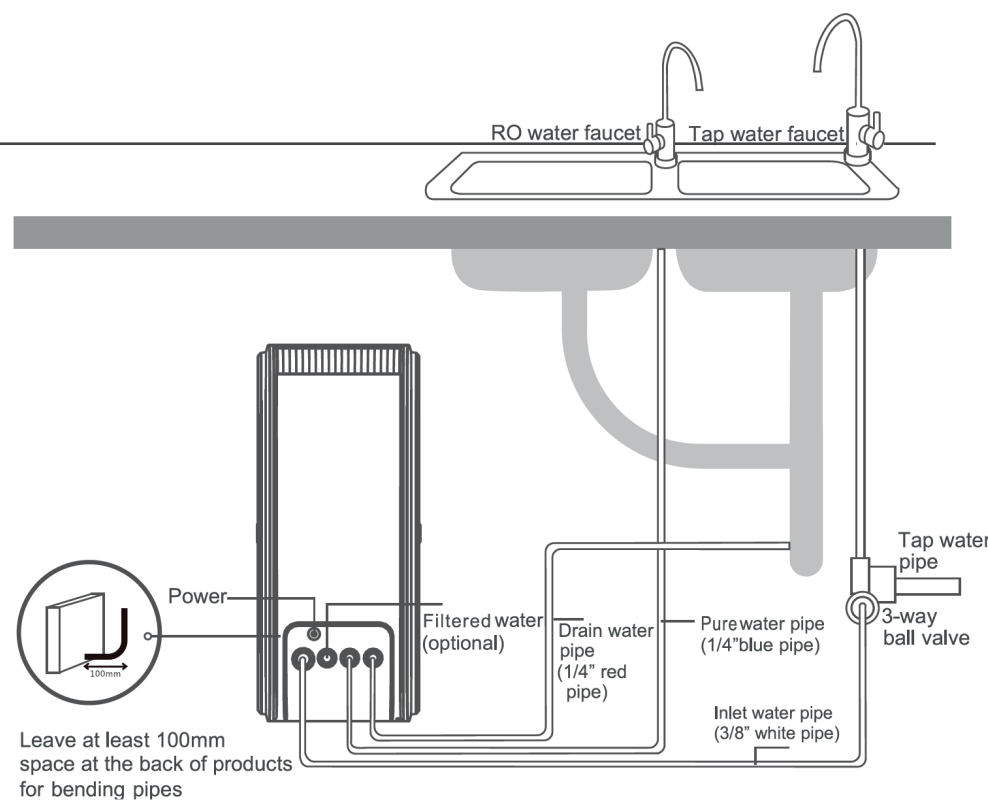
Adapter



Drain clamp  
( optional )

Note: Pictures are for reference only, subject to our available products.

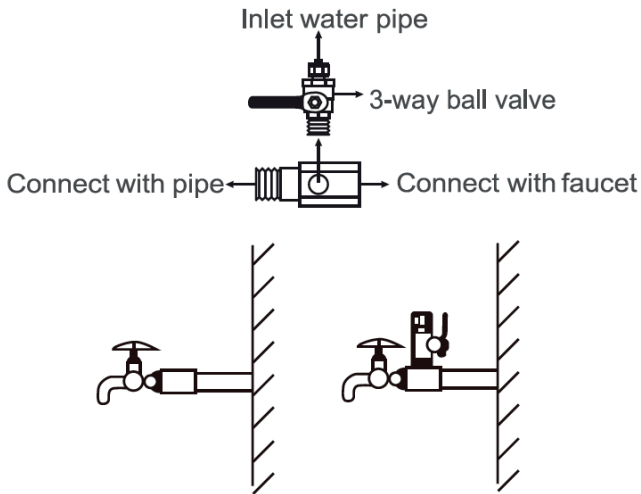
# 2 – Functional Schematic Diagram



## 3 – Installation Instruction

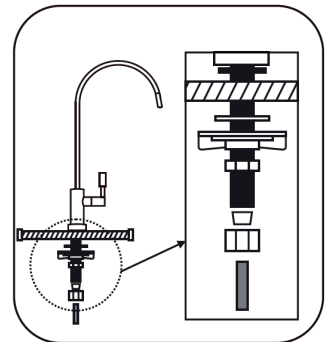
### Installation Ball Valve and Tee Fittings

- Install Tee Fitting and 3-way ball Valve (or faucet connector) as per diagram.
- Wrap threads of 3-way ball Valve and Tee Fitting with Teflon tape.
- Connect inlet water pipe (3/8» white) from unit to Feed Water Valve.
- Install 3-way ball valve to Tee fitting, and then connect to source water.



