CPAP, BILEVEL, BIPAP, & AUTO CPAP
Sanitizing Device
User Manual

The manual contains warranty registration information

This user manual provides the operation and safety information

Read this user manual carefully before you use and save it for future reference
Thank you!

for purchasing the VirtuCLEAN CPAP sanitizer device.

In this manual you will find how to properly clean your CPAP equipment and accessories using the VirtuCLEAN device, operating your VirtuCLEAN device and frequently asked questions.

To register your device for warranty coverage, accessories for your device, or to find additional information, please go to www.virtuclean.com
Warnings

Please allow at least 30 minutes of non use of your CPAP equipment after cleaning your CPAP equipment to allow the scent of ozone to dissipate.

Please only use VirtuCLEAN for its intended use, it is not recommended to use any other way.

Use VirtuCLEAN in a room larger than 3 ft x 3 ft. The scent of ozone can be unpleasant to some users.

Do not run VirtuCLEAN for more than 1 cycle, it is not necessary for multiple cleaning cycles.

Do NOT inhale the emitted ozone directly from the VirtuCLEAN device as this may be harmful to one's health.

Do NOT attempt to open or repair the device, this will compromise the device’s functionality and void the warranty.

Do NOT leave unattended near children or pets.

Do NOT block any part of the VirtuCLEAN during operation.
# What’s in the box

<table>
<thead>
<tr>
<th>Name</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-VirtuCLEAN device</td>
<td>2200</td>
</tr>
<tr>
<td>1-VirtuCLEAN bag</td>
<td>2201</td>
</tr>
<tr>
<td>1-VirtuCLEAN charging cable</td>
<td>2202</td>
</tr>
</tbody>
</table>

## VirtuCLEAN

- Charging indicator
- USB Charging port
- Tubing port
- Air intake
- Working indicator
- On/off button

**Travel bag**: Use the travel bag to carry your VirtuCLEAN device and/or accessories. It can also be used to enclose your CPAP mask for a disinfection cycle.

**Important!** To ensure the electrical charging specifications are followed please use the approved Charger and USB cable.
Device Characteristics

Physical:
- Dimensions: 4.6 in x 2.67 in x 1.97 in
- Weight: .45 lbs

Electrical:
- Rechargeable Lithium-ion battery
  - 2000mAh, 4W power

Environmental:
- Storage temperature: -20°C ~55°C
- Operating temperature: -5°C ~45°C
- IPX1 IP (Ingress protection): IPX1

VirtuCLEAN sanitizer connections

CPAP Mask inside the bag

Tubing

VirtuCLEAN

The VirtuCLEAN runs its sanitation cycle for 35 minutes, 30 minutes for ozone and 5 minutes with fresh air. Repeating the cycle is not necessary. The manufacturer reserves the right to change the above specifications without notice.

If you have heated/climate line CPAP tubing please visit WWW.VIRTUCLEAN.COM for a specific instructional video!
VirtuCLEAN Instructions

STANDARD TUBING CPAP MACHINES
The VirtuCLEAN is a two-step process

Step 1: Sanitizing face mask/ nasal pillow and tubing.
- The first thing you will do is disconnect the tubing from your CPAP machine with the face mask/ nasal pillows still attached to the other end of the CPAP tubing.

- Next you are going to place the face mask/ nasal pillows portion of the CPAP equipment into the travel bag that came with your VirtuCLEAN and zip the travel bag up – (leaving a portion of the tubing running out of the travel bag). Then connect the VirtuCLEAN to the other end of the tubing

-(this is the portion of the tubing that was previously connected to the CPAP machine.)

- Then you will turn the VirtuCLEAN unit on and allow it to run its 30-minute disinfecting cycle. Which will be followed up with a 5-minute fresh air flush cycle, where the device pushes fresh air through the CPAP equipment to help dissipate any remaining odor or ozone that may still be lingering.

- Recommendations: We recommend that this step is done every day.
Step 2: Sanitizing the Humidifier Chamber

- The first thing you want to do is empty the humidifier chamber of its water.
- Next you are going to disconnect the face mask / nasal pillows portion of your CPAP equipment from the tubing. And connect the VirtuCLEAN to this end of the tubing. – (The humidifier chamber should still be connected to your CPAP machine; the tubing should also still be connected to the CPAP machine as well, with the VirtuCLEAN connected to the other end of the tubing.)
- Now you turn the VirtuCLEAN unit on and allow it to run its 30-minutes disinfecting cycle. Which will be followed up with a 5-minute fresh air flush cycle, where the device pushes fresh air through the CPAP equipment to help dissipate any remaining odor or ozone that may still be lingering.
- Recommendations: We recommend that this step is done at least once a week.
VirtuCLEAN Instructions

HEATED TUBING & ALL NON-STANDARD-TUBING CPAP MACHINES
The VirtuCLEAN is a two-step process.

