USER MANUAL



Gebrauchsanweisungen Manuel d'utilisation Intrucciones para el usuario



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USER INSTRUCTIONS

For the following products:



PRISMSHIELD™ PLUS WEIGHT BALANCING FACE SHIELDS

Meets:

NFPA 70E PPE CAT. 2 ASTM F2178



PRISMSHIELD™ PLUS PRO-HOODS

Meets:

NFPA 70E PPE CAT. 2 , 3 or 4 This garment meets all the requirements of ASTM F1506 ASTM F2178 $\,$



PRISMSHIELD™ PLUS LIFT FRONT HOODS

Meets:

NFPA 70E PPE CAT. 2 , 3 or 4 This garment meets all the requirements of ASTM F1506 ASTM F2178 $\,$



PRO-WEAR™ PLUS ARC FLASH PROTECTIVE COATS

Meets:

NFPA 70E PPE CAT. 2, 3 or 4 This garment meets all the requirements of ASTM F1506 ASTM F2621/F2621M

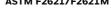


PRO-WEAR™ PLUS ARC FLASH PROTECTIVE BIB OVERALLLS

Meets:

NFPA 70E PPE CAT. 2, 3 or 4

This garment meets all the requirements of ASTM F1506 ASTM F2621/F2621M

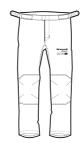




PRO-WEAR™ PLUS ARC FLASH PROTECTIVE COVERALLS

Meets:

NFPA 70E PPE CAT. 2 or 3 This garment meets all the requirements of ASTM F1506 ASTM F2621/F2621M



PRO-WEAR™ PLUS ARC FLASH PROTECTIVE OVERPANTS

Meets

NFPA 70E PPE CAT. 2 or 3 $\,$

This garment meets all the requirements of ASTM F1506

ASTM F2621/F2621M

This document outlines the proper use of Salisbury arc flash personal protective PRO-WEAR™ PLUS clothing and PRISMSHIELD™ PLUS Faceshields and Hoods. These products will be referred to as 'PPE' from this point on in this document. 'The User' shall be defined in this document as the person wearing or the entity utilizing the PPE.

As of the date of this publication, all PrismShield™ Plus PPE meet the NFPA 70E PPE Category 2, 3 or 4 for Face Protection per test method ASTM F2178. All Pro-Wear™ Plus PPE meet the NFPA 70E PPE Category 2, 3 or 4 and meet all the requirements of ASTM F1506.

The details of applicable standards and respective ratings for PPE are listed below. Refer to the product label for the specific hazard/risk category of the garment.

PRODUCTS	APPLICABLE STANDARDS/REQUIREMENTS	RATINGS
All Garments	NFPA 70E Standard for electrical safety in the workplace ASTM F1506 Standard performance specification for flame resistant and electric arc rated protective clothing worn by workers exposed to flames and electric arcs ASTM F1959 / F1959M Standard test method for determining the arc rating of materials for clothing	NFPA 70E Respective garments meet hazard risk category (HRC) Category 2 and Category 4 ASTM F1506 All garments meet performance requirements ASTM F1959 / F1959M All the fabrics used meet the minimum respective ATPV requirements of 8, 12, 20, 40, 65, 100 cal/cm²
All Face Shields and Hoods	ASTM F2178 Standard test method for determining the arc rating and standard specification for eye or face protective products	ASTM F2178 Respective face shields and hoods meet minimum ATPV requirements of 8, 12, 20, 40, 65, 100 cal/cm ²
Garments	ASTM F2621/F2621M Standard practice for evaluating response characteristics of safety products in an electric arc exposure	ASTM F2621/F2621M Respective garments meet performance requirements at ATPV of 40, 65, 100 cal/cm²

