SPRYNG

OWNER'S MANUAL

Tankless Non-electric Reverse Osmosis Water Filtration System

Model: **M800-Spryng Essential**



SPRYNG

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www.spryng.co.za

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NOT HAPPY ?

Not satisfied with your product
Tell us why and we'll make things right !

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1. Before Installation

Inspect box

Open the box and take out the system and all the components. Inspect them carefully according to "Product Introduction" and make sure nothing is missing or damaged during shipping. If any parts are cracked or broken, please do not proceed with the installation and contact Spryng for an exchange or diagnosis.

Parameters

Model	M800 - Spryng Essential
Size (L*W*H)	37.84cm x 13.97cm x 50.03cm
Daily Production Rate	2271.25~3406.87 litres @45~60psi(25°C)
Applicable Water Source	Municipal Tap Water
Working pressure	43.5-100psi/3.0-6.9bar
Water Temperature	5-38°C
Battery Capacity	4500mAh
Battery Chemistry	Li-ion Battery
Battery Nominal Voltage	3.7V
Battery Charging Limits	4.2V 2250mA
Rated Voltage/Current	5V/1.9A

*Actual GPD (gallons per day) varies with inlet water pressure - higher pressure results in greater flow rate.

Note:

Battery powered display only (No power required for product operation). Low water temperature will slow down water flow. Please contact us for reference at: admin@spryng.co.za

2. Packing List

Preinstalled



System Housing Set x1



PPC Filter x1



RO Filter x1



CMZ Filter x1



RO Faucet Set x1



Feed Water Valve x1



1/2”-3/8” Converter Set X1



EU Plug Adapter x1



USB Type-C Cable x1



Drain Saddle X1



3/8" Inlet Hose x1



Blade X1



Lock Clips



Wrench



Plumber Tape X1



White 1/4" tubing X1



Red 1/4" tubing X1

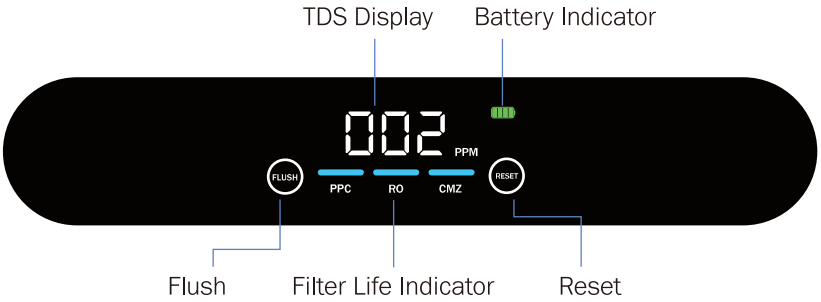


1/4"-1/4" quick water fitting x2



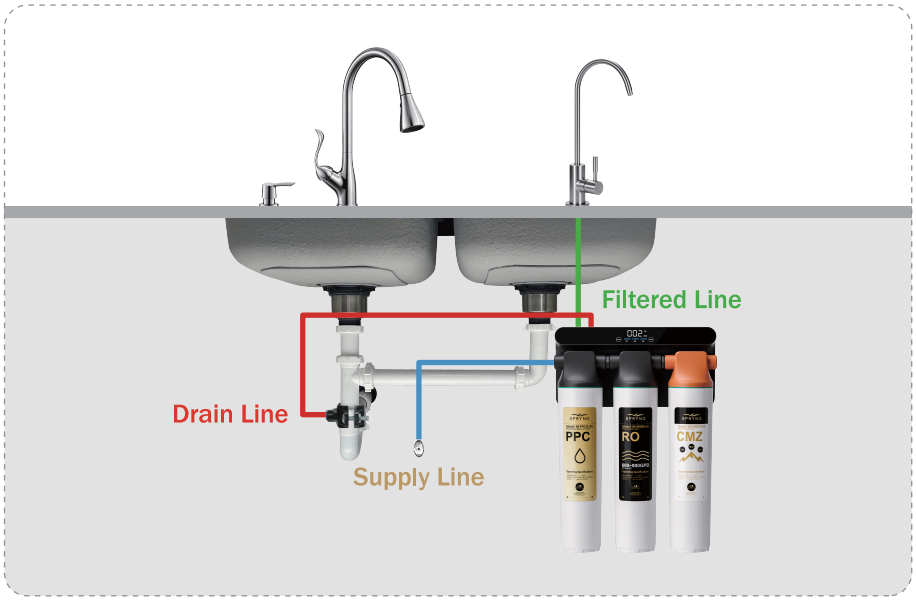
Elbow fitting 1/4" stem - 1/4" quick connectt X2