Step 1: Sanitizing face mask/ nasal pillow and tubing.

- The first thing you are going to do is disconnect the face mask / nasal pillows from the CPAP tubing and place inside of the travel bag that came with your VirtuCLEAN.
- Next you are going to disconnect the CPAP tubing from the CPAP machine.
- Then you will place the portion of the tubing that was connected previously to the CPAP machine and place that end of the tubing into the VirtuCLEAN travel bag. – (This end of the CPAP tubing will not be connected to anything.) Then zip the travel bag up – (leaving a portion of the tubing running out of the travel bag).
- Next you will connect the VirtuCLEAN to the other end of the tubing. – (This portion of the tubing was previously connected to your face mask/ nasal pillows.)
- Then you will turn the VirtuCLEAN unit on and allow it to run its 30-minute disinfecting cycle. Which will be followed up with a 5-minute fresh air flush cycle, where the device pushes fresh air through the CPAP equipment to help dissipate any remaining odor or ozone that may still be lingering.
- We recommend that this step is done every day.
VirtuCLEAN Instructions

Step 2: Sanitizing the Humidifier Chamber
- The first thing you want to do is empty the humidifier chamber of its water.
- Next you are going to disconnect the face mask / nasal pillows portion of your CPAP equipment from the tubing. And connect the VirtuCLEAN to this end of the tubing. – (The humidifier chamber should still be connected to your CPAP machine; the tubing should also still be connected to the CPAP machine as well, with the VirtuCLEAN connected to the other end of the tubing.)
- Now you turn the VirtuCLEAN unit on and allow it to run its 30-minutes disinfecting cycle. Which will be followed up with a 5-minute fresh air flush cycle, where the device pushes fresh air through the CPAP equipment to help dissipate any remaining odor or ozone that may still be lingering.
- Recommendations: We recommend that this step is done at least once a week.
Charging the battery

The VirtuCLEAN includes a rechargeable battery that is inside your device. Please do not attempt to replace this battery as this will void the warranty of your device. For charging the battery, connect the cable to the VirtuCLEAN device. Connect the USB cable to the charging port and power adapter. Insert the cable into a power outlet.

For the best lithium battery performance and battery life, set the power off while it is at charging. Charging indicator turns red when it is at charge. Charging indicator turns green when charging is completed.

The time required to recharge the battery will vary greatly depending on the ambient temperature and the battery’s remaining capacity. If the battery becomes exhausted quickly even after being fully charged, the battery has reached the end of its service life.

Low Power indication: When the battery is running low, Working indicator blinks along with long buzzer sound. The disinfector will continue to operate till the battery charge is completed used up; however, it does not warrant a complete 35 minutes sanitization cycle. Recommend user charges up the disinfector once the working indicator flashes.
Important Notes and Precautions

- For the CPAP machine configured with humidifier, drain water in reservoir before starting the sanitization process.

- After sanitization process, wait for an hour before using the CPAP for ensuring no ozone residue odor.

- Ozone concentration is designed by the disinfecter design, enclosing container and sanitization time. The machine design is based on the best sanitization performance. User is not recommended to change any settings.

- The 2000 mAh rechargeable batteries meets most of the airlines restriction.

- The warranty becomes VOID if repairs are undertaken by unauthorized persons and if original parts are not used. To obtain service within the warranty period, please contact your distributor.

- It is recommended to sanitize your CPAP mask and tubing everyday and your CPAP humidifier weekly.

Limited Warranty

HLS offers an 18 month warranty on the product commencing on the date of purchase. The warranty does not cover damage due to improper use and normal wear. The warranty only covers defects in the product resulting from faults in materials or workmanship, free from charge by repairing or replacement in the complete product at the HLS location and at HLS discretion.
<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible solution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VirtuCLEAN does not work after its turned on</td>
<td>Connect VirtuCLEAN to charger. Plug the charger into power outlet. Turn on the VirtuCLEAN</td>
</tr>
<tr>
<td>Charging indicator does not light up</td>
<td>Make sure the battery has been charged. Check the charging connection</td>
</tr>
<tr>
<td>Machine stops with no beep sound</td>
<td>Battery is discharged. Connect the VirtuCLEAN to charger to recharge</td>
</tr>
<tr>
<td>The battery is charged, but VirtuCLEAN still not working</td>
<td>Check the charger connection to be sure it’s fully connected. If it is, send the VirtuCLEAN in for repair</td>
</tr>
<tr>
<td>The VirtuCLEAN is not generating ozone</td>
<td>If, after you press the On/Off button, the fan and working indicator light are not on, connect the VirtuCLEAN to the power charger and the power charger into an outlet. If the working indicator light turns on with a green light but the fan still does not run, please send the VirtuCLEAN in for repair</td>
</tr>
</tbody>
</table>

For repair or additional information, please visit WWW.VIRTUCLEAN.COM