

 MONARCH WATER

# REVERSE OSMOSIS

## INSTALL GUIDE

120 / 180 / 240

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EVOLUTION SINCE 1964

# Important Read Before Commencing Installation

ALL PRORO UNITS MUST BE INSTALLED BY A COMPETENT PERSON

## UNIT SPECIFICATIONS:

Voltage: 220V

Capacity: 800 (PRORO120) 1200 (PRORO180)

1600 (PRORO240)

Power (W): 55

Type: Reverse Osmosis

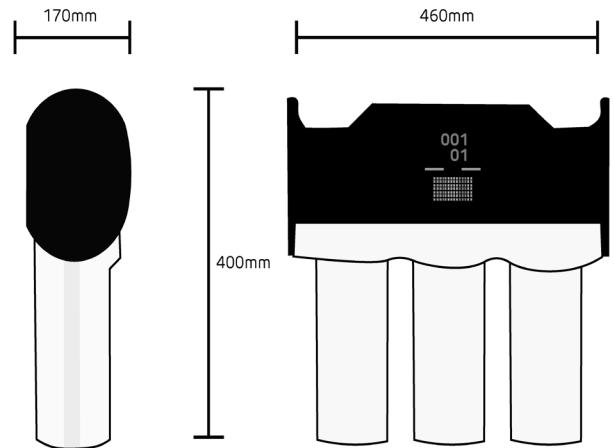
Pressure: 0.1-0.3MPa

Precision: 0.0001um

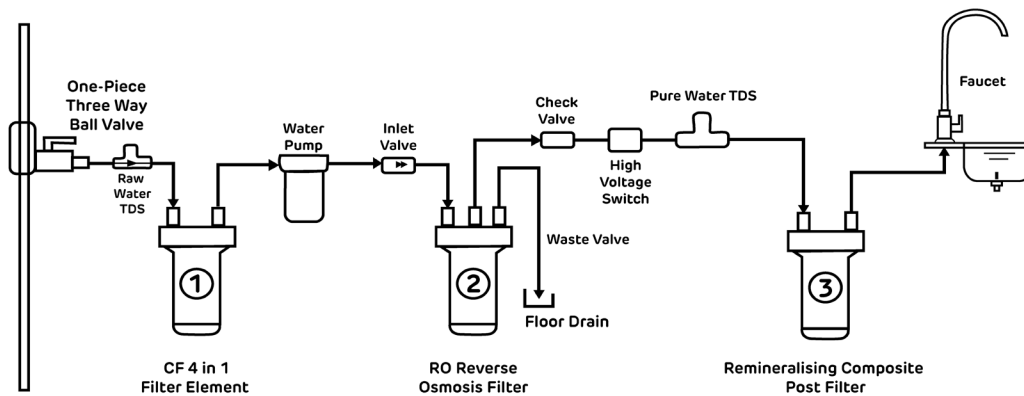
Size: 400 x 460 x 170mm

Water supply: 4-45(°C)/3.6~58(Psi)

Filters: Complex + RO + Remineralisation filter



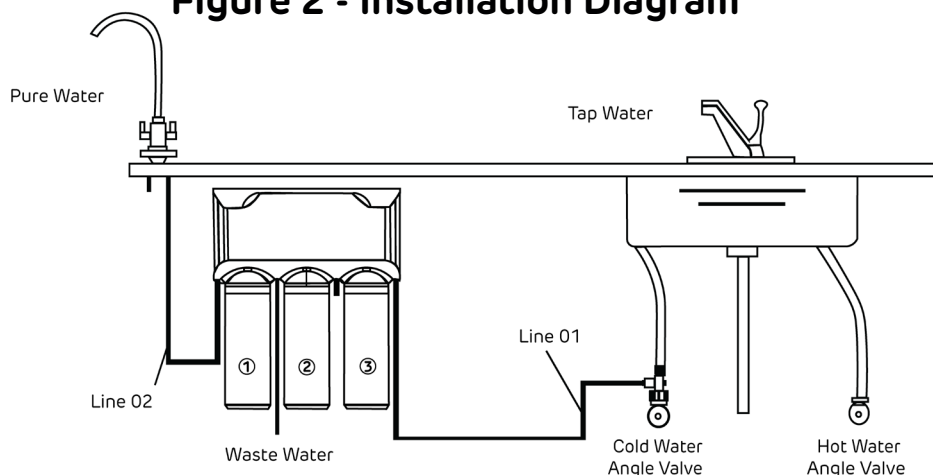
**Figure 1 - Components And Working Principal**



