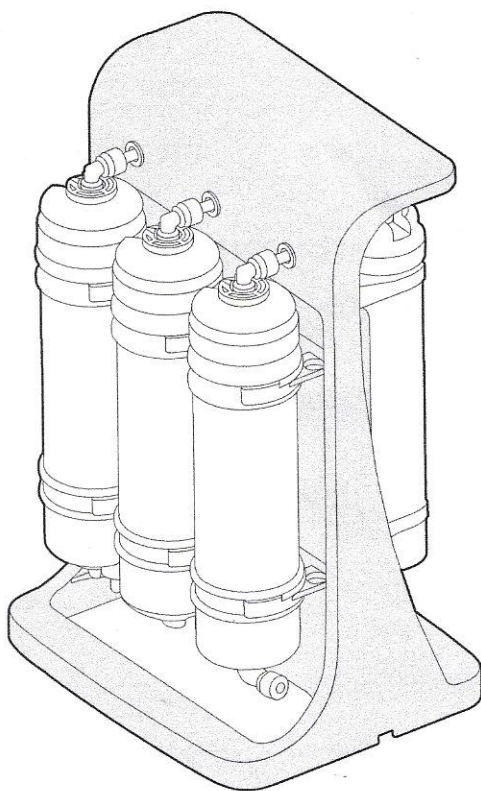


# Reverse Osmosis Water Filtration System

## USER MANUAL

MODEL: MRO2041-4



Warning notices: Before using this product, please read this manual carefully and keep it for future reference. The design and specifications are subject to change without prior notice for product improvement. Consult with your dealer or manufacturer for details. The diagram above is just for reference. Please take the appearance of the actual product as the standard.

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# SAFETY INSTRUCTIONS

## Intended Use

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance. Please check the packaging and appliance on arrival to make sure everything is intact to ensure safe operation. If you find any damage, please contact the retailer or dealer. Please note modifications or alterations to the appliance are not allowed for your safety concern. Unintended use may cause hazards and loss of warranty claims.

## Explanation of Symbols



### **Danger**

This symbol indicates that there are dangers to the life and health of persons due to extremely flammable gas.



### **Warning of electrical voltage**

This symbol indicates that there is a danger to life and health of persons due to voltage.



### **Warning**

The signal word indicates a hazard with a medium level of risk which, if not avoided, may result in death or serious injury.



### **Caution**

The signal word indicates a hazard with a low degree of risk which, if not avoided, may result in minor or moderate injury.



### **Attention**

The signal word indicates important information (e.g. damage to property), but not danger.



### **Observe instructions**

This symbol indicates that a service technician should only operate and maintain this appliance in accordance with the operating instructions.

Read these operating instructions carefully and attentively before using/commissioning the unit and keep them in the immediate vicinity of the installation site or unit for later use!

## **DANGER: Risk of Fire/Flammable materials**

- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- The appliance must be disconnected from the main safter use and before user-performable maintenance is carried out.
- The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance. Please check the packaging and appliance on arrival to make sure everything is intact to ensure safe operation. If you find any damage, please contact the retailer or dealer. Please note modifications or alterations to the appliance are not allowed for your safety concern. Unintended use may cause hazards and loss of warranty claims.

## **CAUTION: Risk of Injury!**

**Failure to comply with the safety information and instructions may result in injury.  
Safety of children and persons with reduced abilities.**

- This appliance can be used by children aged from 8 years and above if they have been given supervision or instruction concerning use of the appliance in a safe way and if they understand the hazards involved. Cleaning and user maintenance shall not be made by children unless they are older than 8 and supervised. Keep the appliance and its cord out of reach of children aged less than 8 years.
- Appliances can be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.

## **WARNING**

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.
- The appliance is suitable for indoor use only.
- WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- WARNING: When positioning the appliance, ensure the supply cord is not trapped or damaged.
- WARNING: Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- WARNING: To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.
- The appliance must not be cleaned by a water jet.
- The appliance must not be immersed.
- This product is not recommended to use in areas above 1,500m altitude.
- The new hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused.

