

Controlled Air-Purifying Respirator - Maxair

Quick Reference Guide



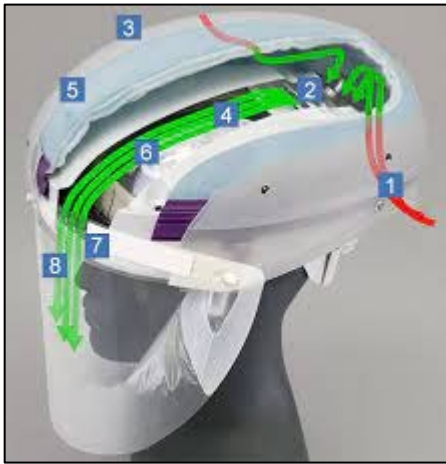
[Training Videos - MAXAIR Systems \(maxair-systems.com\)](https://www.maxair-systems.com)

IMPORTANT NOTE: This document is to be used in conjunction with your facilities established respirator use training program. It does not cover all the requirements to be compliant with the rules and regulations for respirator use.

This quick reference covers:

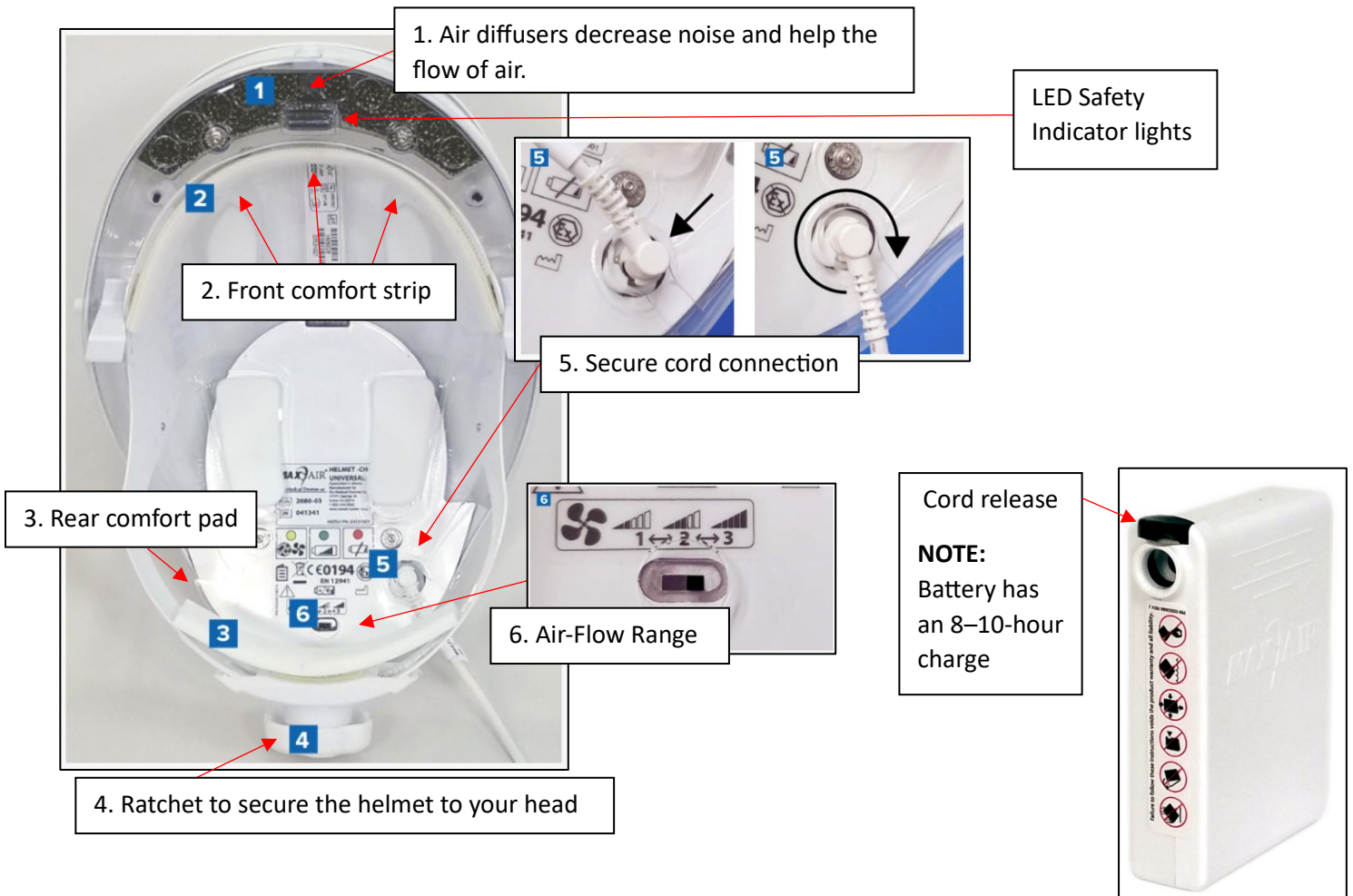
1. How the CAPR works
2. Assembling the CAPR
3. How to don and doff the CAPR
4. Disinfecting the CAPR after use

