CF60 General Information

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ONE FOCUS. ONE RESULT.

PREPARE » RESPOND » RECOVER

Global Secure CF60

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- Developed to protect health-care workers, the Global Secure CF60 is an ideal powered-air purifying respirator (PAPR) for use in infection control and to protect against bioterrorism.
- Exceeds the Centers for Disease Control's (CDC) recommendations for protection against hazards such as tuberculosis (TB) and SARS.

CF60 Integrated System

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- The CF60 is an integrated system comprised of a three-quarter hood, breathing tube, blower, filtration system, belt and battery. The user receives a flow of filtered air.

Principles of Operation

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- A battery –powered motor-blower constantly draws air from the surrounding atmosphere. The air passes through the HEPA filter, which remove particles from the air. Filtered air passes through the breathing tube and into the hood for inhalation. Exhaled air leaves the hood around the top and chin seal.

Safety Precautions

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- Inspect the respirator thoroughly before use to assure proper operation
- **Do not** use respirator in confined space or areas of poor ventilation.
- **Do not** use respirators in explosive atmospheres
- **Do not** use the respirator where sparks or flames can contact respirator.

Safety Precautions

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- **Do not** alter or modify this respirator in any way. Use of unauthorized parts voids the NIOSH approval and may damage the respirator.
- **Do not** use this respirator for protection against gases and vapors.
- **Do not** enter a contaminated area without wearing a respirator. Do not remove the filter in a contaminated area.

Safety Precautions

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- These respirators are not designed for use in atmospheres that are:

1. Immediately dangerous to life or health
2. Have less than 19.5% oxygen content
3. Of unknown composition

If you sense warning signals such as unusual taste or smells, eye, nose or throat irritation, breathing difficulty, dizziness or nausea, **LEAVE THE CONTAMINATED AREA IMMEDIATELY.**

Filtration Assembly

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- The CF60 features a large HEPA filter with more than 1,000 square inches of HEPA material inside, providing a long filter life.

Filtration Assembly and Replacement

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- Three components

1. Filter Body
2. Pre-Filter
3. Retaining Screen

(Replace the Filtration Assembly when replacement of the pre-filter does not restore adequate airflow with a fully charged battery pack.)

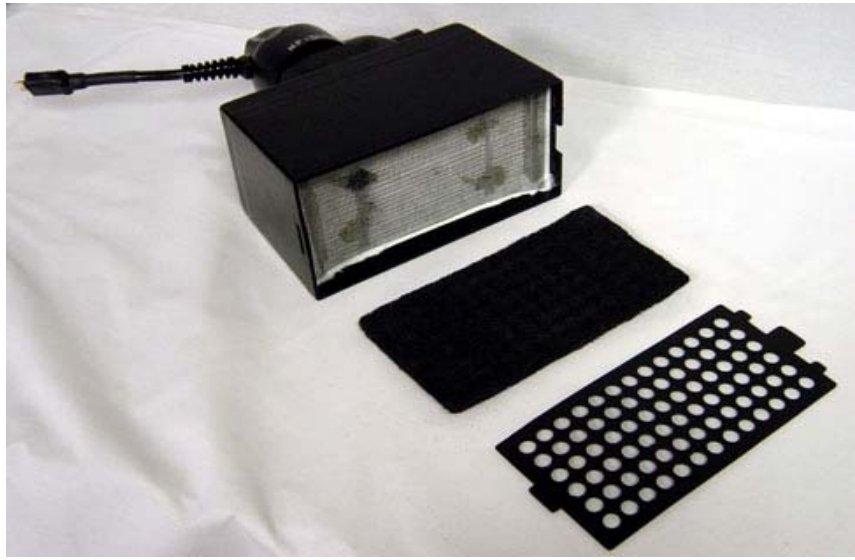

Figure 25. Filter-Blower body, Pre-filter and Retaining Screen

Rechargeable NiCad Battery Maintenance

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- Allow the battery to charge for 14-16 hours . If the battery pack is accepting the charge, the red LED on the battery charger will be illuminated.
- To maximize the battery pack life, discharge the battery completely at least every two months by operating the motor-blower for at least 5-10 hours depending on which battery you have), and then recharge it for a full 14-16 hours.

NOTE:

The batteries in the rechargeable battery packs are not replaceable. If the battery pack does not hold a charge, replace the battery pack.

Assembly

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1. If using rechargeable batteries (NP1501, NP1502, NP5605) charge the battery pack for 14-16 hours before use.
2. Attach the filter-blower unit to support belt by unsnapping the support harness loops, positioning the belt and then snapping the support harness back in place.
3. Attach the charged battery pack to support belt by threading the belt thru the loop on back of the battery pack.

Assembly

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4. Plug the cord from the battery pack into the cord from the motor-blower unit. When the cords are attached the blower will start. Battery pack NP5605 is equipped with an On/Off switch that must be depressed to activate the blower.
5. Test the airflow with the airflow indicator, by holding the Indicator over the blower outlet tube. Hold the item so that the Indicator is upright. For acceptable flow, the indicator ball should rise to or above the “MIN” indicator on the tube.