3. Product Introduction





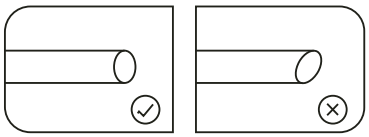
4. Sample Connection



5. Installation Tips and Precautions

How to cut the tubing?

Please cut the tubing into two sections in proper length, make sure cut them squarely and cleanly.

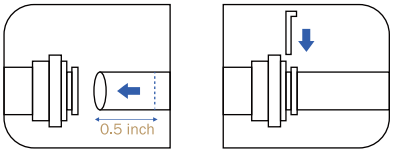


How to connect/disconnect the tubing?

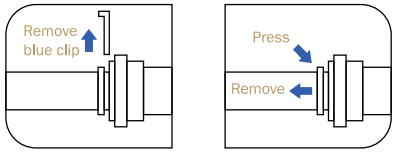
To connect: please push the tubing into the fitting and make sure it is fully inserted. Then put the blue lock clip on the fitting, it will lock the tubing in place.

To disconnect: please remove the bluelockclip from the fitting, push in the lock sleeve, and then pull out the tube from the fitting.

Note:
If the tubing is not fully inserted, water leakage may occur. Pulling out the tubing directly will damage the fitting, which may also cause water leakage.



1. Insert to seal the connection



2. Remove to disconnect

Precautions:

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection.
- Testing was performed under standard laboratory conditions. actual performance may vary.
- For cold water use only.
- This filter must be protected from freezing, which can cause cracking of the filter and water leakage.
- Do not allow children under 3 years of age to have access to small parts during installation.
- The installation must comply with all applicable state and local regulations.

6. Installation Steps

Step 1: Activate screen

- Activate Screen:

Long Press “ FLUSH ” + “ RESET ” for 4s.

Step 2: Mount the system (Optional)

- Use the screws provided to mount the system.

Note:
Mount the water filter at least 2 inches higher than the ground for easier filter replacement

- Fasten the screws.

Step3: Connect the water hose

- Connect the inlet hose to the “Inlet” port.



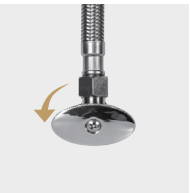
Step4: Connect three-way feed water valve (3/8" or 1/2")

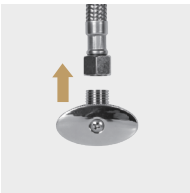
- Connect the “inlet hose” into the 3-way feed water valve.



Step5: Connect the water supply(COLD WATER ONLY)

- Shut off the water supply. Disconnect the cold water pipe from angle valve.





- Twist the feed water valve onto the angle valve and make sure the O ring is loaded.



- Connect cold water pipe onto the feed water valve. Valve installation complete.

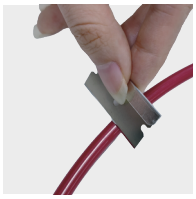


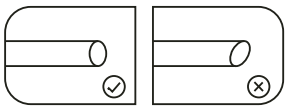
Note:
If your angle valve is 1.27cm, please install the converter provided firstly.



Step6: Cut the 1/4" red tubing

- Please cut the 1/4" red tubing in proper length, make sure cut them squarely and cleanly.





Step7: Install the drain saddle

- Disassemble the drain saddle, and peal off the black sticker and stick to saddle valve.