How the CAPR works



1. Contaminated air in the room
2. The motor (under the filter) creates suction, pulling in air from the room
3. The shell protects the filter
- 4 & 5. Under the shell is a filter the air is pulled through by the suction created by the motor
6. Laminar Flow area
7. Air Diffusers
8. Clean air flows into the person's breathing space

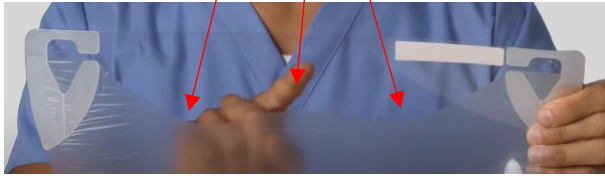
Parts of the CAPR and battery



Assembling the CAPR

1. DLC = Disposable Lens Cuff or DLC (AKA lens, shield). Always start with the medium/large DLC, unless the person has a small head.

Medium DLC – wavy chin cuff

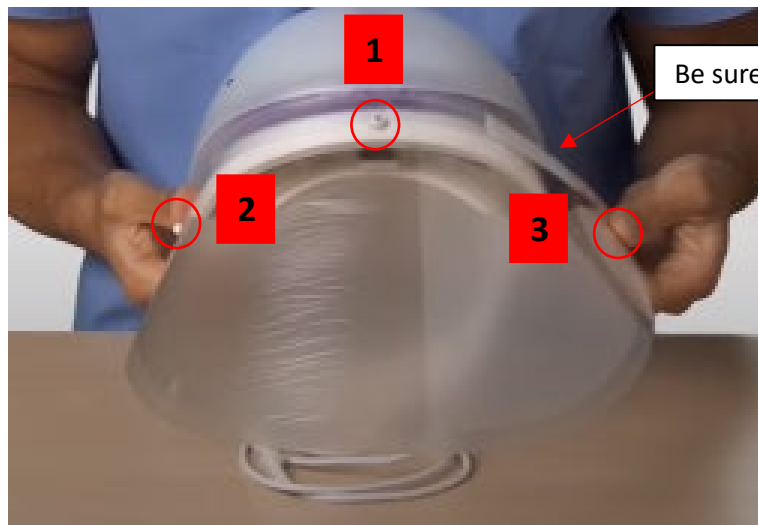


Small DLC – straight chin cuff



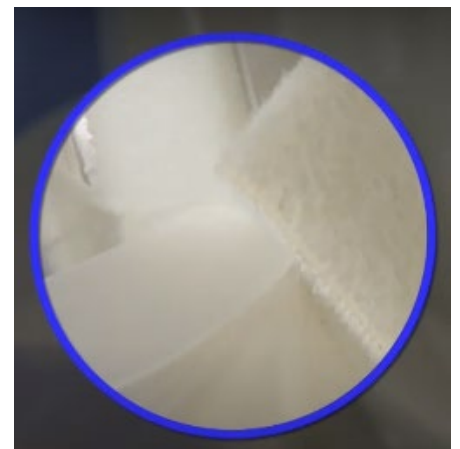
Remove the protective liner by pulling on the tab

2. Attach the DLC



Be sure the label is facing the helmet

3. Lift cuff flapper ends



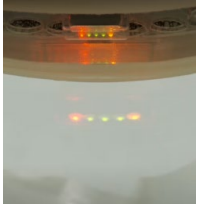
4. Connect the battery



- Twist the connector clockwise to lock it in place or clicks in place
- The battery can be placed in a pocket or worn on the belt.