Assembly

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1.Ensure the chin seal is centered and hook loop fastener is properly attached to face shield

2. Ensure top seal is centered and hook and loop fastener is properly attached across top of face shield.

3. Attach the breathing tube to the head piece by pushing the hose over the inlet and securing with a clamp provided).

4. Attach other end of breathing tube to outlet tube on motor-blower and secure with clamp (provided)

Figure 14. A screw clamp or plastic compression clamp may be provided on hooded respirators depending on model.

Figure 15. Ensure Chin Seal and Top Seal are Centered

Respirator Donning

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- Put the belt around your waist and snap buckle in place. Adjust the belt to a comfortable fit by pulling on the free end.
- Make sure that the breathing tube is securely attached to the rear of the head piece and the outlet tube of the motor-blower.
- Plug the cord from the battery pack into the cord from the motor-blower unit to activate the blower. Airflow should be immediate.

Respirator Donning

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- Loosen the head strap ratchet by turning the adjusting knob counterclockwise.
- Adjust the head strap (over the head) so the ratchet head band rests approx. 1 inch above your ears. Ensure the head strap is snapped together to prevent loosening during use.
- Place the head piece on your head and pull the chin seal down under your chin.
- Position the face shield and adjust the head strap ratchet by turning the knob clockwise until the headpiece is snug on your head.

Respirator Donning

- Pull the top seal elastic down over the head strap in the back such that the elastic is against the head. Your ears should remain exposed.

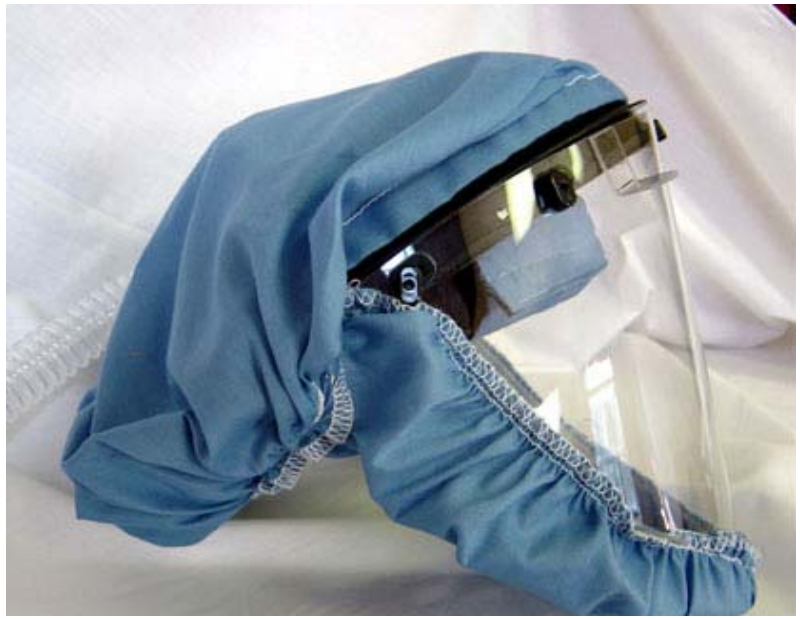

Figure 20. Top Seal Covers Chin Seal and Adjustment Knobs

Respirator Doffing

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Return to an area with clean ambient air.

- Loosen the head strap ratchet and lift the headpiece straight up over your head.
- Disconnect the waist belt and gently set unit down.
- Disconnect the battery cord from the blower or depress the On/Off switch on the battery pack (if equipped).

Decontamination

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- The respirator will often be used in applications that require decontamination of personnel and protective equipment. **Use appropriate decontamination methods for the hazard encountered.**
- Large amounts of water may damage filter and other respirator parts. **DO NOT** allow HEPA filter to get wet during decontamination. If the HEPA filter gets wet it must be replaced. **DO NOT** submerge battery packs.

Cleaning/Sanitizing

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- The respirator should be cleaned after each use. Take precautions to avoid breathing or touching the contaminants on the respirator. A vacuum with HEPA filtration may be used to remove surface contamination from the blower and head pieces or hood.

Caution

DO NOT use alcohol, solvents or harsh detergents to clean the respirator as it may cause deterioration of the components.

Cleaning/Sanitizing

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1. Remove the head piece from the motor-blower unit by removing the clamp. Then remove the top and chin seals (either cotton or tyvek components)
2. Make a cleaning solution using warm water and a mild detergent. A suitable disinfectant should be added to the cleaning solution to kill germs.
3. Submerge the head piece in the cleaning solution. Scrub gently until clean. Rinse thoroughly in the clean water. Allow to air dry.
4. Use a damp sponge soaked in the cleaning solution to wipe the exterior of the blower/filter assembly; the air hose, the battery pack and the support belt. Allow to air dry.

CF60 Storage

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- The respirator should be stored only after a proper cleaning. Make sure that the battery pack is fully charged. Store the respirator and battery pack at normal room temperature and out of direct sun light whenever possible.
- For long term storage, implement a battery check every two weeks. Follow the instructions of discharging /recharging to assure the battery pack is fully charged and has not developed a memory.