

SoClean[®] 3+

SINGLE USER

CPAP Hose & Mask Bacterial Reduction System



FOR USE WITH:

ResMed Mirage™ FX and ResMed AirFit™ P10 Masks
ResMed SlimLine™ Tubing and ResMed ClimateLineAir™
for ResMed AirSense™ 10

USER MANUAL

SC1450



THANK YOU FOR CHOOSING SOCLEAN!

We hope you enjoy making SoClean 3+ part of your daily maintenance routine.

If you are setting up your SoClean 3+ for the first time, see the Setup Guide.

As of the date of manufacture, this product has a shelf-life of 6 months. As a newly FDA cleared product, the use-life and shelf-life of this product is continually being expanded. Please go to SoClean.com/shelf-use-life or call Customer Care at 866-501-3705 for current, up to date information on use-life and shelf-life and extensions to those dates.

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Overview

Indications for Use, Contraindications, and Specifications

Intended Use

The SoClean 3+ device is intended to be used as an adjunct to reduce bacterial populations on certain compatible home use CPAP mask and ventilation hoses after cleaning. An in vitro 3-log (99.9%) bacterial reduction by SoClean 3+ has been demonstrated for the following bacteria: *Staphylococcus aureus* (ATCC 6538), *Klebsiella aerogenes* (ATCC 13048), *Staphylococcus haemolyticus* (ATCC 29970), *Escherichia coli* (ATCC 11229), *Staphylococcus hominis* (ATCC 27844), *Klebsiella pneumoniae* (ATCC 4352), *Pseudomonas aeruginosa* (ATCC 15442), and *Streptococcus pyogenes* (ATCC 14289) after a complete processing cycle. Any correlation between in vitro results and clinical outcome has not been established.

Indications for Use

The SoClean 3+ bacterial reduction device is an over-the-counter device for single patient home use. This device must not be used to replace the cleaning procedures as recommended by the CPAP mask and hose manufacturers. SoClean 3+ has been tested for use with ResMed Mirage™ FX (nasal mask), ResMed AirFit™ P10 (mask), ResMed ClimateLineAir™ (tubing), and ResMed SlimLine™ (tubing) for ResMed AirSense™ 10 CPAP device. The safe use of SoClean 3+ with any other respiratory devices or accessories has not been established.

Contraindications for Use

Persons with underlying lung diseases, such as asthma and chronic obstructive pulmonary disease (also known as COPD, which includes emphysema and chronic bronchitis), and those with cardiovascular disease may be sensitive to ozone and should consult with their health care professional before using this product. Safety in pregnant or breastfeeding women and children under the age of 22 have not been established. Consult with your health care professional before using this product.

Read this instruction manual before operating this device.

Your SoClean 3+ should be used only according to the procedures described in this manual. If it is used in a manner not specified by SoClean, the safety protection provided by the equipment may be impaired.

Essential Performance

The essential performance of the SoClean 3+ is defined as running a bacterial reduction cycle, following one of a set of prescribed profiles of ozone generation, humidity, and air flow, when the CPAP mask is properly inserted into the device and cycle is initiated by the user, resulting in a successful bacterial reduction cycle, or returning the device to an ozone safe state if interrupted. The environment at the output of the fan must not exceed an ozone level of 0.05ppm at 12 inches at any point during the bacterial reduction cycle.

Should a bacterial reduction cycle be interrupted due to an error, such as CPAP mask removal, the device is automatically returned to an ozone safe state. Following this the device is expected to be able to perform subsequent bacterial reduction cycles after returning to its idle state.

All specified SC3+ service and maintenance should be performed as required to maintain the essential performance of the device.

Specifications

Model Number SC1450

Operating Environmental Conditions

Indoor use only.

Temperature: 50°F to 90°F (10°C to 32°C)

Relative Humidity: 15% to 65%

Altitude: sea level to 8,500' (2,591 m);

Air Pressure Range 101.3 kPa to 73.8 kPa

Physical Characteristics

Dimensions: 12.4" x 7.16" x 7.52"

(315 x 182 x 191 mm)

Weight: 5.1 lbs. (2.3 kg)

Cord Length: 4' (1.2 m)

Electrical Characteristics

AC Adapter Input: AC 100~240V, 50/60Hz, 0.5-0.2A

AC Adapter Output: DC 12.0V, 1.5A Max

Power Consumption: 18W Max

Insulation Safety Level: 2MOPP

Storage and Transport Conditions

Temperature: -4°F to 131°F (-20°C to +55°C)

Humidity: 15% to 95% non-condensing humidity

Pressure: 101.3kPa to 70kPa

[Sea level to 10,000' (3048m)]

Bacterial Reduction Cycle

90 minutes

Ozone Concentration

315ppm maximum from ozone generator

Electromagnetic Compatibility

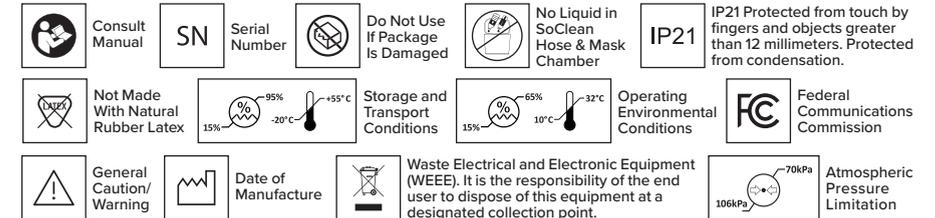
The SoClean 3+ complies with all applicable electromagnetic compatibility requirements (EMC) according to IEC 60601-1-2:2014, for residential, commercial, and light industry environments.

If electrical interference is suspected during operation, contact SoClean Customer Care.

Ozone Leakage

The SoClean 3+ meets 21 C.F.R. § 801.415 for the maximum allowable ozone accumulation of not more than 0.05 parts per million when operated in a room larger than 70 square feet with 8-foot or higher ceilings.

Packaging Symbols



DISPOSAL INFORMATION: Safe disposal of the device: Follow the local, state, and national governing ordinances and recycling instructions regarding disposal or recycling of the device and device components at the end of the expected service life.

EMC Standards Compliance

The SC3+ was tested and found compliant with the standards provided within Appendix. The device is suitable for use in domestic and home healthcare environment.

Cybersecurity

If a user becomes aware of, or suspects any cybersecurity events, they should immediately contact support.

Configuration, Backup and Update Processes

Software configuration, software backup and restore processes shall only be performed by company technicians. Please contact support for further information.

Software Bill of Materials (SBOM), Architecture and Ports

The Software Bill Of Materials (SBOM), architectural diagrams and configuration information may be available for certain customers. Please contact support for further information.

COORDINATED VULNERABILITY DISCLOSURE PROCESS

- When a vulnerability is determined to be uncontrolled, the company discloses it by releasing an advisory to affected stakeholders, specifically to all affected patients.
- The disclosure of the vulnerability and its remediation is done at a specific scheduled UTC date and time.
- The disclosure information is published on the company website.
- In the event of a critical update, users are directly notified via email or phone.

Following is the information disclosed:

- Overview of the identified vulnerability, its nature, potential impact, affected devices and SW versions.
- Actions taken to mitigate the vulnerability
- Risk assessment of vulnerability, outlining the potential risks to patient safety, data integrity, and overall device functionality if any.
- Disclosure provides clear and concise guidance to end-users on any immediate actions they need to take to minimize potential risks associated with the vulnerability.
- Any message includes official communication channels to the company including point of contact as follows:
 - Email addresses
 - Customer service

END OF LIFE

At the end of support, the company may no longer be able to reasonably provide security patches or software updates. If the device remains in service following the end of support, the company will communicate through the coordinated vulnerability disclosure the potential cybersecurity risks that can be expected to increase over time.

Notices

FCC Notice Part 15:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult SoClean Customer Care for help.

⚠ FCC CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

⚠ CAUTION: This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with the FCC and IC RF exposure guidelines, place the unit at least 20 cm away from nearby persons.

Precautions

⚠ CAUTION: Do not place any flammable or ignitable items on top of your SoClean 3+. Do not use in explosive air environments, oxygen-rich environments, near gas vapors, or other flammable agents, etc.

⚠ CAUTION: Discontinue use of your SoClean 3+, consult your health care professional, and contact SoClean Customer Care if acne or a rash develops along the mask contact line.

⚠ CAUTION: Ensure all hoses are free of kinks prior to operating the SoClean 3+.

⚠ CAUTION: Rest the flexible part of the CPAP hose, not the rigid mask connector, in the Hose Slot to ensure a proper seal.

⚠ CAUTION: Inspect your SoClean 3+ Lid and Hose Gaskets for visible damage before operating a SoClean 3+ Cycle.

⚠ CAUTION: Do not share a SoClean 3+ between CPAP users. Your SoClean 3+ is designed for only one user and a single CPAP mask and hose at a time.

⚠ CAUTION: In the event of loss of power, rerun the entire SoClean 3+ Cycle to make sure the sleep equipment hose and mask have been maintained properly.

⚠ CAUTION: Wash your CPAP hose and mask according to the manufacturer's recommended method and interval. Use your SoClean 3+ as an adjunct to reduce bacterial populations on certain compatible home use CPAP mask and ventilation hoses after cleaning.

⚠ CAUTION: Do not use incompatible materials in the SoClean 3+ such as memory foam, natural rubber, or nylon. Headgear often contains incompatible materials for your SoClean 3+. Remove headgear before placing mask in Hose & Mask Chamber. SoClean 3+ has been tested for use with ResMed Mirage™ FX (nasal mask), ResMed AirFit™ P10 (mask), ResMed ClimateLineAir™ (tubing), and ResMed SlimLine™ (tubing) for ResMed AirSense™ 10 CPAP device. The safe use of SoClean 3+ with any other respiratory devices or accessories has not been established. For a complete list of compatible accessories, please visit SoClean.com/compatible-accessories.

⚠ CAUTION: Ensure there are no obstructions to the filter exhaust. Keep the area behind your SoClean 3+ clear of clutter and soft objects.

Warnings

⚠ WARNING: Discontinue use and call your health care professional in the event that you experience any respiratory or cardiac symptoms.

⚠ WARNING: Keep away from children. Small parts contained in your device and its accessories may present a choking hazard to small children.

⚠ WARNING: When operating your SoClean 3+ per the instructions for use, if there is a noticeable scent of ozone or other unfamiliar odor or you experience headache, cough, or shortness of breath, leave the room for 4 hours from when your SoClean 3+ Cycle began. Discontinue use of the SoClean 3+. Contact SoClean Customer Care before running your machine again.

⚠ WARNING: If after repeated use of your SoClean 3+, you experience headaches/migraines, or symptoms such as cough or discomfort in your nose or throat, discontinue use and call your health care provider.

⚠ WARNING: Do not forcibly open your SoClean 3+ Lid before the Cycle completes.

⚠ WARNING: If the SoClean 3+ detects an internal error during the SoClean 3+ Cycle, it will terminate the Cycle and enter a locked state for a duration of two hours. This can not be overridden. Do not unplug the device. It is recommended that you keep a spare hose and mask on hand in the event that the device detects an error, and you are unable to remove your hose and mask from the SoClean 3+ in a timely manner.

⚠ WARNING: The SoClean 3+ should only be run with the Filter Door and Humidifier Drawer fully closed. The Filter Door and Humidifier Drawer should never be opened while a Cycle is running.

⚠ WARNING: Do not submerge your SoClean 3+ in water or use chemical cleaners on or in your SoClean 3+. Keep away from water sources, including rain, bathtubs, sinks, and pools. To clean, wipe inside and outside with a damp cloth or unscented CPAP wipes.

⚠ WARNING: Do not put liquids into your SoClean 3+ Hose & Mask Chamber.

⚠ WARNING: Do not disassemble or modify your SoClean 3+ or accessories.

⚠ WARNING: If your SoClean 3+ system is dropped, it may become damaged. Regularly inspect your SoClean 3+ for physical damage, such as cracks or broken structure, damaged gaskets, and cracks in the CPAP hose. Discontinue use if damage is detected and contact SoClean for assistance.

⚠ WARNING: Strangulation hazard. To avoid risk of tripping or strangulation, place your SoClean 3+ along with all cords, and hoses out of the way of any area you may walk.

⚠ WARNING: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

⚠ WARNING: Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

⚠ WARNING: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the SoClean 3+, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

⚠ WARNING: Do not disconnect your CPAP hose from the Hose Port while a SoClean 3+ Cycle is in progress.

