

Reverse Osmosis Water Purifier
OWNER'S MANUAL

Celina

Thank you for choosing our RO water purifier system.
Please read this manual carefully and follow
the instruction during installation.

? PROBLEM ANALYSIS

Please do contact the local seller for further professional solutions if any issue occurred. The following analysis are for reference only.

Issues	Potential Causes	Solutions
Pump works from time to time during auto flushing	<ol style="list-style-type: none"> 1. Low source water pressure or PP filter is blocked 2. Circuit problem 	<ol style="list-style-type: none"> 1. Increase the source water pressure or replace PP filter 2. Check out and repair relative circuit
Tank is full but no water flows out	<ol style="list-style-type: none"> 1. Lack of pressure in the tank 2. Post filter blocked 3. Faucet tap blocked 	<ol style="list-style-type: none"> 1. Increase the pressure to 0.05MPa to check air chamber if leaked or not and replace in time 2. Replace the post filter 3. Replace or repair the faucet tap
Drain water keep flowing while RO system stops working	<ol style="list-style-type: none"> 1. Inlet valve is not shut off completely 	<ol style="list-style-type: none"> 1. Replace the inlet valve
RO system starts too frequently and can not stop when tank is full or restarts after a moment	<ol style="list-style-type: none"> 1. HPS does not work 2. Check valve does not work 3. Pressure in the tank is too high 	<ol style="list-style-type: none"> 1. Repair or replace the HPS 2. Replace the check valve 3. Adjust tank pressure and the HPS
Suspended matters exist in pure water	<ol style="list-style-type: none"> 1. The post carbon filter is not clean enough 2. Suspended matters come from the tank 	<ol style="list-style-type: none"> 1. Re-flush the post filter 2. Flush the tank or replace it
Noise comes from the pump	<ol style="list-style-type: none"> 1. The pump has been working for too long 	<ol style="list-style-type: none"> 1. Replace the pump
Connectors leak	<ol style="list-style-type: none"> 1. Teflon tape missed 2. Length of the pipe inserted too short 	<ol style="list-style-type: none"> 1. Apply more teflon tape on 2. Insert the pipe into the end

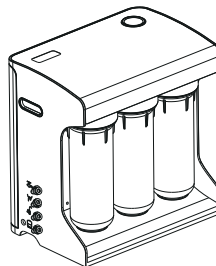
Thank you for choosing our RO water purifier system. This product can be installed either countertop, undercounter or hang up to the wall per your needs. It is recommended that, before using this unit, you'd better read this manual carefully.

IMPORTANT NOTICE:

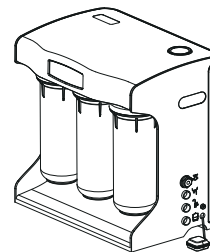
1. Please check the circuit before installation.
2. Instruction should be strictly followed for the product.
3. Please do not change the circuit or pipeline by yourself.
4. Please do not adjust the high pressure switch (HPS), low pressure switch(LPS) or other control parts by yourself.
5. Please contact your local seller as soon as possible if any problem occurred.

DO NOT USE FIRST TANK OF WATER.

You shall be able to refer to problem analysis section if any abnormal situation you encountered.



Without Digital



With Digital

Note: The above figures are for reference only.

PARAMETER

No.	Item	Parameter
1	Dimension	387*239*396mm
2	Dimension(with LED)	387*260*396mm
3	Voltage	AC100V-240V
4	Capacity	75GPD, 520GPD (Tankless)
5	Tank Capacity	3.2G
6	Temperature	5~38°C
7	Max. TDS	< 300ppm
8	Removal Rate	> 96%
9	Configuration	6 stages with pump
10	Flush Mode	Automatic
11	Inlet Water Pressure*	0.15~0.4MPa
12	Low Pressure Setting	0.025MPa
13	High Pressure Setting	0.25~0.35MPa
14	Auto Flush Time	10s (Digital version)

PACKING LIST

3/8" PE Pipe for 520GPD	1 Roll
Owner's Manual	1 PC
Wrench-Membrane Housing	1 PC
Wrench-Filter Housing	1 PC
Wrench-Quick Connect Fitting	1 PC

? PROBLEM ANALYSIS

Please do contact the local seller for further professional solutions if any issue occurred. The following analysis are for reference only.

