

# FLAME RESISTANT

## STANDARDS MADE SIMPLE

### ANSI/ISEA 107-2015 Standard

Since 1999, the standard has been recognized by federal, state and local authorities as well as private industry and provides performance criteria for materials used, specifies minimum areas and recommends placement of the materials. The standard's performance requirements focus on color and brightness of garments relative to the work environment and the combined use of fluorescent and retroreflective materials to make a person conspicuous in all light conditions, day and night. ANSI/ISEA 107-2015 includes criteria for flame resistance (FR) as an optional feature of high-visibility personal protective equipment. High-visibility apparel marked as FR must be certified as complying with one of the FR tests cited in the standard.

### ASTM F1506 and NFPA 70E Standards

Garments that meet these standards are ideal for workers exposed to momentary electrical arc and related thermal hazards. Applications: Utility workers, Welders, First responders, Railroad workers, Oil & Gas workers

### NFPA 2112-2018 Standard

Protection against flash fire. Garments that meet this standard are made from UL approved components. The garment itself must be UL approved - if not the garment is not NFPA compliant! Applications: Electrical, Utility and Oil & Gas to name a few.

### ASTM F1891 Standard

Electrical Arc specific to FR rainwear

### ASTM F2733 Standard

Protection against Flame Hazards (i.e. flash fire) specific to FR rainwear



## BUILT FR.

OccuNomix has always engineered its FR garments to the highest standards possible – without compromise. So when choosing OccuNomix FR garments, you can feel confident that we've got you covered!



# BLACK BOTTOM VEST

## FR-VM2142

- 5.8 oz Mesh Modacrylic/Aramid
- 2" OCX™ Patented Segmented Reflective Tape
- Black bottom hides dirt!
- Hook & Loop Closure
- Flame Resistant Thread
- Flame Resistant Binding
- 25 Washes
- Pockets: 1 Outer Lower Right
- Sizing: M-5X





# DUAL CERTIFIED FLAME RESISTANT

Don't miss the  symbol for dual certified items.



**FR-TCR1200**

- 6 oz Flame Resistant Treated Cotton
- Flame Resistant Thread
- Flame Resistant for the life of the garment
- Classified by UL to NFPA 2112-2018
- Sizing: M-5X



**FR-TM2212 (Long Sleeve)**  
**FR-TM2112 (Short Sleeve)**

- 6.25 oz Modacrylic/Rayon/Aramid
- 2" Flame Resistant Reflective Tape
- Flame Resistant Thread
- Classified by UL to NFPA 2112-2018
- Pockets: 1 Chest Pocket
- 25 Washes
- Sizing: M-5X



**FR-TM2243**

- 6.25 oz Solid Modacrylic/Rayon/Aramid
- 5.5 oz Navy Flame Resistant Cotton - hides dirt
- 2" OCX™ Patented Segmented Reflective Tape
- Flame Resistant Thread
- Classified by UL to NFPA 2112-2018
- Pockets: 1 Chest Pocket
- 25 Washes
- Sizing: M-5X



**LUX-SWTZFR**

- 14.25 oz Modacrylic/Cotton Fleece
- Zipper Closure with storm flap
- High Neck Extended Hoodie for extra warmth
- Draw Cord Hood
- Flame Resistant Thread
- Flame Resistant for the life of the garment
- Classified by UL to NFPA 2112-2018
- Pockets: 2 Lower Front
- Sizing: M-5X



**LUX-SWTFR**

- 14.25 oz Modacrylic/Cotton Fleece
- Draw Cord Hood
- Flame Resistant Thread
- Flame Resistant for the life of the garment
- Classified by UL to NFPA 2112-2018
- Pockets: 1 Pouch
- Sizing: M-5X



**FR-SM2313 (Zipper - 2 Pockets)**  
**FR-SM2213 (Pullover - 1 Pocket)**

- 14.25 oz Modacrylic/Cotton/Polyester Fleece
- 2" Flame Resistant Reflective Tape
- FR-SM2313 is a high neck extended zipper hoodie with storm flap
- Draw Cord Hood
- Flame Resistant Thread
- Classified by UL to NFPA 2112-2018
- Pockets: 2 Lower Front (FR2313), 1 Pouch (FR-SM2213)
- 25 Washes
- Sizing: M-5X





