User Instructions

Bonnet 2373-100

CAUTION

CAPR Base System User Instructions, P/N 03521015, must be thouroughly read and understood before using any MAXAIR CAPR System. (Included with each shipped Helmet and at 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 with filter. 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 2084-04 MAXAIR CAPR® Helmet with a set of 2099-26 Hangers assembled. The Helmet is to be powered by a MAXAIR Li-Ion Battery.

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 03521015 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.

Typical CAPR Base System with Bonnet

1. 2084-04 Helmet with 2051-08 Cage, 2071-08 Liner, 2590-05 Power Cord[1], and 2099-09 Hangers assembled	2. 2373-100 Bonnet
	3. 2500-36TSC Battery[2]
4. 2000-76 Battery Belt[3]	5. 2600-02 Battery Charger

[1] Alternate Power Cord is 2590-08
[2] Alternate Battery is the 2500-37TSC
[3] Alternate Belts include the 2000-77 and 2000-78
The 2099-09 ChinBar is an optional accessory that can be used with the system.

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

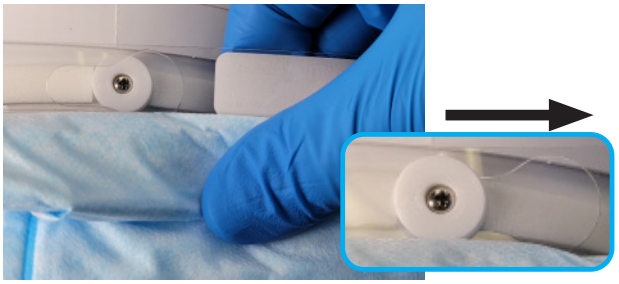
Regulatory

PAPR100-N

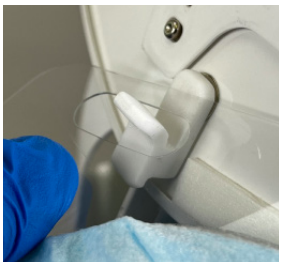
CAUTION

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, Resources, User Instructions.

Assemble Bonnet to the Helmet



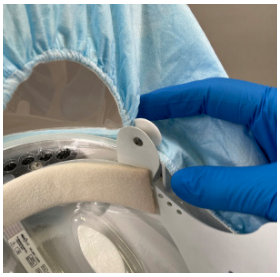
1. With the blank side of the Bonnet Label facing foward of the Helmet, place the circular end of the Bonnet Lens front Mounting Hole over the Helmet front Mounting Adapter, then slide the lens all the way to the left (wearer's) side.



2. Pressing the lens against the Helmet foam strip, slide from center over to the right (wearer's) side Helmet Adapter, place that side Lens Hole over the top of the Adapter, then pull Lens down and press in just below the Hole 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.



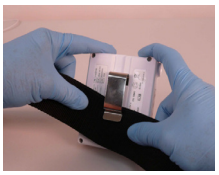
5. Place one side of the Bonnet bottom elastic edge over that side Hanger (elastic over the top edge of the Hanger Wheel, just below the bottom edge of the Helmet). Repeat for other side. The Hangers are to be positioned forward of the Side Tabs.

6. Pull the Helmet-Battery Power Cord connector through the back Bonnet Button Hole, from inside the Bonnet to the outside. Pull the entire length of the Power Cord through the Button Hole.

CAUTION

The Hangers are to be positioned foreward of the Helmet Liner Side Tabs.

Assemble and Don the Battery and Belt



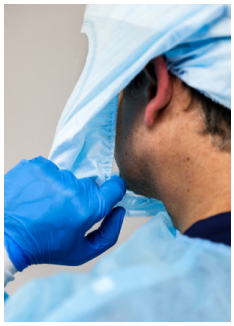
1. Place the top edge of the Belt under the Battery Clip and up to the top of the Clip so the Clip detent rests on the Clip, metal-to-metal. Place the belt comfortably around the waist with the battery near the side-back of the right hip.

2. Push the Power Cord Connector into the Battery Receptacle until the Secure Connection audibly clicks.

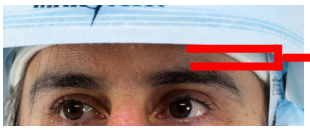
Don the Helmet with Bonnet

1. 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.

2. 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.



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



≤ 1/2 Inch (~1.25 cm)

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.

4. Position the Helmet so that the front headband is within about ½ 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 Liner 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 Helmet Liner and reposition upward or downward. Be sure both Height Adjustment tabs are in the same position.

Doff the Helmet with Bonnet

1. Loosen the Liner Ratchet Knob counterclockwise.

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

3. Press down on the Battery Secure Lock Button and pull the Power Cord Connector out of the Battery connection receptacle.

Doff the Battery and Belt

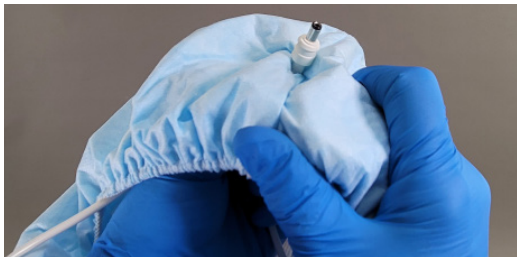
1. Disconnect the Battery Belt from around the waist by un-snapping the buckle.

2. With the Charger connected to an appropriate surge protector that is connected to the mains wall power, connect the Charger Cord to the Battery. Push the Charger Cord Connector into the Battery Receptacle until it is fully seated. (Do not depress the Secure Lock Button.)

WARNING

Refer to User Instructions P/N 03521015 for details on proper use of chargers and for charging batteries.

Disassemble Bonnet from Helmet

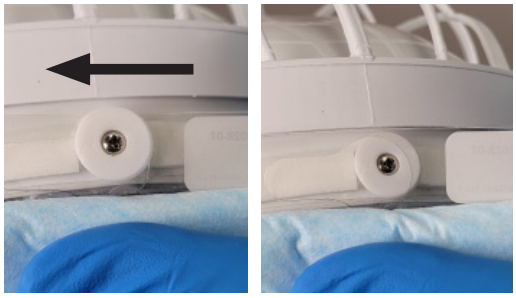


1. Pull the entire Power Cord back though the Bonnet back Button Hole.

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

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

4. 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.



5. 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.

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

Cleaning

The CAPR System may be decontaminated, cleaned and/or stored at this time.

WARNING

Discard all disposables and non-cleanable and damaged items per your institution's protocols for contaminated waste.
Refer to User Instruction Manual P/N 03521015, for details on cleaning and maintenance of your CAPR System disposables.