

Descaling Kit

Introduction

The Sans RO Countertop Water Purifier requires descaling to ensure longevity and maintain optimal performance. Descaling the unit prevents scale, or mineral buildup, which can reduce or completely block water flow.

In areas with normal water conditions this is recommended monthly, however in areas with hard water more frequent descaling may be required

When to descale

1. Descaling is needed to avoid pump/motor damage and maintain an optimal flow of water.
2. It is recommended to descale the machine once per month (more frequently in areas with hard water) or if any of the following issues present themselves:
 - A. Increased filtration time/slower dispense rate
 - B. Increased noise from the pump and/or motor
3. No water being dispensed

Important

Keep Away From Children/Pets

Ensure the descaling powder, solution and machine are kept away from children and pets to prevent accidental ingestion, other safety risks and damage to the machine.

Follow The Instructions

Strictly adhere to the step-by-step instructions provided to avoid any mishaps or damage to the machine.

Avoid Excessive Force

When removing and installing filters avoid using excessive force which could damage the filters and/or the machine.

Instructions

1. Prepare 3 liters of pure water and fully drain the machine:

- A. Collect 100 fl oz (2 full pitchers) of pure water from the machine and store in a separate container.
- B. Remove the tap water tank and dispense water until no more water is dispensed. Then press the hot button and dispense button allowing hot water to drain for about five seconds or until no more water dispenses.
- C. Unplug the machine.

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Temperature Check

When indicated, use warm water (max. 122 degrees Fahrenheit), avoid boiling water to prevent damage.

Proper Disposal

Dispose of descaling solution safely as it may harm plants and aquatic life.

Clean Thoroughly

After the descaling process, clean the tank, pitcher and pitcher lid to ensure water quality and taste.

Wear Protective Gear

To protect your skin and eyes from potential contact with the descaling powder and solution, it is recommended to wear gloves and safety goggles during the descaling process.

Keep Out Of Eyes

Be sure to keep the descaling powder and solution away from your eyes. Wash your hands before rubbing or touching your eyes after handling the descaling powder and solution to avoid injury.

Tap water tank preparation

Before starting the descaling process make sure the tap water tank is clean and free of any hard water deposits.

It is important to keep the tank clean as scale deposits can break loose as small flakes and block the system. We recommend thoroughly cleaning the tap water tank weekly with warm soapy water.

For easy removal of deposits or hard water spots, soak the tank in a solution of warm water and one packet of Sans Descaling Powder until the deposits have dissolved and then wash clean.

Instructions (continued)

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1. Prepare the descaling solution:

- A. Fill the tap water tank with lukewarm water.
- B. Add one packet of Sans Descaling Powder and stir thoroughly.

2. Replace the PPC, RO and VOC filters with their respective descaling filters:

- A. Link to filter replacement: <https://drive.google.com/file/d/1nlzfmBkpQt11Q3QkHcQ9CSJHdYYNqrWC/view>
- B. Descal the internal tank:

3. Return the tap water tank with the descaling solution to the machine.

- A. Plug the machine back in and let it sit for 3 minutes to ensure the internal tank is full.

4. Descal the remaining piping and drain the machine:

- A. Return the pitcher to the drip tray and allow the auto-fill feature to fill the pitcher completely. Dispose of the pitcher contents and repeat this step until no more water is dispensed.
- B. Remove the tap water tank and dispense water until nothing else comes out. Then press the hot button and dispense button allowing hot water to drain for about five seconds or until no more water dispenses.
- C. Unplug the machine and remove the pitcher.

5. Remove and discard any descaling solution:

- A. Remove the tap water tank, dispose of the contents and rinse the tank.
- B. Remove the descaling filters and drain the descaling solution out of each filter.
- C. Re-install the descaling filters.

6. Clean and flush with pure water:

- A. Fill the tap water tank with the 3 liters of pure water previously set aside, re-insert the tank and plug in the machine.
- B. Return the pitcher to the drip tray and allow the auto-fill feature to fill the pitcher completely. Dispose of the pitcher contents and repeat this step until no more water is dispensed.
- C. Remove the tap water tank and dispense water until nothing else comes out. Then press the hot button and dispense button allowing hot water to drain for about five seconds or until no more water dispenses.
- D. Unplug the machine and remove the pitcher.

7. Replace the original filters and prepare for the final flushing:

- A. Remove the descaling filters and replace the original filters back in the machine. The descaling filters can be emptied, dried and stored for future use.
- B. Empty and rinse the tap water tank and fill it with new tap water. Plug the machine back in.
- C. Re-insert the tap water tank and wait two minutes to allow the internal tank to fill.

8. Flush the machine fully with four tanks of fresh tap water:

- A. Return the pitcher to the drip tray and allow the machine to auto-dispense until the pitcher is full.
- B. Discard the contents of the pitcher and return it to the machine.
- C. Repeat these steps until one full tank of tap water has been flushed through the machine.
- D. Remove the tap water tank, and dispense water until nothing else comes out.
- E. Press the hot button and dispense button allowing hot water to drain for about five seconds or until no more water dispenses. Discard the waste water.
- F. Flush 3 more complete tanks of fresh tap water (you do not need to repeat the hot water step), be sure to discard all the water.
- G. Wash the tap water tank, pitcher and pitcher lid.

9. Resume drinking water and normal operation:

- A. After following the above descaling steps and completely flushing the descaling solution from the machine normal operation and drinking can resume.
- B. If the water tastes sour, flush the machine with one more tank of fresh tap water.