- Choose a spot on the drain plpe that is convenient for installing the drain saddle. It is recommended to install the drain saddle on the vertical drain pipe.



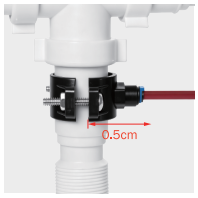
- Drill a 0.5cm hole in the drain pipe. Make sure not to penetrate the opposite side of the pipe.



- Mount the drain saddle and tighten the screws with a screw driver



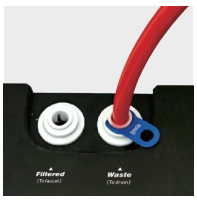
- Insert the 0.5cm red tubing to the drain saddle about 0.5cm, and lock the fitting with a blue clip.



Step8: Connect the "WASTE" water tubing

Cut the 0.5cm red tubing in proper length and insert one end into the "Wasted" port on the back of the system.Then lock the clips.





Step9: Install the drinking RO faucet

Note:
If your kitchen sink or countertop does not have an existing hole, you will have to drill one 1.27cm before proceeding .

Follow the steps below and mount the faucet onto the sink top.







Mount the rubber and fasten the hand fixture underneath.







Step10: Connect the “FILTERED” water tubing

- Cut another 0.5cm tubing in proper length. Insert one end into the “Filtered” port on top of the system. Then lock the clips.





- Connect the other end of 0.5cm white tubing from the "FILTERED" port into the 0.5cm quick fitting. Then lock the clips

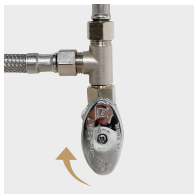






Step11: Start up the system

- Turn on the angle valve and check for leaks.



Step12: First time usage

- Turn on the RO faucet. Allow it to run for 20 minutes.

7. Display And Operation

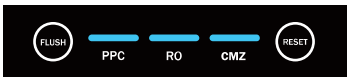
Display activation

Long Press “ FLUSH ” + “ RESET ” for 4s.

Note:
When the display is ”OFF”, the system does not track filter lifespan.
For accurate filter life monitoring, please keep the display activation during regular use.

Filter life indicator

Filter life indicator on the system housing.



Status	Remaining Life	Indication	
		Light	Buzzer
Normal	>15 Days	Blue	/
Warning	<15 Days	Flashing Red	Beeps for 30s every 3 hours

Filter life reset

- **Select filter:** Long press the " RESET " for 2 seconds, the buzzer will beep and you can start to select the filter you want to change. Press " RESET " to change between the filters and the selected filter lifetime indicator will flash.

- **Reset:** After selecting the filter, long press " RESET " button for 4 seconds. You will hear a beep which means the filter is successfully reset. If you do not operate within 5 seconds, it will automatically exit this mode and resume normal display.

Flush mode

- Press the " FLUSH " button once to activate the flush mode for 30 seconds.
- Press the " FLUSH " button again during this process to stop flushing immediately

Note:

Flush the RO unit at regular intervals to ensure the longest possible service life of the membrane. To do this, use a convenient flush valve.

In addition, we recommend that you flush the membrane for approx. 1 minute before each RO water treatment.

8. Replacement Of Filter Cartridge

Please replace filter cartridges regularly according to the recommended replacement period shown below.

Position	Filter	Model Number	Lifespan
1st stage	PP+CB 2-in-1 filter	M-PPC15-01	up to 12 months up to 24 months
2nd stage	RO membrane	M-RO800-02	up to 12 months
3rd stage	Remineralization Filter	M-CMZ15-03	

Note:
All the service life of the filter cartridge listed are based on actual laborator test and the provided water. The actual service life of filter cartridge depends on source water quality and daily water usage.

9. Filter Replacement Instruction

Step 1: Turn off the water valve and turn on the water faucet to release water pressure

- Cut off the water supply



- Turn on the RO water faucet to release water pressure



- Unscrew the cartridge needs to be replaced clockwise. Screw the new cartridge counter clockwise into the system.





