# Arc Flash Protection Head to Toe Personal Protective Equipment



The Pioneer & Technology Leader in Arc Flash PPE

FIGU	<b>URES</b> If the label does not say it, do not use it!!	Catalog Contents
Antripendistic lar. ASTM F150	F1506 details the specifications of a textile to be used by an electrical worker as a means of electrical arc protection. A garment must include a label, which states ALL six of these items to qualify	P/ Arc Flash Suits Bags Bib-Overalls – FR and FRT cotton
	as a Arc protective garment:	Blankets, Arc Suppression – FR
⇒	Tracking Identification Code	Bras – FR
⇒	Meets F1506	Briefs (Men) – FR
⇒	Manufacturer's Name	Coats – FR and FRT cotton 5,
⇒	Care Instructions & Fiber Content	Cleanroom Coveralls - FR
$\Rightarrow$	Size and other associated standard labeling	Cooling Vests – FR
$\Rightarrow$	"Arc Rating" - ATPV or E <sub>BT</sub>	Coveralls – FR & FRT cotton 5, 6, 7, 10, 11
	garments are made with a different number of fabric layers	Dailywear 10
	areas of the garment, the arc rating for each area shall be	Hoods - FR and FRT cotton 4, 5,
	Pockets, trim, closures, seams, labels and heraldry shall	Faceshields 6,
not be considered as extra layers."		Fresh Air Hood System – FR
		Gloves, Thermographers - FR
(17)	All Arc Flash Garments are not created	Long Johns (Unisex) – FR



## All Arc Flash Garments are not createa eaual!!

**ASTM F1959** 

F1959 details the standardized test method, which must be employed to determine the thermal protective value of a textile material in an Electrical Arc application.

- Stoll Curve curve used to predict the onset of a second degree burn
- Requires a minimum of 20 test data points ⇔
- ⇔ Arc Rating: ATPV: defined as the minimum incident
  - thermal energy that causes the onset of a second degree burn

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when Stoll is reached without breakopen occurring.

 $E_{\rm Br}$ : defined as the average of the five or more highest incident exposure energy values (without breakopen) below Stoll when breakopen occurs before reaching Stoll.

Look for an arc rating ATPV or E<sub>BT</sub> to insure compliance with ASTM F-1506 & NFPA 70E. No garment should be used in a hazard greater than its stated arc rating.

We do not recommend using  $E_{BTAS}$  because you will not be in compliance with F-1506 nor NFPA 70E and a second or third degree burn could result using this value.  $E_{BTAS}$  by definition is a rating above Stoll (occurrence of a second degree burn).  $E_{BTAS}$  is used primarily in the Rainwear standard (ASTM F1891).

## OSHA

**OSHA 29 CFR** 1910.269 1, 6, iii

## Flame retardant clothing is a requirement!!

"The employer shall ensure that each employee who is exposed to the hazards of flames or electric arcs does not wear clothing that, when exposed to flames or electric arcs, could increase the extent of injury that would be sustained by the employee." Note: Employee shall not wear clothing made from the following types of fabrics, either alone or in blends: acetate, nylon, polyester, rayon.

Clarifications - June 1994 - Employers must make a determination of whether or not 100% cotton or wool clothing worn by a worker is acceptable under the conditions to which the worker could be exposed. Clothing made from flameretardant or flame-resistant materials, in accordance with ASTM F1506, is acceptable under the rule.



# Clothing Used Must Prevent Second Degree Burn!!

The protective clothing selected for a particular application shall have an arc protective rating ( $E_{BT}$  or ATPV) higher than the hazard to prevent the onset of a second degree burn

- Flash hazard analysis shall be done before a person approaches a hazard ⇒
- ⇒ Employees working in areas where there is an electrical hazard shall be provided with, and shall use, appropriate protective equipment.
- The entire flash suit, including the window, shall have energy absorbing characteristics that are ⇔ suitable for the arc-flash exposure.



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# **V**oltage Does **Not** Determine Hazard Category Levels

# Why???

Knowing the voltage is only one piece for determining the Arc Flash protective clothing. The available fault current, the clearing time, the working distance and the type of equipment are also needed to determine the potential Arc Flash exposure level and the required PPE.