DISCLAIMER: SELECTION OF PROPER PPE MUST BE BASED ON THE USER, ENVIRONMENT AND APPLICATION AND IS THE SOLE RESPONSIBILITY OF THE END USER. HONEYWELL SALISBURY IS NOT RESPONSIBLE FOR ACCIDENTS, PROPERTY DAMAGE, INJURIES OR DEATH CAUSED BY USE OF INAPPROPRIATE PPE AND/OR BY IMPROPER USE OF PPE



CAREFULLY READ THESE INSTRUCTIONS BEFORE USING THESE PPF

1. INTENDED USE OF THE PPE

NOTE: THE PPE IS INTENDED TO PROTECT THE USER FROM THE THERMAL EFFECTS OF AN ELECTRIC ARC FLASH ONLY!

The PPE is NOT intended to be used to provide protection against other risks such as electric shock, mechanical impact, mechanical vibration, physical injury (abrasion, perforation, cuts, bites) or harmful effects of noise. The PPE is not to be used in welding applications.

NOTE: THE PPE MUST NOT COME IN TO CONTACT WITH LIVE EQUIPMENT! WHENEVER POSSIBLE, ALWAYS DE-ENERGIZE CIRCUITS BEFORE WORKING ON OR AROUND THEM.

The PrismShield™ Plus PPE is not intended to protect the user's eyes from hazards such as high speed projectiles and molten metal splash.

Compatible safety and eye protection conforming to NFPA 70E and/or European Standard EN 166, as described in section 4 of this document, must be worn in conjunction with the PPE.

The Pro-Wear[™] Plus PPE is only intended to provide protection for the limbs and torso of the user. Additional protection for neck, head, foot and hand should be provided, with the use of compatible PPE, as described in section 4 of this document.

The PPE is available in a range of Arc Thermal Performance Value (ATPV) protection classes, as shown in section 2 of this document. ATPV is equal to the amount of incident energy emitted by an electric arc that the PPE will protect before the user will start experiencing the second degree burns. It is measured in cal/cm².

For each application where there is a risk of an electric arc occurrence, a suitable Arc Flash Hazard Analysis **MUST ALWAYS** be conducted by the user to ascertain the potential incident energy that the electric arc could emit. Each application is unique and can be defined by the following factors required to conduct an Arc Flash Hazard Analysis, including but not limited to: Arc fault current, Supply voltage, Electrode gap, Number of phases of system, Electrical equipment environment (open air or enclosure), Arc duration, Distance between the PPE user and an arc, etc.

Once an Arc Flash Hazard Analysis has been conducted, the PPE of an appropriate ATPV class must be selected from the available range.

NOTE: THE ATPV CLASS OF THE PPE SELECTED FOR THE APPLICATION MUST BE HIGHER THAN THE POTENTIAL INCIDENT ENERGY FROM THE ELECTRIC ARC (ESTIMATED FROM AN ARC FLASH HAZARDS ANALYSIS) TO REDUCE THE RISK OF SECOND DEGREE BURNS, SHOULD AN ARC OCCUR

The PPE must always be worn correctly by the user when entering a hazardous area as follows: Where applicable, all zippers must be fully closed and all hook and loop flaps closed fully and flush with no hook or loop portions exposed. Waist straps, where applicable, must be tightened to fit the user snuggly (or "securely"). The PPE must always fit the user correctly. If the PPE is either too loose or too tight, the PPE will not provide an optimum level of protection as the user's movement and sight may become impeded or the user's skin or undergarments may become exposed and unprotected. The integrated hard hat, where applicable, must be correctly adjusted to firmly fit the user's head for it to remain in place for the foreseeable period of use and to allow the user minimal sight and movement impediment. This is done by turning the black adjustment knob located on the rear head strap to either tighten or loosen the head strap. All the PPE products are available in a wide range of sizes to allow the user to choose the correct fit..

Unless otherwise required for your application, hard hats are required when using this PPE to meet all necessary standards and requirements herein.

The hook and loop fastening the face shield to the fabric hood must be firmly attached and must fit flush with no hook or loop portion exposed. Front and rear flaps must drop to the user's chest and upper back respectively without any hindrance.

