



NATIONAL
SAFETY APPAREL®

FR CLOTHING CATALOG

PROUDLY MANUFACTURING
IN THE USA SINCE 1935



We Are NSA

“From our modest beginnings in the midst of the Great Depression to the 4th generation now at the helm: our family has been there to protect your family.”

We have contributed to the fabric of America.

Walter “Wally” Grossman realized after graduating from school in 1935, that finding employment in the midst of the Great Depression was not going to be easy. He then began developing and manufacturing heat and thermal protective apparel for foundry workers, steel pipe manufacturers and welders in his father’s basement in Cleveland, Ohio.

It wasn’t long before Wally’s business took off and his father, George, quit his job and began working alongside his son. Together, they started a successful family business despite severe economic conditions.

The family business has continued to grow over the years and is known today as National Safety Apparel®. When asked about the history of NSA, Chuck Grossman, Jr., the current owner, and President, states “Our business began with heat and thermal products and the intent to provide the highest quality protective apparel for individuals working in high heat environments. Today, we are a fourth-generation, family-owned business that understands the importance of safety, quality, comfort, and customization. We continue to innovate and enhance our selection of products every day.”

Innovation is the core that drives us each day.



2012



2013



2015



2016



2018



2019





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COMMON TERMS & ICONS

ARC FLASH

An arc flash is an undesired electric discharge that travels through the air between conductors or from a conductor to a ground. The resulting violent explosion is very dangerous with temperatures that could reach up to 35,000 degrees Fahrenheit. An arc flash can cause fires, ignite clothing and burn skin and be lethal to the worker.

FR

Short for Flame Resistant. FR clothing and garments made from those materials have the ability to self-extinguish (with an after-flame of 2 seconds or less) and will not melt or drip. This is tested per ASTM D6413, commonly referred to as “the vertical flame test”.

AR

Short for Arc Rated. Used to describe personal protective equipment and fabrics designed to offer protection against an electrical arc flash. Arc rated fabrics are tested to ASTM D6413 to determine flame resistance and then must be arc tested to ASTM F1959 to receive an arc rating, measured in cal/cm². Additional required testing can be found in ASTM F1506. All AR fabrics are FR, but not all FR fabrics are AR.

CAT

Short for Arc Flash Category. The most common categories are CAT 2 and CAT 4, but CAT 1 and CAT 3 also exist. The arc rating of a garment determines the CAT level. PPE Category levels are commonly used by those following NFPA 70E as a guide for the minimum level of protection needed for a certain task.

NFPA 70E

This standard defines requirements for safe work practices to protect personnel by reducing exposure to major electrical hazards. Originally developed at OSHA’s request, NFPA 70E helps companies and employees avoid workplace injuries and fatalities due to shock, electrocution, arc flash, and arc blast.



ASTM F1891

This is a standard that provides minimum arc flash resistance requirements for FR rainwear. The standard gives provisions that a garment must meet for arc resistance, construction, water resistance and tear resistance.



ASTM F1506

This is the standard performance specification for materials used to make arc rated clothing for electrical workers. The specification is cited in OSHA 1910.269, NFPA 70E, and CSA Z462. One of the required tests is ASTM F1959, which is used to determine a fabric’s arc rating or the level of incident energy that it will protect against.



CSA Z462

Under the Canadian Standards Association, this standard provides details on recognized methods for identifying electrical hazards and risk assessment, and defines best safety practices and training to help you work on and around electrical equipment.



FLASH FIRE

A flash fire is a sudden, intense fire caused by ignition of a mixture of air and a dispersed flammable substance such as a solid (including dust), flammable or combustible liquid (aerosol or fine mist), or a flammable gas. It is characterized by high temperature, short duration, and a rapidly moving flame front.

NFPA 2112

This is a standard on FR garments for protection of industrial personnel against flash fire. It provides minimum requirements for the design, construction, evaluation, and certification. Garments are required to be certified by an Accredited 3rd party. The garment must be labeled as compliant and include the certifying agency. NSA Flash Fire garments are all UL Certified compliant with the test methods and design requirements of NFPA 2112.



ASTM F2733

This is a standard that provides requirements specifically for flash fire rainwear. This standard includes similar flash fire testing to NFPA 2112 with the additional requirement of an “as sold” garment flash fire testing, and water resistance specifications. ASTM F2733 is also stricter than NFPA 2112 in the predicted body burn max being 40% instead of 50%.