Issues	Potential Causes	Solutions
Pump does not work and no water produced	<ol style="list-style-type: none"> 1. Source water pressure too low 2. HPS, LPS or solenoid valve does not work or loose connection 3. Power switch problem 4. Pump problem 	<ol style="list-style-type: none"> 1. Increase source water pressure 2. Repair or replace the HPS, LPS or solenoid valve 3. Repair or replace the power switch 4. Repair or replace the pump
Pump works but no pure water produced	<ol style="list-style-type: none"> 1. Pre-filters are blocked 2. RO membrane is blocked 3. Pump has no pressure 4. Flush solenoid valve is not turned off 	<ol style="list-style-type: none"> 1. Replace the pre-filters 2. Replace the RO membrane 3. Repair the pump 4. Replace the solenoid valve
Pump head leaks	<ol style="list-style-type: none"> 1. GAC or CTO filter is blocked 2. The pump head washer aged or blocked by the scale 3. Flow restrictor is blocked 	<ol style="list-style-type: none"> 1. Replace the two filters or repair the pump 2. Repair the pump head and replace PP filter periodically 3. Replace the flow restrictor




FILTER

4. Hold the RO housing with left hand, and pull out the old membrane with pliers.
5. Put a new membrane into the housing. Make sure its black "O" ring reach the end of the housing.
6. Tighten the membrane housing cap before putting back to the system.
7. Turn on the inlet ball valve and flush the membrane completely. When the machine works well, connect it to the tank ball valve.

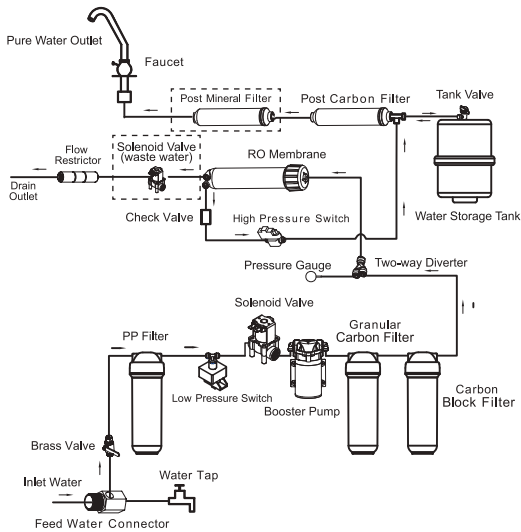
DO NOT USE FIRST TANK OF WATER AFTER REPLACING MEMBRANE.

PACKING LIST

RO Water Purifier	1 Set
Faucet	1 Set
Feed Water Connector, Brass Valve	1 Set
Water Storage Tank (520GPD does not contain)	1 PC
Tank Ball Valve (520GPD does not contain)	1 PC
Power Adaptor	1 PC
RO Membrane	1 PC
1/4" PE Pipe	1 Roll

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WORKING PROCEDURE



Six Stages Filtration

Stage 1: PP(5 μ m) sediment filter, removing suspended solids such as sand, iron rust, copper rust, phosphor, etc.

Stage 2: GAC granular carbon filter, absorbing bad taste and odor, chlorine, chlorine by-products, etc.

Stage 3: CTO carbon block filter, help remove chlorine, organics, bad taste and odor, floating particles, etc.

Stage 4: RO membrane, removing hazardous substances such as bacteria, virus, chemical materials, heavy metals, and so on.

Stage 5: Post carbon filter, help improve taste.

Stage 6: Mineral filter to make the water contain more minerals for health.

FILTER

Filter Life

Below is recommended filter replacing life but depending on different water quality.


PP (5 μ m) Sediment Filter	6 months
GAC Carbon Filter	6 months
CTO Carbon Block Filter	6 months
RO Membrane	24 months
CCF Post Carbon Filter	12 months
Mineral Filter	12 months

Pre-filters Replacement

1. Shut off the valves and drain out the remaining water from the faucet.
2. Lift the filter housing up to a 45-degree and turn the housing anticlockwise.
3. Take out the old filter and replace the new one.
4. Turn the filter housing clockwise and put it back to its original position. Using wrench to tighten it.
5. Check and make sure there is no leakage.

RO Membrane Replacement

1. Turn off the inlet ball valve, once the system stops working, pull out the PE tube from the inlet of the membrane housing.
2. Turn off the tank ball valve, pull out the PE tube from the outlet of membrane housing.
3. Take out the membrane housing to the basin and remove the cap with the wrench.