NOTE: THE FACE SHIELD AFFECTS COLOR PERCEPTION.

The hard hat must be replaced if subjected to a significant mechanical impact, whether it results in visible damage or not. No part of the hard hat should be removed or modified in any way.

2. CLASSES OF PROTECTION

The PPE is available in the following ATPV classes of protection:

	ATPV/EBT	CLASSES (OF PROTEC	TION AVA	AILABLE-c	ål/cm	
PPE	8	12	20	25	40	65	100
Coats	•	•	•	•	•	•	•
Over Pants	•	•	•				
Bib Overalls	•	•	•	•	•	•	•
Hoods	•	•	•	•	•	•	•
Coveralls	•	•	•	•			

These ATPV/EBT classes are a result of independent laboratory testing of the PPE to Standard ASTM F1506 as per Test Method ASTM F1959.

3. CLEANING, MAINTENANCE AND OBSOLESCENCE (END OF LIFE)

The PPE must be kept clean and dry to provide an optimum level of protection.

NOTE: SOILED PPE REDUCES EFFECTIVENESS OF PROTECTION

The following care instructions apply to the fabric component of the PPE which should be removed from the shield and hard hat assembly prior to washing. The face shield

must be unfastened and removed prior to cleaning in an ultrasonic bath or with mild soapy lukewarm water. Dry with cleaning paper or lint free cloth.



The PPE must not be washed in temperatures over 140°F (60°C).



Tumble dry at normal temperature.



Chlorine bleaches such as those containing sodium hypochlorite and oxygen bleaches such as hydrogen peroxide must not be used to wash the PPE neither directly nor as an ingredient in detergents, as they may affect the protective properties of the PPE.

To provide an optimum level of protection, the PPE must be maintained in its original condition. If the PPE becomes damaged due to factors including but not limited to rips, cuts, abrasion, perforation, or other incidents that could cause damage but may not result in visible damage, it may not provide the optimum level of protection and must be replaced before being used again.

Wear of the face shield due to scratches may cause the user's vision to become restricted. Should such wear become apparent, the face shield must be replaced with an original Salisbury part listed in section 4 of this document. To replace the face shield in a PrismShield™ Plus Hood, simply remove the fabric component of the PPE held on with hook & loop, then un-clip the shield from the hard hat by removing the retaining clips from both sides.

The expected shelf life of the PPE is five years provided that entire kit is box packed and all layers of packaging are intact, have never been opened and have never been used. Each PPE label has the tracking number followed by month and year of manufacturing, in MM-YY format. The expected service life of product is five years, from the month and year of first donning, provided that proper care and maintenance instructions are followed strictly as per the guidelines. Suspend the usage of PPE if you find mechanical damage of any kind or any other damage during the service life.

Each PPE comes with standard warranty of 12 months from the date of shipment for any workmanship defects and equivalent PPE will be provided as a replacement.

NOTE: INSPECT THE PPE BEFORE EACH USE. DO NOT ATTEMPT TO USE THE PPE FOR ITS INTENDED PURPOSE IF ITS CONDITION IS IN DOUBT!

The PPE will maintain its protective properties until its end of shelf life, end of service life, or until the condition of the PPE is in doubt, whichever occurs first.

4. COMPATIBILITY, ACCESSORIES/SPARE PARTS AND ASSEMBLY INSTRUCTIONS

The Salisbury Pro-Wear $^{\mathbb{T}}$ Plus Bib Overalls or Over Pants must be used properly with Salisbury Pro-Wear $^{\mathbb{T}}$ Plus Coats to provide the user with total limb and torso protection from the thermal effects of an electric arc flash.

NOTE: THE SUSPENDER MATERIAL OF THE SALISBURY PRO-WEAR™ PLUS ARC FLASH PROTECTION BIB OVERALLS MUST ALWAYS BE COVERED BY A SALISBURY PRO-WEAR™ PLUS COAT.