# ASTM F1506 AND NFPA 2112-2018 COMPLIANT

## FR-VM1112

- 6.5 oz Solid Tencel/Modacrylic/Aramid
- 2" Flame Resistant Reflective Tape
- Flame Resistant Hook & Loop Closure
- Flame Resistant Thread
- Flame Resistant Binding
- Classified by UL to NFPA 2112-2018
- Pockets: 1 Outer Lower Right
- 25 Washes
- Sizing: S-5X



**DUAL CERTIFIED FLAME RESISTANT**

DUAL CERTIFIED GARMENT?  
 Garments are certified to:  
**ASTM F1506** – arc flash protection  
**NFPA-2112-2018** – flash fire protection

OCX™ Flame Resistant garments are certified by UL to **NFPA 2112-2018**. That means UL has verified each garment component, the factory and the garment as a whole all comply with the safety standard for flash fire. Look for the label inside the garment with the UL symbol

**NEW**

NFPA 2112-2018  
 NFPA 70E  
 ASTM F1506

**5 PT. BREAK AWAY**

Westex DH

## FR-VM1312

- 6.5 oz Solid Tencel/Modacrylic/Aramid
- 2" Flame Resistant Reflective Tape
- 5 Pt. Break-Away at shoulders, sides & front
- Flame Resistant Hook & Loop Closure
- Flame Resistant Thread
- Flame Resistant Binding
- Classified by UL to NFPA 2112-2018
- 25 Washes
- Sizing: S-5X



**NEW**

NFPA 2112-2018  
 NFPA 70E  
 ASTM F1506

Westex DH

## FR-VM1122

- 6.5 oz Solid Tencel/Modacrylic/Aramid
- 2" Flame Resistant Reflective Tape
- Flame Resistant Hook & Loop Closure
- Flame Resistant Thread
- Flame Resistant Binding
- Classified by UL to NFPA 2112-2018
- Pockets: 1 Outer Lower Right
- 25 Washes
- Sizing: S-5X







# FR RAINWEAR

We offer a CAT 2 FR rainwear jacket and bib pants, with the highest level of comfort. Arc & flash fire protection ASTM F1891 and F2733 compliant.



### LUX-TJR/FR

- 10.25 oz PVC Coated Modacrylic/Cotton Jersey
- 3M™ Scotchlite™ Reflective Material
- Waterproof with high frequency welded seams
- Storm flap covers non-sparking zipper and snap closure
- Raglan Sleeves
- Attached hood fits over regular brim hard hat
- Garment is logo'd with Arc Rating
- Modacrylic Mesh vented back with D-Ring access
- ASTM F1891(ARC FLASH) and F2733 Compliant (FLASH FIRE)
- Pockets: 2 flapped front
- Sizing: XL-6X



### LUX-TBIB/FR

- 10.25 oz PVC Coated Modacrylic /Cotton Jersey
- 3M™ Scotchlite™ Reflective Material
- Waterproof with high frequency welded seams
- Snap Side Closure
- Garment is logo'd with Arc Rating
- ASTM F1891(ARC FLASH) & F2733 Compliant (FLASH FIRE)
- Pockets: 1 Pass through
- Sizing: M-6X





# COTTON RICH FR®

The first arc rated and ANSI compliant cotton vests on the market. Made of a Flame Resistant Cotton/Polyester Blend. OccuNomix FR Cotton Vests have a higher arc rating than Modacrylic and are also more economical.



NFPA 70E  
ASTM F1506

D-RING ACCESS SLOT

### FR-VCR1122

- 7 oz Flame Resistant Solid Cotton/Polyester
- 2" Flame Resistant Reflective Tape
- D-Ring Access Slot
- Flame Resistant Hook & Loop Closure
- Flame Resistant Thread
- Flame Resistant Binding
- NFPA 2112 Compliant Fabric
- Pockets: 1 Outer Lower Right
- 25 washes
- Sizing: S-5X

ANSI R2 1 ATPV 9.5 LO GO



NFPA 70E  
ASTM F1506

5 PT. BREAK AWAY

### FR-VCR1312

- 7 oz Flame Resistant Solid Cotton/Polyester
- 2" Flame Resistant Reflective Tape
- 5 points break-away at shoulders, sides & front
- Flame Resistant Hook & Loop Closure
- Flame Resistant Thread
- Flame Resistant Binding
- NFPA 2112 Compliant Fabric
- 25 washes
- Sizing: M-5X