### Installation for Goose Faucet

- Select a convenient location near your sink to place the faucet.
- Drill a hole 12mm in diameter in counter top.
- Place washers, plates, seals and nuts in order as per diagram and tighten on to counter.
- Attach RO Water pipe (1/4» blue) to the bottom of faucet and connect tubing to unit.



**CAUTION:** Check that tubing is connected correctly.

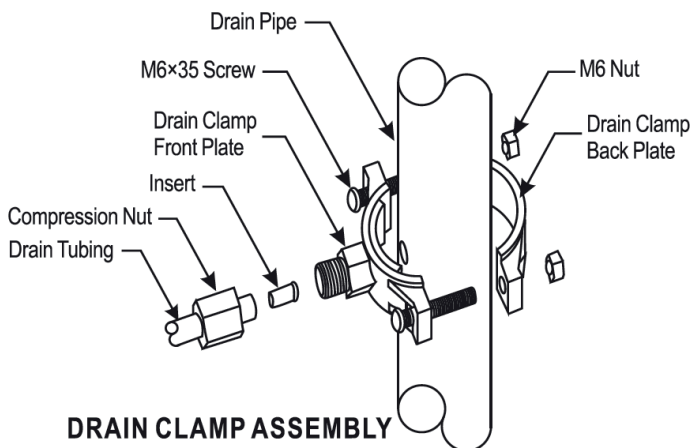
## Installation for Drain Clamp (optional)

- Place drain clamp on drain pipe above the drain trap and tighten securely.
- Using the drain clamp as a guide, drill a 6mm hole enough for the 1/4» tubing to pass through one side of the drain pipe. DO NOT drill through both sides.
- Connect Drain tubing (1/4» red) from unit to Drain Clamp.

### CAUTION:

When cutting the tubing, make it clean, square. Cuts failing to do so result in poor connection and possible leaks.

The lowest point of the line should be the point of connection to the Drain Clamp. There should be no sag in the line as this may cause excessive noise as the reject water is flowing to drain.



### First Use Instruction

1. Connect RO system with adapter, then the power indicator light is on, buzzer rings three times, machine flushes for 9D seconds and indicator light is flashing in blue slowly.
2. RO system begins making water and indicator light is flashing in blue slowly, system is in standby mode and indicator light keeps in blue when water is full.
3. Machine stops making water and indicator light keeps in red, buzzer rings 3D times after being working continuously for 6 hours or water leakage is detected.

**Note:** Under normal operation, please draw off water for 10-15 minutes for cartridges flush when it's first use.

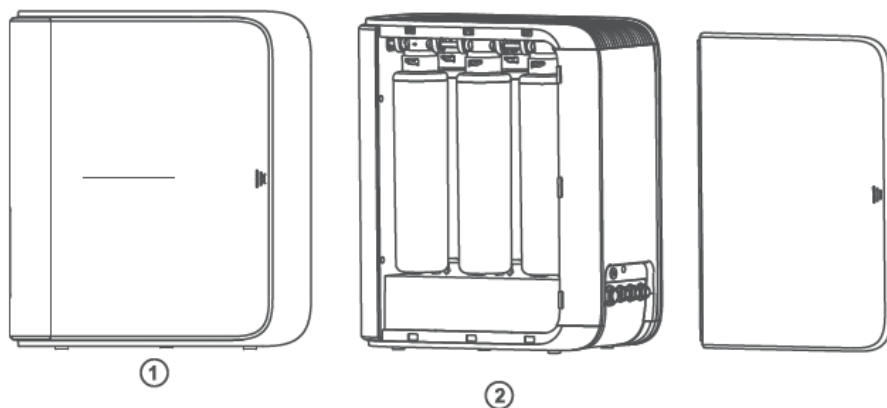
# 4 – Installation and cartridge order



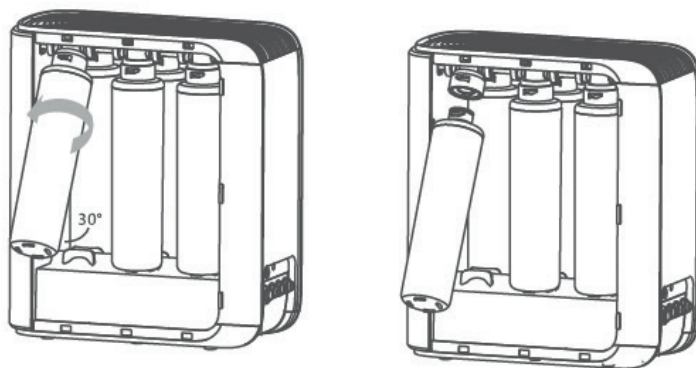
## 5 – Cartridges Replacement and Reminder

### Cartridges Replacement

Please cut off the water, turn off the power, open RO water faucet and discharge water in pipeline before replacing cartridges.