The Salisbury Pro-Wear™ Plus Arc Flash Protection Coveralls are intended for use as a single garment providing the user with both limb and torso protection from the thermal effects of an electric arc flash.

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For neck and head protection from the thermal effects of an electric arc flash, the use of a Salisbury PrismShield™ Plus Arc Flash Protective Hood with an identical ATPV class to the Pro-Wear™ Plus PPE is recommended. Please contact Salisbury for further details or questions. For enhanced eye protection safety glasses complying to ANSI/ISEA Z87.1 are recommended.

INSTRUCTIONS FOR PRISMSHIELD™ PLUS PRO HOOD

The PrismShield[™] Plus PPE must be used in conjunction with personal protective equipment of similar protective characteristics covering the rest of the user's body.

For limb and torso protection, it is recommended that either a Salisbury Pro-Wear™ Plus Arc Flash Protection Coverall, or Salisbury Pro-Wear™ Plus Coat and Salisbury Pro-Wear™ Plus Arc Flash Protective Bib Overall combination be used. Please contact Salisbury for further details.

INSTRUCTIONS FOR PRISMSHIELD™ PLUS LIFT FRONT HOOD™

Inspection of the face shield:

- 1. Ensure that face shield and fabric shroud have the same ATPV/EBT ratings.
- 2. Inspect Lift Front Hood prior to each use to ensure that there are no gaps that would expose the user to an arc flash.
- 3. Inspect the product before each use to ensure there are no cracks in the plastic components, tears in the fabric shroud or any other visible damage.
- 4. Inspect the hinge mechanism and ensure that all plastic locking points are secure.
- 5. If any of the above do not pass inspection, replace the product or component before using.

Using the face shield:

- 1. To stow the face shield in the weight balancing position, lift the shield by squeezing the tab and lifting into the up and stowed position. Visor will lock in stowed postion, if it is loose, tighten the visor by rotating wheel on both sides of visor.
- 2. To lower the shield into the deployed position, grasp the tab and pull the shield down until there is an audible click. Assure that the shield is in the final lowered position before use.



Hood in deployed position

Hood in stowed position

NOTE: NEVER LEAVE THE SHIELD IN THE STOWED POSTION WHEN INSIDE THE APPROACH BOUNDERIES AS DEFINED BY NEPA 70E

Care instructions

Face shield:

Wash with mild detergent and water. Rinse. Dry with soft cloth or chamois. If required, disassemble frame at joints and remove the window to clean the entire assembly. The pivot mechanism must not be disassembled. These components may be cleaned by washing with mild detergent under running water and air dried.

Fabric shroud:

Remove fabric shroud from hard hat/face shield assembly and follow care instructions for arc flash garments outlined in this booklet.

NOTE: THE PPE OUTLINED WITH THE LOWEST ATPV CLASS PROTECTION IS THE MAXIMUM CLASS OF PROTECTION OF THE ENTIRE PPE BEING USED.

INSTRUCTIONS FOR USE

For hand protection, it is recommended that appropriate Salisbury insulating rubber gloves must be used. For protection of insulating rubber gloves, Salisbury leather protectors gloves must be used. For foot protection, Salisbury ASTM F1117 Dielectric is recommended. Please contact Salisbury for further details.

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Spare parts available for use with the Salisbury Prism Shield™ Plus Arc Flash Protection Hoods:

Cap style hard hat: Part # N10R030000

Full brim style hard hat: Part # N20R460000

Replacement face shield for weight balancing shields 12 cal/cm²: Part # AS1200-

PP, AS1200FB-PP, AS1200U-PP and AS1200-MSA-PP

Replacement face shield for weight balancing shields 20 cal/cm²: Part # AS2000-PP, AS2000FB-PP. AS2000U-PP and AS2000-MSA-PP