Compatible Accessories



ResMed ClimateLineAir™



ResMed SlimLine™



ResMed Mirage™ FX



ResMed AirFit™ P10

For a complete list of compatible accessories, please visit:
[SoClean.com/compatible-accessories](https://www.soclean.com/compatible-accessories)

NOTE: The SoClean 3+ should be used as an adjunct to reduce bacterial populations on certain compatible home use CPAP mask and ventilation hoses after cleaning. While normal everyday use of CPAP hoses and masks may result in discoloration of these accessories over time, use of hoses and masks with the SoClean 3+ may impact discoloration of your hose or mask. Continued cleaning of your hose and mask as directed by the hose and mask manufacturer is important. The warranty provided for your CPAP accessories may be impacted when used with the SoClean 3+.

Learn About Ozone

How does my SoClean 3+ work?

SoClean 3+ uses humidified ozone. Ozone is contained within the system and is in contact with your CPAP hose and mask during the SoClean 3+ Cycle.

SoClean 3+ is designed to produce a sufficient level of ozone for optimal bacterial reduction of your CPAP hose and mask. The ozone bacterial reduction process only achieves full reduction after your CPAP hose and mask have been through at least five SoClean 3+ Cycles. The smell of ozone is detectable at low concentrations by some people and you may smell ozone briefly during the SoClean 3+ Cycle.

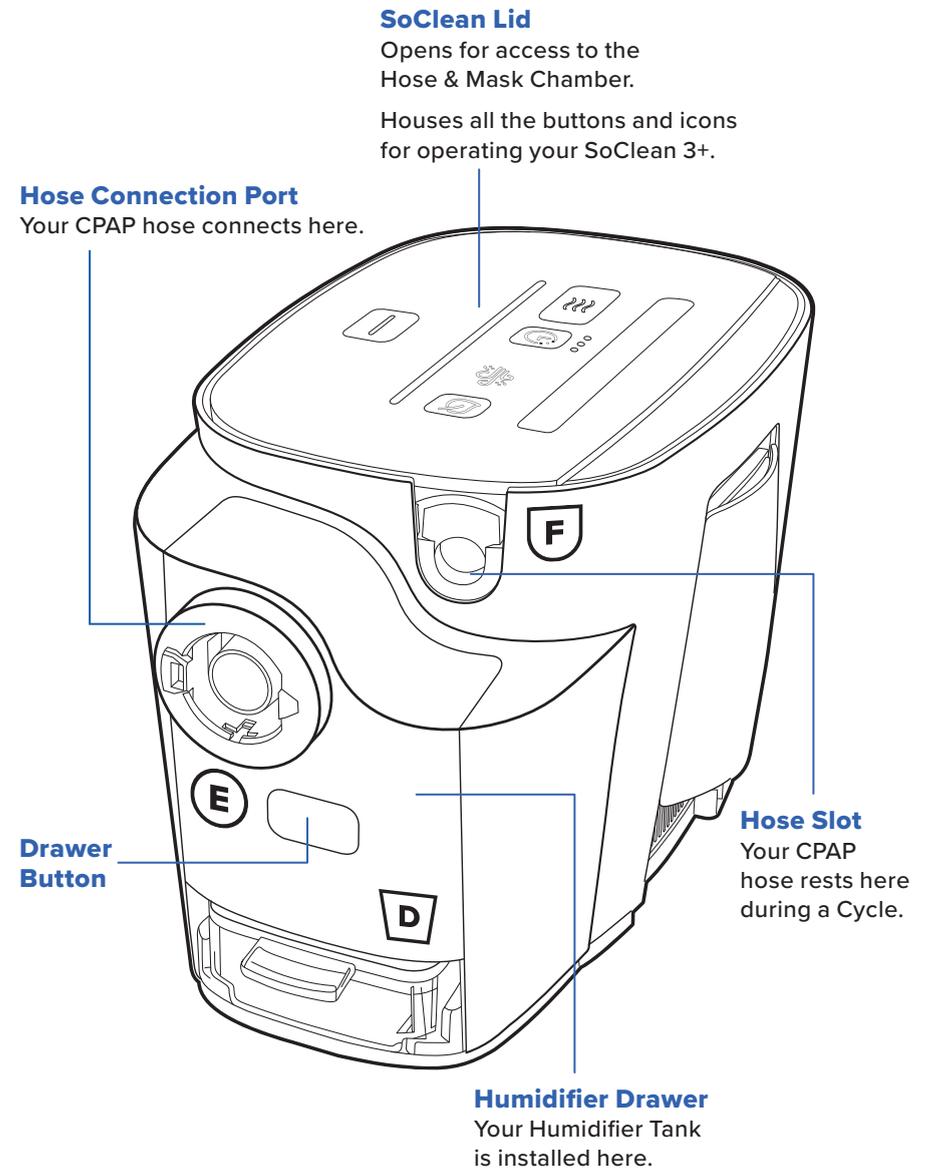
Ozone naturally breaks down into oxygen in a short amount of time. Your SoClean 3+ safely contains ozone within the system until it has converted back to oxygen. The Filter accelerates the process of converting ozone in your SoClean 3+ Hose & Mask Chamber and your CPAP hose and mask into fresh air before the completion of a SoClean 3+ Cycle.

- ⚠ **WARNING:** When operating your SoClean 3+ per the instructions for use, if there is a noticeable scent of ozone or other unfamiliar odor or you experience headache, cough, or shortness of breath, leave the room for 4 hours from when your SoClean 3+ Cycle began. Discontinue use of the SoClean 3+. Contact SoClean Customer Care before running your machine again.
- ⚠ **WARNING:** If after repeated use of your SoClean 3+, you experience headaches/migraines, or symptoms such as cough or discomfort in your nose or throat, discontinue use and call your health care provider.
- ⚠ **WARNING:** Discontinue use and call your health care provider if you experience any cardiopulmonary symptoms.
- ⚠ **WARNING:** If your SoClean 3+ system is dropped, it may become damaged. Regularly inspect your SoClean 3+ for physical damage, such as cracks or broken structure, damaged gaskets, and cracks in the CPAP hose. Discontinue use if damage is detected and contact SoClean for assistance.
- ⚠ **CAUTION:** Discontinue use of your SoClean 3+, consult your health care provider and contact SoClean Customer Care if acne or a rash develops along the mask contact line.

What's Included



Parts, Buttons, Icons & Lights



NOTE:
SoClean 3+ Lid can only be opened when the device is plugged in.

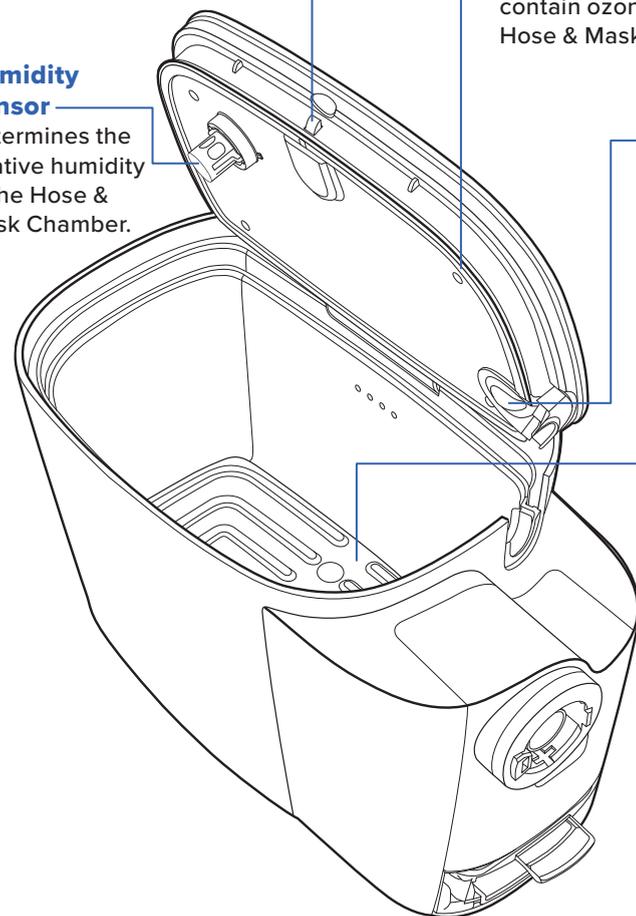
Humidity Sensor
Determines the relative humidity in the Hose & Mask Chamber.

Lid Latch
Keeps the Lid of your SoClean 3+ closed securely during the SoClean 3+ Cycle and Fresh Air Cycle.

Lid Gasket
Seals the Lid in order to contain ozone within the Hose & Mask Chamber.

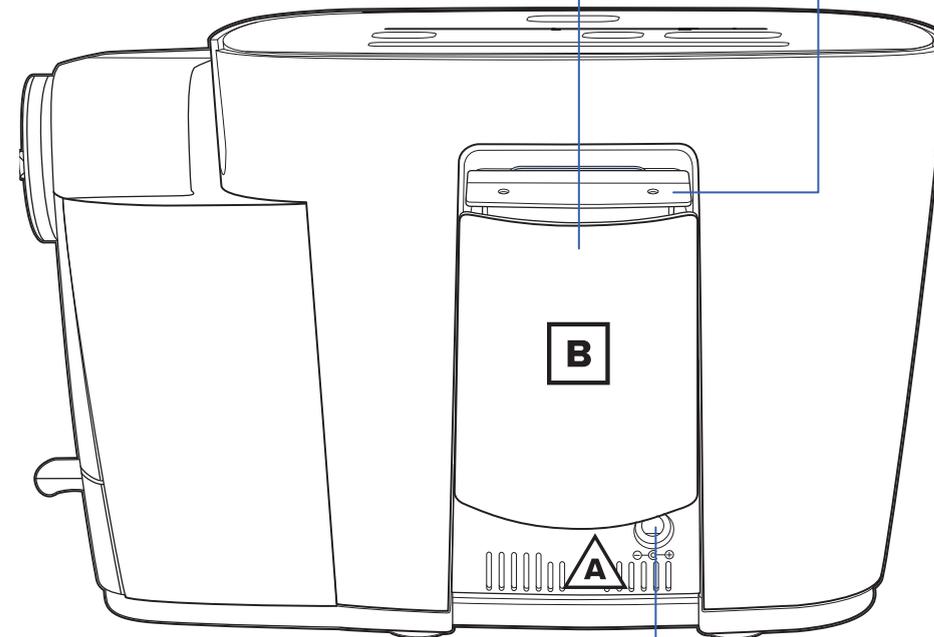
Hose Slot Detect
Your SoClean 3+ will only run when properly set up. A Cycle will not begin unless a CPAP hose is detected and your SoClean 3+ Lid is closed.

Hose & Mask Chamber
Your mask, while still connected to the hose, gets placed inside the Hose & Mask Chamber before running a Cycle. The inside of the Hose & Mask Chamber lights up to make it easier to see in low-light settings.



Filter
The Filter converts ozone back to oxygen as it leaves the Hose & Mask Chamber. Your SoClean 3+ reminds you when it needs replacement.

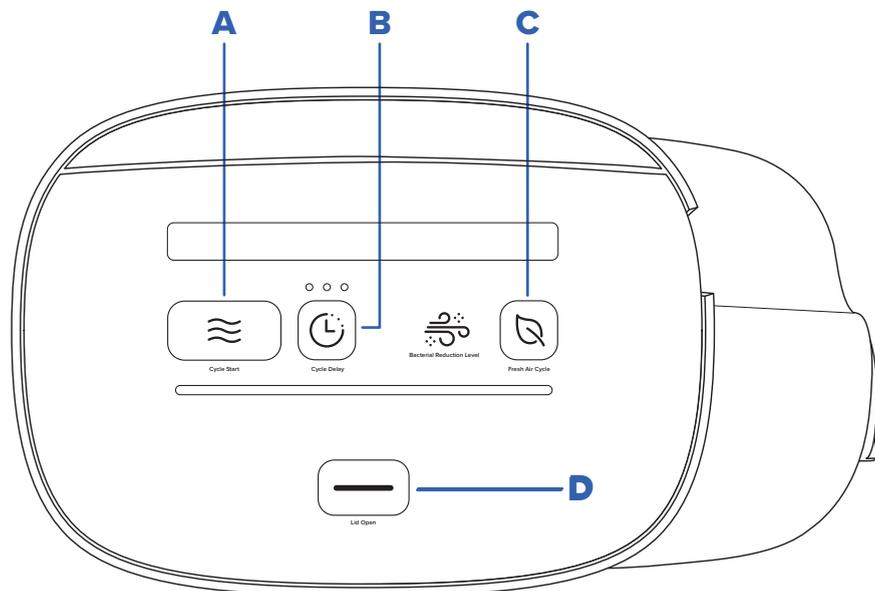
Filter Door
Your Filter goes in here. Your SoClean 3+ unit will not operate a Cycle if the Filter Door is open.