ANSI R2 1 ATPV 9.5 LO GO



NFPA 70E  
ASTM F1506

BEST SELLER

### FR-VCR1112

- 7 oz Flame Resistant Solid Cotton/Polyester
- 2" Flame Resistant Reflective Tape
- Flame Resistant Hook & Loop Closure
- Flame Resistant Thread
- Flame Resistant Binding
- NFPA 2112 Compliant Fabric
- Pockets: 1 Outer Lower Right
- 25 washes
- Sizing: M-5X

ANSI R2 1 ATPV 9.5 LO GO



NFPA 70E  
ASTM F1506

BEST SELLER

### FR-VCR1213

- 7 oz Flame Resistant Solid Cotton/Polyester
- 2" Flame Resistant Reflective Tape
- Flame Resistant Hook & Loop Closure
- Flame Resistant Thread
- Flame Resistant Binding
- NFPA 2112 Compliant Fabric
- Pockets: 1 Outer Lower Right
- 25 washes
- Sizing: M-5X

ANSI R3 1 ATPV 9.5 LO GO



NFPA 70E  
ASTM F1506

BEST SELLER

### LUX-XSGFR

- 6 oz Flame Resistant Solid Treated Cotton
- 2" Reflective Tape
- Hook & Loop Closure
- Nomex® Thread
- Flame Resistant Binding
- 50 washes
- Sizing: S/M-4X/5X

ATPV 7.2 LO GO



NFPA 70E  
ASTM F1506

### LUX-XFR

- 6 oz Flame Resistant Solid Treated Cotton
- 2" Reflective Tape
- Hook & Loop Closure
- Nomex® Thread
- Flame Resistant Binding
- 50 washes
- Sizing: S/M-4X/5X

ATPV 7.2 LO GO



# ARC FLASH GARMENTS



NFPA 70E

ASTM F1506

**NEW**

AVAILABLE JUNE 2019

D-RING ACCESS SLOT

**FR-VM2213**

- 5.8 oz Mesh Modacrylic/Aramid
- 2" 3M™ Scotchlite™ Reflective Material - Industrial Wash Flame Resistant Fabric
- D-Ring Access Slot
- Flame Resistant Hook & Loop Closure
- Flame Resistant thread
- Flame Resistant binding
- Pockets: 1 Outer Lower Right
- 50 Home / 30 Industrial Washes
- Sizing: M-5X



NFPA 70E

ASTM F1506

**BEST SELLER**

**LUX-SSFGCFR**

- 5.8 oz Mesh Modacrylic/Aramid
- 2" 3M™ Scotchlite™ Reflective Material - Industrial Wash Flame Resistant Fabric
- Flame Resistant Hook & Loop Closure
- Flame Resistant Thread
- Flame Resistant Binding
- Pockets: 1 Outer Lower Right
- 50 Home / 30 Industrial Washes
- Sizing: M-5X



NFPA 70E

ASTM F1506

**LUX-SSGC/FR**

- 5.8 oz Mesh Modacrylic/Aramid
- 2" 3M™ Scotchlite™ Reflective Material - Industrial Wash Flame Resistant Fabric
- Flame Resistant Hook & Loop Closure
- Flame Resistant Thread
- Flame Resistant Binding
- Pockets: 1 Outer Lower Right
- 50 Home / 30 Industrial Washes
- Sizing: M-5X



NFPA 70E

ASTM F1506

5 PT. BREAK AWAY

**LUX-SSBRPFR**

- 6.2 oz Solid Modacrylic/Aramid
- 2" 3M™ Scotchlite™ Reflective Material - Industrial Wash Flame Resistant Fabric
- Flame Resistant Hook & Loop Closure
- 5 Pt. Break-Away: Break at shoulders, sides & front
- Flame Resistant thread
- Flame Resistant binding
- 50 Home / 30 Industrial Washes
- Sizing: M-5X



NFPA 70E

ASTM F1506

**LUX-SSFG/FR**

- 6.2 oz Solid Modacrylic/Aramid
- 2" 3M™ Scotchlite™ Reflective Material - Industrial Wash Flame Resistant Fabric
- Flame Resistant Hook & Loop Closure
- Flame Resistant thread
- Flame Resistant binding
- Pockets: 1 Outer Lower Right
- 50 Home / 30 Industrial Washes
- Sizing: S-5X



