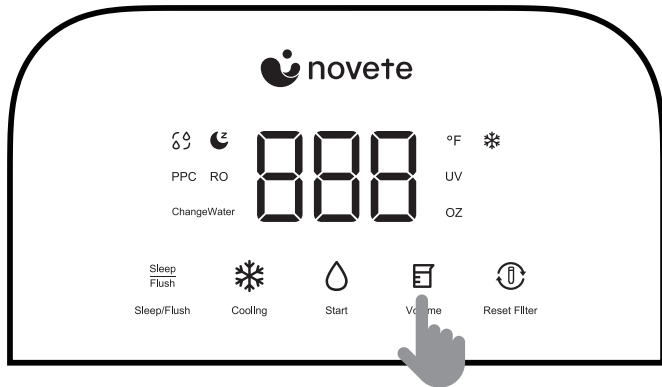


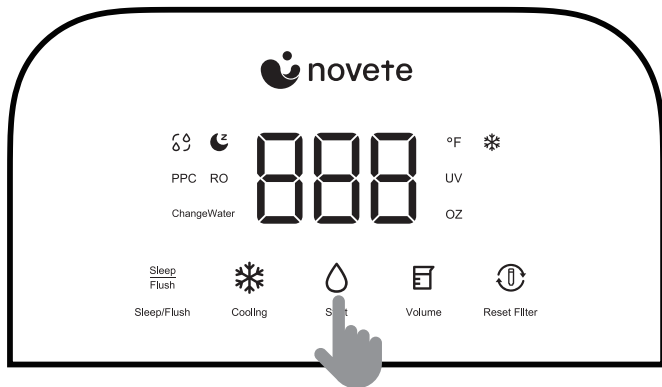
TIPS:

1. The device is set to the “999 oz (continuous water flow)” mode by default when shipped.
2. The device remembers the last selected water volume setting.



4.2.2 Ambient Temperature Water Dispense

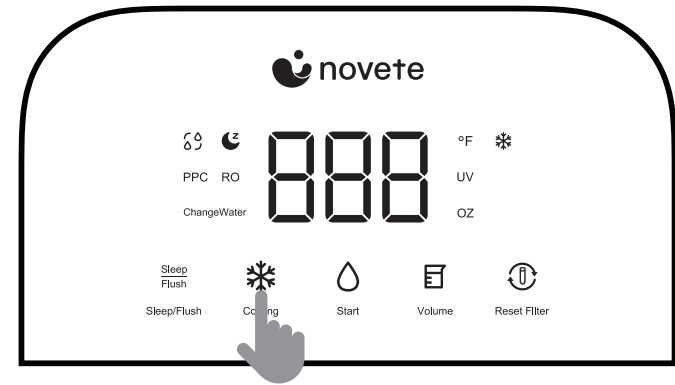
1. A short press of [Volume] Button will cause the button icon to flash, and water will begin to flow at the selected volume level.
2. During water dispensing, short pressing any button or reaching the preset volume will stop the water flow, and [Volume] Button will remain steady.



4.2.3 Cooling Water Dispense

1. When [Cooling] Button lights up red, it indicates that the cooling water has not yet reached the preset temperature. A short press of [Cooling] Button will trigger two beeps and two flashes of the button light, and cooling water output will be disabled.
2. When [Cooling] Button lights up white, it indicates that the cooling water has reached the preset temperature. A short press of [Cooling] Button will dispense cooling water.

3. During water dispensing, short pressing any button or reaching the preset volume will stop the water flow, and the [Cooling] Button will remain steady.



