



## CAUTION

User Instructions, P/N 03823080, must be thoroughly read and understood before using any MAXAIR CAPR System. (Included with each shipped CAPR IR Helmet and at [maxair-systems.com](http://maxair-systems.com), Resources, User Instructions.)



**REF** 2373-100

**P/N** 03731070

## Intended Use

The MAXAIR 2373-100 Bonnet is a disposable full facepiece cover. It is a component of a NIOSH approved PAPR100-N system that filters incoming aerosolized and droplet particulates. It is to be donned with a 2085-03 MAXAIR CAPR® Helmet with an installed PAPR100-N Filter. The Helmet is to be powered by MAXAIR Li-Ion Batteries.

## Standard System Items

## Symbol Definitions



Warning, Caution, or Note

**REF**

Catalog Number

**P/N**

NIOSH Number



## WARNING

Use only if package is received unopened and contents are undamaged. If damage is noted, contact the shipper for replacement or repair.

DO NOT use if any component is damaged. If any components are damaged or contaminated and therefore unfit for safe and effective use, they should be replaced immediately.

Failure to follow User Instructions P/N 03823080 and the instructions contained herein may be hazardous to the user's health.

Only trained and experienced personnel who have read and understand the User Instructions should use MAXAIR Products.

Prior to using any MAXAIR® System or component, be sure to be familiar with the system's NIOSH approved configuration.

The institution using this product in any application is responsible for determining the appropriateness of this equipment relative to regulatory requirements. Bio-Medical Devices Intl, Inc. does not recommend the appropriate systems for a particular institution or facility.

Use only MAXAIR NIOSH approved respirator configurations.

NOT for use in atmospheres immediately dangerous to life or health (IDLH), and atmospheres containing less than 19.5% oxygen or more than 25% oxygen

Flammability Level I: fabric may burn if exposed to open flame.

Follow current local regulations governing biohazard waste to safely dispose of single use MAXAIR Products.

If you need more information, contact your BMDI Sales Representative, or call BMDI customer service at 1-800-443-3842.



1. 2085-03 Helmet with 2051-08 Cage, 2071-20 Headband	2. 2373-100 Bonnet
	3. 2500-25 Batteries
4. 2600-03 Battery Charger	5. 2600-04 Battery Charger

The 2099-21 ChinBar is an alternate to the Headband Side Tabs

## Specifications

MAXAIR Recommended System Temperature Limits:

Use/Handling: 0°C to 54°C at a maximum 80% Relative Humidity.  
Charging: 0°C to 45°C at a maximum 80% Relative Humidity.  
Storage: 0°C to 35°C at a maximum 80% Relative Humidity.

All MAXAIR Systems, components, and disposables are latex free.

## Materials

Lens is Polycarbonate  
Fabric is Meltblown Polypropylene  
Filter is Meltblown Polypropylene

## Regulatory

PAPR100-N

### Assemble the Batteries to the Helmet



1. Grasp the Battery Compartment Cover and pull it up and off the Helmet.



2. Place the negative “-” end of one of the 2500-25 batteries into one of the right side spring holders and push down so it is fully seated against the Helmet.



3. Press that Battery's positive “+” end down similarly into the left side spring holder.



4. Repeat steps 2 and 3 for the second Battery for additional run time.



5. Place the Battery Compartment Cover snaps over the respective Helmet snaps and secure and snap and secure the cover firmly to the Helmet.

### Assemble Bonnet to the Helmet

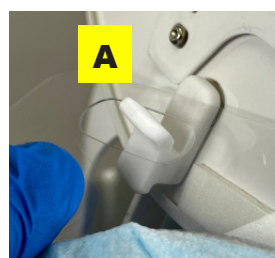


#### CAUTION

Before assembling the Bonnet, ensure the CAPR Helmet has the 2099-26 Hangers installed. Refer to User Instructions shipped with each product and available at [maxair-systems.com](http://maxair-systems.com), Resources, User Instructions.



1. With the blank side of the Bonnet Label facing forward of the Helmet, place the circular end of the Bonnet Lens front Mounting Hole over the Helmet front Mounting Adapter, then slide the lens all the way to the (wearer's) left side.



2. Pressing the lens against the Helmet foam strip, slide from center over to the (wearer's) left side Helmet Adapter, place that side Lens Hole over the top of the Adapter (A), then pull Lens down and press in just below the Hole (B) to secure top and bottom of Lens Hole onto Helmet side Adapter. Repeat for the other side.



3. Pull the bottom elastic edge of the Bonnet under and to the back side of the Lens, all along the lower edge of the Lens (inwards towards the Helmet).



4. Grasp the rear elastic edge of the Bonnet, lift it up over the Helmet and fully down in back.



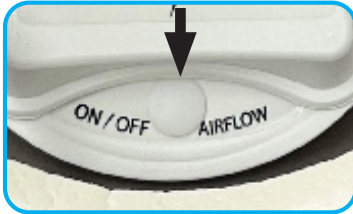
5. Place one side of the Bonnet bottom elastic edge over that side Hanger (elastic over the top edge of the Hanger Wheel, just below the bottom edge of the Helmet). Repeat for other side. The Hangers are to be positioned forward of the Side Tabs.