Before you can assess the arc flash protection needed for a task, you must first determine the potential arc flash exposure level by conducting a hazard analysis. It is the arc flash exposure level that will dictate the arc flash protection needed.

Resources for conducting hazard analysis: Electrical Engineering Studies IEEE P1584 Standard Software Programs NFPA 70E Annex D NFPA 70E Table 130.7(C)(9)(a) Oberon's STEP 1-2-3 Program

# **ARC** Series **Inherently Flame Resistant** Advanced Technology

## GARMENTS

- All fabrics, as well as sewing thread, used in construction of ARC garments are inherently Flame Resistant (FR).
- Manufactured with Oberon proprietary fabrics.
- Will remain Flame Resistant regardless of repeated laundering.
- Lightest weight arc flash garments in the industry.
- Help reduce heat stress.
- All findings, Velcro®, labels, zippers are inherently flame resistant.
- Meet or exceed the requirements of NFPA 70E and ASTM F1506.
- Each protection level is color coded for quick identification.

### HOODS

100%

90% 80%

70%

60%

50%

40%

30%

20%

10%

0%

- Manufactured with Oberon's proprietary ARCX<sup>™</sup> energy absorbing polycarbonate plastic.
- Provide superior Visible Light Transmission (VLT).
- Specially designed window for each arc level maximizes visible light transmission (VLT).
- Scratch resistant coating on the outer surface (for longer product life).
- Antifog coating on the inner surface (for improved visibility).

SUPERIOR VISIBLE LIGHT TRANSMISSION

HSC12 Facesned ARCSTREEMED

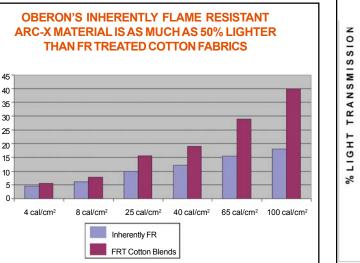
Clear tacestield

ARCATRESIE

Meet NFPA 70E, ASTM F2178 and ANSI Z87.1. 

> ARCESHOOD ARCA0 Hood ARC25 Hood ARC15Hood

ARCTOOHOO APCIADEHOOK



#### **OPTIONS**

FABRIC WEIGHT (oz/yd<sup>2</sup>)

- Custom Embroidery
- Corporate Logo Embroidered
- Garment Kits
- Reflective Tapes

#### ACCESSORIES

- Back Packs
- Hood Air System
- Storage Bags

#### **RELATED PRODUCTS**

- Arc Flash Cooling Vest
- Dailywear
- High Visibility Vests
- Rubber Insulating Gloves
- Thermographers Gloves

**n**oberon

Underwear



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# **ARC** Series **Inherently Flame Resistant**

Garments are available in sets or as single items.

Coverall Set includes: Coverall and Hood with Hard Cap. Available from 11 cal/cm<sup>2</sup> to 140 cal/cm<sup>2</sup> *Coat & Bib-Overall Set* includes: Coat, Bib-Overall and Hood with Hard Cap. Available from 15 cal/cm<sup>2</sup> to 140 cal/cm<sup>2</sup> **Refer to page10 for Oberon's ARC Series Dailywear.** 

## NFPA 70E CATEGORY 2\* ARC11 NESC C2 -2007 (12-CAL SYSTEM)

Arc Rating: 11 cal/cm<sup>2</sup> ATPV Fabric Weight: 10 oz/yd<sup>2</sup> Faceshield VLT: 60%

Item#

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# NFPA 70E CATEGORY 3 ARC25

Arc Rating: 29 cal/cm<sup>2</sup> ATPV Fabric Weight: 10 oz/yd<sup>2</sup> Hood Window VLT: 57%

Item#

SET

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Item#

IFR3A: Coverall, Hood, w/Hard Cap IFR3B: Coat. Bib-Overall. Hood w/Hard Cap

CATEGORY 5 ARC65

Arc Rating: 70 cal/cm<sup>2</sup> ATPV

Fabric Weight: 15.5 oz/yd<sup>2</sup>

Hood Window VLT: 42%

ARC25-C: Hood ARC25-CT: Hip-Length Coat ARC25-BIB: Bib-Overall ARC25-CVL: Coveralls