NFPA 70E

ASTM F1506

**BEST SELLER**

**LUX-SSG/FR**

- 6.2 oz Solid Modacrylic/Aramid
- 2" 3M™ Scotchlite™ Reflective Material - Industrial Wash Flame Resistant Fabric
- Flame Resistant Hook & Loop Closure
- Flame Resistant Thread
- Flame Resistant Binding
- Pockets: 1 Outer Lower Right
- 50 Home / 30 Industrial Washes
- Sizing: M-5X







**NFPA 70E**  
**ASTM F1506**

**BEST SELLER**

**LUX-LST2/FR**

- 7.75 oz Modacrylic/Cotton/Poly
- 2" Reflective Tape
- Nomex® thread
- Pockets: 1 Chest Pocket
- 25 Washes
- Sizing: M-5X

**ANSI R2** **1** **NATPV 10** **LO GO** 



**NFPA 70E**  
**ASTM F1506**

**LUX-TP2/FR**

- 7.75 oz Modacrylic/Cotton/Poly
- 2" Reflective Tape
- Nomex® thread
- Pockets: 1 Chest Pocket
- 25 Washes
- Sizing: M-5X

**ANSI R2** **1** **NATPV 10** **LO GO** 



**NFPA 70E**  
**ASTM F1506**

**LUX-LSTFR**

- 6.5 oz Midnight Modacrylic Cotton Interlock
- Flame Resistant Thread
- Flame Resistant for the life of the garment
- Sizing: M-3X

**NATPV 9.8** **LO GO** 



**NFPA 70E**  
**ASTM F1506**

**BEST SELLER**

**Westex® DH**

**LUX-HRC2FR**

- Tercel®/Modacrylic/Aramid Blend
- NFPA 2112 Compliant Fabric
- 2" 3M™ Scotchlite™ Reflective Tape
- Flame Resistant Hook & Loop Closure
- Nomex® thread
- Flame Resistant binding
- Pockets: 1 Outer Lower Right
- 25 Washes
- Sizing: M-5X

**ANSI R2** **1** **NATPV 8.6** **LO GO**  **3M Scotchlite® Reflective Material**



**NFPA 70E**  
**ASTM F1506**

**BEST SELLER**

**LUX-SWT3FR**

- 10 oz Modacrylic/Cotton/Poly Fleece
- 2" 3M™ Scotchlite™ Reflective Material
- Draw Cord Hood
- Flame Resistant thread
- 25 Washes
- Pockets: 1 Pouch
- 25 Washes
- Sizing: M-5X

**ANSI R3** **1** **NATPV 19.7** **LO GO**  **3M Scotchlite® Reflective Material**



**NFPA 70E**  
**ASTM F1506**

**LUX-SWT3ZFR**

- 10 oz Modacrylic/Cotton/Poly Fleece
- 2" 3M™ Scotchlite™ Reflective Material - Industrial Wash Flame Resistant Fabric
- Zipper Closure with storm flap
- High Neck Extended Hoodie for extra warmth
- Draw Cord Hood
- Flame Resistant thread
- Pockets: 2 Lower Front
- 50 Home/30 Industrial washes
- Sizing: M-5X

**ANSI R3** **2** **NATPV 19.7** **LO GO**  **3M Scotchlite® Reflective Material**



# COLD STRESS MEETS ASTM F1506 NFPA 70E

**BEST SELLER**

**FLAME RESISTANT COTTON TWILL**










**2-WAY PREMIUM SHOULDER LENGTH**

Zip-on and off bottom shell to wear two-ways. 6 oz FR Cotton Twill upper shell. 6.5 OZ. Modacrylic /Cotton Jersey upper lining. 18 OZ. Modacrylic/Cotton/Spandex soft rib knit with double button neck closure lower. Insulated ear barrier DuPont™ Tyvek® lined warming pockets and metal Nomex® Zipper.

UPPER CAP UNZIPS FROM LOWER LINER

**LZ620-FR** 2 LAYERS  

**SYMBOL LEGEND**

-  Warming Pocket
-  Warming Pocket lined with DuPont™ Tyvek®
-  Reflective Strip
-  FR Treated until washed
-  Warmest
-  Warmer
-  Warm

**LENGTH GUIDE**

SHOULDER	MID	REGULAR
14-16"	11-13"	9-10.5"

 **ALL WINTER LINERS COME RETAIL READY**

**FR COTTON TWILL**  **FR COTTON TWILL**  **FR MODACRYLIC COTTON RIB KNIT** 

SS550-FR	SX700	SP590	LP690	LZ621-FR
Wind Resistant	Superior Warmth	2 Layer Warmth		1 Layer
				