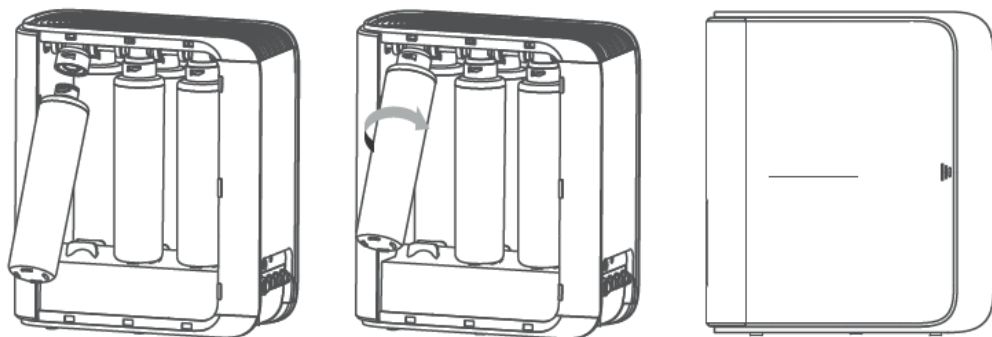


2. Lift up cartridge 30°, rotate anticlockwise then remove it.





3. Install new cartridge by rotating clockwise according to specifications, then fix the side board.



Note: Please reset cartridges after replacement.

### Recommended Replacement Period for Cartridges

| STAGES           | FILTER CARTRIDGE        | FUNCTION  | LIFESPAN (FOR REFERENCE ONLY) |
|------------------|-------------------------|---|-------------------------------|
| The first stage  | Spun PP filter          | Removes large suspended particles in water  | 6~12 months                   |
| The second stage | Granular carbon filter  | Further removes organics, chlorine, odor, color and turbidity   | 6~12 months                   |
| The third stage  | Block carbon filter     | Removes the chlorine effectively, adsorbs the color and odor, and further filters the tiny impurities in water to extend the service life of RO membrane. | 6~12 months                   |
| The fourth stage | RO membrane             | Removes bacteria, heavy metals, dissolved matters and salinity  | 12~18 months                  |
| The fifth stage  | Post Carbon coco filter | Adjusts the taste of purified water   | 6~12 months                   |

## 6 – Trouble Shooting

| Trouble   | Cause                                     | Solution                               |
|---|---|--|
| Water pump is out of service and system does not work                 | Insufficient feed water pressure          | Increase feed water pressure           |
|   | No power or power failure                 | Power-on                               |
|   | High pressure switch is out of order      | Replace high pressure switch           |
|   | Pump is blocked and adapter fuse burn-out | Replace adapter and repair water pump  |
| Water pump works but system does not work                             | RO membrane is blocked                    | Replace RO membrane                    |
|   | Water pump pressure loss                  | Repair water pump                      |
|   | Flush solenoid valve is damaged           | Replace flush solenoid valve           |
| Constantly running water in downtime                                  | Inlet water solenoid valve damaged        | Replace inlet water solenoid valve     |
| Cannot stop working when pressure tank is full or repetitive starting | High pressure switch is damaged           | Repair or replace high pressure switch |
|   | Check valve is damaged                    | Replace Check valve                    |

## 7 – Precautions for Use

### Attention

1. Wash and replace cartridges regularly.
2. Do not disassemble parts randomly, it may cause leakage or damage.
3. Do not use power supply with disproportional rated voltage.
4. Please pull the power plug and cut off the feed water valve if long term storage.
5. Do not store or explore in an environment of 0°C or below.
6. Handle with care when discharging, moving and installing.

### Remind

1. Please turn off the feed water ball valve and cut off the source water to avoid the «water hammer phenomenon» which may lead to leakage or damage to housings and filters if go out in daytime or after the last use at night. Our company would not take the responsibility of the consequence caused by this situation.
2. Please cut off power and source water at once in case troubles occur and ask professional staff to repair.
3. Professional staff are advised to replace cartridges.
4. In state of insufficient water input, indicator light turns yellow and buzzer keeps ringing for 5 seconds.
5. Cartridge replacement: after been working for 50 hours cumulatively, indicator light turns green and buzzer keeps ringing for 10 seconds. At the same time the system stops working and reminds the user to replace the 3 pre-filters. Disconnect the device from electricity and water inlet. Change the cartridges. Filter life calculation will start over after power on again.