Power Input
The cable from the Power Supply provided with your SoClean 3+ plugs in here.

Buttons

There are 4 buttons on the Lid that are used to operate your SoClean 3+. Buttons illuminate **blue** when any one button is pressed to help with visibility in low-light conditions.



There is no power button on your SoClean 3+.

The SoClean 3+ enters a low-power “sleep” mode when not in use and fully powers when any button on the Lid is pushed.



Cycle Start Button

Push this button to immediately start the bacterial reduction process. The SoClean 3+ Cycle takes about 90 minutes to complete.

NOTE: Cycles cannot be run back to back without first disconnecting and reconnecting the CPAP Hose to the Hose Port.

Your hose must be connected to the Hose Port, and your mask and hose must be in your SoClean 3+ Chamber with the Lid closed to run any Cycle.



Cycle Delay Button

Use to set a 2, 4, or 8 hour delay to the start of your SoClean 3+ Cycle. See “Setting a Delayed Cycle Start” section for details.

NOTE: The system returns to the setting of **No Delay** after each use.



Fresh Air Cycle Button

Run air through the system to freshen your hose and mask by pressing this button. The Fresh Air Cycle takes about 5 minutes to complete. You can only run 3 Fresh Air Cycles in a row before you must run a SoClean 3+ Cycle.

NOTE: The Fresh Air Cycle does not reduce bacteria in your hose and mask.

Your hose must be connected to the Hose Port, and your mask and hose must be in your SoClean 3+ Chamber with the Lid closed to run any Cycle.



Lid Open Button

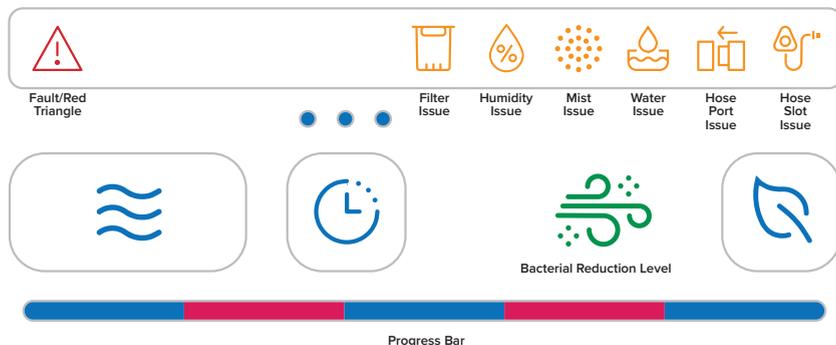
Opens your SoClean 3+ Lid when the device is connected to power. This button can also be used to cancel an active SoClean 3+ Cycle by pressing and holding for about 5 seconds.

NOTE: If canceling a Cycle, your SoClean 3+ Lid cannot be opened immediately. It will take about 15 minutes before the Bacterial Reduction Level Icon  lights up and you can open the SoClean 3+.

Indicator Icons

There are 8 indicator icons that light up to communicate with you. The indicator icons will light up if attention is needed.

The three round lights, Cycle Progress Bar and buttons also all light up.



Bacterial Reduction Level



Solid Green - Indicates that a SoClean 3+ Cycle is complete. Optimal bacterial reduction has been reached. Your SoClean 3+ Lid can be opened.



Solid Orange - Indicates that a SoClean 3+ Cycle is complete and your SoClean 3+ is safe to open. Your hose and mask are ready to use but may not have reached the optimal bacterial reduction level. If this occurs after your next SoClean 3+ Cycle, contact Customer Care.

Solid Orange and Fresh Air Cycle Button  are lit. Fresh Air Cycle is complete. The desired bacterial reduction level has not been achieved.

Solid Orange and Solid Red  - Call SoClean Customer Care.

Fault/Red Triangle



Solid Red - Indicates when your SoClean 3+ has detected an internal issue. See troubleshooting guide.

Filter Issue



Flashing Orange - Indicates that it is time to order a new Filter. From the time it begins to flash orange, you have 30 days or 30 uses (whichever comes first) to replace the Filter. You can still use your SoClean 3+ as normal.

Solid Orange - The Filter is missing. The Filter Door may be open. If a Filter is installed, check your filter door and open/close it securely.

Solid Orange + Solid Red  - The Filter is expired. The Filter must be replaced before another cycle can be run.



Humidity Issue

Flashing Orange - Indicates that there was an internal issue with Humidity during the Bacterial Reduction Cycle. You will see a Solid Orange Bacterial Reduction Level at the end of the cycle. Your tank may need more water or your wick may be missing. If this occurs after your next SoClean 3+ Cycle, contact Customer Care.

Solid Orange + Solid Red  - Call Customer Care.



Mist Issue

Flashing Orange - Indicates that there was an internal issue with Humidity during the Bacterial Reduction Cycle. You will see a Solid Orange Bacterial Reduction Level at the end of the cycle. Your tank may need more water or your wick may be missing. If this occurs after your next SoClean 3+ Cycle, contact Customer Care.

Solid Orange + Solid Red  - Call Customer Care.



Water Issue

Flashing Orange - Indicates that it is time to clean your Humidifier Tank and replace your Wick. See Tank maintenance instructions.

Solid Orange - Indicates that the Humidifier Tank is missing or the drawer is open. If the tank is installed, check the drawer by opening it and pressing it back down into place.

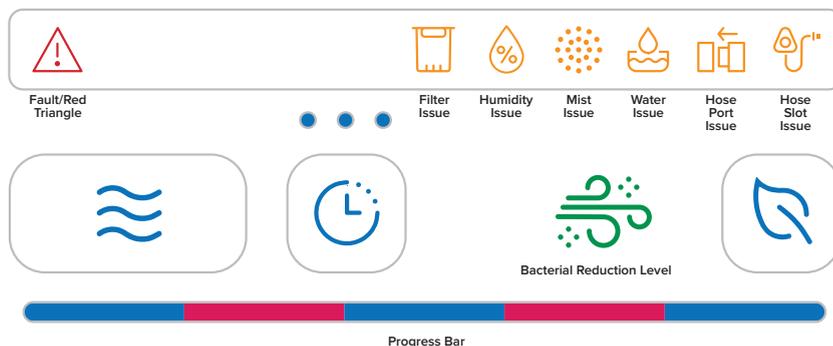


Hose Port Issue

Flashing Orange - Error detecting the hose. Disconnect and reconnect hose to Hose Connection Port.

Solid Orange - The hose is not connected to the Hose Connection Port.

Indicator Lights [Continued]



Hose Slot Issue



Flashing Orange - Error detecting the hose. Open and close SoClean Lid with hose and mask installed to continue.

Solid Orange - Indicates that your CPAP hose is not present or detected when your SoClean 3+ Lid is closed.

2, 4, 8 Hour Cycle Delay

○ ○ ○ Flashing Blue

Indicates that the Cycle Delay can be changed by pressing the **Cycle Delay** button . See “Setting a Delayed Cycle Start” section for details.

NOTE: Your hose and mask must be installed with the Lid closed to modify and activate the Cycle Delay.

Solid Blue

Indicates if a Cycle Delay has been programmed.

Three indicator lights are provided.

One light illuminated ●○○ = 2-hour delay selected

Two lights illuminated ●●○ = 4-hour delay selected

Three lights illuminated ●●● = 8-hour delay selected

No lights illuminated ○○○ = no cycle start delay selected (default)

Cycle Progress Bar



Progressive Blue

Gradually turns **blue** from left to right to show the progress of a SoClean 3+ Cycle or Fresh Air Cycle.



Flashing Blue

A Cycle cancellation is in progress.



Solid Red

Indicates that an active SoClean 3+ Cycle has been interrupted (example: temporary loss of power).

Setting Up Your SoClean 3+

SoClean 3+ is designed to be used by one user.

The SoClean 3+ should be used as an adjunct to reduce bacterial populations on certain compatible home use CPAP mask and ventilation hoses after cleaning.

You should not change or lessen the frequency of your hose and mask cleaning.

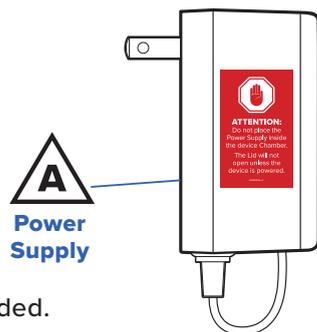


1 Power Your SoClean 3+

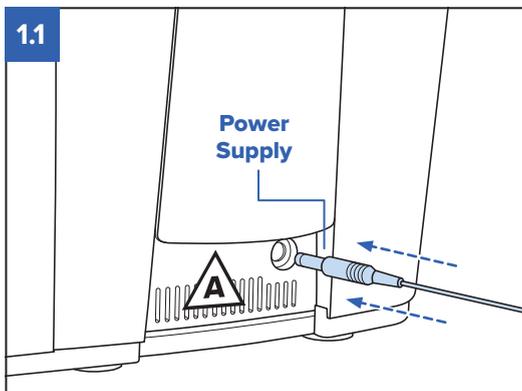
A **Power Supply** is provided to safely power your SoClean 3+.

Locate an electrical outlet in a well ventilated room.

It is okay to plug into a power strip, if needed.

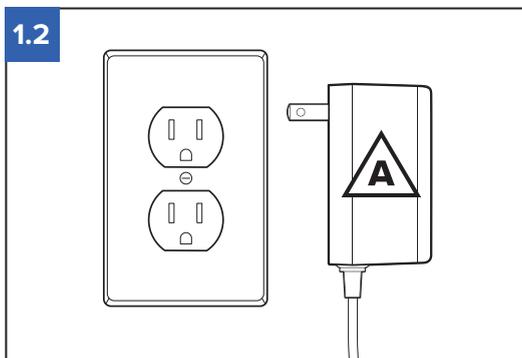


DO NOT place the Power Supply inside the Hose & Mask Chamber. The Lid will not open unless the SoClean 3+ is powered.



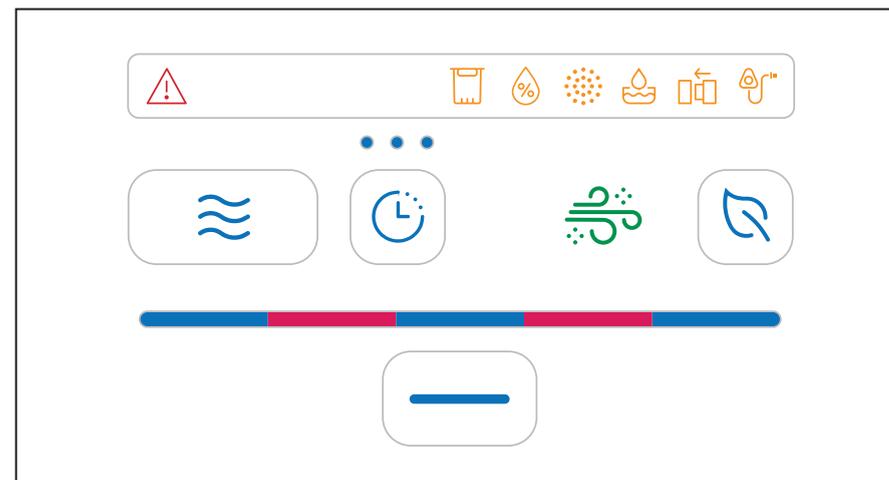
Connect **Power Supply** ⚠️ to the back of SoClean 3+ as shown.

WARNING: Avoid a tripping hazard.



Your SoClean 3+ is designed to remain powered on at all times.

Plug **Power Supply** ⚠️ into an electrical outlet or power strip.



All the device lights will flash for a moment when you first plug in your SoClean 3+.

You may not see them if you are not looking at the Lid immediately after it is connected to power.

At this point in your SoClean 3+ setup, these lights should still be lit:

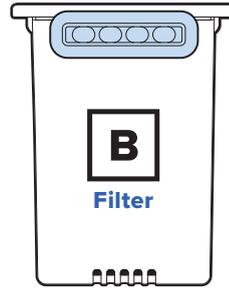
The indicator icons will turn off as setup steps are completed.

There is no power button on your SoClean 3+. The SoClean 3+ enters a low-power “sleep” mode when not in use and fully powers when any button on the Lid is pushed.