TIPS:

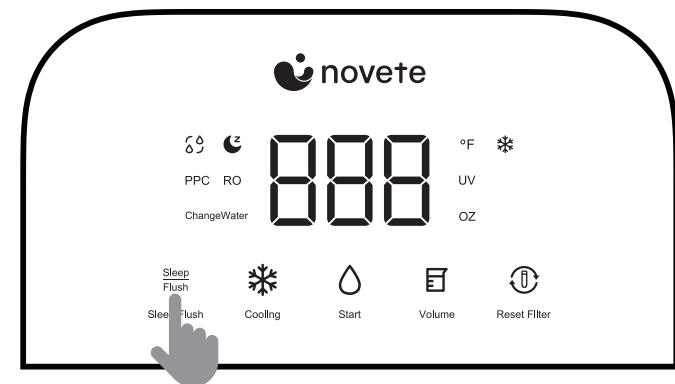
1. This product features a tankless design, delivering real-time water cooling and instant dispensing.
2. To prevent hygiene issues associated with uncleanable internal tanks, the system utilizes direct-pipe chilling. (Note: Output water temperature is not fixed and will gradually rise during operation.)
3. Chilling performance is affected by source water temperature, ambient temperature, and atmospheric pressure. Output water temperature may be slightly higher when operating in high-temperature environments.

4.2.4 Flushing Function Settings

1. A short press of [Sleep/Flush] Button will start or exit the manual flushing function.
2. A long press of [Sleep/Flush] Button for 3 seconds will turn the sleep mode on or off.

TIPS:

1. If the source water tank is removed or runs dry during the flushing process, the flushing will cease immediately.
2. When the machine is in automatic flushing mode and the water dispensing function is activated, the machine will immediately stop flushing and start dispensing water; after dispensing stops, flushing will resume and complete.



4.2.5 Manual Flushing Function Introduction

1. A short press of  Button will start manual flushing, and the flushing mode will automatically exit after completion.
2. During flushing, pressing  Button again will exit the current flushing state. Water dispense cannot be started during flushing. If water dispense is triggered, the buzzer will beep twice, and the action will be rejected.

4.2.6 Automatic Flushing Function

1. If no water is dispensed for 12 hours, the device will flush automatically.
2. After every 68 oz (2 L) of water dispense, the device will automatically flush once after the current water output is finished.

NOTE: The automatic flushing cannot be performed in sleep mode. It will only execute once the sleep mode is exited.

4.2.7 ChangeWater Flushing Function

After detecting that the source water tank has been successfully replaced, the device will automatically flush once.

4.2.8 New Machine Flushing Function

1. After restoring factory settings or successfully resetting the RO filter lifespan calculation, the machine will automatically enter the new machine flushing mode.
2. The display screen only shows “---” and  icons.
3. During the new machine flushing process, follow the ChangeWater icon to remove the water tank and replace the source water until the flushing is complete.
4. The new machine flushing mode requires approximately 3 to 4 tanks of source water to be replaced. After completion, the machine will exit the new machine flushing mode automatically, and the device will be ready for use.

TIPS:

1. If water shortage or water tank displacement occurs during flushing, the device will automatically pause the flushing process.
2. Once the water tank is refilled and reinstalled, flushing will automatically continue.
3. Water dispense cannot be activated during the new machine flushing process.
4. To exit the new machine flushing mode early, press and hold both  and  buttons simultaneously for 5 seconds to exit the mode.

4.2.9 Sleep Mode Settings

1. A short press of  Button will start or exit the manual flushing function.
2. A long press of  Button for 3 seconds will turn sleep mode on or off.

TIPS:

1. Once sleep mode is activated, the device will operate in a recurring “8 hours sleep – 16 hours non-sleep” cycle until sleep mode is manually deactivated. During the first 8 hours, the sleep mode icon stays steadily lit in blue while the compressor cooling gradually powers down. Over the next 16 hours, the icon turns white and remains steadily lit as the compressor cooling function returns to normal.
2. After exiting sleep mode, the sleep mode icon turns off. The compressor cooling function then operates automatically 24 hours a day.
3. The main purpose of Sleep Mode is to reduce power consumption and minimize noise to avoid disturbing sleep. While in sleep mode, the following will occur:
 - A. The buzzer will be muted.
 - B. The cooling function will be turned off.