ANSI / ISEA 107-2015

ANSI/ISEA 107-2015 for hi-vis safety apparel (HVSA) is an industry consensus standard that specifies requirements for apparel that is capable of visually signaling the user’s presence. It was developed by the International Safety Equipment Association (ISEA) and first published in 1999. Since then, the standard has been recognized and compliance mandated by federal, state and local authorities as well as private industry entities. Today, the U.S. Department of Transportation’s Federal Highway Administration (FHWA) requires workers in or near a highway right-of-way to wear garments that comply with the standard. *See page 35 for more information on the different class types.*



CSA Z96

Under the Canadian Standards Association, this standard provides performance requirements for conspicuous materials to be used in high-visibility apparel and specifies classes of garments, minimum areas, and placement of these materials.



MADE IN THE USA

NSA’s products with this icon indicate that the entire product is manufactured and made in the USA.



THE **CHOICE**
FOR FR
CLOTHING IS
YOURS



UnionLine FR



DRIFIRE[®]



HYDROLite FR™



 **hautework™**



TECGEN™ FR



VIZABLE FR





MEN'S FR CLOTHING

Since 1935, the driving force behind our PPE lines has been the innovation and evolution of safety products. Today, these two key values continue to drive the research, development, and refining of our safety product lines for today's workforce and the generations to come. The following section contains garments made from some of the most innovative flame resistant performance fabrics available. With eight patents for fabrics and products with leading edge technologies, National Safety Apparel is innovating for you.

DRIFIRE® BASE LAYERS



Layering can provide increased performance and comfort. See layering tips on page 36.

DRIFIRE FR LIGHTWEIGHT BASE LAYERS

Arc Rating: 4.5 cal/cm² | CAT 1

- Fabric/Material: 5.4 oz. DRIFIRE® Baselayer Knit
- Lightweight, breathable FR fabric
- Quickly identify compliance with exterior labeling
- Ribbed collar maintains shape
- Odor control technology

SM - 3X

Navy (NB)

Desert Sand (DS)



A DRIFIRE FR LIGHTWEIGHT LONG SLEEVE T-SHIRT
DF2-CM-446LS-__

B DRIFIRE FR LIGHTWEIGHT SHORT SLEEVE T-SHIRT
DF2-CM-446TS-__

C DRIFIRE FR LIGHTWEIGHT LONG JOHN PANT
DF2-446LP-__

D DRIFIRE FR LIGHTWEIGHT BOXER BRIEF
DF2-446BB-__



DRIFIRE PRIME™

Whether you need extra protection or an extra layer to pull away the sweat, our FR base layers have you covered. The DRIFIRE Prime base layers go the distance in comfort and breathability with lightweight fabric, off-set, flat-lock seams and high performance durability. The premium four-way stretch fabric of DRIFIRE Prime provides maximum flexibility, style and comfort.



A DRIFIRE PRIME FR LONG SLEEVE T-SHIRT
DF2-CM-762-PLS-RG

B DRIFIRE PRIME FR LONG PANT
DF2-CM-762-PLP-RG

C DRIFIRE PRIME FR BOXER BRIEF
DF2-CM-762-PBB-RG

D DRIFIRE PRIME FR SHORT SLEEVE T-SHIRT
DF2-CM-762-PTS-RG

DRIFIRE FR PRIME

Arc Rating: 4.9 cal/cm² | CAT 1

- Fabric/Material: 6.5 oz. DRIFIRE Prime™
- Tagless shirt collar
- Offset, flat-locked seams for no-rub comfort
- Odor control technology

SM - 3X





A

DRIFIRE FR THERMAL LONG SLEEVE T-SHIRT

DF2-CM-265ALS-__

Arc Rating: 11 cal/cm² | CAT 2

- Fabric/Material: 8.75 oz. DRIFIRE® Thermal Knit
- High performance, breathable FR fabric
- Quickly identify compliance with exterior labeling
- Odor control technology
- Soft fabric prevents chafing and maximizes comfort

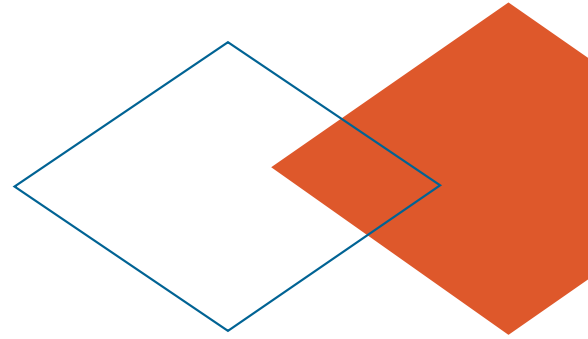
SM - 3X

Navy (NB)

Desert Sand (DS)



A



When it's time to layer up against the cold, the DRIFIRE Thermal FR shirt and pant make the perfect base layers. With soft, breathable performance fabric and moisture-wicking, odor control technology, you'll be comfortable, protected and focused on the job at hand.