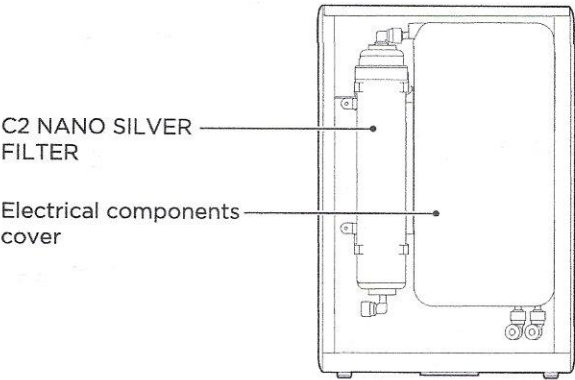
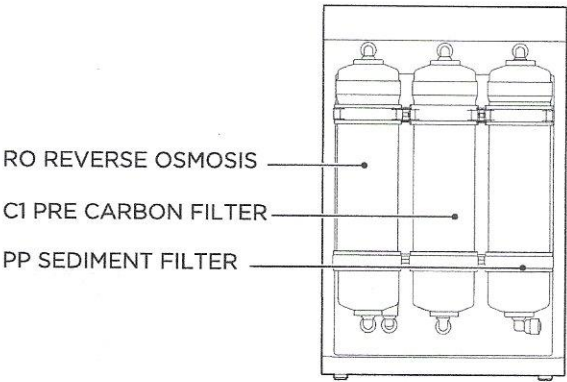


# SPECIFICATIONS

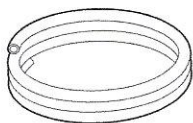
Product Model	MRO2041-4
Rated Voltage	110-240V-
Rated Frequency	50/60Hz
Rated power	30W
Rated flow of purified water	7.8L/h
Applicable water	Tap water
Applicable temperature	4-38°C
Stage 1	PP SEDIMENT FILTER
Stage 2	C1 PRE CARBON FILTER
Stage 2	RO REVERSE OSMOSIS
Stage 3	C2 NANO SILVER FILTER
Product dimensions(LxWxH)	262*210*382mm
Gross weight	8.4 kg
Net weight	5.6 kg

# PRODUCT OVERVIEW

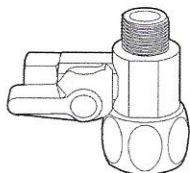
## Product



## Accessories



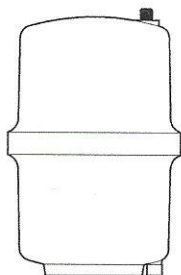
PE-tube



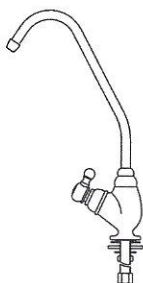
3-way valve



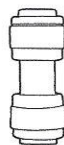
Pressure tank ball valve



Pressure Tank



Faucet



Union connector

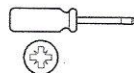
## Required tools(not included)



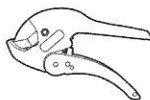
Power drill with 1/4" drill bit



Bucket



Cross-head screwdriver



Pipe cutter



Adjustable wrench

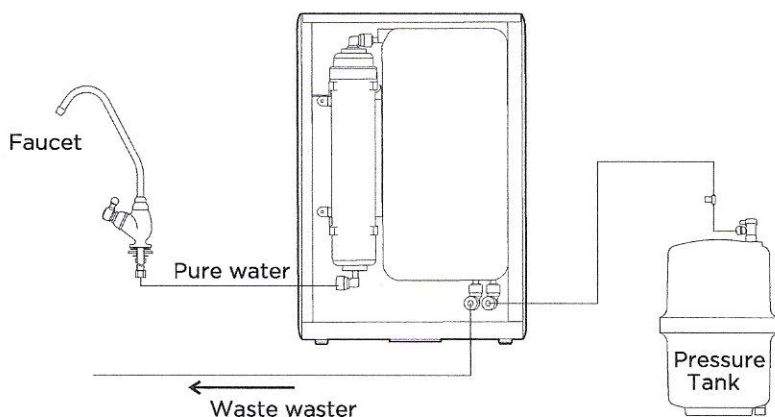
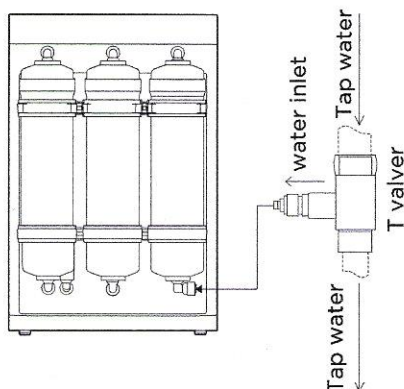


