



# Water Purifier

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**Model: MRO2041-4**



Before installing and operating your water purifier, please read the instruction manual carefully and keep it for future reference.

Dear Customers,

Welcome to use the Water Purification Expert, which utilizes five grade of high-precision filtration system, the effluent water is pure water which tastes better. Automatically control system make you to use this product easily, reassuredly and comfortably.

Water Purification Expert brings you safe and excellent drinking water, enables your three meals much more delicious, and makes you and your family members enjoy healthy and top-grade life.

Table of Contents

- 1. Precaution. . . . . 1
  - 1-1 Safety Issues. . . . . 1
  - 1-2 Packing List. . . . . 2
- 2. Your Water Purification Exper. . . . . 2
  - 2-1 Part Name of Water Purifier. . . . . 2
  - 2-2 Product Features. . . . . 3
  - 2-3 Product Functions . . . . . 3
  - 2-4 Working Principle. . . . . 4
- 3. Use Guide and Maintenance . . . . . 5
  - 3-1 Use Guide . . . . . 5
  - 3-2 Filter Replacement Cycle. . . . . 5
  - 3-3 Maintenance. . . . . 6
  - 3-4 Troubleshooting. . . . . 7
- 4. Technical Parameters . . . . . 8

# 1. Precaution

## 1-1. Safety Issues

Please note the following brief icons and rules for safe use of this product



### Troubleshooting

When the machine fails, please disconnect the water source immediately



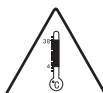
### Maintenance

Never remove the parts on the machine to avoid leakage or damage



### Avoid contact with children

Never have the machine operated by a child



### Temperature

Please use the product in a dry place with the water temperature of 4–38 °C



### Moisture

If the machine is not in use for a long time, keep the RO membrane humid



### Accessories and filter cores

To maintain the normal operation of the machine, be sure to use accessories and filter cores supplied by this company



### Emergency call

For any help, please call the local sale service center



### Correct repair service

This machine can only be repaired by qualified personnel designated by this company



### Avoid direct sunshine

Do not install the machine in a place exposed to direct sunshine



### Anti-freeze

Never store or expose the product in an environment less than 0°C

1. 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.
2. 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.
3. Children shall not play with the appliance.
4. 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
5. 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.
6. Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
7. WARNING: To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.
8. The appliance must not be immersed
9. The appliance must not be cleaned by a water jet.
10. Any losses caused by improper operation are assumed by the user.
11. This appliance is intended to be used in household and similar applications such as:
  - staff kitchen areas in shops, offices and other working environments;
  - farm houses;
  - by clients in hotels, motels and other residential type environments;
  - bed and breakfast type environments.

# 1. Precaution

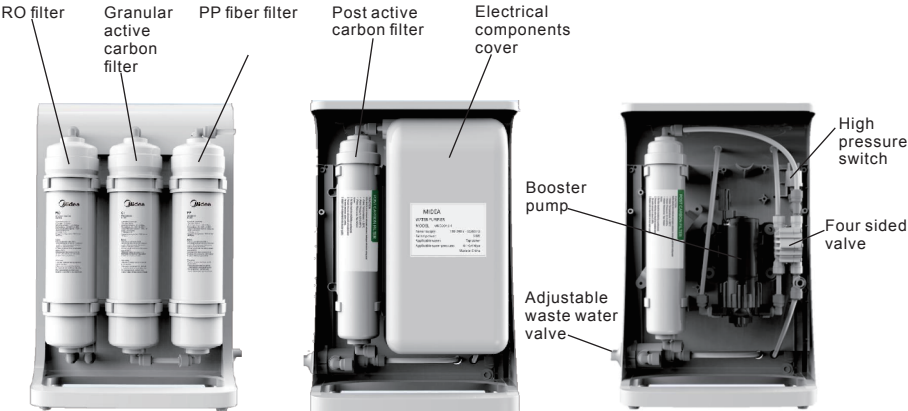
12.The maximum inlet water pressure 57 psi(0.4MPa);  
The minimum inlet water pressure 14.5 psi (0.1MPa) in power mode;  
The minimum inlet water pressure 29 psi (0.2MPa) in no power mode.  
If the pressure is higher,it's recommended to add a pressure reducer before the product by the consumer.

## 1-2. Packing List

Packing box	RO Water purifier (1set)    1/4" PE pipe (5.5m)
Materials bag	User's Manual (1copy)
Parts bag	SS Gooseneck faucet (1set) Three-way connector and valve(1set) Pressure tank ball valve (1pc)
Separate pack	Pressure tank (1pc)

# 2. Your Water Purification Expert

## 2-1. Part Name of Water Purifier

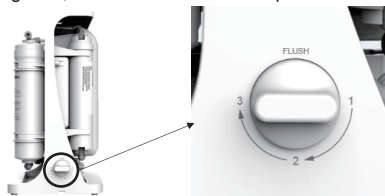




## 2. Your Water Purification Expert

### 2-2. 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
3. Adjustable waste water ratio technology  
The purifier uses innovative and adjustable waste water valve, and the waste water ratio can be adjusted in multiple gears, which can meet the requirements of various water quality conditions



The adjustable waste water valve has three waste water ratios gears and a flushing gear, you can select the corresponding function gear by turning the knob, The parameters of each waste water ratios are as follows.