B

DRIFIRE FR THERMAL LONG PANT

DF2-CM-265ALP-NB

Arc Rating: 11 cal/cm² | CAT 2

- Fabric/Material: 8.75 oz. DRIFIRE® Thermal Knit
- High performance, breathable FR fabric
- Elastic waistband for increased comfort
- Odor control technology
- Soft fabric prevents chafing and maximizes comfort

SM - 3X

Navy (NB)



B



WHY FR BASE LAYERS

THE FIRST THING WORKERS PUT ON BECOMES THEIR LAST LINE OF DEFENSE

An FR layer against the skin adds additional protection against burns and eliminates the very real possibility of a non-FR undergarment (even 100% cotton) igniting underneath their FR shirt.

INCREASED PROTECTION

FR base layers worn underneath other arc rated daily wear can often add significant protection and can easily be part of your daily FR work wear ensemble. To be compliant, layered systems must go through the appropriate arc flash testing. The amount of additional protection varies but some systems can increase the arc rating up to 2.5 times.

INCREASED COMFORT

Wearing a 100% cotton undershirt can get uncomfortable on a hot day making it tempting to cheat the system and wear one of your favorite athletic tees. FR performance base layers like FR Control 2.0 provide all the comfort of your favorite workout attire without the risk of injury. Moisture management helps to naturally cool the body and combining light layers increases your protection without adding to your heat load.

Wearing the FR Control 2.0 Long Sleeve Tee with the 8 Cal TECGEN FR Work Shirt, you can achieve a 19 cal/cm² arc rating while staying comfortable and protected in your environment.

19
cal/cm²





A **FR CONTROL 2.0
SHORT SLEEVE T-SHIRT**

C52_KSR

Arc Rating: 4 cal/cm² | CAT 1

- Fabric/Material: 5.5 oz. FR Control 2.0™
- Lightweight, breathable fabric
- Tagless shirt collar

SM - 4X



B **FR CONTROL 2.0
LONG SLEEVE T-SHIRT**

C52_KSRLS

Arc Rating: 4 cal/cm² | CAT 1

- Fabric/Material: 5.5 oz. FR Control 2.0™
- Lightweight, breathable fabric
- Tagless shirt collar
- Knit wrists keep sleeves in place

SM - 4X



C **FR CONTROL 2.0
LONG UNDERWEAR**

U52_KSR

Arc Rating: 4 cal/cm² | CAT 1

- Fabric/Material: 5.5 oz. FR Control 2.0™
- Lightweight, breathable fabric
- More stretch for a better fit

SM - 4X



+/- 3°
REGULATES SKIN TEMPERATURE

34%
REDUCES PERSPIRATION

STAY **COOLER**
ON HOT DAYS &
WARMER ON
COOL DAYS

FR Control 2.0™ features phase change technology that works to proactively regulate skin temperature, pushing back to the point of perspiration. High stretch fabric maximizes mobility and comfort on the job.





FR CONTROL™



A

FR CONTROL SHORT SLEEVE T-SHIRT

C51FRSR

Arc Rating: 3.6 cal/cm²

- Fabric/Material: 4 oz. FR Control™
- Ultra-Lightweight, breathable fabric
- Tagless shirt collar

SM - 4X

Desert Sand

B

FR CONTROL LONG SLEEVE T-SHIRT

C51FRSRLS

Arc Rating: 3.6 cal/cm²

- Fabric/Material: 4 oz. FR Control™
- Ultra-Lightweight, breathable fabric
- Tagless shirt collar
- Knit wrists keep sleeves in place

SM - 4X

Desert Sand

C

FR CONTROL LONG UNDERWEAR

U51FRSR

Arc Rating: 3.6 cal/cm²

- Fabric/Material: 4 oz. FR Control™
- Ultra-Lightweight, breathable fabric

SM - 4X

Desert Sand



DRIFIRE STRONGKNIT™

When you don't have an ordinary job, you require more than an ordinary work shirt. Strongknit™ fabric is constructed with increased durability to work with you no matter what your work day has in store. Dependable and tough, the DRIFIRE Strongknit will be your go-to in performance, protection and overall comfort.