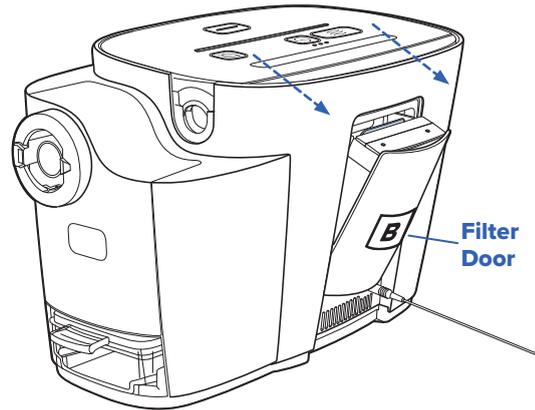
2 Installing and Replacing the Filter

The **Filter** converts ozone back to oxygen as it leaves the SoClean 3+ **Hose & Mask Chamber**. Filters expire after 3 months. Your SoClean 3+ reminds you when it needs replacement.

To order a replacement **Filter**, go to SoClean.com.



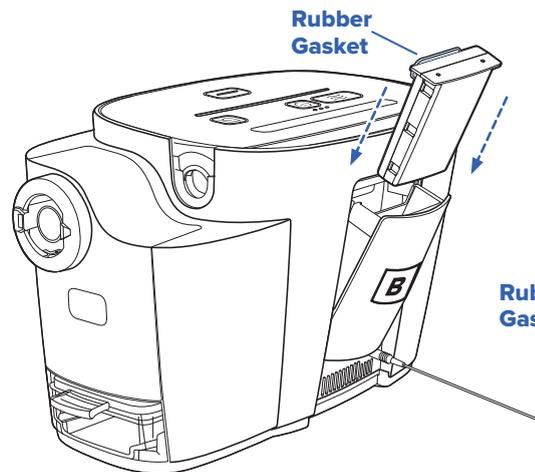
2.1



Remove **Filter B** from the box and sealed tray.

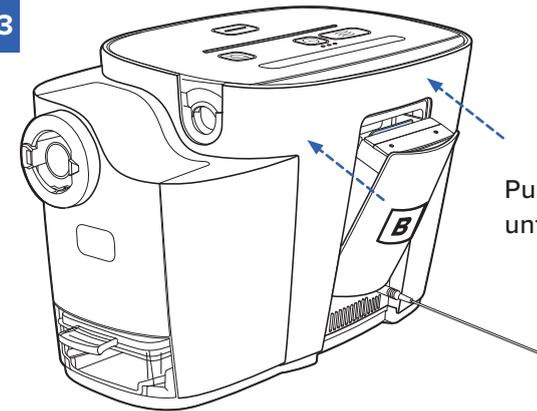
Open **Filter Door B** by pulling the top edge of the door away from the unit.

2.2



Insert **Filter B** into the slot with the blue **Rubber Gasket** facing inward as shown.

2.3

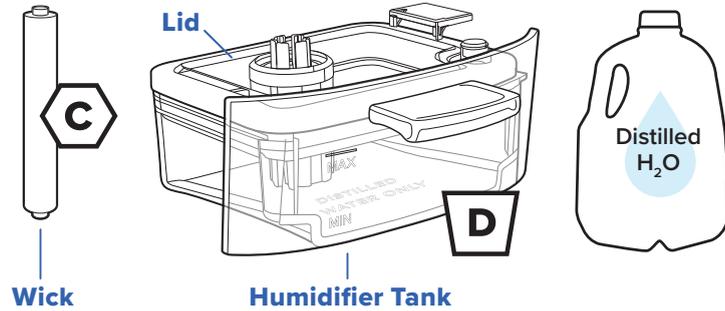


Push the **Filter Door** until it is fully closed.


The **Filter Issue** icon will turn OFF when the **Filter** is installed and the **Filter Door** is closed correctly.

If the Filter Issue  icon is flashing on the Lid, remove and reinstall the Filter and make sure the filter door is fully closed.

3 Installing, Maintaining, and Cleaning the Humidifier Tank



When the **Humidifier Tank** needs to be cleaned, the **Water Issue Icon**  will **flash orange** at the start of a cycle.

The **Humidifier Tank** and **Lid** should be cleaned and the **Wick** should be replaced on a weekly basis.

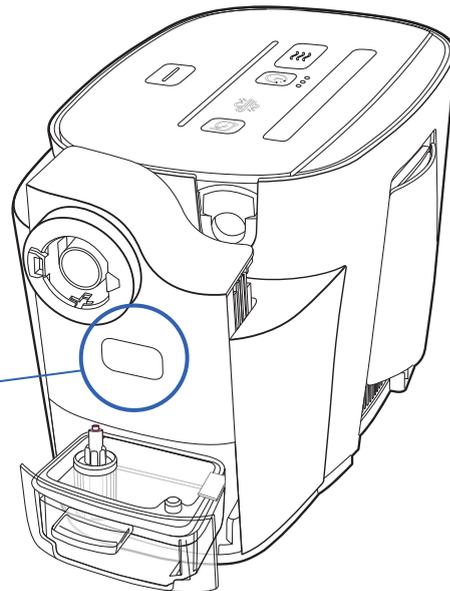
When the **Humidifier Tank** is missing, the **Water Issue Icon**  will turn **solid orange**.

If this is your first time setting up your SoClean 3+, please skip to step 3.3.

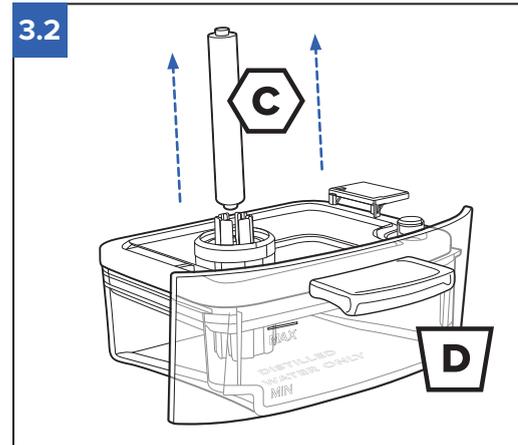
You can also refer to the **Setup Guide**.

3.1

If it's time to clean your **Humidifier Tank** , press the button on the side of the **Drawer** to lift the **Drawer** up and remove the **Humidifier Tank**.

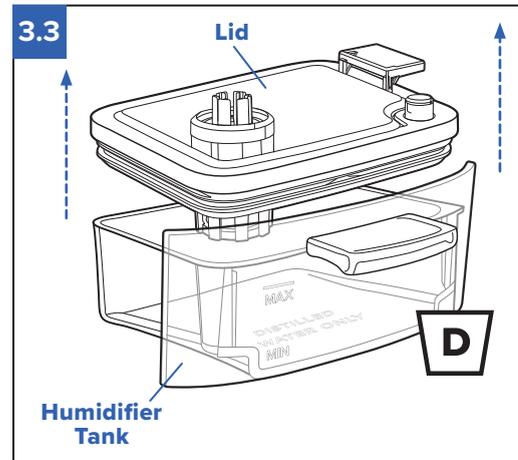


3.2



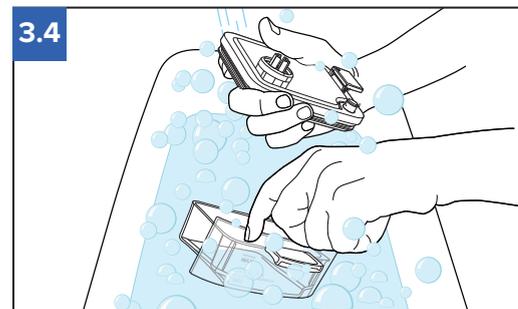
Remove the used **Wick**  from the **Wick Inlet** and discard.

3.3

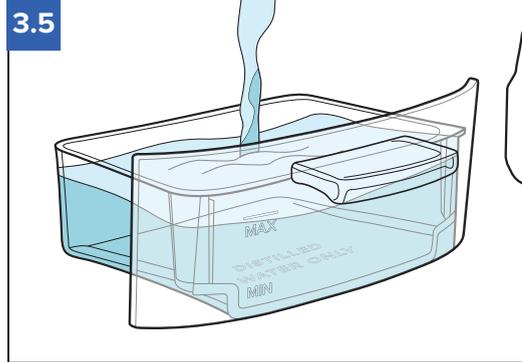


Remove the **Lid** from the **Humidifier Tank**.

3.4



Wash the **Lid** and **Humidifier Tank** with mild, unscented soap and warm, drinking-quality water just as you would your hose and mask.

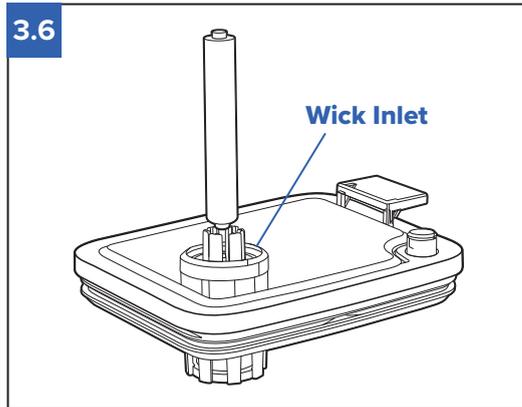


3.5



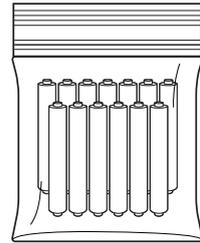
Add **ONLY** distilled water up to the MAX FILL line on the **Humidifier Tank**.

Do not attempt to fill through the lid.

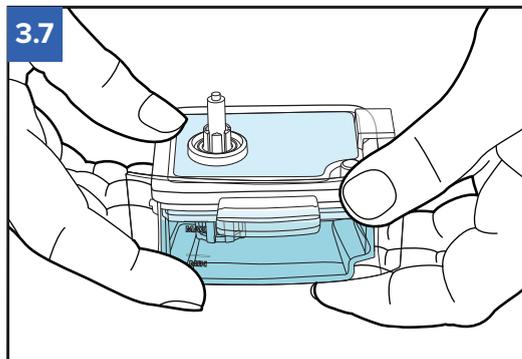


3.6

Wick Inlet



Remove a **Wick** from the bag. Guide the **Wick** into the **Wick Inlet** on the **Humidifier Tank Lid**, pushing down to ensure it is in place.



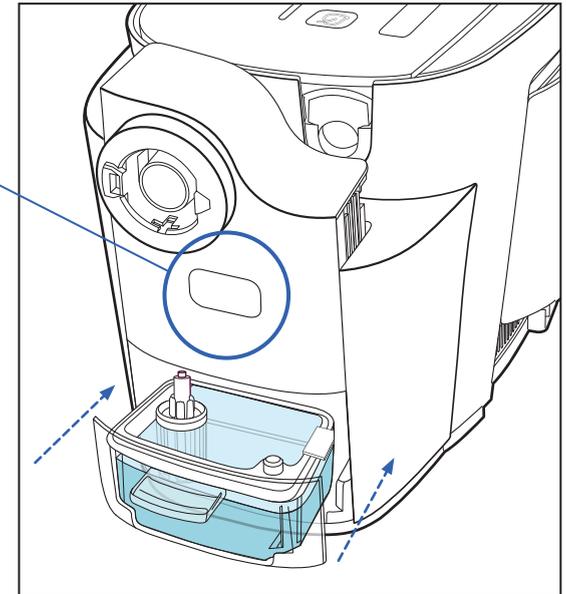
3.7

Replace the **Lid** on the **Humidifier Tank**. Close firmly.

3.8

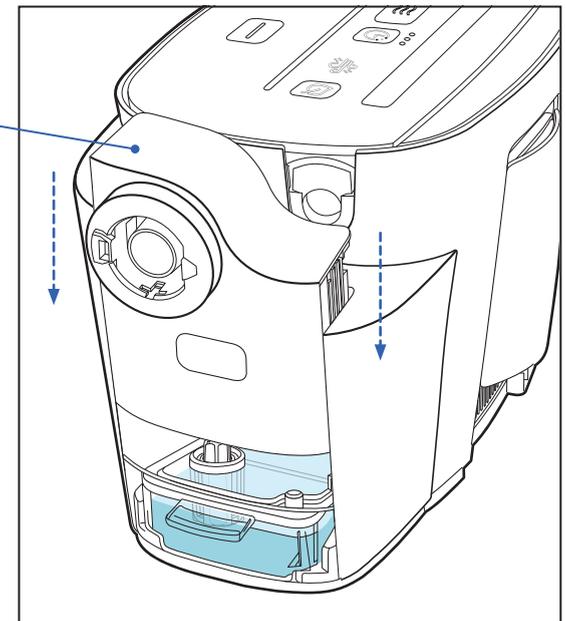
Press the button on the side of the drawer to lift the drawer up.