Replacement face shield for 8 to 12 Cal/cm² beekeeper style hoods: Part # 1200-PP Replacement face shield for 20 to 40 Cal/cm² beekeeper style hoods: Part # 4000-PP

Replacement face shield for 65 to 100 Cal/cm² beekeeper style hoods: Part # 10000-PP

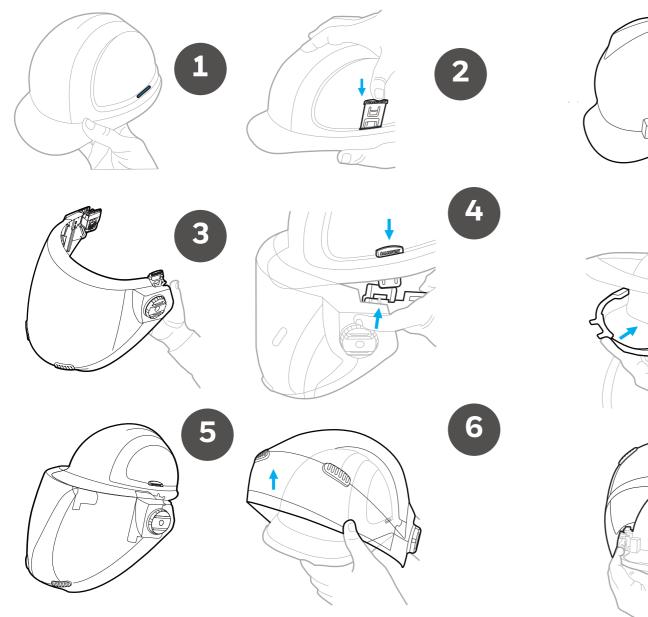
Replacement face shield for 20 Cal/cm² Lift front hoods: Part # LFH20FSA-PP

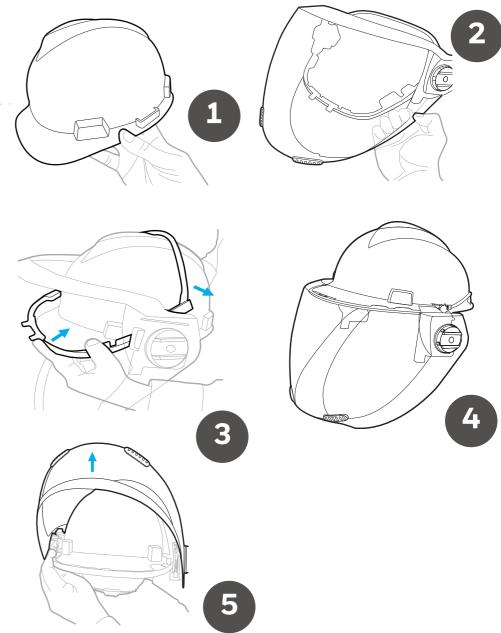
Replacement face shield for 20 Cal/cm² Lift front hoods: Part # LFH40FSA-PP

Safety eye wear: Part # 1011027HS are recommended

ASSEMBLY INSTRUCTIONS FOR WEIGHT BALANCING SHIELDS (AS1200HAT-PP, AS1200-MSA-PP, AS2000HAT-PP AND AS2000-MSA-PP)

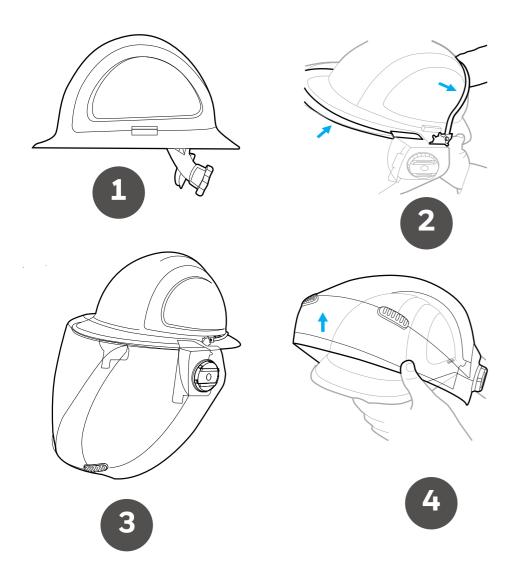
ASSEMBLY INSTRUCTIONS FOR WEIGHT BALANCING SHIELDS (AS1200U-PP and AS2000U-PP)