DRIFIRE STRONGKNIT FR HI-VIS LONG SLEEVE T-SHIRT - TYPE R CLASS 3

DF2-AX3-793LS-HY

Arc Rating: 10 cal/cm² | CAT 2

- Fabric/Material: 7.3 oz. DRIFIRE® Strongknit™
- 3M™ Scotchlite™ FR silver segmented reflective trim
- Left front chest pocket
- Odor control technology
- Quickly identify compliance with exterior labeling

SM-5X, RG | MD-5X, TL



B

DRIFIRE STRONGKNIT FR LONG SLEEVE T-SHIRT

DF2-793LS-DS

Arc Rating: 10 cal/cm² | CAT 2

- Fabric/Material: 7.3 oz. DRIFIRE® Strongknit™
- Moisture-wicking technology to keep you drier
- Ribbed cuffs and collar to maintain shape
- Odor control technology

SM-5X, RG | MD-5X, TL

Desert Sand (DS)





DRIFIRE PERFORMANCE FR HI-VIS LONG SLEEVE T-SHIRT - TYPE R CLASS 3

DF2-AX3-265ALS-HY

Arc Rating: 11 cal/cm² | CAT 2

- Fabric/Material: 8.75 oz. DRIFIRE® Thermal Knit
- 3M™ Scotchlite™ FR silver segmented reflective trim
- Midweight multi-season comfort
- Odor control technology

SM-5X, RG | MD-5X, TL





A **TECGEN FR LONG SLEEVE T-SHIRT**
C541N_LS

Arc Rating: 13 cal/cm² | CAT 2

- Fabric/Material: 6.2 oz. TECGEN CC™ OPF Blend Knit
- Wears like your favorite tee
- Excellent layering piece for added protection
- Features OPF, the latest carbon fabric technology
- Unique heathered color options

SM-4X



B **TECGEN FR LONG SLEEVE HENLEY**
C541N_BSLs

Arc Rating: 13 cal/cm² | CAT 2

- Fabric/Material: 6.2 oz. TECGEN CC™ OPF Blend Knit
- Wears like your favorite tee
- 3 button placket
- Features OPF, the latest carbon fabric technology
- Unique heathered color options

SM-4X



A

UNION LINE FR LONG SLEEVE HENLEY

10896-__

Arc Rating: 13 cal/cm² | CAT 2

- Fabric/Material: 6.5 oz. Modacrylic blend pique knit
- 3 button placket
- Raglan sleeves

SM-4X

Navy (01) Silver (03)



B

UNION LINE FR LONG SLEEVE T-SHIRT

10899-__

Arc Rating: 13 cal/cm² | CAT 2

- Fabric/Material: 6.5 oz. Modacrylic blend pique knit
- Raglan sleeves

SM-4X

Navy (01) Silver (03)



C

UNION LINE FR ULTRASOFT LONG SLEEVE HENLEY

10701-__

Arc Rating: 11 cal/cm² | CAT 2

- Fabric/Material: 6 oz Westex® UltraSoft®
- Left chest pocket
- 3 button placket front

SM-4X

Navy (01) Silver (03) Orange (65)



D

UNION LINE FR ULTRASOFT LONG SLEEVE T-SHIRT

10703-__

Arc Rating: 11 cal/cm² | CAT 2

- Fabric/Material: 6 oz Westex® UltraSoft®
- Left chest pocket

SM-4X

Navy (01) Silver (03) Orange (65)



BE COOL AND SEEN

Our FR Control 2.0™ is built to respond in both hot and cold temperatures. This flame resistant base layer offers the most advanced fabric technology that actively responds to fluctuating conditions by assisting the regulation of your skin temperature, and reducing perspiration to keep you comfortable throughout the work day.