Install the **Humidifier Tank** into the **Drawer** of your SoClean 3+ by sliding it into the recess with the **Wick** facing up and on the left side.

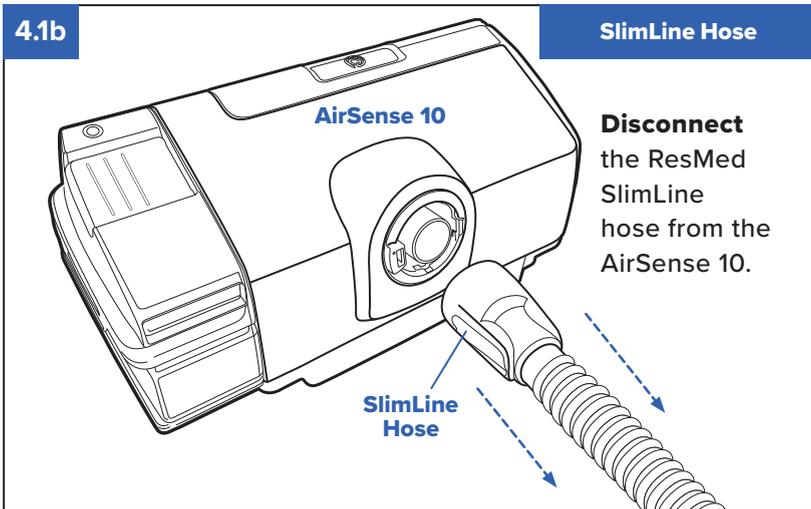
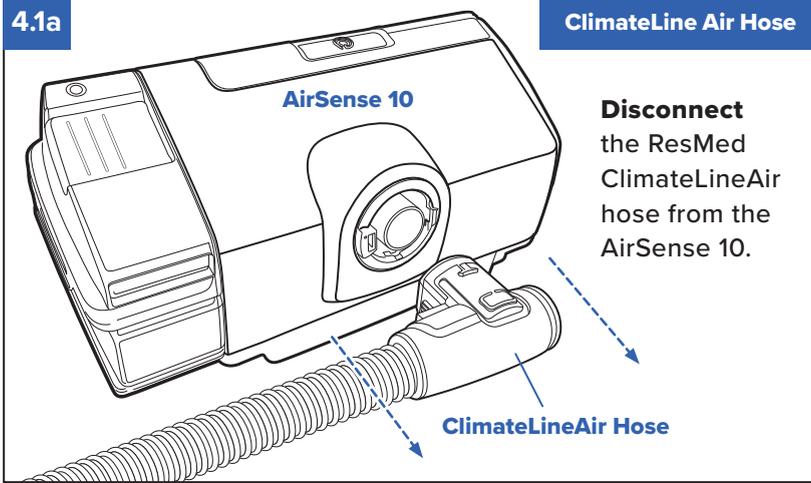


3.9

Press down on the **Drawer** until it latches into place.



4 Wash, Rinse, and Dry Your CPAP Hose and Mask

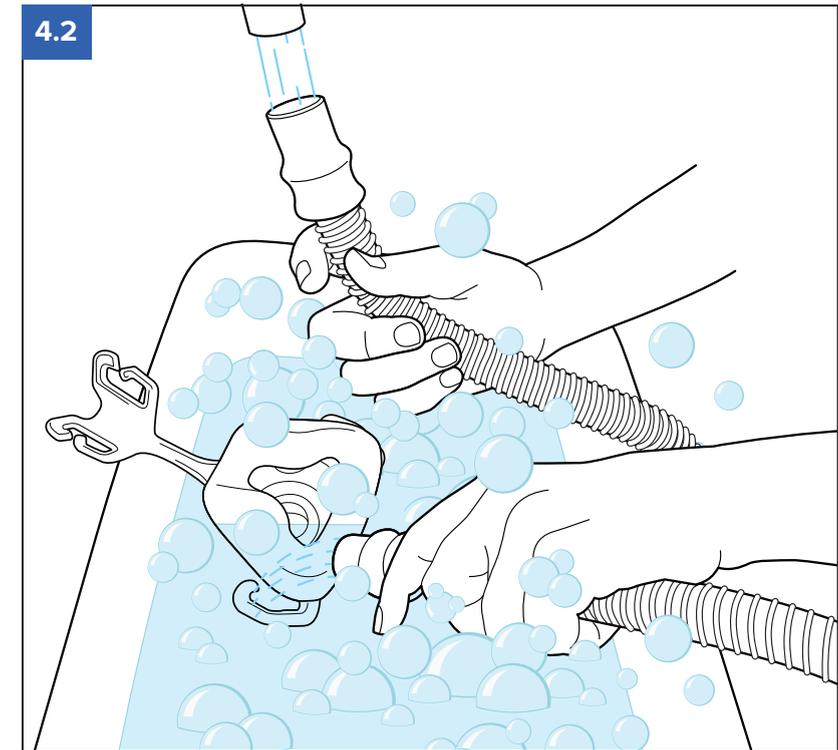


4 Wash, Rinse and Dry Your CPAP Hose and Mask

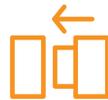
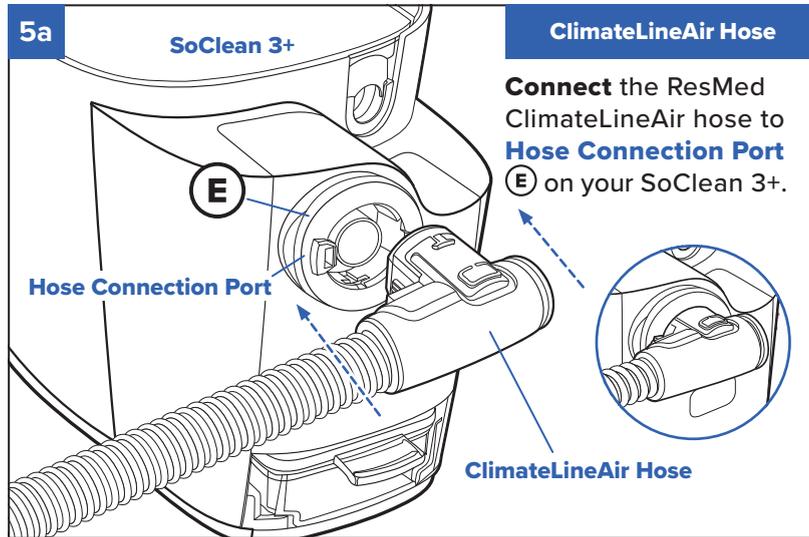
Wash, rinse, and dry your hose and mask as recommended by the manufacturer.

Your SoClean 3+ should be used as an adjunct to reduce bacterial populations on certain compatible home use CPAP mask and hoses after cleaning.

Washing removes oils, films, debris and other build up that can naturally form on your mask and hose from use.

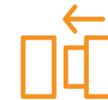
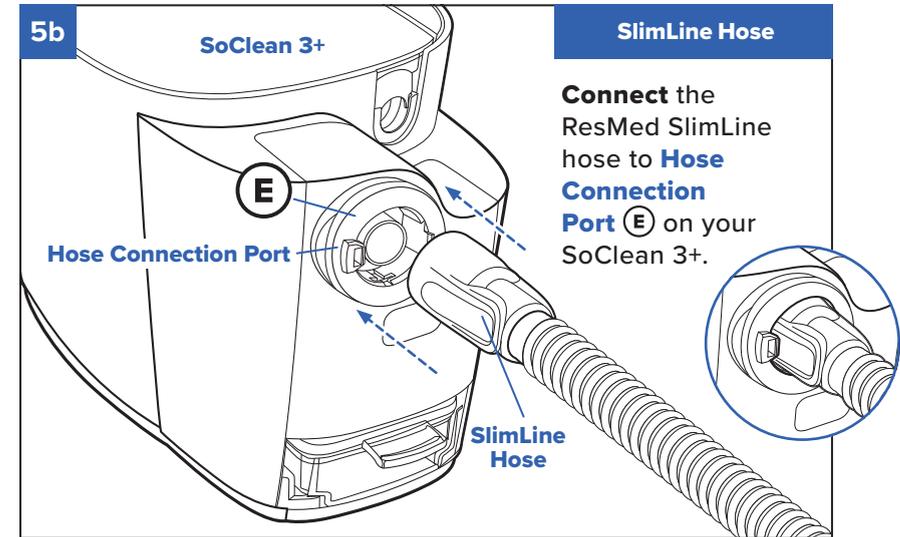


5 Connect Your ResMed ClimateLineAir™ Hose



The **Hose Port Issue** icon will turn OFF when hose is correctly connected.

5 Connect Your ResMed SlimLine™ Hose



The **Hose Port Issue** icon will turn OFF when hose is correctly connected.

Using Your SoClean 3+

SoClean 3+ is designed to be used by one user.

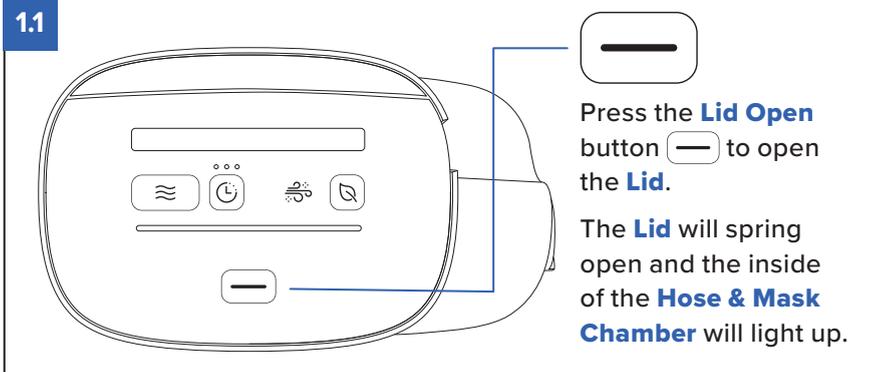
The SoClean 3+ should be used as an adjunct to reduce bacterial populations on certain compatible home use CPAP mask and ventilation hoses after cleaning.

You should not change or lessen the frequency of your hose and mask cleaning.



1 Placing Your Mask in the Hose & Mask Chamber

1.1



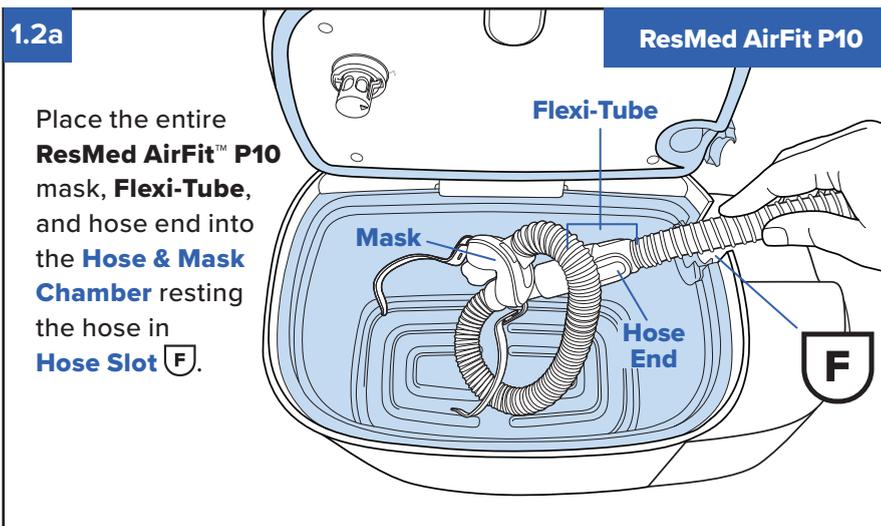
Press the **Lid Open** button  to open the **Lid**.

The **Lid** will spring open and the inside of the **Hose & Mask Chamber** will light up.

CAUTION: Rest the flexible part of the hose, not the rigid mask connector, in Hose Slot  to ensure a proper seal.