Safety glasses

# PRODUCT INSTALLATION

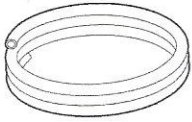
## Use Guide

1. Firstly make sure the machine is well installed by the qualified personnel.
2. This product is only recommended for indoor use, especially when the outdoor temperature is lower than zero degrees Celsius, the product is likely to crack and leak.
3. Make sure water source is open and power supply is connected.
4. Installation of water Purifier:

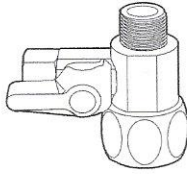




## Accessories



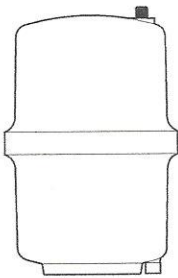
PE-tube



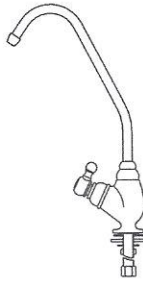
3-way valve



Pressure tank ball valve



Pressure Tank

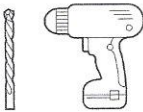


Faucet



Union connector

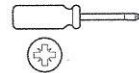
## Required tools(not included)



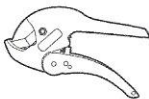
Power drill with 1/4" drill bit



Bucket



Cross-head screwdriver



Pipe cutter



Adjustable wrench

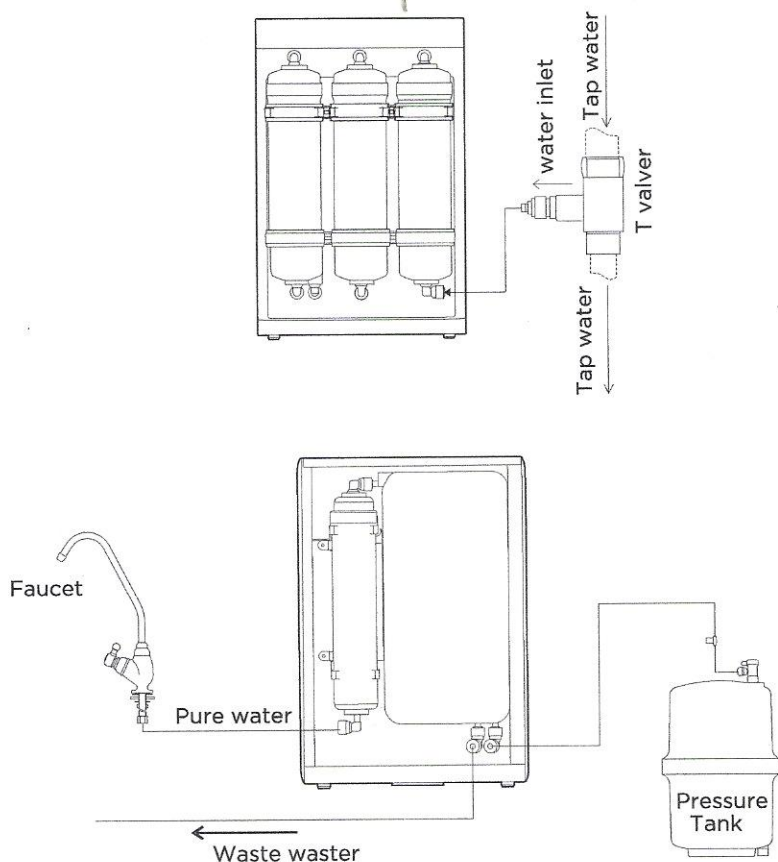


Safety glasses

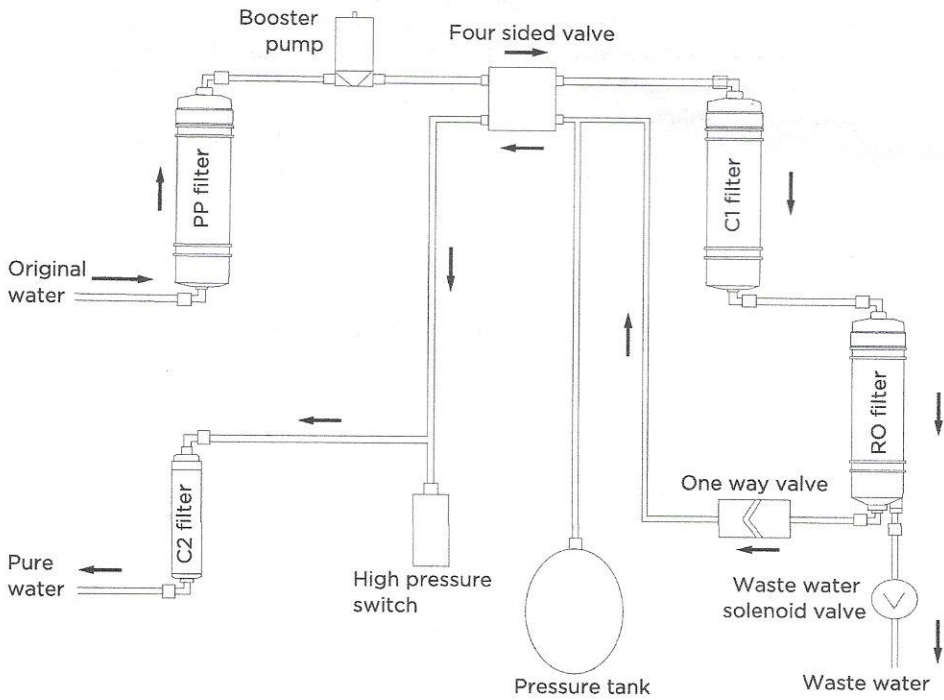
# PRODUCT INSTALLATION

## Use Guide

1. Firstly make sure the machine is well installed by the qualified personnel.
2. This product is only recommended for indoor use, especially when the outdoor temperature is lower than zero degrees Celsius, the product is likely to crack and leak.
3. Make sure water source is open and power supply is connected.
4. Installation of water Purifier:



# Flowchart of Water Generation



# OPERATION INSTRUCTIONS

## Product features

### 1. Four-stage high-precision filtration

Four stage RO filtration, Filter accuracy of the machine is greater than 90%.