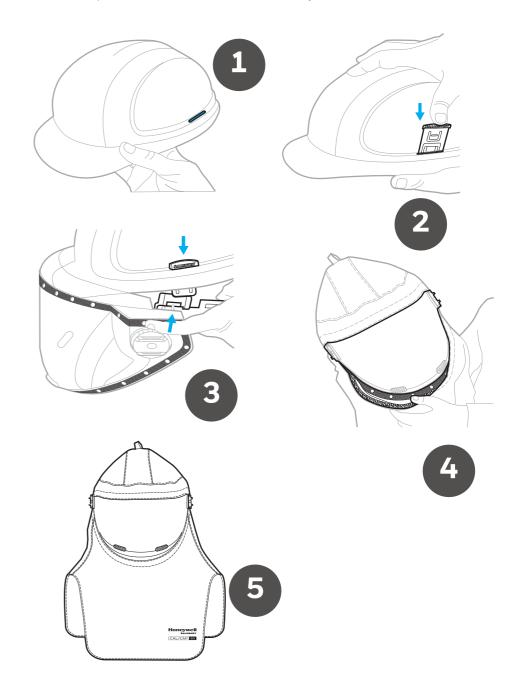




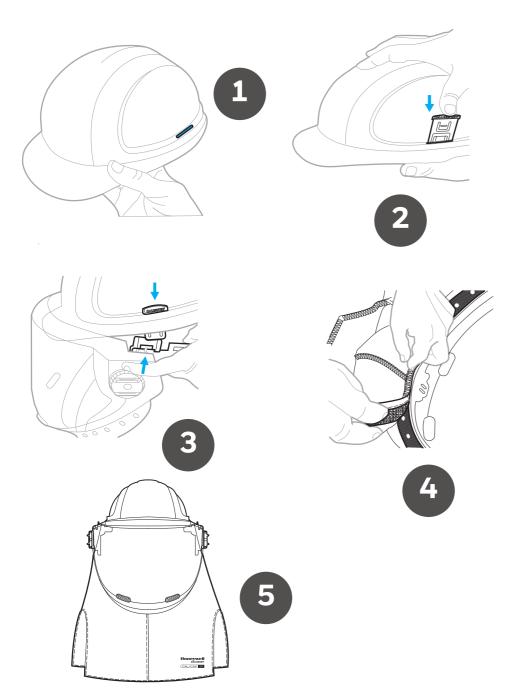
ASSEMBLY INSTRUCTIONS FOR WEIGHT BALANCING SHIELDS (AS1200HAT-FB-PP and AS2000HAT-FB-PP)

ASSEMBLY INSTRUCTIONS FOR PRO-HOODS (BEKEEPER HOODS) (FH8RG-PP, FH12RG-PP, FH20RG-PP, FH25PO-PP, FH40RG-PP, FH40PRG-PP, FH65PRG-PP AND FH100PRG-PP)





ASSEMBLY INSTRUCTIONS FOR LIFT FRONT HOODS LFH20RG-PP, LFH25PO-PP, LFH40RG-PP, LFH40PRG-PP, LFH65PRG-PP AND LFH100PRG-PP



5. STORAGE AND TRANSPORT

The PPE is packed and delivered in a polyethylene bag. The PPE must be stored and transported in a similar polyethylene bag in a dry and dust-free environment, protected from physical damage, mechanical effects, UV light, temperature extremes and chemicals which may damage the PPE and affect its protective properties.