C. The water dispense ambient light will be turned off.

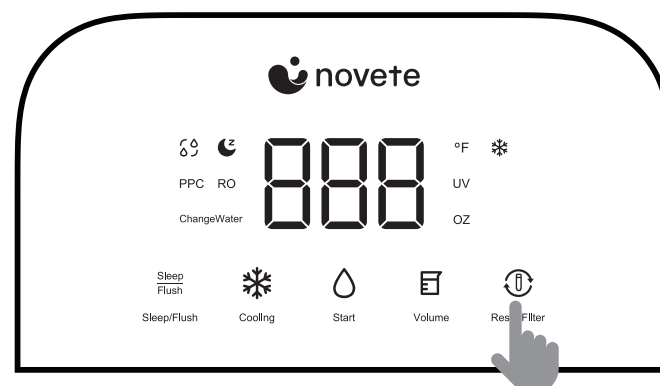


4.2.10 Filter Lifespan and Reset

1. Short press the  Button to cycle through the filter lifespan icons in the order: PPC → RO → PPC. The selected filter icon will flash, while unselected icons remain off.
2. After selecting the desired filter icon, press and hold the  Button for 3 seconds. A 2-second buzzer will confirm the reset, and the corresponding icon will turn solid white, indicating the filter lifespan calculation has been reset.
3. During the filters reset process, if no further action is taken or another button is pressed, the device will automatically exit the filter reset mode.

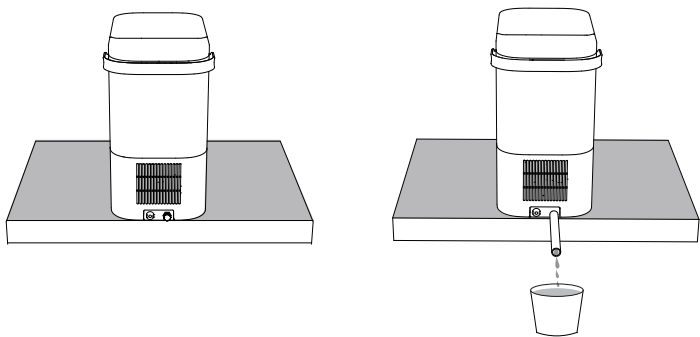
NOTES:

1. Be sure to install the filter in the correct position.
2. When the filter lifespan is normal, the icon remains steadily lit in white.
3. When the filter lifespan is ≤ 5%, the icon flashes red. It is recommended to purchase a new filter in time.
4. When the filter lifespan reaches 0%, the icon remains steadily lit in red. Please replace the filter immediately.
5. The filter lifespan is calculated based on both water output and powered-on time, with priority given to whichever reaches the limit first.



4.3 Daily Maintenance of the Device

- If you do not use the device for an extended period or need to transport it over a long distance, please follow the instructions below to drain the water inside the device.
- 1. Empty the remaining water in the source water tank.
 - 2. Unplug the device and then plug it back in, and within 10 seconds, simultaneously press and hold  +  +  +  buttons for 5 seconds. The display will blink, and the machine will enter drain mode.
 - 3. Move the machine, ensuring that the cooling water drainage hole at the back of the machine is near the edge of the table or the edge of the sink.



- 4. Unscrew the drainage plug at the back of the machine, attach the drainage pipe, and drain the cooling water from inside the machine.
- 5. Repeat steps one through four above at least twice to drain all the water from inside the device.
- 6. Remove the filter from the device, drain the water inside the filter, and then store the filter in the refrigerator's cooling compartment until you use it again.

- TIPS:**
- 1. To ensure proper use of the device, please use municipal water; do not use untreated well water.
 - 2. After the device reminds you to change the water, be sure to empty the source water tank and refill it with fresh tap water. Reusing filtered wastewater will shorten the lifespan of the device and the filter.
 - 3. Exposure to direct sunlight may cause algae growth in the source water tank. To prevent this, place the device away from direct sunlight and clean the source water tank weekly.
 - 4. The device is equipped with a compressor-based cooling system, and the heat exhaust vents may become warm during operation, which is normal.
 - 5. This product uses a design with no internal water storage tank and a tube-based cooling system, which helps avoid the issue of an uncleanable internal pure water tank. However, when dispensing cold water, the temperature of the ice water will increase as the water output increases.