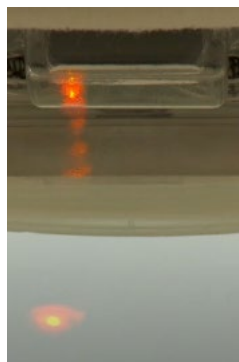
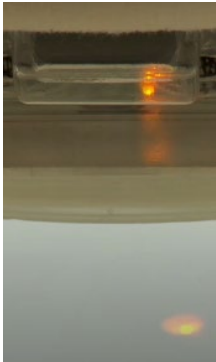
IMPORTANT NOTE: The battery will need to be INSIDE the isolation gown

5. Check the LED Safety indicators



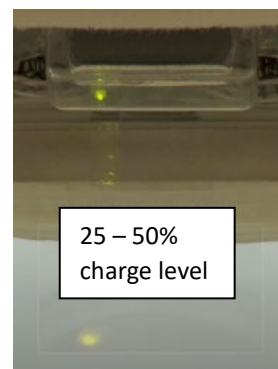
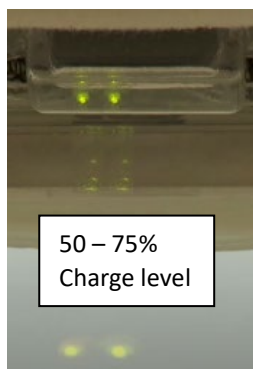
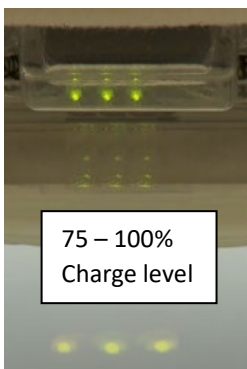
When the battery is first connected, it will do a system check and all the lights should come on. Then it will show the status of the CAPR battery and the safe operation status of the system.

The indicators are visible to the user by the reflection on the lens. The user will need to look up to see the indicators.



IMPORTANT NOTE: If airflow level is compromised or if the charge level on the battery is 25% or less, move to a safe area (if you are in an isolation room) and either replace the battery or use another CAPR.

Battery charge levels:



Donning the CAPR



1. Turn the ratchet knob counterclockwise (to the left) to loosen the headband



2. Place one hand toward the back of the CAPR, be sure your hand is in front of the cord
3. With the other hand, gently hold down the cuff on the DLC



4. Place the helmet on your head and at the same time pull the DLC cuff under your chin



5. Run your finger or fingers in the DLC cuff to straighten it out



6. Turn the ratchet knob to the right to tighten the headband to your comfort
7. Place the battery in your pocket or don the belt with the battery clipped on it



8. Check the cuff flaps are perpendicular to your head and within ¼" from your temples
9. Be sure there is tension under your chin and the cuff
10. The front headband should be approximately ½ inch above the eyebrows
11. Be sure you can see the LED indicators in your peripheral vision



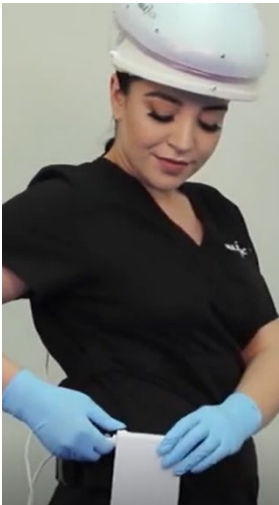
12. If you are not able to get the CAPR secure for activities adjust the headband height position
13. Don the rest of your PPE

Images: <https://www.youtube.com/watch?v=6X4EhkCAA4A>, accessed 1/29/2024

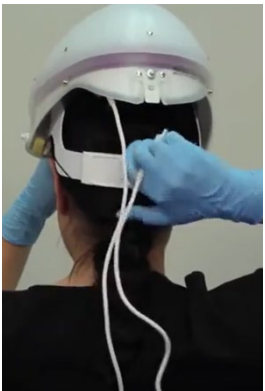
Doffing the CAPR



1. Remove the DLC, the sides first then the middle
2. Discard DLC as indicated by your facility



3. Disconnect the battery



4. Turn the ratchet knob to the left to loosen the headband



5. Lift the CAPR off your head and proceed with the facility's disinfection process and storage

Cleaning and disinfecting the CAPR

Suitable solutions for disinfection on the CAPR: Quaternary ammonium, bleach, or alcohol



1. Using gloves, place the “dirty” CAPR on a cleanable surface or on a chux pad
2. Remove the front comfort strip and discard it



3. Start on the inside of the helmet and wipe the inside of the helmet including the liner and rear headband foam cushion



4. Wipe the battery and battery cord

NOTE: The inside of the helmet, battery, and cord are cleaner than the outside of the helmet and should be wiped down first



5. Wipe the entire outside of the helmet

IMPORTANT NOTE: Do not immerse the CAPR into any liquid.



6. Attach a new front comfort strip

NOTE: Only one side of the comfort strip will stick to the velcro

7. Store the CAPR as instructed by your facility



8. Charge the battery

9. Wipe the surface you were using to clean the CAPR