## PRORO Installation Instructions

1. The installation location of the PRORO can be selected according to your situation
2. It is recommended that the PRORO is located close to a wall and fastened with screws
3. When the PRORO is hung on the wall, tap the self-tapping screws or cement steel nails on the wall according to the position of the hanging holes on the PRORO'S hanging board, four are enough;
4. Install the filters of the PRORO, from left to right in front of the main machine, install No. 3, No. 2, and No. 1 filters in sequence.

**Figure 2 - Installation Diagram**



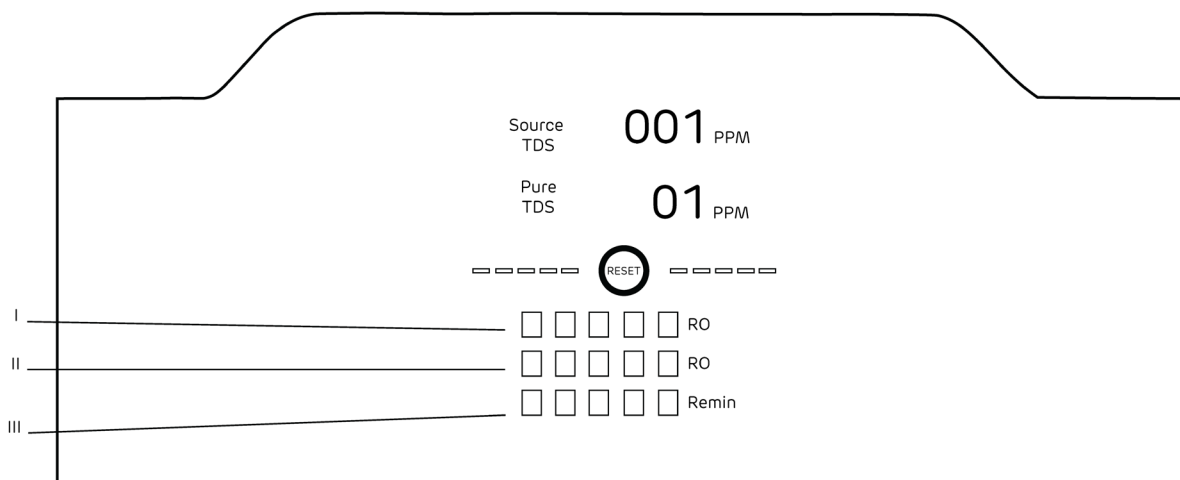
## Connections

1. Before installation, the cold water angle valve should be closed;
2. According to the installation diagram (figure 2), connect the tap water to the water inlet of the main engine, such as (line-01);
3. Connect the purification water port of the main unit to the corresponding port of the blue switch of the faucet (2 points through connector), such as (line-02);
4. Connect the pure water port (identification—connecting to the faucet) to the corresponding port of the red switch of the faucet (2 points through connector) Connect the tube from the waste water outlet to the floor drain sewer.

## Commissioning

Ensure that the tubing is well connected and open the water inlet valve;  
Flush the whole machine: turn on the mineral water switch of the faucet, and flush for 5 minutes until water drips out of the faucet, and the residual air in the whole machine is discharged; Complete machine flushing: turn on the tap and run water for 15 minutes to flush the filter; Whole machine water: The whole machine can be used after 15 minutes of flushing;  
Test the TDS value to verify the filtering effect (Reminder: Due to the different water quality and temperature of water sources in different places, the length of flushing time will also be different)

**Figure 3 - Digital Display**



The indicator light of filter (I) corresponds to the first-stage filter, the indicator light of filter (II) corresponds to the second-stage filter, and the indicator light of filter (III) corresponds to the third-stage filter. When the life of the filter expires, the corresponding light will go out. Replace the filter and commission after replacement.