1.2a

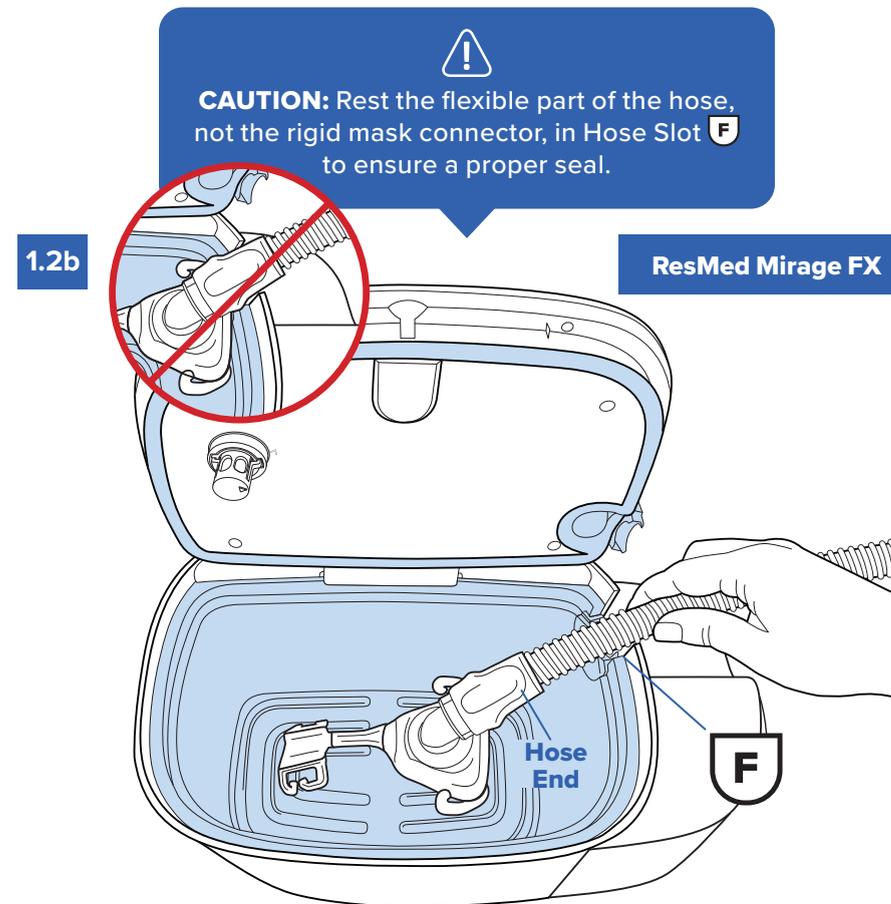
ResMed AirFit P10



Place the entire **ResMed AirFit™ P10** mask, **Flexi-Tube**, and hose end into the **Hose & Mask Chamber** resting the hose in **Hose Slot** .

1.2b

ResMed Mirage FX



CAUTION: Rest the flexible part of the hose, not the rigid mask connector, in Hose Slot  to ensure a proper seal.

Place **ResMed Mirage™ FX** mask into the **Hose & Mask Chamber** resting the hose in **Hose Slot** .

CAUTION: Do not use incompatible materials in the SoClean 3+ such as memory foam, natural rubber, or nylon. Headgear often contains incompatible materials for your SoClean 3+. Remove headgear before placing mask in Hose & Mask Chamber.

 The **Hose Slot Issue** icon will turn OFF when the hose is installed correctly.

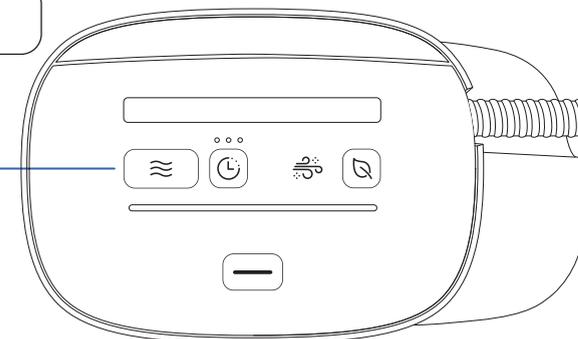
1.3 Push your **SoClean 3+ Lid** down to close until it latches shut.



If the SoClean 3+ Lid will not stay closed, call Customer Care 866-501-3705

2 Running a SoClean 3+ Cycle

2.1 



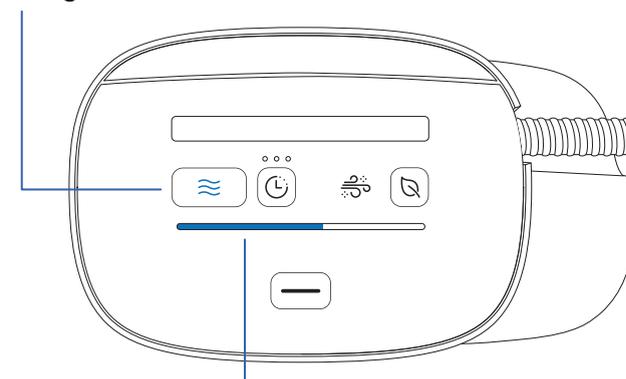
Press the **Cycle Start Button**  to start.

The SoClean 3+ Cycle takes **90** minutes to complete.

You should hear your SoClean 3+ run continuously for the first 6 minutes. It will then run for about 10 seconds per minute until the final 12 minutes when it will run continuously.

Leave the room for the duration of the Cycle.

The  will light up **blue** when the Cycle is running.



The **Progress Bar**  will light up **blue** from left to right as the Cycle moves along.

It is important to leave your hose and mask in your SoClean 3+ **Hose & Mask Chamber** and the hose end connected to the **Hose Port** for the entire Cycle time so that they achieve the desired bacterial reduction level.

If you need to remove them before the Cycle is complete, see the “Canceling a Cycle” section for details.

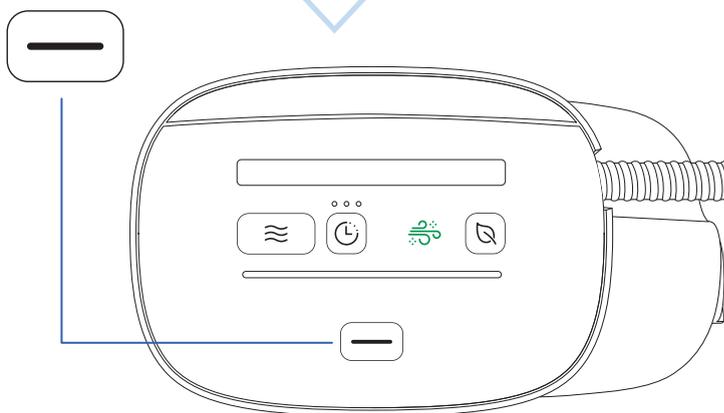
During the last 12 minutes of the Cycle, your SoClean 3+ will run fresh air through the system.

IMPORTANT: The hose and mask must be in the **Hose & Mask Chamber** correctly, the **Filter** must be installed, and the **Filter Door** must be closed for your SoClean 3+ to operate.



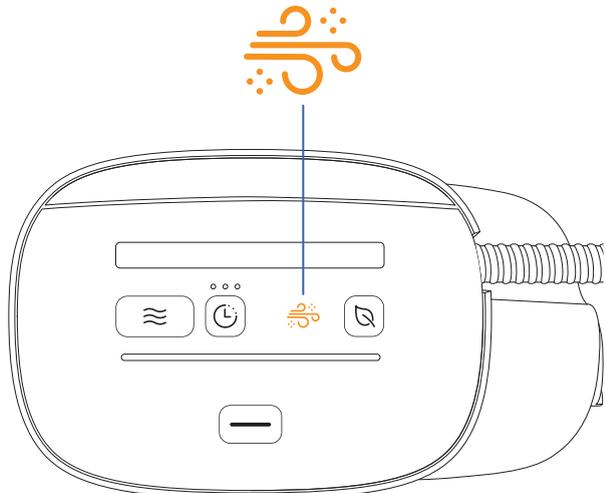
The **Bacterial Reduction Level Icon** will light up **green** when the Cycle has successfully completed with the desired bacterial reduction level.

2.2



Press the **Lid Open** button  to remove your hose and mask from the Hose & Mask Chamber. Wait a minimum of 30 minutes between completion of the Cycle and use of the CPAP mask and hose.

Your hose and mask are ready for use!



If the **Bacterial Reduction Level Icon**  is **orange**, optimal bacterial reduction may not have been reached.

Your hose and mask are safe to use after waiting a minimum of 30 minutes.

If this occurs after your next SoClean 3+ Cycle, contact Customer Care.

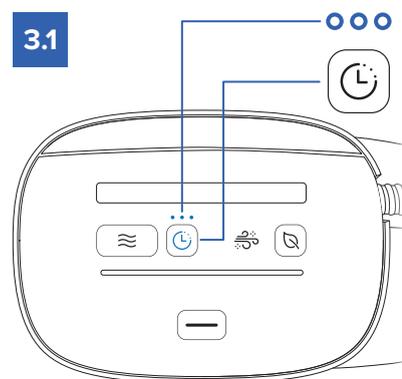
CAUTION: In the event of loss of power to your home or the device during a SoClean 3+ Cycle, you may want to rerun the entire SoClean 3+ Cycle to make sure your CPAP hose and mask have achieved optimal bacterial reduction.

3 Setting a Delayed Cycle Start

You can set the SoClean 3+ Cycle to start in 2, 4, or 8 hours.

PRESS	INDICATION	=	DELAY
1 time	1 blue indicator	●○○	2-hour
2 times	2 blue indicators	●●○	4-hour
3 times	3 blue indicators	●●●	8-hour
4 times	No blue indicator	○○○	No delay

3.1



When you have correctly installed your mask, hose, and filter and closed your SoClean 3+ Lid, all three buttons ○○○ will light up solid blue for a moment.

Press the **Cycle Delay Button** ⌚ to select the delay time.

The **Cycle Delay Button** ⌚ will flash blue for a few seconds.

You can adjust the Cycle Delay during this time.

Your hose and mask must be in your SoClean 3+ with the Lid closed to select or adjust a Cycle Delay.

3.2

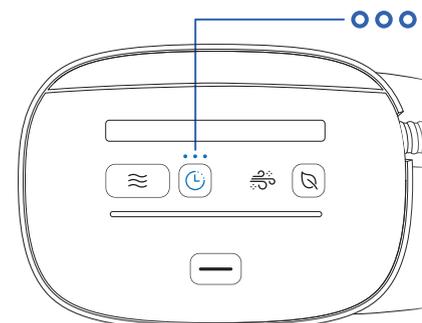
To choose the Cycle Delay time, press the **Cycle Delay Button** ⌚ until the correct number of blue indicator lights ○○○ are lit above the **Cycle Delay Button** ⌚.

Press the **Cycle Start Button** ⏸ to confirm the setting.

If you've gone past the correct number of lights, simply keep pressing the **Cycle Delay Button** ⌚ until the desired delay is set.

Make sure to wait about 1 second between each button press when setting the Cycle Delay. Once you press the **Cycle Start Button**, the delay timer will begin.

If you don't press the **Cycle Start Button** ⏸ within 10 seconds after setting the Cycle Delay, a delayed SoClean 3+ Cycle will not occur.



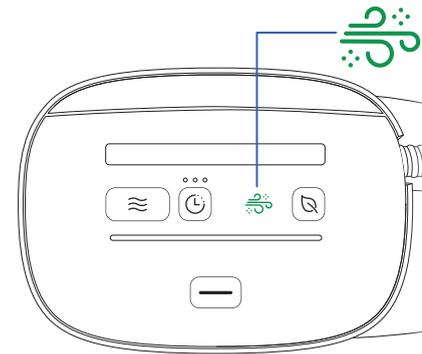
During the delay period, the indicator lights ○○○ above the button will stay blue until the SoClean 3+ Cycle begins.

Once the Cycle Delay time has passed, the SoClean 3+ Cycle will begin automatically.

Leave the room for the duration of the Cycle.

If you want to cancel the Cycle Delay before it begins, just open the lid.

3.3



Once the Cycle Delay and SoClean 3+ Cycle are completed, the **Bacterial Reduction Level Icon** 🦠 will turn green. You can then open the Lid and take out your hose and mask.

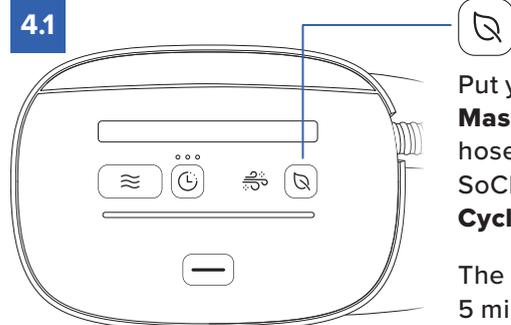
Wait a minimum of 30 minutes between completion of the Cycle and use of the CPAP mask and hose.