# NFPA 70E CATEGORY 4 ARC40

Arc Rating: 49 cal/cm<sup>2</sup> ATPV Fabric Weight: 12.1 oz/yd<sup>2</sup> Hood Window VLT: 57%

Item# IFR4A:

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Coverall, Hood, w/Hard Cap IFR4B: Coat. Bib-Overall, Hood w/Hard Cap

ARC40-C: Hood ARC40-CT: Hip-Length Coat ARC40-BIB: Bib-Overall

# IFR5A: Coverall, Hood w/Hard Cap IFR5B: Coat, Bib-Overall, Hood w/Hard Cap

ARC65-C: Hood ARC65-CT: Hip-Length Coat ARC65-BIB: Bib-Overall ARC65-CVL: Coveralls

# OBERON CATEGORY 6 ARC100

ARC40-CVL: Coveralls

Arc Rating: 106 cal/cm<sup>2</sup> ATPV Fabric Weight: 18.2 oz/yd<sup>2</sup> Hood Window VLT: 22%

Item#

IFR6A: Coverall, Hood w/Hard Cap IFR6B: Coat, Bib-Overall, Hood w/Hard Cap



SEI

Hood Hip-Length Coat ARC100-BIB: **Bib-Overall** ARC100-CVL: Coveralls





# Hood Window VLT: 18%

IFR7A: Coverall, Hood w/Hard Cap Coat, Bib-Overall, Hood w/Hard Cap Hood ARC140B-CT: Hip-Length Coat ARC140B-BIB: Bib-Overall ARC140B-CVL: Coverall

ARC140B is the only Arc Flash suit designed and tested to protect you against shrapnel as well as Arc Flash heat exposures. The suit incorporates ballistic Dupont® Kevlar® fabric.

# LCI Series, Inherently FR

## Manufactured with Dupont® Protera®.

LCI Series of arc flash garments are manufactured from Protera, a new Inherently FR fabric from Dupont®. It was developed as an alternative to FR Treated Cotton blends but without the laundering issues. For a complete comparison, consult the adjacent chart.

# FABRIC COMPARISON TABLE

	ARC <sup>®</sup> Series	LCI Series	CAT <sup>®</sup> Series
<b>***</b> = Best	Aramid & Melamine	Dupont <sup>e</sup> Protera <sup>e</sup>	CAT Series
	Fabric	Fabric	FRT Cotton Fabric
System Weight	***	**	*
Arc Rating per Weight	***	**	*
Layering Options	***	**	*
Comfort	***	**	*
Laundering	***	***	*
Durability	***	**	*
Initial Cost	*	**	***
Value in Use	***	***	**

### Garments are sold in sets or as single items.

*Coverall Set* includes: Coverall with Faceshield or Hood with Hard Cap. Available from 4 cal/cm<sup>2</sup> to 42 cal/cm<sup>2</sup> *Coat & Bib-Overall Set* includes: Coat, Bib-Overall with Faceshield or Hood with Hard Cap. Available in 8.5 cal/cm<sup>2</sup> to 42 cal/cm<sup>2</sup>



LCI 3-C: Hood LCI 3-CT: Hip-Length Coat LCI 3-BIB: Bib-Overall LCI 3-CVL: Coveralls LCI 4-CI: Hood LCI 4-CT: Hip-Length Coat LCI 4-BIB: Bib-Overall LCI 4-CVL: Coveralls

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Specify size when ordering - Available: Small to 5XL

**Coveralls and Bib-Overalls** feature ankles with Nomex<sup>®</sup> Velcro<sup>®</sup> hook and loop straps. **Coats and Coveralls** feature wrists and front closures with Nomex Velcro safety flap. **Hood Windows** and faceshields are manufactured with Oberon's proprietary ArcX<sup>™</sup> energy absorbing polycarbonate plastic. Our shields provide superior Visible Light Transmission (VLT) and have scratch resistant coating on the outer surface (for longer product life) and antifog coating on the inner surface (for improved visibility).