A HI-VIS FR CONTROL 2.0 SHORT SLEEVE TEE - TYPE R CLASS 2

BSTJTRC2

Arc Rating: 4 cal/cm² | CAT 1

- Fabric/Material: 5.5 oz. FR CONTROL 2.0™
- 3M™ Scotchlite™ FR silver segmented reflective trim
- Proactively regulates skin temperature (+/- 3 degrees)
- Odor control technology

SM-3X



B HI-VIS FR CONTROL 2.0 LONG SLEEVE TEE - TYPE R CLASS 3

BSTJTRLSC3

Arc Rating: 4 cal/cm² | CAT 1

- Fabric/Material: 5.5 oz. FR CONTROL 2.0™
- 3M™ Scotchlite™ FR silver segmented reflective trim
- Proactively regulates skin temperature (+/- 3 degrees)
- Odor control technology

SM-3X





VIZABLE FR HI-VIS DUAL HAZARD T-SHIRTS

- Fabric/Material: 6.25 oz. Dual Hazard Knit
- Dual certified to protect against flash fire and arc flash hazards
- 3M™ Scotchlite™ FR segmented reflective trim
- Tagless neckline with smooth covered neck and shoulder seam for exceptional comfort

SM - 3X



SHORT SLEEVE T-SHIRT -
TYPE R - CLASS 3

TEEY2PC3

Arc Rating: 10 cal/cm² | CAT 2



LONG SLEEVE HYBRID T-SHIRT -
TYPE R - CLASS 3

TEEY2LSHC301

Arc Rating: 8.9 cal/cm² | CAT 2



LONG SLEEVE T-SHIRT -
TYPE R - CLASS 3

TEEY2LSPC3

Arc Rating: 10 cal/cm² | CAT 2



FR COTTON LONG SLEEVE POLO

C54VYPSLSSC

Arc Rating: 8.9 cal/cm² | CAT 2

- Fabric/Material: 7 oz. 100% FR Cotton
- Left front chest pocket
- Dual certified; 3 button placket
- Rib knit cuffs keep sleeves in place

SM - 3X

Navy (Y)



FR COTTON LONG SLEEVE HENLEY

C54V_BSLs

Arc Rating: 8.9 cal/cm² | CAT 2

- Fabric/Material: 7 oz. 100% FR Cotton
- Left front chest pocket
- Dual certified; 3 button placket
- Rib knit cuffs keep sleeves in place

SM - 3X

Navy (Y) Khaki (K) Grey (G)



FR COTTON LONG SLEEVE T-SHIRT

C54V_LS

Arc Rating: 8.9 cal/cm² | CAT 2

- Fabric/Material: 7 oz. 100% FR Cotton
- Left front chest pocket
- Dual certified
- Rib knit cuffs keep sleeves in place

SM - 3X

Navy (Y) Khaki (K) Grey (G)



VIZABLE FR COTTON X-BACK LONG SLEEVE T-SHIRT - CSA CLASS 2 LEVEL 2

C54VRLSPCX2

Arc Rating: 8.9 cal/cm² | CAT 2

- Fabric/Material: 7 oz. 100% FR Cotton
- 3M™ Scotchlite™ FR silver segmented reflective trim
- Left front chest pocket
- X back reflective pattern identifies the direction a worker is facing
- Dual certified

SM-5X



WHICH COLOR PROVIDES THE BEST PROTECTION?

How does one choose between yellow and orange safety vests or work wear? Our sensitivity to color, the work environment and subconscious responses contribute to our opinion as to which color provides the best protection. When comparing the two colors, many people will say that yellow appears “brighter.” This is true when considering the color of the garment alone, but there are other variables. Learn more about the differences in our exclusive white paper!



FR CLASSIC COTTON LONG SLEEVE T-SHIRT

C54P_LS

Arc Rating: 12 cal/cm² | CAT 2

- Fabric/Material: 6.25 oz. FR Classic Cotton™
- Left chest pocket
- Exterior compliance labeling

SM - 3X

Navy (I)	Khaki (A)
Orange (Q)	Grey (G)



FR CLASSIC COTTON LONG SLEEVE HENLEY

C54P_BSLS

Arc Rating: 12 cal/cm² | CAT 2

- Fabric/Material: 6.25 oz. FR Classic Cotton™
- Exterior compliance labeling
- Left chest pocket
- 3 button placket

SM - 3X

Navy (I)	Khaki (A)
Orange (Q)	Grey (G)



FR CLASSIC COTTON SHORT SLEEVE T-SHIRT

C54P_

Arc Rating: 12 cal/cm² | CAT 2

- Fabric/Material: 6.25 oz. FR Classic Cotton™
- Left chest pocket
- Exterior compliance labeling

SM - 3X

Navy (I)	Khaki (A)
Orange (Q)	Grey (G)