### 2. The purifier can be used normally with and without power


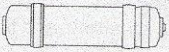

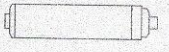
Adopt innovative water control scheme to ensure that the purifier can work to filter water under the condition of power on and power off.

## ⚠ WARNING

1. If the machine is used for the first time or the filter element is replaced, please adjust the waste water valve to the flushing gear, flush for one minute, and then adjust the waste water valve to the correct gear.

2. Regular use of the flushing function can prolong the service life of the filter element and make the machine work more reliably We recommend to use the flushing function to wash the RO filter element twice or three times a week, and the flushing time is about two minutes each time.

## Introduction to filter functions

Stage	Name	Illustration	
Stage 1	PP SEDIMENT FILTER		Carry out coarse filtration of the original water, and filter out mud, sand, impurity, iron rust and suspension, etc.
Stage 2	C1 PRE CARBON FILTER		Absorb unusual colors and odors. Remove residual chlorine and organic substances in water.
Stage 3	RO REVERSE OSMOSIS		Filtration accuracy is nearest to 0.001-0.0001μm, only allowing the passage of water molecules, and almost completely retaining harmful substances in water such as pesticide, bacteria, virus, and heavy metal ions.
Stage 4	C2 NANO SILVER FILTER		Further absorb micro-molecules organic substances in water. Make water taste better.