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# **CAT** Series **FR Treated Cotton**

# Manufactured with Flame Retardant Treated (FRT) blend of 88% cotton and 12% nylon.

Care must be taken to ensure these FR Treated Cotton garments are not washed with chlorine or oxidizing bleach. FRT Cotton is heavier than Inherently FR fabrics. FRT Cotton has limited durability (see chart on previous page). Requires strict laundering process to protect flame retardant treatment. FRT Cotton garments cost less than Inherently FR garments but will have a shorter use life. For cost and performance comparison, see charts on pages 5 and 9.

Garments are sold in sets or as single items.

**Coverall Set** includes: Coverall and Faceshield or Hood with Hard Cap. Available from 4 cal/cm<sup>2</sup> to 41 cal/cm<sup>2</sup> **Coat & Bib-Overall Set** includes: Coat, Bib-Overall & Faceshield or Hood w/Hard Cap. Available from 8.5 cal/cm<sup>2</sup> to 41 cal/cm<sup>2</sup>

> NFPA 70E CATEGORY 2 CAT2 NESC C2-2007 (8 CAL SYSTEM) Arc Rating: 8.5 cal/cm<sup>2</sup> ATPV Fabric Weight: 7.8 oz/yd<sup>2</sup> Faceshield VLT: 64%

> > Item#

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SINGL

SET

FRTC2A: Coverall & Faceshield FRTC2B: Coat, Bib-Overall & Faceshield

CAT2-CT: Coat CAT2-BIB: **Bib-Overall** CAT2-CVL : Coverall 21ARC8 AF-C+500: Faceshield



NFPA 70E CATEGORY 2\* CAT2\* NESC C2-2007 (12 CAL SYSTEM) Arc Rating: 13 cal/cm<sup>2</sup> ATPV Fabric Weight: 9.5 oz/yd<sup>2</sup> Faceshield VLT: 60%

	FRTC2STB:	Coverall, Faceshield, Hard Cap, Sock Hood Coat, Bib-Overall, Face -shield, Hard Cap, Sock Hood
ų	CAT2ST-CT : CAT2ST-BIB <sup>.</sup>	Coat Bib-Overall

CAT2ST-CVL: ARC13-BH-NB: 21ARC12AF-C+500: Faceshield

# Coverall Sock Hood

# NFPA 70E CATEGORY 3 CAT3

Arc Rating: 34 cal/cm<sup>2</sup> ATPV Fabric Weight: 15.6 oz/yd<sup>2</sup> Hood Window VLT: 52%

Item# FRTC3A: Coverall & Hood FRTC3B: Coat, Bib-Overall, Hood

CAT3-C: Hood CAT3-CT: Coat CAT3-BIB: Bib-Overall CAT3-CVL: Coverall



# NFPA 70E CATEGORY 4 CAT4

Arc Rating: 41 cal/cm<sup>2</sup> ATPV Fabric Weight: 19 oz/yd<sup>2</sup> Hood Window VLT: 51%

Item#	
FRTC4A:	Coverall & Hood
FRTC4B:	Coat, Bib-Overall, Hood
CAT4-C:	Hood

CAT4-CT: Coat CAT4-BIB: Bib-Overall CAT4-CVL: Coverall

Specify size when ordering - Available: Small to 5XL

Coveralls and Bib-Overalls feature ankle strap with (FR) hook and loop. Coats and Coveralls feature wrists and front closures with FR hook and loop. Hood Windows and faceshields are manufactured with Oberon's proprietary ArcX<sup>TM</sup> energy absorbing polycarbonate plastic. Our shields provide superior Visible Light Transmission (VLT) and have scratch resistant coating on the outer surface and antifog coating on the inner surface.

# **Arc Flash PPE Kits**

# **Convenient & Cost-Effective**

Arc Flash PPE Kits are a convenient and cost-effective way of acquiring your complete arc flash protection. Purchase together the items in the PPE Kit cost less than when purchased as individual items.

