



RO system

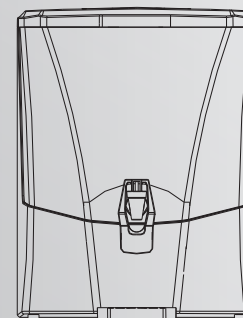
Installation and Maintenance Manual



RO system

Installation and Maintenance Manual

Model :QR-110



RO

Read through all the instructions before proceeding with Actual installation. Be sure to follow any special plumbing codes in your area. With proper care your RO system will produce high quality great tasting drinking water for many years. Please read this manual carefully. Should you have any question, please contact your local dealer.

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Matters Need Attention

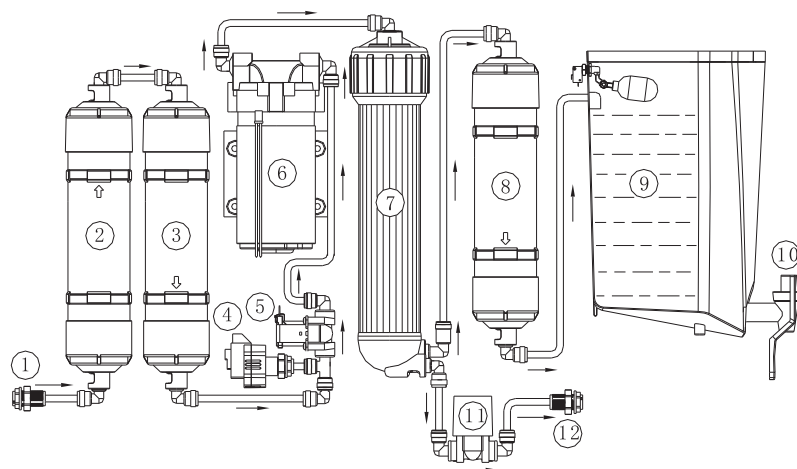
- Product can't lean, and it's forbidden to put stuff on product.
- Product is only for indoor installation, and avoid direct sunlight.
- Do not dismantle parts of product, in case of leakage and damage to the product.
- Product's water source is tap water, water pressure is 0.1MPa~0.4MPa, water temperature is 5℃~38℃, it's forbidden to use it out of the range.
- When it's not used for three days or more, cut off the power and water source, in case there is a water hammer, which will bring hurt product or make it leak.
- Please use filters and spare parts to ensure the normal use of product.

Packing List

Name	Qty
Main engine	1
Faucet	1
RO membrane	1
Wrench	2
Inlet three-way	1
2" ball valve	1
Raw material rape	1
PE tube	1
Manual	1
Water disposal pan	1

Introduction

1. Water treatment technology diagram



- ① Raw water port ④ Low pressure switch ⑦ RO membrane ⑩ Tap
 ② PP filter ⑤ Inlet solenoid valve ⑧ UDF filter ⑪ Flush valve
 ③ CTO filter ⑥ Booster pump ⑨ Pure water tank ⑫ Waste water

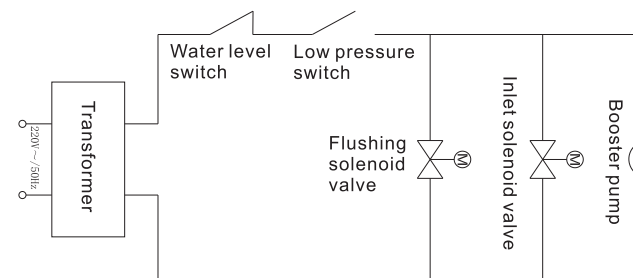
2.Filter specification

Name	Features
PP filter	It can effectively remove impurities which are larger than 5 microns, like suspended solids, sediment, red bug, rust and so on.
Sintered carbon filter	It can residual chlorine and organic matters, chloroform, strange color and odor, protect RO membrane (UF filter) and extend its service life.
RO membrane	Its precision can be 0.0001 micron, remove almost all the organic matters, heavy metal ions, bacteria, virus and other impurities. Meanwhile drain out these harmful substances of the purifier.
GAC	Absorb strange color and odor in the water, adjust the quality and improve the taste.

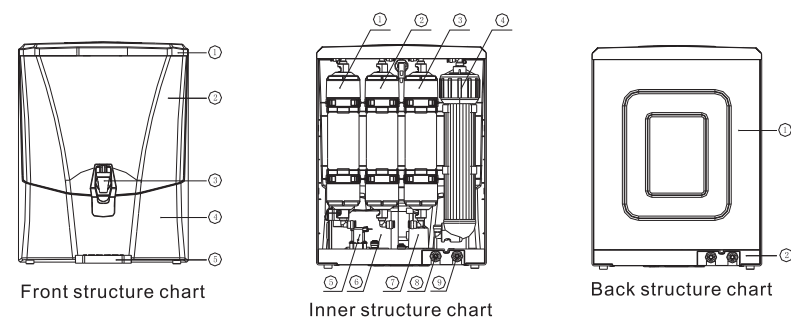
3.Technical parameter

Model	QR-110
Water source	Tap water
Water pressure	0.1MPa-0.4MPa
Production capacity	185L/day
Electric shock type	Type II
Rated voltage/frequency	220V~ 50Hz
Rated power	26W
Water tank capacity	8L

4.Electrical schematic diagram



5. Structure



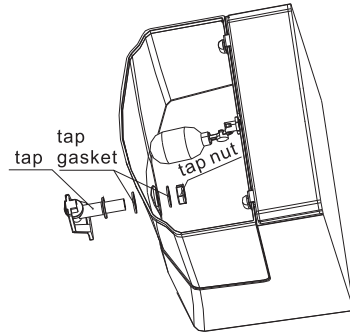
- ① Top cover
 ② Transparent water tank
 ③ Tap
 ④ Water tank foundation
 ⑤ Water disposal pan

- ① T1.PP filter
 ② Sintered carbon filter
 ③ GAC
 ④ RO membrane
 ⑤ Inlet solenoid valve
 ⑥ Booster pump
 ⑦ Auto flush valve
 ⑧ Waste water port
 ⑨ Inlet port

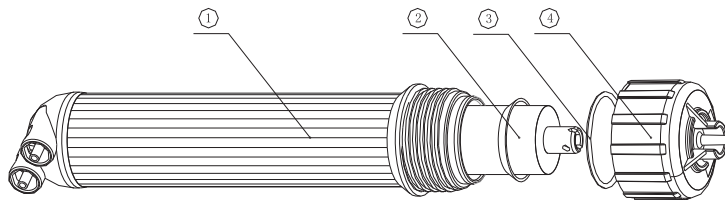
- ① Back shroud
 ② Baseboard

Installation Diagram

1.install the tap: first open the top cover, then open the tap accessory bag, install the tap as shown in the picture, ensure it's fastened well.



2.install the RO membrane: open the back shroud, install the RO membrane as shown in the picture, then fasten the membrane shell with wrench. Install the back shroud back.



- ① Membrane shell ② RO membrane
③ O-ring seal ④ Membrane shell cover

Maintenance

Replace filters at regular intervals, ensure the water quality.

In order to ensure that filters can work normally, meanwhile the output water is qualified, consumer should replace filters at regular intervals, ensure the water quality.

Normally, it's suggested to replace filters as below:

Name	Replacement cycle
PP filter	6-12 month
Sintered carbon filter	6-18 month
RO membrane	1-3 year
GAC	6-12 month