No.	Function	Description
1	Reset	Press it for five seconds before filters are reset.
		The buzzer keeps ringing when leakage is found. After trouble is resolved, reset it and the buzzer stops ringing.
		The buzzer rings every five seconds when the product keeps working for a long time.
2	Flush	Manually press this button to flush the unit.
3	Power	When the light flashes once per second, it represents the unit is producing water.
		When light turns off, it indicates the unit is not working.
4	Check	When red light flashes, it represents the unit is leaking.
		When the light keeps on but beeps per five seconds, it means the product has been working.
5	Exhaust	When red light flashes, it indicates the machine has been short of water.
6		Filter Life Indicator ① It displays life of the polypropylene filter(stage 1). ② It indicates life of granular carbon(stage 2) and carbon block filter(stage 3). ③ It shows reverse osmosis membrane life(stage 4). ④ It represents life of coconut carbon filter(stage 5) and mineral filter(stage 6). When lights on, it means the filter is working well. If the machine beeps ten times when making water, it shows you that filters are going to end of life. Turn on the faucet, if the machine did not make water but beeps, that means the filters should be changed.

Leakage Protector

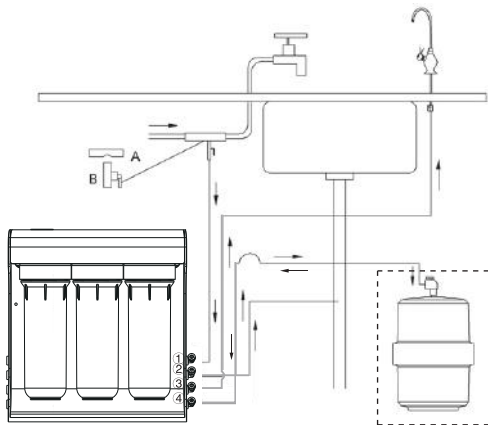
When the product leaks, no matter before use or after use, the leakage protector will detect the issue and the check light will flash in red with warning sound until problem is resolved and machine is reset.

It is strongly recommended that you have a trained technician install this apparatus for you. Below instructions must be strictly followed for the product when you choose to do it by yourself.

1. Check the parts and make sure they are complete.
2. Turn off the water at the main before you disconnect the faucet. Connect the male end of three-way diverter to feed water connector and the other end to the disconnected water tap.
3. Connect the feed water connector to the inlet hole of the machine with a PE tube.
4. Connect the drain outlet of the machine to a PE tube and lead it to the waste water drainpipe.
5. Install the ball valve to water storage tank and connect it to tube one end, with the other tube end connected to pure water outlet of the machine.
6. Drill and install the faucet to or by the sink. Connect the faucet hose through outlet on the side to the post carbon filter. You shall use the bracket if faucet were desired to be installed on the wall.

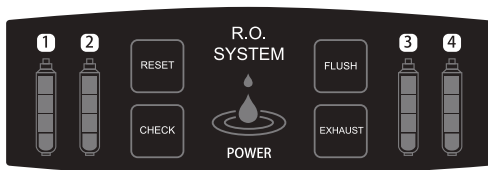
DO NOT OVER TIGHTEN THREADS.

STEP



Note: The above figure is for reference only.
520GPD Celina system is tankless .

SCREEN



SCREEN

الموصفات	الحركة
اكبس مفتاح اعادة التشغيل لمدة خمس ثواني قبل تعيين المرشحات. الجرس يبرن في حالة تسريب الماء. بعد حل المشكلة اكبس مفتاح التشغيل والجرس يوقف.	اعادة تشغيل
اذا كان الجهاز يعمل لفترة طويلة الجرس يبرن كل خمس ثواني.	
اكبس مفتاح الغسيل لغسل الجهاز الجهاز ينتج ماء عند حدوث فلاش للضوء مرة بالثانية واذا كان الضوء مغلق هذا يعني ان الجهاز لا يعمل.	الغسيل الكهرباء
عند وجود فلاش للضوء الاحمر يوجد تسريب في المياه اذا كان الضوء شغال و يبرن كل خمس ثواني، هذا يعني ان الجهاز يعمل.	تشبيك
اذا كان الضوء الاحمر شغال هذا يعني نسبة الماء قليلة في الجهاز.	الغامد
رقم 1 مؤشر الشمعة الاولى	المؤشر
رقم 2 مؤشر الشمعة الثانية والثالثة	
رقم 3 مؤشر الممبرين	
رقم 4 مؤشر المرحلة الخامسة كربون جوز الهند والمرحلة السادسة للمعادن.	

حامي تسريب الماء

اذا وجد تسريب في الماء قبل التشغيل أو بعد التشغيل، حامي تسريب الماء يكشف المشكلة ويظهر فلاش الضوء الاحمر مع صوت للتحذير حتى حل المشكلة و اعادة تشغيل الجهاز.