The Arc Flash PPE Kits contain either a Coverall & Hood or a Coat, Bib-Overall & Hood plus the following items: a pair of Rubber Insulating Gloves, a pair of Leather Protectors, a Glove Bag, a pair of Safety Glasses, a set of Earplugs and a Kit Bag.

When ordering Arc Flash PPE Kits, specify garment size (L-5XL), glove/hand size and glove class (00, 0, 1, 2).

Item#	Kit Type	Description	on	ATE
ARCKIT15-A	Coverall/Hood	NFPA 70	E Category 2*	15 (
ARCKIT15-B	Coat/Overall/Hood	NFPA 70	E Category 2*	15 (
ARCKIT25-A	Coverall/Hood	NFPA 70	E Category 3	30 (
ARCKIT25-B	Coat/Overall/Hood	NFPA 70	E Category 3	30 (
ARCKIT40-A	Coverall/Hood	NFPA 70	E Category 4	49 (
ARCKIT40-B	Coat/Overall/Hood	NFPA 70	E Category 4	49 (
ARCKIT65-A	Coverall/Hood	Oberon	Category 5	70 (
ARCKIT65-B	Coat/Overall/Hood	Oberon	Category 5	70 (
ARCKIT100-A	Coverall/Hood	Oberon	Category 6	106
ARCKIT100-B	Coat/Overall/Hood	Oberon	Category 6	106
ARCKIT140B-B	Coat/Overall/Hood	Oberon	Category 7	140

TPV 5 cal/cm<sup>2</sup> 5 cal/cm<sup>2</sup> 0 cal/cm<sup>2</sup> 0 cal/cm<sup>2</sup> 9 cal/cm<sup>2</sup> 9 cal/cm<sup>2</sup> 0 cal/cm<sup>2</sup> 06 cal/cm<sup>2</sup> 06 cal/cm<sup>2</sup> 40 cal/cm<sup>2</sup>



ARC140B is the only Arc Flash suit on the market designed and tested to protect **you** against shrapnel as well as Arc Flash heat exposures. The suit incorporates a layer of ballistic Kevlar® fabric.

Also available FR Treated Cotton and LCI Arc Flash Kits. Contact Oberon for details

Item #

HVS-4B-HM

# Fresh Air System 🛛 🧠

Accessory to any Oberon Arc Flash Hood to provide a flow of external air into the hood to decrease stuffiness and provide comfort.

Description

FreshAir Hood Mount



Hood to provide a flow of external air into the hood to decrease stuffiness and provide comfort. FreshAir system is designed to provide a gentle air flow into the hood. Too much air flow will irritate and dry the eye. The outside ambient air helps to purge the warm humid air from inside the hood. FreshAir system is not a NIOSH-approved respiratory system. It is designed to provide comfort to the user by driving external air into the hood. Any ArcFlash hood should be used with the appropriate respiratory protective system if one has been determined by your hazard assessment to be needed. FreshAir system cannot be fitted or retrofitted to other manufacturers' hoods.

Content

Hood Air Flow & Fan Unit

DURABLE Precision micro Swiss motor FR plastic spiral reinforced Hose Case molded of Inherently FR plastic.

#### **LIGHT WEIGHT**

Weighs less than1/2 pound Without batteries: 6 oz. With batteries: 8 oz.

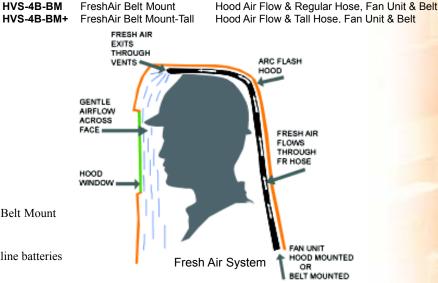
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#### PORTABLE

Size: 5" x 3" x 1.5" Mounts on lower back of Hood or optional Belt Mount

#### LONG LASTING

Runs about 2 hours on a set of 4 "AA" Alkaline batteries



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# FaceFit® ArcShield<sup>™</sup> Polycarbonate Arc Flash Faceshields

Oberon's FaceFit® ArcShield<sup>TM</sup> is designed to provide protection from low-level energy arc flash hazards. The ArcShield, when worn with a sock hood, provides protection for NFPA 70E Hazard Risk Category  $2^*$ (HRC2\*), up to 12 cal/cm<sup>2</sup>.