NOTE: The system returns to the default setting of **No Delay** after each use. If power is lost during a delayed cycle it will be canceled.

4 Fresh Air Cycle

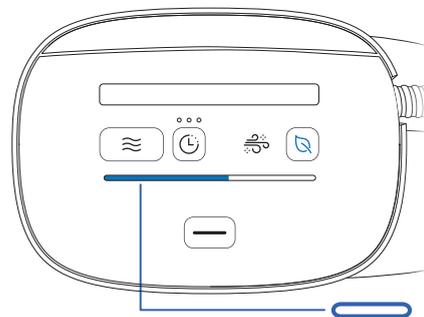
[OPTIONAL]

You can use the Fresh Air Cycle every day to freshen the air in your hose and mask after the SoClean 3+ Cycle. The Fresh Air Cycle does not reduce the level of bacteria in your hose and mask.



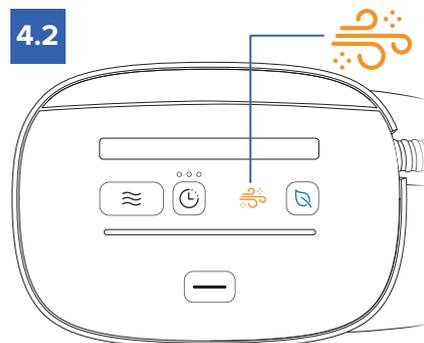
Put your hose and mask in the **Hose & Mask Chamber**, connect your CPAP hose end to the **Hose Port** on the SoClean 3+, and press the **Fresh Air Cycle Button**  to start the Cycle.

The Fresh Air Cycle takes about 5 minutes to complete.



While the Cycle is running, the **Fresh Air Cycle button**  will light up **blue**. The **Progress Bar**  will gradually light up **blue** as the Cycle moves along.

NOTE: Running a Fresh Air Cycle does not reduce the life of the Filter.

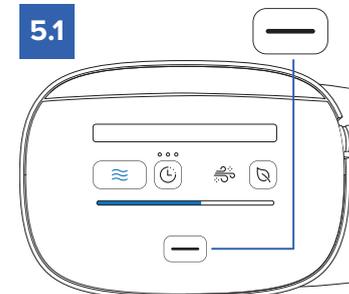


When the Fresh Air Cycle is finished, the **Bacterial Reduction Level Icon**  will light up **orange** and the **Fresh Air Cycle Button**  will be lit. You can now open the Lid and remove your hose and mask.

NOTE: You can only run up to three Fresh Air Cycles before you need to run a SoClean 3+ Cycle. This will make sure your CPAP hose and mask achieve the desired bacterial reduction level.

5 Canceling a Cycle

If you need to remove your hose and mask while a SoClean 3+ Cycle is running, you can cancel the cycle.

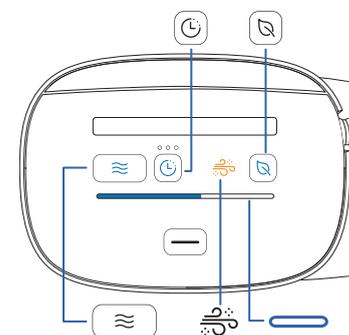


Press and hold the **Lid Open button**  for about 5 Seconds.

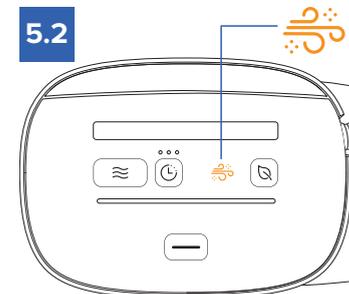
After you cancel the Cycle, your SoClean 3+ will keep pumping air through the system for around 15 minutes. This will clear ozone from your hose and mask.

While the SoClean 3+ Cycle cancellation is in progress:

- **Cycle Start Button**  will flash **blue** 5 times and then remain lit.
- **Cycle Delay and Fresh Air Cycle Buttons**   will briefly flash **blue**.
- **Progress Bar**  will flash **blue**
- The **Bacterial Reduction Level Icon**  will light up **orange**.



Once the Cycle cancellation is complete, the **Bacterial Reduction Level Icon**  will remain lit **orange**. Your **SoClean 3+ Lid** will unlock when the cancellation is complete.

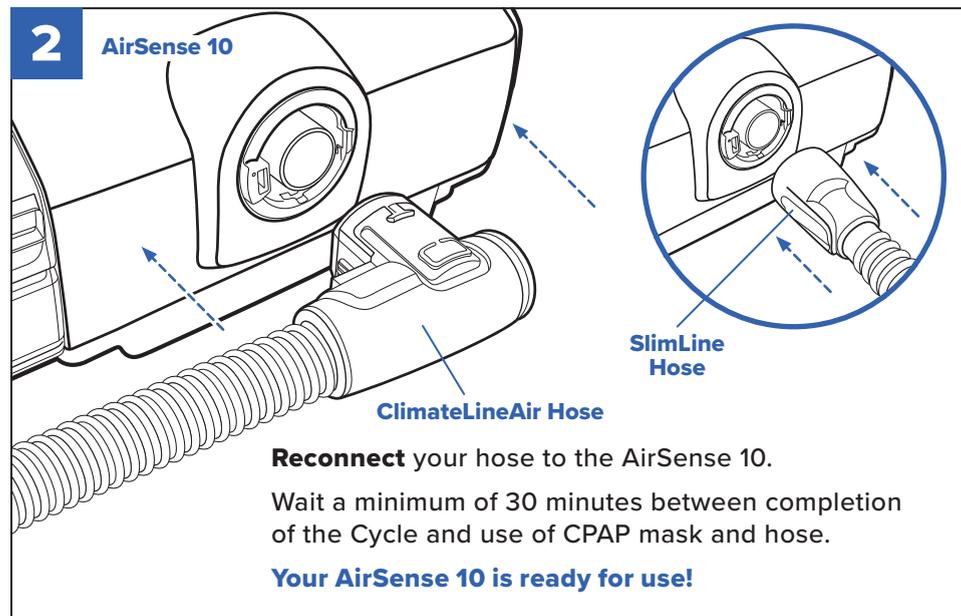
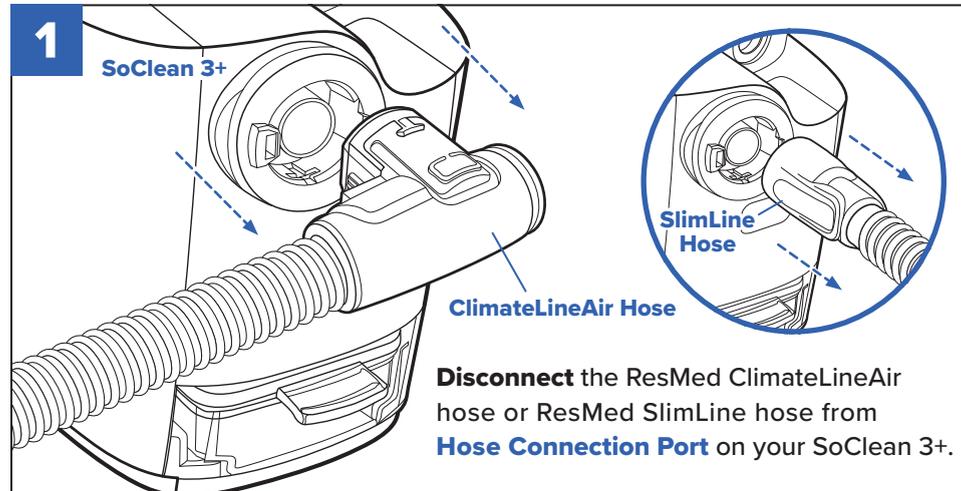


The Cycle was successfully canceled. You can now open the Lid and remove your hose and mask. Wait a minimum of 30 minutes between completion of the Cycle and use of the CPAP mask and hose. Your hose and mask may not have achieved the desired bacterial reduction level, but are available for use!

⚠ WARNING: Do not forcibly open your SoClean 3+ Lid before the Cycle completes.

Reconnecting Your CPAP Hose

Once the **SoClean 3+ Cycle** is complete and you are ready to use your CPAP, remove your hose and mask from the **Hose & Mask Chamber** and continue below:



Maintenance

Cleaning your Humidifier Tank:

When the **Humidifier Tank** needs to be cleaned, the **Water Issue Icon** will **flash orange** at the start of a cycle.

The **Humidifier Tank** and **Lid** should be cleaned and the **Wick** should be replaced on a weekly basis.

When the **Humidifier Tank** is missing, the **Water Issue Icon** will turn **solid orange**.

Refer to “Installing, Maintaining, and Cleaning the Humidifier Tank” section for complete instructions.

Refilling the Humidifier Tank:



A Bacterial Reduction Cycle should not be run if there is no water in the Humidifier Tank.

Only use **distilled water** to fill the **Humidifier Tank** up to the MAX FILL line.

Refer to “Installing, Maintaining, and Cleaning the Humidifier Tank” section for complete instructions.

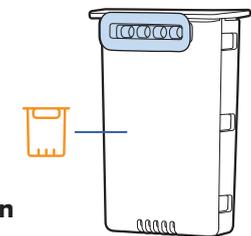
Replacing the Filter

Your SoClean 3+ is intended for once-daily use. Filters expire after 90 days.

The **Filter Issue Icon** will flash **orange** to remind you that it is time to change your **Filter**.

The SoClean 3+ will no longer operate a Cycle if the Filter Issue Icon turns solid orange before the Filter is replaced. A red triangle will also be seen when the Filter requires replacement.

Refer to “Installing and Replacing the Filter” section for complete instructions.



Cleaning your SoClean 3+:

To clean your SoClean 3+, wipe the interior and exterior with a slightly damp cloth or CPAP wipes. Do not submerge your SoClean 3+ in liquid or use chemical cleaners. Do not put water inside your SoClean 3+.

Pre-wash your CPAP Hose and Mask

Wash your CPAP hose and mask according to the sleep equipment manufacturer’s recommended method and interval.

In addition, do this prior to using your SoClean 3+ for the first time or when replacing your hose and mask.

Visible Cracks or Damage

⚠ WARNING: If your SoClean 3+ system is dropped, it may become damaged. Regularly inspect your SoClean 3+ for physical damage, such as cracks or broken structure, damaged gaskets, and cracks in the CPAP hose. Discontinue use if damage is detected and contact SoClean for assistance.

Moving and Storing your SoClean 3+:

If you need to move your SoClean 3+:

- Do not put the **Power Supply** into the **Hose & Mask Chamber**.
- Remove CPAP hose and mask.
- The **Humidifier Tank** can remain in place.

If you do not use or need to store your SoClean 3+ for more than three days:

- Remove and drain the **Humidifier Tank**.
- Discard the used **Wick**.

Reordering Parts or Accessories

To reorder supplies, contact your authorized reseller or visit SoClean.com.

For safety and extended product life, use only authentic SoClean parts. Please purchase your Filters from SoClean.com or an authorized reseller to ensure authenticity. For purchases from an online marketplace, such as Amazon®, please check “sold by” SoClean before making your purchase. Authentic SoClean Filters contain unique technology required for safe use of your SoClean 3+. The manufacturer is not responsible for device malfunction or accidents caused by the use of inauthentic parts or accessories. Please contact SoClean immediately if you have any issues with your Filter.

Your SoClean 3+ has been designed to work only with authentic SoClean 3+ Filters. You will not be able to operate your SoClean system with an inauthentic SoClean 3+ Filter.

Amazon® is a registered trademark owned by Amazon Technologies, Inc.
SoClean® is a registered trademark owned by SoClean, Inc.

Part Name	SKU	Description
3-Month Maintenance Kit	PN1457-3M	Contains one 3-month Filter and replacement Wicks for your SoClean 3+ .
6-Month Maintenance Kit	PN1457-6M	Contains two 3-month Filters and replacement Wicks for your SoClean 3+.
Power Supply	PN1452-IP22	One replacement Power Supply.
Replacement Humidifier Tank	PN1453	One replacement Humidifier Tank.