Step 2: Reset the filter lifetime

- Long press the " RESET " button for 2 seconds, the buzzer will beep and you can start to select the filter you want to change.

- Press " RESET " button to change between the filters and the selected filter lifetime indicator will flash.

- After selecting the filter, long press " RESET " button for 4 seconds. You will hear a beep which means the filter is successfully reset. If you do not operate within 5 seconds, it will automatically exit this mode and resume normal display.

Step 3: Flush the filter

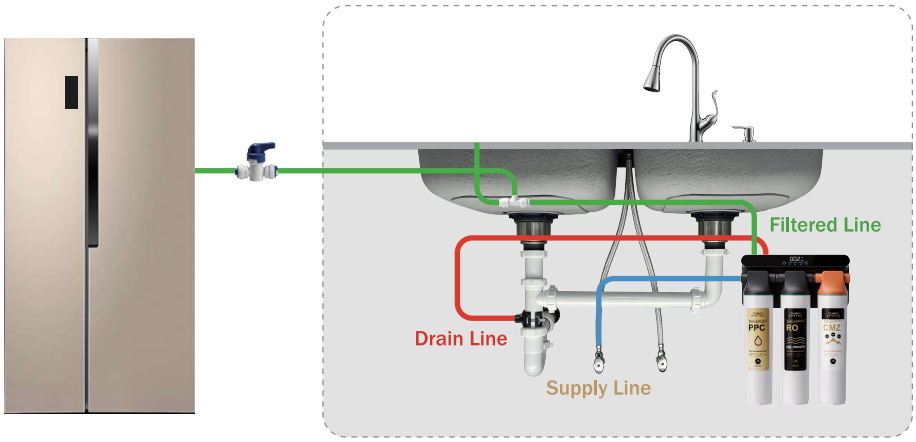
- Turn on the faucet to discharge the filtered water. If you replace the RO membrane, please do not use the water in the first 20 minutes. If you replace other cartridges, please do not use the water in the first 10 minutes.

10. Hook Up To Your Refrigerator/Ice Maker

The M800 system can be connected with your refrigerator/Ice-maker by utilizing an extra IMC-1 ice maker connection kit (not included).

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11. Mini Tank Available Now!

Note:
That since the tankless RO system produces instant fresh pure water to the faucet, there would be approximately 0.5-1 second of time lag for water outflow.

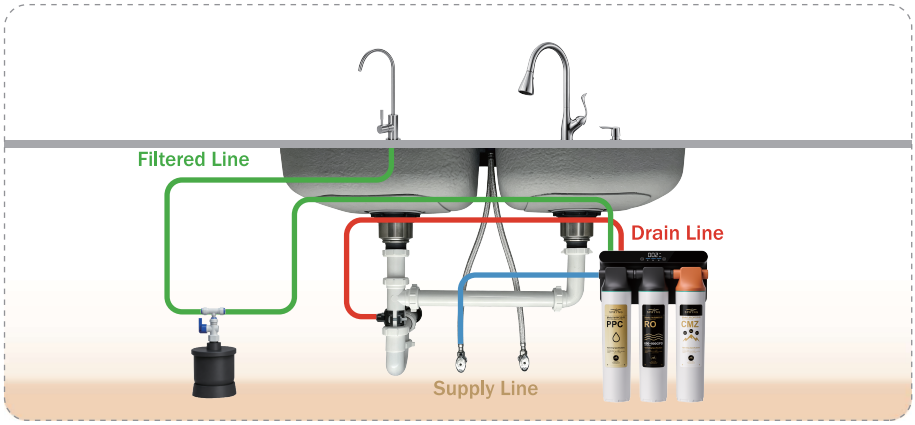
1. If you consider the lagging outflow to be undesirable.
2. If you need faster water flow

Simply contact Spryng or scan QR code to purchase

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Lithium Battery Disposal & Scrap Handling Instructions

I. Pre-Safety Requirements for Scrapping
   1. Scrapping Judgment Criteria
      The battery must be scrapped if any of the following conditions occur: electrolyte leakage, swelling, damaged casing, abnormal heating, significant voltage attenuation, failure of the protection board, or upon reaching the end of its service cycle life.
   2. Pre-Scrapping Discharge
      Fully discharge the battery to a low voltage state before disposal. Do not discard fully charged batteries directly to reduce fire hazards.
   3. Isolation & Protection
      Store scrapped batteries separately. Seal the positive and negative terminals with insulating tape to prevent short circuits caused by contact with metal objects.