The FaceFit ArcShield is injection molded with Oberon's proprietary ArcX<sup>™</sup> polycarbonate energy absorbing plastic. Polycarbonate is the plastic of choice in he safety industry for impact performance. This high-tech material allows for a superior visible light transmission (VLT). The ArcShield comes standard with a hard cap with an upper and lower crown, plus side shield extenders. The upper and lower crown protect the forehead and chin. Side extenders give side head coverage including the ears.

Vision area: 14"x8" Thickness: 0.105"

All Faceshields come standard with Hard Cap. Deluxe Faceshields come with Scratch Resistant Coating on the outer surface and Antifog Coating on the inner surface. A standard shield is available uncoated.



# Tested according to ASTM F-2178-02a and ANSI Z87.1-2003.



Hazard Risk Category 1 Deluxe Shield Arc Rating 4 cal/cm<sup>2</sup> ATPV VLT 73%

Item#: 21ARC4 AF-C+500



Hazard Risk Category 2

Deluxe Shield Arc Rating 8.3 cal/cm<sup>2</sup> VLT 64%



Item#: 21ARC8 AF-C+500



Hazard Risk Category 2\*

Deluxe Shield Use with Sock Hood shown on the right Arc Rating 12 cal/cm<sup>2</sup> ATPV VLT 60%

Item#: 21ARC12 AF-C+500



FR Balaclava Sock Hood Arc Rating 13 cal/cm<sup>2</sup> ATPV Color: Navy Blue Sizes: Reg, L. XL

Item#: ARC13-BH-NB

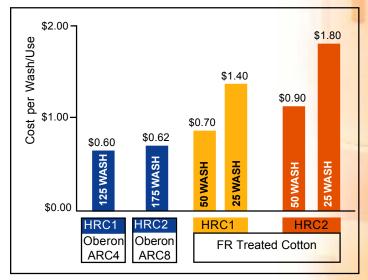
# DailyWear<sup>™</sup> Inherently Flame Resistant Shirts, Pants & Coveralls

## Is FR Treated Cotton really cheaper???

For Dailywear, laundering is a most critical issue. The garment is economical only if it lasts. Most FR Treated cotton dailywear may last through only 25 to 70 washing. Oberon's Dailywear can lasts up to 200 washing or more. While inherently FR garments are more expensive, they last longer than FR Treated cotton, offsetting the cost difference (see adjacent chart).

All fibers and components used in the construction of these garments are inherently flame resistant, including buttons, labels, Nomex® threads and Nomex zipper tape.

What does "inherent" mean for dailywear? It means you can wash it with no concerns of reducing the FR properties of the garment. These FR properties are not a treatment but are built into the chemistry of the fiber. Hundreds of washings will not reduce the inherent FR (Flame Resistant) properties. Flame retardant treated cotton (FRT) must be washed carefully to avoid the use of chlorine and oxidizing bleach. This is important if home laundering is part of your PPE program. Dailywear can require 50 or more washing per year. Launderability vs Cost



# NFPA 70E CATEGORY 1 & NESC C2-2007 (4 CAL. SYSTEM) COMPLIANT

## **ARC SERIES - ARAMID BLEND**

## SHIRT

Item#: Arc Rating: Fabric Weight: Colors: Sizes: ARC4-ST 4.2 cal.cm<sup>2</sup> 4.5 oz/yd<sup>2</sup> Denim Blue, Khaki S to 5XL Tall, Reg., Short

## PANTS

Item#:
Arc Rating:
Fabric Weight:
Colors:
Sizes:

ARC4-PT 7.3 cal.cm<sup>2</sup> 6.8 oz/yd<sup>2</sup> Navy Blue, Khaki Waist 26" - 52" Specify inseam when ordering

## COVERALL

Item#: Arc Rating: Fabric Weight: Colors: Sizes: ARC4-CVL 4.2 cal.cm<sup>2</sup> 4.5 oz/yd<sup>2</sup> Navy Blue S to 5XL



DailyWear<sup>™</sup> Shirt

Two front and two back pockets.