6. SIGNIFICANT MARKINGS

Coat and Coverall have markings located on the right side of chest. For Overpants and Bib Overalls the markings are located on right thigh area. For hoods the markings are located at lower right corner. The marking is in white color lettering indicating the ATPV/EBT rating as (8, 12, 20, 25, 40, 65 or 100) after CAL/CM².

7. SIZING

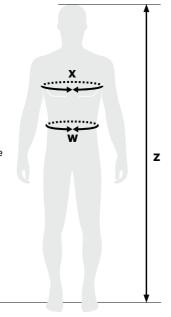
Honeywell Salisbury Arc Flash Protection Hoods are designed in universal size, i.e. one size fits to all.

For selecting appropriate garment sizes, refer following wearer body size chart as per EN 13688 guidelines. Each product label on garment is marked with below pictogram, indicating wearer body sizes in centimeters (cm), which can be considered as a guideline to select the appropriate sizes of garment.

INSTRUCTIONS FOR MEASURING THE WEARER

To obtain an accurate body measurement, use a tape measure. Follow the instructions below.

- Ask for help. Taking your own measurements can lead to inaccurate measurements, which can affect the protective properties of the PPE.
- 2. Wear only a light layer of clothing to ensure that an accurate measurement is taken
- 3. Keep tape measure flat against the body, keeping tape level and straight
- 4. Keep one finger between tape and body. It should feel comfortable, not too tight or too loose.



X (Chest)

Measure around the fullest part of your chest-just under the arms and across the shoulder blades. If your chest falls between the sizes, order the next size up.

W (Waist)

Measure aroud your natural waistline at the position your pants would normally sit.

Z (Height)

Measure from the tip of the head to the sole of the bare foot.

5. If after measuring there are changes in body size that could change garment size based on these charts, re-measure and obtain a new size garment as necessary.

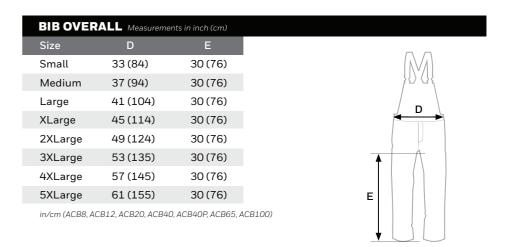
	WEARER BODY DIME	NSION RANGE IN INCH (CM	1)
Size	X (Chest)	Y (Waist)	Z (Height)
Small	34-36 (86-91)	28-30 (71-76)	67-70 (170-178)
Medium	38-40 (96-101)	32-34 (81-86)	67-70 (170-178)
Large	42-44 (106-112)	36-38 (91-96)	68-71 (172-180)
XLarge	46-48 (117-122)	40-42 (102-107)	68-71 (172-180)
2XLarge	50-52 (127-132)	44-46 (112-117)	69-72 (175-182)
3XLarge	54-56 (137-142)	48-50 (122-127)	69-72 (175-182)
4XLarge	58-60 (147-152)	52-54 (132-137)	70-73 (177-185)
5XLarge	62-64 (157-162)	56-58 (142-147)	70-73 (177-185)

For more details on garment sizes refer following pages for product dimension charts.

HOV	V TO MEAS	JRE
Α	Chest	Measure across chest, 1" below armhole edge to edge
В	Sleeve	Measure from center/back neck (base of collar) out to end of cuff
С	Length	Measure from high point shoulder to front bottom edge
D	Waist	Measure from waist side seam to side seam (relaxed and closed)
E	Inseam	Measure from mid crotch down to leg hem