II. Compliant Disposal Regulations
   1. Prohibited Operations
      a. Do not discard into general household waste, incinerate, disassemble or puncture battery cells;
      b. Do not soak or crush waste lithium batteries without authorization;
      c. Do not mix and discard together with ordinary cartons or paper packaging.
   2. Authorized Recycling Channels
      a. Hand over to recycling enterprises with qualified hazardous waste disposal credentials for lithium batteries;
      b. Deliver to dedicated lithium battery recycling bins located in supermarkets, home appliance stores and residential communities;
      c. Entrust the product manufacturers for unified recycling and disposal.
   3. Packaging Requirements for Transporting Waste Batteries
      Pack waste batteries separately with corrugated cartons in accordance with the stacking standard specified in the test report:
      a. Carton thickness: 5 mm;
      b. Internal paper liner cushioning shall be equipped for shock absorption;
      c. Maximum load of a single carton shall not exceed 85 kg;
      d. Mark the package with UN3481 lithium battery label to avoid damage from stacking and extrusion.

Environmental & Regulatory Compliance Requirements

Lithium-ion batteries are classified as lithium-containing hazardous waste. Their disposal shall comply with local hazardous waste recycling and management regulations. Random disposal is forbidden, as improper handling may lead to fire risks and soil & water pollution.

12. Maintenance

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection.

- If you don't use the system for a long time.

  A. If the system has not been used for more than 2 days, please turn on the faucet and discharge the filtered water at least 5 minutes before usage.
  B. If the system will not be used for more than 1 week, please seal the filter cartridges and store them in the refrigerator but do not put them in the freezer. Discharge filtered water for at least 10 minutes before next time usage.
  C. If the system will be not used for a long time, please cut off the water supply, cut off the power and turn on the handle of the faucet to release the internal pressure and avoid damage to the system.

- Please replace the filter cartridge regularly according to the filter life indicator

- The testing was performed under standard laboratory conditions, acual performance may vary depending on the source water quality and water usage. In case of premature blockage and failure of the filters , it is recommended to replace the filter in accordance with actual usage.

- Clean the system with clear water. Do not spray the water directly. Do not use steel wool , abrasive cleaner or corrosive liquid into the filter to avoid damage to the filter system.

- Keep the waste water pipe unobstructed to avoid damage to the filter or internal components

- When the drain pipe is blocked, do not use the system to avoid the waste water from soaking the floor.

- Check the system and water pipe fittings regularly for water leakage to avoid any property damage

13. Trouble Shooting

Fault	Possible Cause	Solution
No water out of faucet	Cold water valve or the faucet is off.	Please open the valves.
	Connection of pipeline is incorrect.	Please check the pipelines and make sure the connection is correct.
Low water flow	Lifetime of the filter cartridge is expired.	Please replace the filter cartridge or contact customer service team.
	Filter is blocked.	Please replace the filter according to the instruction.
	Water pressure is low, or water supply is insufficient.	Please contact customer service team.
	PE pipes are bent.	Please check PE pipes.
Filtered water in poor quality	Lifetime of the filter cartridge is expired.	Please replace the filter according to the instruction.
	Quality of feed water is too bad.	Please ensure the water source is municipally treated water or has been properly disinfected prior use.
Water leakage	Pipes or filters are not installed properly.	Please reinstall the system according to the instruction or contact customer service team.
	The O rings are missed.	Please contact customer service team.
	Other components are damaged.	Please contact customer service team.
Unchanged filter lifetime indicator	Electronic controller or display panel is damaged.	Please contact customer service team.