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# **Arc Flash Undergarments**

OSHA 1910.269 states that garments worn by workers shall not increase the severity of burn injury in the event of an arc flash incident. Garments which ignite and continue to burn on the body can increase the severity of burn injury.

If the outer layer of FR clothing breaks open in an arc flash incident, cotton underwear worn under that FR layer can ignite and can increase the severity of burn injury. Prevent this potential clothing ignition hazard by wearing all FR garments. Oberon's FR undergarments, especially our unisex long-sleeve Tee shirts and long-legged long johns will not ignite if the outer FR layer breaks open, and these FR underwear garments increase the arc rating of the total garment layering system, which reduces the probability of the onset of a second-degree burn.

Item#: ARC4-LJ Inherently FR Long John NFPA 70E Category 1 Garment Arc Rating: 4.8 cal/cm<sup>2</sup> ATPV Size: S - 5XL Item#: ARC4-TL Inherently FR Long Sleeve Tee-Shirt NFPA 70E Category 1 Garment Arc Rating: 4.8 cal/cm<sup>2</sup> ATPV Size: S - 5XL Item#: ARC4-BR Inherently FR Sports Bra No metal parts Fabric Arc Rating: 4.8 cal/cm<sup>2</sup> ATPV Size: S - XL

Item#: ARC4-WB Inherently FR Panties Fabric Arc Rating: 4.8 cal/cm<sup>2</sup> ATPV Sixe: S - 5XL

Item#: ARC4-SB Inherently FR Men's Stretched Briefs Fabric Arc Rating: 13 cal/cm<sup>2</sup> ATPV Sixe: S - 5XL

Item#: ARC4-SX-BK Inherently FR Tube Socks Fabric Arc Rating: 4 cal/cm<sup>2</sup> ATPV One Size Fits All

Item#: ARC4-TS Inherently FR Tee-Shirt Fabric Arc Rating: 4.8 cal/cm<sup>2</sup> ATPV Sixe: S - 5XL

# **Deluxe Storage Bags**



Item#: **KIT-BAG** Deluxe Carry Bag used for Arc Flash Kit. Holds Coat, Bib-Overall, Hood and Gloves. Coated Vinyl fabric with Molded Plastic Bottom with Zippered Top. 24" length, 10"width, 18" height

**Ö**OBERON





## Keep your PPE clean and organized

Item#: SHLDBAG-CANVAS Heavy Canvas Storage Bag with

Hanging Hook for your Faceshield.

Available also in light weight Nylon. Item#: SHLDBAG-NYLON

Item#: GLOVEBAG-CNVS Canvas Storage Bag for your Rubber Gloves and Leather Protectors. Available in Sizes: 12", 16"

Bags not shown:

Item#: CARRYBAG HOODBAG Leather

Description A carry bag that fits Arc Flash Hood, Coat & Bib-Overall. A canvas carry bag for Arc Flash Hood.

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# Thermographer Arc Flash Gloves

All the materials and threads used in the construction of the Thermographer Gloves are inherently flame resistant (FR). Oberon's unique Thermographer Gloves provide the highest level of arc flash protection in the market for gloves.

**STANDARDS:** Complies with NFPA 70E-2004. Tested according to ASTM F1959-04.

SIZES: Regular and Large Specify size when ordering

Item #	ATPV	Weight
ARC8-Glove	8 cal/cm <sup>2</sup>	6.3 oz/yd <sup>2</sup>
ARC15-Glove	15 cal/cm <sup>2</sup>	8.9 oz/yd <sup>2</sup>
ARC25-Glove	25 cal/cm <sup>2</sup>	10 oz/yd <sup>2</sup>
ARC40-Glove	43 cal/cm <sup>2</sup>	12 oz/yd <sup>2</sup>
ARC65-Glove	68 cal/cm <sup>2</sup>	15 oz/yd <sup>2</sup>
ARC100-Glove	103 cal/cm <sup>2</sup>	18 oz/yd <sup>2</sup>

Not for shock/electrocution protection ! Not for use in Prohibited Approach Boundary !