Gear of wastewater ratio	1	2	3
Value of wastewater ratio ( ml/min )	200	300	400
Applicable water quality TDS value ( PPM )	0~150ppm	150~350	350~500

#### Special hints:

- a.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.
  - b.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.
4. Food-grade material  
All filter, tubes and components in touch with water is of using food grade healthy materials.
  5. Quick fit technology

### 2-3. Product Functions

#### 1 Effective cleaning

Through high-precision five stage filtration system, move granules, iron rust, colloids, residual chlorines, organic substance and impurities in water, and the effluent water is pure water, conforming to requirements of Sanitary Standard for Hygienic Safety and Function on Treatment Devices of Drinking Water-RO Water Treatment Devices (2001).

#### 2 Easy to get water

Strong penetrability of membrane, sufficient water supply, generated water used for cleaning and cooking, drained water used for cleaning.

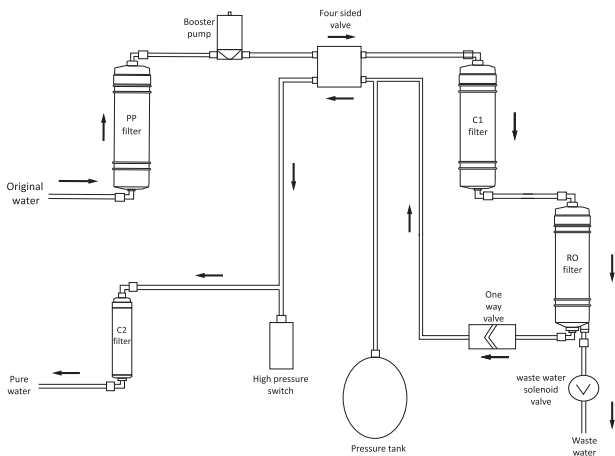
#### 3 Easy maintenance

quick connector is very convenient for maintenance.

## 2. Your Water Purification Expert

### 2-4. Working Principle

#### ● Flowchart of Water Generation



#### ● Introduction to Filter Functions

Stage	Name	Illustration	Function
Stage 1	PP fiber filter		Carry out coarse filtration of the original water, and filter out mud, sand, impurity, iron rust and suspension, etc.
Stage 2	Granular active carbon filter		Absorb unusual colors and odors. Remove residual chlorine and organic substances in water.
Stage 3	RO membrane filter		Filtration accuracy is nearest to 0.001-0.0001 um, 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	Post active carbon filter		Further absorb micro-molecules organic substances in water. Make water taste better.

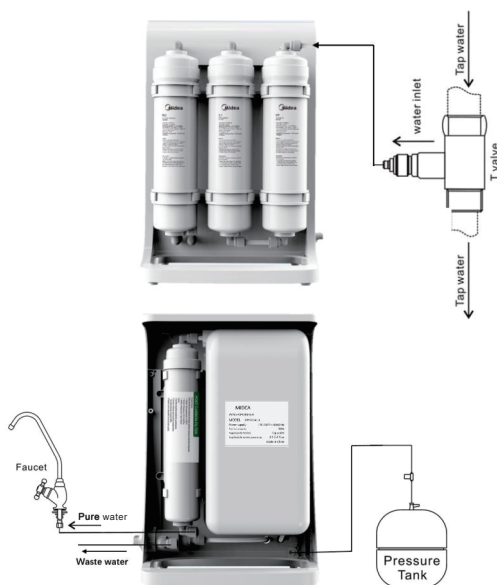
### 3. Use Guide and Maintenance



Your water purifying expert results from excellent design and elaborate technology. Please use it carefully. Following suggestions will help you effectively use the machine. For any difficulty, please dial the telephone of the local sale service center or the national free service hotline.

#### 3-1. 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:**



#### 3-2. Filter Replacement Cycle

PP fiber filter	Granular active carbon filter	RO membrane filter	Post active carbon filter
6 months	6 months	24 months	12 months

**Noted:**

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

## 3. Use Guide and Maintenance

### 3-3. 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 re-use.
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.

### 3. Use Guide and Maintenance

#### 3-4. Troubleshooting

In case of the following circumstances, the user shall carry out inspection according to the requirements below. If unresolved, please contact the local dealer or local service agency and inform product models and failure details.

Failure	Cause	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 filter
	Pre-treatment filters jammed	
	RO membrane jammed	
Poor quality of water out	Post active carbon filter not replaced in time, beyond the use time	Inform the local service agency to replace 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 service agency
	Waste water ratio solenoid valve damaged	
A lot of waste water in 1st or 2nd gear	1st or 2nd gear is not on the right position	Put the gear on the right position

#### 4. Technical Parameters

Model	MRO2041-4
Rated voltage	110-240V~
Rated frequency	50/60Hz
Rated power:	30W
Rated flow of purified water	7.8L/h
Stage 1	PP fiber filter
Stage 2	Granular active carbon filter
Stage 3	RO Membrane
Stage 4	Post Carbon Filter
Applicable water	Tap water
Applicable temperature	4-38 ° C
Packing dimensions (L*W*H)	610*285*485(mm)
Net weight	3.9kg
Gross weight	5.25kg