Button failure	The button is misoperated.	Please operate the button according to the instruction.
	The button is damaged.	Please contact customer service team.
Indicators on user interface disappear	battery level is insufficient.	Please charge the display in time.
	The panel is damaged or it's cable is loose.	Please contact customer service team.

14. Frequently Asked Questions

Q: Why there are many white bubbles in the water?
Normally for the first time use of the RO system, the water seems to have white bubbles in it, which is normal and totally drinkable. Because when water passes through the RO membrane, it also turns the air in the water into small molecular bubbles. The air can' t be released at that time because of the pressure in the RO system. However, when you turn on the tap to get a cup of water, the pressure of air is released. So you will see a huge number of bubbles in the water. it looks cloudy and white, but they are just bubbles. After you put the water still for a while, all bubbles will be gone, the water is totally good for drinking.

Q: Why TDS is higher at the beginning, but back to normal range after about one minute?
Osmosis is a natural phenomenon that occurs in all RO systems, whether conventional or tankless. When the RO system starts, the natural osmotic pressure is overcome by the system’s unique design, allowing feed water to pass through the RO membrane and remove impurities. When the system stops, the absence of external pressure means a small fraction of ions may temporarily cross the membrane due to concentration differences, causing a slight TDS increase.
Even if the TDS is initially slightly higher, the water quality remains far superior to other filtration methods (carbon, KDF, ceramic, UF, UV, etc.). The water is safe to drink immediately—no need to wait—as the system never releases harmful substances. The M800 maintains a 94–95% TDS removal rate; if the input TDS is high, the output will reflect this proportionally.

Q: How does the TDS display on the Machine work?
When the system is running, the TDS sensor in the M800 will keep testing the water quality every 30 seconds. Therefore, the TDS result you see from the machine is from the last test memory. If you want to have the real-time TDS result, please let the machine run for about 30 seconds.

Q: Why the system does not work after connecting the water pipes.
Maybe you did not open the cold water valve or did not open the RO faucet

Q: Why there is difference between the TDS Reading Tested by the TDS Meter and the Displayed Reading?
The reading tested by the TDS Meter is the TDS of static water in the container while the TDS reading displayed by the system is the TDS of flowing water. As a result, the TDS readings are different. Or there are errors in the TDS Meter tests.

15. Limited Product Warranty

ONE YEAR LIMITED SPRYNG WARRANTY
The M800 Spryng Essential under sink reverse osmosis units are warranted to the original purchaser. To be free of defects in material and workmanship by

ONE YEAR LIMITED SPRYNG WARRANTY
The M800 Spryng Essential under sink reverse osmosis units are warranted to the original purchaser. To be free of defects in material and workmanship by Spryng, Spryng will replace or repair components of the unit that Spryng has deemed to be broken within the limits of the warranty without charge. The customer is not responsible for any freight involved with shipping the item back for inspection and shipment of replacement items. Spryng is not liable for cost of removal, installation, transportation or any other charges in connection with a warranty claim.

1. Spryng is not liable for anything that we deem as abuse of the units, including but not limited to, misuse of product outside of intended use, equipment modifications. unauthorised repairs, improper installation, damage from freezing, hot water, fire or other acts of God outside of Spryng control.

This warranty will be void if defects occur due to failure to observe the following conditions:

- Incoming water to the the system cannot exceed 38°C.
- Do not use outdoors or in a location that is subjected to direct sunlight or freezing. This warranty will not be effective unless and until the Spryng is shown to have been used in accordance with the installation and maintenance instructions accompanying the product.
- The filter cartridges should be replaced in time according to the recommended replacement period.
- The plastic housings should be replaced every 18 months.

2. Filter Cartridges are considered as disposable items, thus are not covered by warranty.

3. Customer is responsible for proper operation, which includes complete and continual leak inspection.

- Most of the unit components are made of plastic and eventually can break or crack from stress.
- There are no other warranties which extend beyond what is described above.

To receive warranty service, please contact Spryng at **admin@spryng.co.za**

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