# **Arc Flash Cooling Vests**

All the materials used in the construction of the cooling vests are Flame Resistant (FR), in compliance with NFPA 70E. Contrary to other cooling vests on the market, the cooling packs included in Oberon's Arc Flash Cooling Vests have no hazardous chemicals, are noncombustible and are nontoxic to the skin.

Cooling packs provide cooling for several hours. Cooling time may vary depending upon the ambient temperature and the exertion level of the worker wearing the vest.



Jacket style: 8 cooling packs. Item #: CV-ARC



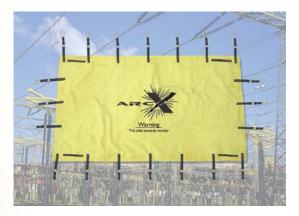
Use in conjunction with & under proper Arc rated garments.

# Arc Suppression Blankets Protective Barrier for Confined Spaces

Oberon Flashbarrier<sup>™</sup> Arc Suppression Blankets offer protection for the industrial and utility electrician from arc blasts within the work area. Ideal for confined spaces such as underground vaults and electrical rooms. The blanket will deflect the thermal energy of an arc blast occurring beyond the primary work area.

**15KA the only arc flash blanket made of noncombustible material.** It will not ignite and burn even if flame is applied directly to the fabric.

The **25KA blanket** is constructed of FR aramid fibers.



25KA blanket (photo left)		
ltem#	Description	
ARC-BLNKT-25KA-S	25KA Blanket Size: 4' x 5'	
ARC-BLNKT-25KA-L	25KA Blanket Size: 5 x 8'	
15KA blanket		
Item#	Description	
ARC-BLNKT-15KA-S	15KA Blanket Size: 4' x 5'	
ARC-BLNKT-15KA-L	15KA Blanket Size: 5 x 8'	

Special sizes upon request



# **ArcClean Coverall**



# **Complete Arc Flash Protection for Cleanroom Environment**

## **High Arc Rating, Light Weight**

The Arc-Rated Cleanroom Suit is manufactured with Oberon's patent pending CR1134 material with its high ratio of arc rating to weight. CR1134 is lighter weight (3.4oz//yd<sup>2</sup>) than the only alternative (filament aramid). CR1134 also is significantly lower in cost.

# Meets ASTM F1506 02a and NFPA 70E Standards

The Cleanroom suit is designed to be worn over Oberon arc rated dailywear or Oberon arc flash suits. The pant leg diameter is large enough to accommodate a 13EE work boot without removing the boots. The front opening has a zipper covered with a multi layer placard held in place by snaps. No portion of the snap is exposed on the inside of the suit, as required by ASTM F 1506-02a.

### **Secured Booties**

The booties go over the electrician's leather work boots and are held in place by snaps and elastic above the calf. Booties are available with optional molded rubber soles.



SET		Description Hazard Risk Category 1,2 & 2* 11 cal/cm <sup>2</sup> E <sub>BT</sub> -Cleanroom Coverall with attached Hood, -Separate pull on Knee-high Booties
	CRKIT2	Hazard Risk Category 1,2 & 2* 11 cal/cm <sup>2</sup> E <sub>BT</sub> -Cleanroom Coverall with attached Hood, -Separate pull on Knee-high Booties -Arc rated Oberon 12 cal/cm <sup>2</sup> Faceshield with Hard Cap.
KITS	CRKIT3	Hazard Risk Category 3 25 cal/cm <sup>2</sup> ATPV -Cleanroom Coverall with attached Hood, -Separate pull on Knee-high Booties -Arc rated Oberon Faceshield with Hard Cap. -Sock Hood -ARC 15 Inherently FR Coverall.
	CRKIT4	Hazard Risk Category 4 40 cal/cm <sup>2</sup> ATPV -Cleanroom Coverall with attached Hood, -Separate pull on Knee-high Booties -Oberon Faceshield with Sock Hood and Hard Cap. -ARC 25 Inherently FR Coverall.





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Item# STEP123ENV



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Lit #: ArcCat-MMVIIv2