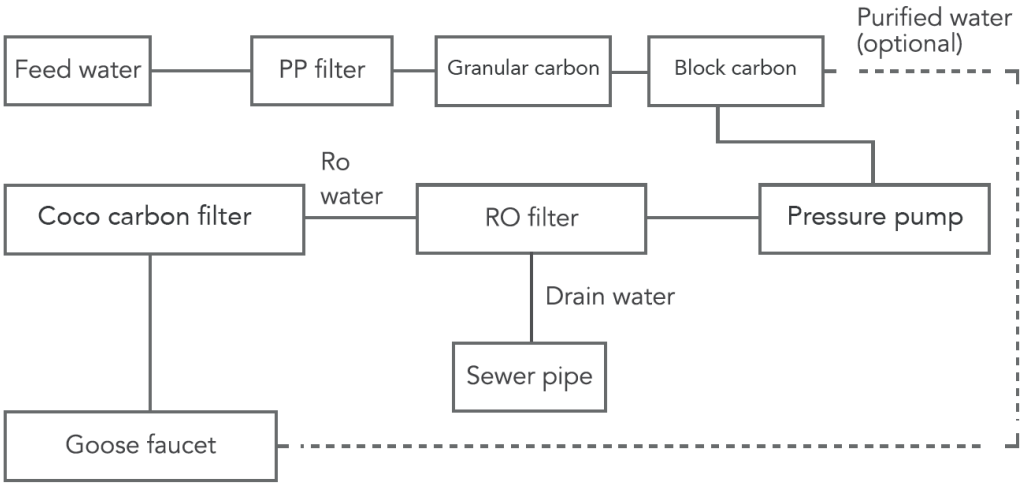
**Note:** in the first time running, make sure the system is installed and operated correctly without any problem before opening the faucet. Keep flushing the filters for 10 to 15 minutes before collecting the first glass of water for drinking.

**PS:** please let the system working normally for over 90 minutes before any test.

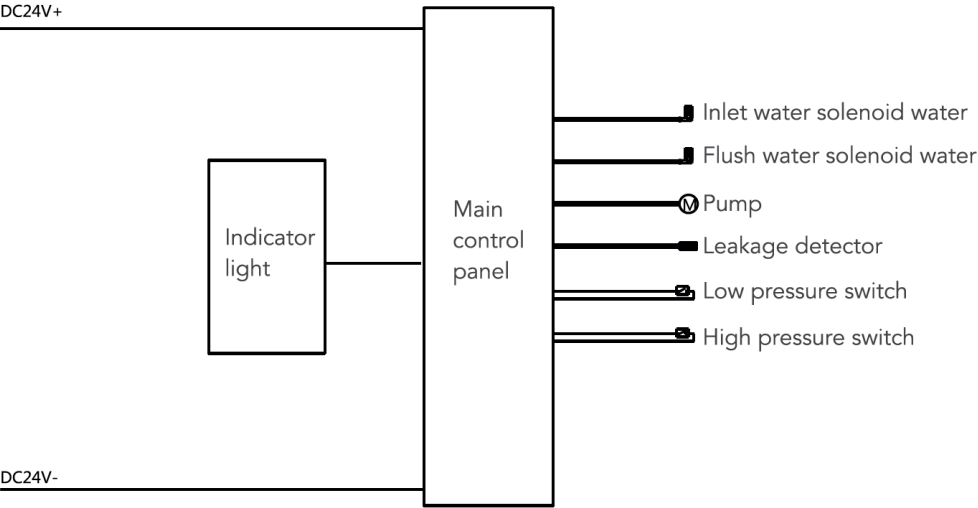
# 8 – Technical Specifications

- Feed water quality:** Municipal tap water
- Voltage and frequency:** 100-240V, 50/60Hz
- Power input:**96W
- Purified water flow:** 1.2L/Min
- Feed water temperature:** 5-45 °c
- Feed-water TDS:** ≤ 500ppm
- Feed-water Chlorine level:** ≤ 0.2ppm
- Rejection:** 90-99%
- Feed-water pressure:** 0.1-0.4 Mpa
- Electric shock resistance:** type II

# 9 – Water Treatment Process



# 10 – Flow Diagram



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