

70E SOLUTIONS 40 CAL ARC FLASH SUITS

CARE, CLEANING, AND INSPECTION GUIDELINES

Proper care, cleaning, and inspection of our 70E Solutions 40 Cal Arc Flash Suits are essential to maintaining the protective performance and service life of the equipment.

Failure to properly maintain arc rated personal protective equipment (PPE) can compromise its ability to provide protection against thermal hazards associated with electrical arc flash events.



40 CAL ARC FLASH SUIT CARE INSTRUCTIONS

The 40 Cal Series arc-rated hood, face shield, jacket, bib overalls, and all fabric components should be inspected before and after each use. When properly maintained they are engineered to provide thermal protection.

All PPE gear should be removed from service immediately if signs of excessive wear, contamination, damage, or deterioration are found during routine visual inspection.

When the 40 Cal Suit and components are not in use store them in a clean, dry environment away from direct sunlight, excessive heat, chemicals, oils, solvents, and moisture.

ROUTINE VISUAL INSPECTION

Prior to each use, you should always inspect your entire suit for:

- Tears, holes, cuts, or punctures.
- Excessive wear or thinning fabric.
- Damaged zippers, closures, or fasteners.
- Loose or broken stitching.
- Contamination from grease, oils, chemicals, or flammable substances.
- Evidence of thermal damage or burn marks.

Any component showing significant damage or contamination should be evaluated and removed from service or protective performance may be affected.

WASHING INSTRUCTIONS:

To preserve the arc rating and flame resistant (FR) properties:

- Wash garments regularly to remove dirt and contaminants.
- Machine wash with warm water with a mild liquid detergent.
- Water temperature should not exceed 140°F (60°C).
- Tumble dry low or air dry.
- Remove promptly after drying to minimize wrinkling.
- Turn garment inside out before washing for best results.
- Washing new garments before wearing is recommended.
- We recommend washing any FR garments separately from household apparel.

Warning: Failure to launder suit properly may result in loss of FR properties.

PRODUCTS TO AVOID:

The following products can negatively affect the protective performance of arc rated fabrics and should not be used. The substances listed may reduce the protective characteristics of the fabric and impact arc flash performance.

- Do not use bleach. Both chlorine bleach (sodium hypochlorite) and oxygen bleach (hydrogen peroxide) products can adversely affect the flame resistance of the fabric.
- Do not use soap. Soaps made from fatty acid salts leave a residue that may be flammable and adversely affect the thermal protection performance.
- Do not use fabric softeners or dryer sheets. Detergents containing built-in fabric softeners, starches or other laundry additives can impact the flame resistant qualities of the fabric.
- Do not use solvents or harsh cleaning chemicals.
- Do not use detergents containing hydrogen peroxide.



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CARE, CLEANING, AND INSPECTION GUIDELINES (CONTINUED)

DISINFECTION CONSIDERATIONS:

Routine disinfection is generally not required for arc rated garments. Some disinfectants may negatively affect flame resistance and arc rated properties.

- Only use disinfectants specifically recommended by the manufacturer.
- Follow all manufacturer instructions regarding dilution, application, and drying.
- When in doubt, consult the garment manufacturer before applying disinfecting products.

STORAGE RECOMMENDATIONS:

After cleaning and inspection ensure all components are completely dry before storing.

- Store the suit in the supplied gear bag or designated PPE storage area.
- Protect equipment from direct sunlight, excessive humidity, and extreme temperatures.
- Avoid placing heavy objects on the face shield or hood assembly.

SERVICE LIFE AND REPLACEMENT:

The useful life of arc rated PPE depends on frequency of use, maintenance practices, environmental conditions, and exposure to contaminants.

Replace components when:

- Visibility through the face shield becomes impaired.
- Fabric exhibits significant wear, tear, or damage.
- Fasteners, closures, zippers or seams no longer function properly.
- Components become contaminated with substances that cannot be effectively or properly removed.
- Manufacturer inspection criteria indicate the item should be removed from service.

ADDITIONAL INFORMATION:

Always follow the specific care, maintenance, inspection, and storage instructions supplied by the equipment manufacturer. Users should review the product documentation and applicable safety standards, including NFPA 70E requirements, before use.

Proper maintenance of the 70E Solutions 40 Cal Arc Flash Suit helps ensure continued protection, compliance, and performance in electrically hazardous work environments.

FACE SHIELD AND HOOD ASSEMBLY:

The Honeywell Salisbury face shield and hood assembly provide critical protection for the user's head, face, and neck during arc flash exposure.

FACE SHIELD AND HOOD INSPECTION:

Inspect the face shield before and after every use for:

- Cracks, chips, scratches, or abrasions.
- Discoloration or cloudiness that may impair visibility.
- Loose hardware, fasteners, or mounting components.
- Damage to the hood fabric, seams, or stitching.
- Signs of contamination from chemicals, paints, oils, or solvents.

Any component that shows damage affecting visibility or protection should be replaced immediately.

FACE SHIELD AND HOOD CLEANING:

- Clean the face shield after each use.
- Use warm water and a mild soap solution.
- Gently wash the shield surface using a soft cloth or sponge.
- Rinse thoroughly to remove soap residue.
- Pat dry with a clean, lint-free cloth.
- Do not use abrasive cleaners, solvents, alcohol-based products, or harsh chemicals.



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