# CLEANING AND MAINTENANCE

## Filter replacement Cycle

PP SEDIMENT FILTER	C1 PRE CARBON FILTER	RO REVERSE OSMOSIS	C2 NANO SILVER FILTER
3-6 months	6-12 months	12-24 months	6-12 months

### Attention

The data above are for references only. It is based on 10L per daily drinking water. The specific cycle for replacement of filters varies with local water quality and water amount consumed.

## Maintenance

1. Replace the filters in time to keep pure water quality.
2. Move the product carefully and slightly, never place the product in a direct sunshine.
3. Never put the product in a place where water may freeze to prevent the filters from damage due to freezing.
4. Never remove the parts on the machine to avoid leakage or damage.
5. By using a cloth dipped in water, clean the water purifier with soft detergent rather than strong volatile solvent such as gasoline.
6. In case of long-term no use, pull out the power plug, close the feed ball valve and cut off the water source. Open the faucet to drain out the water in pressure tank when reuse.
7. In case of failure, disconnect the water source and power supply promptly, and inform the local service agency immediately to eliminate the failure.
8. In the cases where the water purifier is used for the first time or reused after long time idle, drain out the first two tanks of water through the gooseneck faucet at first.
9. Drain out 500mL water everyday at the first time to clear the water in pipe.
10. Please replace the filters in time as requested. It can ensure better filtration effect.



# TROUBLESHOOTING

Operation of your appliance can lead to errors and malfunctions. The following tables contain possible causes and notes for resolving an error message or malfunction. It is recommended to read the tables carefully below in order to save your time and money that may cost for calling to the service center.

Problem	Possible reason	Solution
Machine fails to run	• Feed ball valve closed	Open the feed ball valve
	• Power supply not put through	Switch on power supply
	• Booster pump not running	Contact the local service agency
	• Power cut	Wait for the power resumed
Noise occurring in operation	• Booster failing or fastening screws loosening	Contact the local service agency
	• Insufficient water in booster	Increase the water pressure of original water
Too much drop in amount of water generated or no water out	• RO membrane jammed	Contact the local service agency
	• Filter not replaced in time, beyond the use time	Contact the local service agency to replace the filter
No water out from gooseneck faucet	• Post active carbon filter jammed	Contact the local service agency to replace the the filter
	• Pre-treatment filters jammed	
	• RO membrane jammed	
Poor quality of water out	• Post active carbon filter not repaced in time, beyond the use time	Inform the local service agency to replace the the filter timely
	• RO membrane damaged	
	• Fine carbon powder contained in water	Wash post active carbon powder away or replace post active carbon filter
Booster pump not stopping	• High-pressure switch damaged	Please contact the local sevice agency
	• Waste water ratio solenoid valve damaged	

# DISPOSAL AND RECYCLING

## Important instructions for environment

Compliance with the WEEE Directive and Disposing of the Waster Product:  
This product complies with EU WEEE Directive (2012/19/EU). This product bears a classification symbol for waster electrical and electronic equipment (WEEE).

This symbol indicates that this product shall not be disposed with other household wastes at the end of its service life. Used device must be returned to official collection point for recycling of electrical electronic devices. To find these collection systems please contact to your local authorities or retailer where the product was purchased. Each household performs important role in recovering and recycling of old appliance. Appropriate disposal of used appliance helps prevent potential negative consequences for the environment and human health.



## Compliance with RoHS Directive

The product you have purchased complies with EU RoHS Directive (2011/65/EU). It does not contain harmful and prohibited materials specified in the Directive.

## Package information

Packaging materials of the product are manufactured from recyclable materials in accordance with our National Environment Regulations. Do not dispose of the packaging materials together with the domestic or other wastes. Take them to the packaging material collection points designated by the local authorities.