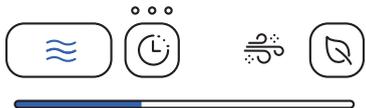
Troubleshooting

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
There is a noticeable odor of ozone or unfamiliar odor, or you experience headaches/migraines, or symptoms such as cough or discomfort in your nose or throat during SoClean 3+ Cycle	Your SoClean 3+ may be damaged.	<p>Leave the room for 4 hours from when your SoClean 3+ Cycle began.</p> <p>Discontinue use of the SoClean 3+</p> <p>Contact SoClean Customer Care before running your machine again.</p>
You or the person you care for notice feeling any cardiovascular or respiratory distress	You may be extremely sensitive to the smell of the oxidation process.	<p>Discontinue use of the SoClean 3+.</p> <p>Consult your healthcare provider.</p> <p>Contact SoClean Customer Care.</p>
You're developing a rash where the mask touches your face	<p>Regular hand washing of your hose and mask may not be taking place.</p> <p>Skincare or beauty products on the mask may not interact well with ozone.</p>	<p>Discontinue use of the SoClean 3+.</p> <p>Consult your healthcare provider.</p> <p>Contact SoClean Customer Care.</p> <p>Regularly wash your hose and mask according to the manufacturer's instructions.</p> <p>Use unscented CPAP wipes to clean your mask before and after the SoClean 3+ Cycle.</p>
After repeated use of your SoClean 3+, you experience headaches/migraines, or symptoms such as cough or discomfort in your nose or throat	<p>Regular hand washing of your hose and mask may not be taking place.</p> <p>Skincare or beauty products on the mask may not interact well with ozone.</p>	<p>If symptoms persist, discontinue use of your SoClean 3+, consult your health care provider.</p> <p>Contact SoClean Customer Care.</p> <p>Regularly wash your hose and mask according to the manufacturer's instructions.</p> <p>Use unscented CPAP wipes to clean your mask before and after the SoClean 3+ Cycle.</p>
There is a noticeable scent in your mask after using SoClean 3+	Your mask and hose may contain fragrance or impurities.	<p>Use the Fresh Air Cycle.</p> <p>Regularly wash your hose and mask according to the manufacturer's instructions.</p> <p>Use unscented CPAP wipes after SoClean 3+ Cycle.</p>
Delayed SoClean 3+ Cycle did not start None of the delay indicators are lit up blue.	<p>Cycle Delay button may have been pressed an additional time, resetting it to No Delay. </p> <p>Cycle Start Button was not pressed after setting a Cycle Delay.</p>	<p>Be sure to leave one second between presses and do not press again after the initial setting unless you intend to cancel the Cycle Delay.</p> <p>See "Setting a Delayed Cycle Start" section for details on setting a Cycle Delay.</p>
Your mask is discoloring	<p>Washing your hose and mask may not be taking place.</p> <p>It may be time to replace your mask.</p>	<p>Wash, rinse and dry your hose and mask the way the manufacturer recommends.</p> <p>Replace your CPAP mask at the manufacturer's recommended interval.</p>

PROBLEM	YOU SEE	POSSIBLE CAUSES	SOLUTIONS
SoClean 3+ will not operate a Cycle	None of the lights illuminate, even when you press buttons	Your SoClean 3+ may not be connected to power.	Check that the Power Supply is plugged in correctly into the back of your SoClean 3+ and the AC wall outlet. If the issue continues, contact SoClean Customer Care.
	 This icon is solid red on the Lid and the SoClean 3+ is not running.	There may be an internal device issue.	Contact SoClean Customer Care.
	  Both of these icons are lit solid on the Lid and the SoClean 3+ is not running.	There may be an internal device issue.	Contact SoClean Customer Care.
	 This icon is solid orange on the Lid.	The Filter is missing or the Filter Door is open.	If a Filter is installed, check your filter door and open/close it securely.
	  Both of these icons are lit solid on the Lid and the SoClean 3+ is not running.	The Filter is expired or an invalid Filter is installed.	Replace with a new, genuine, SoClean 3+ Filter.
	  Both of these icons are lit solid on the Lid and the SoClean 3+ is not running.	There is an internal issue preventing the SoClean 3+ from running.	Contact SoClean Customer Care.
	  Both of these icons are lit solid on the Lid and the SoClean 3+ is not running.	There is an internal issue preventing the SoClean 3+ from running.	Contact SoClean Customer Care.

PROBLEM	YOU SEE	POSSIBLE CAUSES	SOLUTIONS
SoClean 3+ will not operate a Cycle	 This icon is solid orange on the Lid.	The Humidifier Tank is missing.	Make sure the Humidifier Tank is properly installed.
	 This icon is solid orange on the Lid.	The Wick may be missing or need to be replaced. There may be no distilled water in the Humidifier Tank.	Check to make sure there is a Wick installed and that there is distilled water in the Humidifier Tank. If Wick has not been replaced in 7 days, replace the Wick.
	 This icon is solid orange on the Lid	There is no CPAP hose connected to the Hose Port.	Connect your CPAP hose to the Hose Port on your SoClean 3+.
		There may be an issue detecting your CPAP hose.	If already connected, disconnect and reconnect the CPAP hose to the Hose Port on your SoClean 3+.
	 This icon is solid orange on the Lid	There may be an issue detecting your CPAP hose.	Check that your CPAP hose has been properly placed into the Hose Slot and the Lid is fully closed.
The Lid may not be closed.		Check to see if the Lid is fully closed.	
Your CPAP hose may be incompatible.		Your SoClean 3+ is only compatible with ResMed ClimateLineAir™ and ResMed SlimLine™ Tubing.	
 This icon is flashing orange on the Lid	Your SoClean 3+ is in the process of detecting the hose.	Wait a few seconds for the hose to be detected. If the hose is not detected, the light will turn solid orange .	
	It's the first time SoClean 3+ was powered on or there was a loss of power to the device.	Open and close Lid.	

PROBLEM	YOU SEE	POSSIBLE CAUSES	SOLUTIONS
<p>This icon is flashing orange when starting a Cycle</p>	 This icon is flashing orange on the Lid	<p>Time to order a new Filter.</p>	<p>Order a replacement Filter.</p>
<p>Lid does not open and you are unable to access your CPAP hose and mask when the Lid Open button is pressed</p>	 This icon is flashing orange on the Lid  This icon turns solid red on the Lid and the SoClean 3+ is silent.      NOTE: These icons may or may not be lit on the Lid. <p>The progress bar will slowly light blue over a 2 hour time period similar to a SoClean 3+ Cycle.</p>	<p>Your SoClean 3+ was operating a SoClean 3+ Cycle and one of the following occurred:</p> <ul style="list-style-type: none"> • Power to your SoClean 3+ was momentarily lost • The CPAP hose was not detected after the Cycle started • Internal device Issue <p>Pump and fan may have failed.</p> <p>The Filter was not detected after the Cycle started.</p>	<p>Discard the used Wick and clean the Humidifier Tank according to the maintenance instructions within “Installing, Maintaining, and Cleaning the Humidifier Tank” section.</p> <p>Lid will unlock after 2 hours allowing the ozone to break down prior to removing your CPAP.</p> <p>Wait a minimum of 30 minutes between completion of the Cycle and use of the CPAP mask and hose.</p> <p>Contact SoClean Customer Care.</p>
<p>SoClean 3+ will not operate a Fresh Air Cycle</p>	    Fresh Air button flashes when pressed.	<p>You have run 3 consecutive Fresh Air Cycles.</p>	<p>Run a SoClean 3+ Cycle.</p>

PROBLEM	YOU SEE	POSSIBLE CAUSES	SOLUTIONS
<p>Lid does not open when the Lid Open button is pressed</p>	 <p>These icons are lit blue on the Lid.</p>	<p>The SoClean 3+ Cycle is running.</p>	<p>The Lid is locked during a SoClean 3+ Cycle. To cancel the cycle, press the Lid Open button for approximately 5 seconds. It will take approximately 15 minutes before you can access your CPAP hose and mask.</p> <p>Wait a minimum of 30 minutes between completion of the Cycle and use of the sleep equipment mask and hose.</p>
	 <p>No buttons light up.</p>	<p>Your SoClean 3+ may not be connected to power.</p>	<p>Check that the Power Supply is plugged into the wall and the back of the SoClean 3+.</p>
	 <p>You hear a click and the buttons light up blue but the Lid doesn't open.</p>	<p>The Lid may be stuck.</p>	<p>After you press the Lid Open button and hear the click, pull up gently on your CPAP hose to assist in opening the Lid.</p>

PROBLEM

YOU SEE

POSSIBLE CAUSES

SOLUTIONS

Drawer does not lift when the Drawer button is pressed

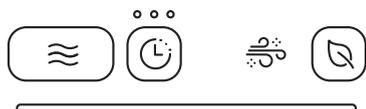


These icons are lit **blue** on the Lid.

The SoClean 3+ Cycle is running.

The Drawer is locked during a SoClean 3+ Cycle. To cancel the cycle, press the **Lid Open** button for approximately 5 seconds. It will take approximately 15 minutes before you can access your CPAP hose and mask.

Wait a minimum of 30 minutes between completion of the Cycle and use of the sleep equipment mask and hose.



No buttons light up.

Your SoClean 3+ may not be connected to power.

Check that the Power Supply is plugged into the wall and the back of the SoClean 3+.



You hear a click and the buttons light up **blue** but the Drawer doesn't lift.

The Drawer may be stuck.

Press down gently on the Drawer and press the Drawer open button again.

EMC Standards Compliance

Standard	Version	Test Type	Limits
CISPR 11 A1 A2	2015 2016 2019	Emissions	Group 1, Class B
IEC 61000-3-2 A1 A2	2005 2008 2009	Harmonic Distortion	Class A
IEC 61000-3-3	2013	Voltage Flicker	Dmax = 4%
IEC 61000-4-2	2008	ESD	Contact Level 3 (8KV) Air Discharge Levels 1-4 (2KV, 4KV, 8KV, 15KV)
IEC 61000-4-3 A1 A2	2006 2007 2012	Radiated Immunity	Home Healthcare Environment: 10 V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz
IEC 61000-4-4	2012	EFT	± 2 kV 100 kHz repetition frequency
IEC 61000-4-5 A1	2014 2017	Surge	Line to line: ± 0,5 kV, ± 1 kV Line to ground: ± 0,5 kV, ± 1 kV, ± 2 kV
IEC 61000-4-6	2013	Conducted Immunity	Home Healthcare Environment: 3 V 0,15 MHz – 80 MHz 6 V in ISM and amateur radio bands between 0,15 MHz and 80 MHz 80 % AM at 1 kHz
IEC 61000-4-8	2009	Magnetic Field	30 A/m 60 Hz
IEC 61000-4-11 A1	2004 2017	Voltage Dips/Interruptions	Dips: 0 % UT; 0,5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % UT; 1 cycle And 70 % UT; 25/30 cycles Single phase: at 0° Interruptions: 0 % UT; 250/300 cycle
IEC 61000-4-39	2017	Magnetic Field Proximity	See table to follow
Immunity to proximity fields from RF wire- less communication equipment as defined in Table 9 of IEC 60601-1-2 Proximity Fields	2014 2020	EMC Table 9	See table to follow

**Test specifications for
ENCLOSURE PORT IMMUNITY to proximity magnetic fields**

Test Frequency	Modulation	Immunity Test Level (A/m)
30 kHz	CW	8
134.2kHz	Pulse Modulation 2.1kHz	65
13.56MHz	Pulse Modulation 50kHz	7.5

**Immunity to proximity fields from RF wireless communication
equipment as defined in Table 9 of IEC 60601-1-2 Proximity Fields**

Test Frequency (MHz)	Band (MHz)	Service	Modulation	Immunity Test Level (V/m)
385	380 to 390	TETRA 400	Pulse Modulation 18Hz	27
450	430 to 470	GMRS 460, FRS 460	FM ± 5 kHz deviation 1kHz sine	28
710	704 to 787	LTE Band 13, 17	Pulse Modulation 217Hz	9
745				
780				
810	800 to 960			28
870		GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse Modulation 18Hz	
930				
1720	1700 to 1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse Modulation 217Hz	28
1845				
1970				
2450	2400 to 2750	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse Modulation 217Hz	28
5240	5100 to 5800	WLAN 802.11 a/n	Pulse Modulation 217Hz	9
5500				
5785				



Thank you for purchasing SoClean 3+.

Please read this entire manual carefully before using your SoClean 3+ and keep it for future reference.

Questions? ¿Preguntas?



[SoClean.com/contact](https://www.soclean.com/contact)



866-501-3705

For warranty information, visit [**SoClean.com/warranty**](https://www.soclean.com/warranty)

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1 Vose Farm Road, Peterborough, NH 03458, U.S.A.
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