#### CAUTION

The Hangers are to be positioned forward of the Headband Side Tabs.

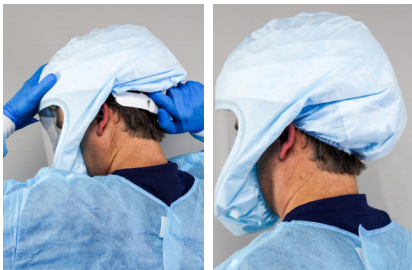
### Power on the Helmet and Don the Helmet with Bonnet



1. Power on the Helmet with a long press (2-3 seconds) of the On/Off Switch. Cycle to the desired speed by sequential short presses (<1 second), pausing between presses to allow the motor to adjust to each new setting. (When first powered up, the Helmet runs at the speed last selected on its previous use.)



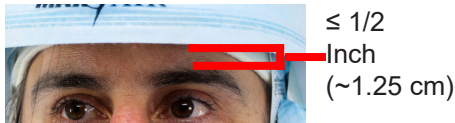
2. Loosen the Headband Ratchet Knob fully counterclockwise, and pull the front Bonnet bottom down and back under the chin while pulling the Helmet over and down on the head.



3. Tighten the Ratchet Knob (clockwise). Pull the back bottom of the Bonnet down over the Ratchet Knob so that it rests against the neck. Ensure a tight but comfortable fit for all activities.



4. Slide fingers all along between Bonnet Cuff and face from temples down, pulling the Cuff back to the neck to ensure good fit.



#### CAUTION

Optimum donning is when the helmet is secure on the head for all required movements and there is good visualization of the LED Safety Status Indicators in the upper peripheral vision.

5. Position the Helmet so that the front headband is within about 1/2 inch of the eyebrows and the rear headband is resting under the occipital bone above the vertebrae on the neck, and then tighten the Headband Adjustment Knob clockwise to ensure the most secure fit of the helmet on the head for all activities. Do not over tighten to cause discomfort.



#### CAUTION

For security and comfort, it may be necessary to change the Headband Height Adjustment, which raises and lowers the rear headband and the Helmet angle with respect to the head and positions the Lens from the chin. Unsnap the Adjustment Tabs on each side of the Headband and reposition upward or downward. Be sure both Height Adjustment tabs are in the same position.



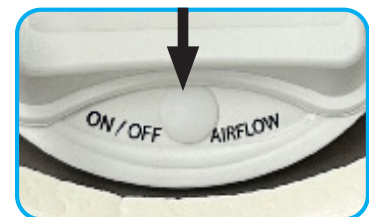
### Doff the Helmet with Bonnet and Power Off the Helmet



1. Loosen the Headband Ratchet Knob counterclockwise.



2. Lift the Helmet up, forward, and off the head.



3. Power off the Helmet with a long press (2-3 seconds) of the On/Off Switch.



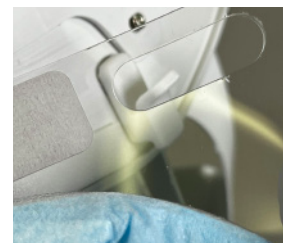
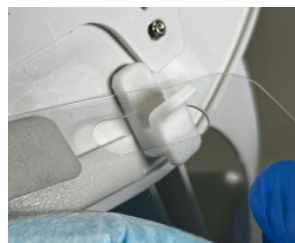
### Disassemble the Bonnet from the Helmet



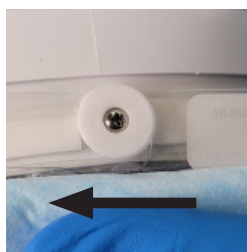
1. Lift each side of the Bonnet up and off each side Hanger.



2. Lift the Bonnet back up and over the Helmet towards the Helmet front.



3. Detach left (wearer's) Lens side from Helmet by lifting the Lens Hole bottom down, out, and up off the bottom of that side Helmet Mounting Adapter.



4. Slide the Lens to the right (wearer's) side of the Helmet and lift the Lens front out and off the Helmet front Mounting Adapter.



5. Detach right (wearer's) Lens side from Helmet by lifting the Lens Hole bottom down, out, and up off that side Helmet Mounting Adapter, and remove the Bonnet completely from the Helmet. Discard the Bonnet as contaminated waste.

### Cleaning

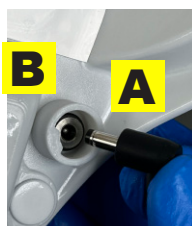


The entire CAPR IR Helmet Assembly may be cleaned with mild application of skin friendly soap and a damp cloth, and decontaminated with recommended agents - See Section 4 of User Instructions, P/N 03823080 for details.

### Charging with Batteries Assembled in the Helmet - (2600-04 Charger)



1. Plug the Charger into a secure power outlet and note that the green LED is lighted.



2. Press the Charger charging connector (A) into the Charging Port (B) on the MAXAIR Helmet. Ensure the connector is fully down onto the Port (C).



3. The LED will turn red if charging is required. When it turns back to Green, charging is completed. Reverse steps 1 and 2 to disconnect the Charger from the Helmet and the Power outlet, and store for next use.



#### NOTE

See Section 12 of User Instructions, P/N 03823080, for charging batteries removed from the Helmet with the 2600-03 charger.