<b>8.2 OZ PLUSH VELOUR NOMEX®/KEVLAR LINING SHOULDER LENGTH</b>	<b>10 OZ QUILTED WITH 3M™ THINSULATE LINING SHOULDER LENGTH</b>	<b>6.5 OZ MODACRYLIC/COTTON JERSEY LINING SHOULDER LENGTH</b>	<b>6.5 OZ MODACRYLIC/COTTON JERSEY LINING MID LENGTH</b>	<b>8 OZ MODACRYLIC/COTTON/SPANDEX RIB KNIT SHELL SHOULDER LENGTH</b>
				
				

## TUBE LINERS & GAITER



WEAR MULTIPLE WAYS

**TNG-FR**

- 6 oz Modacrylic/Tencel Spandex Jersey Knit
- Nomex® Thread



**BEST SELLER**





**LK910NFR** (Full Face)  
**RK900NFR** (Hard Hat)

- 8.75 oz Nomex® Rib Knit

 DuPont™ **Nomex.**



**LK910FR** (Full Face)  
**RK900FR** (Hard Hat)

- 9.5 oz Modacrylic Soft Rib Knit
- Nomex® Thread





# FR BALACLAVAS

## SFR320

- 9.5 oz Modacrylic/Cotton/Spandex Rib Knit
- Ergonomically shaped, form fitting
- OccuNomix Reflective FR Skull Logo on back
- Flame resistant for the life of the garment



Reflective OccuNomix FR Skull Logo on back



## 1070FR

- 5.8 oz Nomex®/Kevlar® Blend
- Warm lightweight fleece
- Super Soft Velour inner/ Jersey outer
- Kevlar® Thread
- Drawstring for adjustable / snug fit
- Hook & Loop tabs attachment to hard hat
- Flame Resistant for the life of the garment



**BEST SELLER**

# FR HATS

## RFR320

- 9.5 oz Modacrylic/Cotton/Spandex Rib Knit
- Ergonomically shaped, form fitting
- OccuNomix Reflective FR Skull Logo on back
- Flame resistant for the life of the garment



Reflective OccuNomix FR Skull Logo on back



## 1079

- 8.75 oz. Nomex® Rib Knit
- Double layer of 7.8 cal/cm<sup>2</sup> ATPV rated knit
- Flame resistant for the life of the garment





# FR HEAT STRESS

## PHASE CHANGE COOLING VESTS

- Cooling effect lasts for hours maintaining a constant temperature of 65° Fahrenheit for consistent cooling
- Cooling packs made from non-toxic materials
- Adjustable fit at shoulders and torso for cooling your core
- Available in regular or flame resistant
- To activate place cooling packs in freezer for an hour or soak in ice water for 20 minutes

**20 MINUTES IN ICE WATER, 1 HOUR IN FREEZER**



**MIRACOOOL PHASE CHANGE TECHNOLOGY**

**NFPA 70E**

**ASTM F1506**

**PC-VVFR-NB** (Vest with Cooling Pack)  
**PC-VST-VVFR** (Vest Only)

- 6 oz Flame Resistant Treated Cotton
- Weighs 6.5 lbs
- Adjustable Mid Section & Shoulders



**MIRACOOOL PHASE CHANGE TECHNOLOGY**

**NFPA 70E**

**ASTM F1506**

**PC1** (Vest with Cooling Pack)  
**PCV1** (Vest Only)

- 6 oz Flame Resistant Treated Cotton
- Weighs 3.5 lbs
- Adjustable Hook & Loop
- 3M™ Thinsulate™ Insulation
- Gloss Tape

### COOLING PACKS



**PC-CPK**  
 (SET OF 2)  
 USE WITH: PC-VV, PC-VVFR



**PCP1**  
 (SET OF 2)  
 USE WITH PC1, PCV1



**TN5-INFR**

- 6 oz FR Treated Cotton
- Tie for secure fit
- Nomex® Thread



**969-FR**

- 6 oz FR Treated Cotton
- Hard Hat Pad and Shade
- Fastens with Hook & Loop

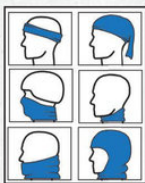


**TNG-FR**

- 6 oz Modacrylic/Tencel Spandex Jersey Knit
- Nomex® Thread



**BEST SELLER**



WEAR MULTIPLE WAYS



**940-FR**

- 6 oz FR Treated Cotton
- Cooling Bandana
- Nomex® Thread