## THE COMMISSIONING METHOD IS AS FOLLOWS

- 1: Double-click the STE location, and the extinguished No. 1 filter indicator light is now on. After the light is on, the life of the first stage filter is reset.
- 2: Double-click the STE location again, at this time the extinguished No. 2 filter indicator light is on, after the light is on, the life of the second stage filter is reset
- 3: Continue to double-click STE again, at this time the extinguished No. 3 filter indicator light is on, after the light is on, the third stage filter reset is completed

## MAINTENANCE

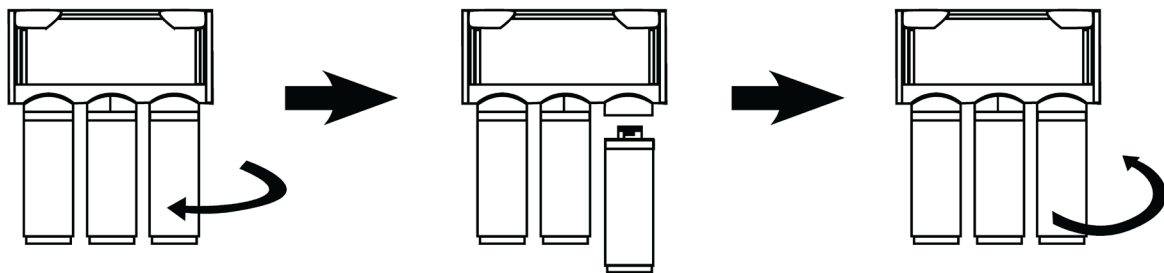
1. In order to ensure the full effect of each filter and ensure that the mineral water meets the use standard, please replace the filter regularly. The replacement period of the filters varies according to the quality of the water source and the amount of water consumption. When the water is municipal tap water, it is recommended to replace the filter cycle; (see Table 1)

**Table 1 - Recommended Filter Replacement Cycle**

CF 4 in 1 filter	RO Reverse Osmosis Membrane	Composite Filters
10-12 months	12-24 months	10-12 month

2. The operation of replacing the filter is shown in Figure 4 (please close the water inlet valve first when replacing the filter)

**Figure 4 - Diagram Showing Filter Replacement:**



Remove the old filter  
(turn 90° counterclockwise from  
bottom to top)

Install new filter  
(rotate 90° clockwise  
from bottom to top)

## TROUBLESHOOTING

Issue	Possible Reason	Solution
No pure water Low water output	No water The water inlet valve is not opened, the inlet and outlet of the water purifier are connected reversely Composite filter plugged Ro membrane filter plugged Low water pressure	Connect the water source Open the water inlet valve and follow the product water inlet and outlet prompts to connect it correctly Replace the filter Replace RO membrane filter Increase water pressure

1. Do not disassemble the machine parts at will to prevent water leakage and damage to the machine.
2. It is recommended that the machine be used in an environment with a temperature above 0°C. When the ambient temperature is below 0°C, freezing of water may cause the machine to burst.
3. After a long period of inactivity, turn on the mineral water tap and flush water for 10 minutes before it can be used.
4. If the machine fails, please contact a professional for repair or call Monarch on + 44 (0) 1986 784759 (option 2).
5. When not in use for a long time, close the water inlet valve to cut off the water source.

Name	PRORO Unit	Self Tapping Screws	2 Point Straight Connector	Expansion Pin	Double Faucet with Hanging Piece	Water Inlet Tee
Quantity	1	10	2	7	1 set	1 set
Name	Hanging Board	Manual	2 Points/3 Points PE Pipe	Composite Filter 1	Composite Filter 2	RO Membrane
Quantity	2	1	5m/3m	1	1	1

## Disclaimer

In case of special circumstances during installation, you need to use accessories not included in the packing list of this product. Customers are asked to purchase quality-guaranteed accessories through regular channels. Monarch Water is not responsible for the quality of non-original accessories because of the quality problems of the accessories purchased by customers. Monarch Water assumes no responsibility for any water leakage accident.

## Regular Maintenance

Please ensure you change your filters when recommended. Failure to change your filters regularly may invalidate your warranty. Regularly check the TDS level of your output water. Ensure that you change your Reverse Osmosis Membrane when recommended or when the TDS level starts to rise. For best performance, supply unit with softened water, as this will achieve maximum life expectancy of the membrane. Please get in touch with Monarch Water today to find out about our full and comprehensive range of class leading Water Softeners on + 44 (0) 1986 784759 (option 1).

## To Order Spare Parts

It is important to use only genuine, approved spare parts. Call us on + 44 (0) 1986 784759 or email [sales@monarchwater.co.uk](mailto:sales@monarchwater.co.uk).



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