5 Technical Specifications

Product Name	Reverse Osmosis Water Filtration System
Product Model	CRF0A-QS (White) / CRF1A-QS (Black)
Applicable Water	Municipal Tap Water
Feed Water TDS Level	< 500 ppm
Applicable Water Temperature	41-100°F (5-38°C)
Environmental Temperature	40-104°F (4-40°C)
Atmospheric Pressure	86-106 kPa
Rated Voltage/Frequency	120 V ~/60 Hz
Rated Current	1.6 A
Rated Power	192 W
Refrigerant	R600a/0.74 oz (21 g)
Product Net Weight	32.2 lbs (14.6 kg)
Product Dimensions	L18.11 × W9.84 × H15.75 in (460 × 250 × 400 mm)

6 Troubleshooting & FAQ

6.1 Troubleshooting

NO.	Device Display Codes	Fault Type	Remark
1	N/A	Clear fault.	Power on device self-test, clear fault (no action required).
2	E1	Water output NTC fault.	Power on again, if the fault persists, check if the plug is loose, and replace the water output NTC.
3	E2	Ambient temperature NTC fault.	Power on again, if the fault persists, check if the plug is loose, and replace the ambient temperature NTC.
4	E3	Cooling NTC fault.	Power on again, if the fault persists, check if the plug is loose, and replace the cooling NTC.
5	E4	Flowmeter fault.	Check if the source water tank and filter are properly installed, and ensure the filter is in the correct position. Check if the flow meter and reversing valve connectors are loose. After excluding these possibilities, replace the flow meter.

6	E5	Cooling high-temperature protection.	Check if the intake and exhaust vents are obstructed, if the fan operates during cooling, and whether there are any high-power heat sources nearby. After excluding these, unplug for 2 hours and power on again. If the fault persists, professional repair is required.
7	E6	Leakage fault.	Check if the device and joints are leaking water. After excluding these possibilities, if the fault persists, professional repair is required.
8	E7	Water pump fault.	Power on again. If the fault persists, check if the plug is loose and replace the water pump.
9	E8	UV lamp fault.	Power on again. If the fault persists, check if the plug is loose and replace the UV light.
10	E9	Cooling Water NTC fault.	Power on again, if the fault persists, check if the plug is loose, and replace the Cooling Water NTC.
11	H1	Water production timeout protection.	Power on again. If the fault persists, check if the water tank supply is normal.
12	H2	Purified water expiry reminder.	The device has been powered on for more than 7 days without water output operation.
13	ChangeWater Flashing.	Need to replace source water.	The water tank is empty or the source water's TDS value is too high. Please empty the water tank, refill it, and reinstall it.
14	Display not lit.	Device failed to power on.	Check if the power cord or plug is loose to ensure the device can power on normally.
			After ruling out the plug issue, it could be that the internal wiring is loose or the display screen is damaged, requiring professional repair.
15	Touch buttons unresponsive.	Buttons unresponsive.	The operator's hands are wet or the touch area is too small to trigger the signal. Wipe your hands dry and try again.
			The key operation doesn't return to normal after restarting the device, which may be due to poor contact in the button's internal spring. This situation requires professional repair.

16	Cannot make water.	Device not producing water.	If using well water as the water source, please ensure the water passes through the pre-filter system, otherwise, large particles in the well water may clog the filter.
			Check if the water level in the tank is sufficient.
			Check if the pressure pump is working properly.
			Check if the filter is correctly installed.
17	After powering on, there is a burning smell, and the device does not turn on.	Device won't start.	The device may be short-circuited, please immediately disconnect the power. This situation requires professional repair.
18	Fan noise.	Fan making noise.	Check if the ventilation openings on the side of the device are blocked by foreign objects.
19	Compressor not starting after power-up.	Compressor won't start.	When the device is in sleep mode, the compressor does not work; manual operation is required to turn off sleep mode.
			After moving the machine, it needs to be left for 4-8 hours before powering it on to prevent the compressor from seizing.
			Check if the compressor control wires are loose; this situation requires professional repair.
			The starter and relay are faulty; this situation requires professional repair.
			Thermostat malfunction/failure; this situation requires professional repair.