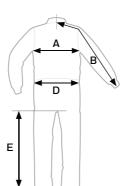
COAT			
COAT Mea	surements in inch (c	m)	
Size	Α	В	С
Small	45 (114)	36¾ (92)	29 (74)
Medium	49 (124)	371/8 (94)	30 (76)
Large	53 (135)	37% (96)	31 (79)
XLarge	57 (145)	385/8 (98)	32 (81)
2XLarge	61 (155)	393/8 (100)	33 (84)
3XLarge	65 (165)	401/8 (102)	34 (86)
4XLarge	69 (175)	401/8 (104)	35 (89)
5XLarge	73 (185)	415/8 (106)	36 (91)

in/cm (ACC8, ACC12, ACC20, ACC40, ACC40P, ACC65, ACC100)



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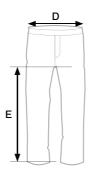
COVERALL Measurements in inch (cm) Size В D Ε Small 45 (114) 363/8 (92) 36 (91) 30 (76) 49 (124) 30 (76) Medium 371/8 (94) 40 (102) 53 (135) 44 (112) 30 (76) Large 37% (96) 30 (76) XLarge 57 (145) 385/8 (98) 48 (122) 2XLarge 61 (155) 39% (100) 52 (132) 30 (76) 65 (165) 3XLarge 401/8 (102) 56 (142) 30 (76) 4XLarge 69 (175) 401/8 (104) 60 (152) 30 (76) 5XLarge 73 (185) 415/8 (106) 64 (163) 30 (76)



in/cm (ACCA8, ACCA12)

OVER PANTS Measurements in inch (cm)

Size	D	Е
Small	34 (86)	30 (76)
Medium	38 (97)	30 (76)
Large	42 (107)	30 (76)
XLarge	46 (117)	30 (76)
2XLarge	50 (127)	30 (76)
3XLarge	54 (137)	30 (76)
4XLarge	58 (147)	30 (76)
5XLarge	62 (157)	30 (76)



in/cm (ACP8, ACP12)

8. PRODUCT PART FORMAT

Each product, coat, bib overall, coverall, overpants and hoods are assigned with part numbers. Following examples explain the meaning of each letter in the part number.

AC	С		8	F)	RG	S.	- RT	
ARC	GARMENT TYPE	Т	ATPV/EB' RATING		ишм	COLOR	SIZE	RT	
	C - Coat CA - Covera P - Over Par B - Bib Over	nt	8 12 20 25 40 65 100			RG: Red and Grey Serie O: Orange	S M S L XL 2X 3X 4X 5X	Reflective Trim	
	nber: ACC8			RG	- (C -	PP		
		F) 	RG	- (OD	PP **		

9. ADDRESS OF MANUFACTURER

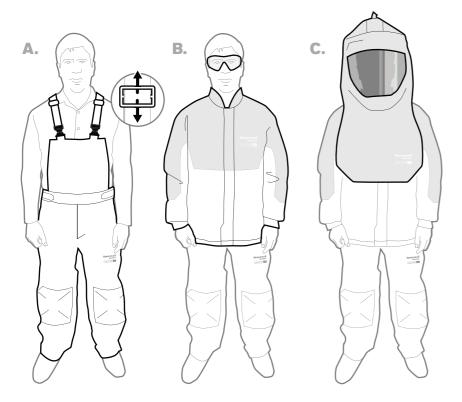
Manufactured by SALISBURY ELECTRICAL SAFETY L.L.C., P. O Box 6766, Pontius Road, Groveport, OH 43125, UNITED STATES

10. DONNING AND DOFFING PPE

First, inspect the PPE for any damages. Do not use PPE that has visible damage or was subject to an incident that could cause damage but may not result in visible damage. Remove all metal jewelry, coins, belts, etc., before wearing protective clothing

- A. Put on pants/overalls first. Adjust bib length using plastic slide adjuster
- B. Put on coat and protective eyewear
- C. Lastly, clean visor and place hood on head, adjust knob on back of hard hat for a comfortable snug fit

Remove items from body in reverse order and store in accordance with the instructions in this manual.



For more information on Honeywell arc flash protection offering visit:

https://sps.honeywell.com/us/en/products/safety/electrical-safety or scan QR code:



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