DRIFIRE FR HI-VIS UTILITY SHIRT - TYPE R CLASS 3

DF2-AX3-324LS-HY

Arc Rating: 12 cal/cm² | CAT 2

- Fabric/Material: 7 oz. DRIFIRE® Twill
- 3M™ Scotchlite™ FR silver segmented reflective trim
- Features two chest pockets with button flap closure and pen slot
- Gap for logo on the left chest
- Quickly identify compliance with exterior labeling

SM-5X, RG | MD-5X, TL



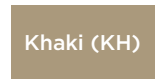
DRIFIRE FR UTILITY SHIRT

DF2-324LS-__

Arc Rating: 12 cal/cm² | CAT 2

- Fabric/Material: 7 oz. DRIFIRE® Twill
- Longer tail stays tucked in
- Dries 3x faster than typical FR utility shirts
- Features two chest pockets with button closure
- Quickly identify compliance with exterior labeling

SM-3X, RG | MD-3X, TL



DRIFIRE® 4.4™ FR WORK SHIRT

PROFESSIONAL LOOK | UNBEATABLE COMFORT

DF2-CM-450C-LS-NB

Dries up to 4x faster than other performance FR fabrics

Quickly identify compliance with exterior labeling

8 cal/cm²
CAT 2



20% lighter than leading competitors

4.4 oz.
DRIFIRE® Blend



INHERENT FR PROTECTION WON'T WASH OUT



PERMANENT FLAME RESISTANCE



MOISTURE MANAGEMENT



ODOR CONTROL





Dual-hazard protection

MESH VENTS

Vertical design pushes hot air out as you move.



TECGEN FR PREMIUM VENTED SHIRT

SHRT_TGV

Arc Rating: 8.9 cal/cm² | CAT 2

- Fabric/Material: 6.5 oz. Westex® DH
- Premium two needle construction and anti-wrinkle technology in collar, flaps, center front, and cuffs for professional look
- Dual utility ports on flaps for gear
- Patented, breathable vent shirts have industry leading comfort

SM-3X, RG | LG-3X, TL

Khaki (5)

Medium Blue
(4)



TECGEN SELECT®

OPF BLEND TECHNOLOGY

TECGEN SELECT® proprietary fiber blend features the power of OPF (Oxidized Polyacrylonitrile Fibers) commonly referred to as O-Pan or Carbon. OPF eliminates the distraction of physical discomfort and delivers garments that users want to wear.





TECGEN FR WORK SHIRT

TCG01__02

Arc Rating: 8 cal/cm² | CAT 2

- Fabric/Material: 5.5 oz. TECGEN SELECT® OPF Blend Twill
- Features OPF, the latest carbon fabric technology
- Two chest pockets with button closure flaps
- Pen/pencil slot in front pocket

SM-5X, RG | LG

Tan (12)

Royal Blue (13)

Grey (15)



Navy (16)

Light Blue (19)

Orange (20)



Visit our *Resources* page on thinkNSA.com to see a full brochure on how layering can provide increased performance and comfort.

12
cal/cm²



TECGEN **FR**



UnionLine **FR**

A **TECGEN FR 12 CAL WORK SHIRT**
SHR-DWWS03-__

Arc Rating: 12 cal/cm² | CAT 2

- Fabric/Material: 7.5 oz. TECGEN CC™ OPF Blend Twill
- Adjustable two-button cuff closure
- Excellent layering piece for added protection
- Features OPF, the latest carbon fabric technology
- Dual-hazard protection

SM-5X

Tan (TN) Navy (NB)



B **UNION LINE FR ULTRASOFT WORK SHIRT**
10333-__

Arc Rating: 8.7 cal/cm² | CAT 2

- Fabric/Material: 7 oz. Westex® UltraSoft®
- Two large chest pockets with flaps and button closure
- Union Made

SM-4X

Navy (01)



Westex
UltraSoft®

A

VIZABLE FR HI-VIS WORK SHIRT - TYPE R CLASS 3

SHRTV3C3

Arc Rating: 8.9 cal/cm² | CAT 2

- Fabric/Material: 6.5 oz. Westex® DH
- Segmented 3M™ Scotchlite™ FR reflective trim
- Left front chest pocket

SM-5X



B

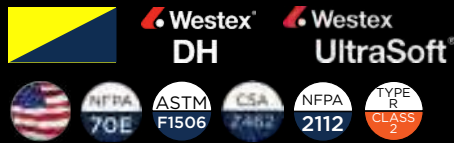
VIZABLE FR HYBRID WORK SHIRT - TYPE R CLASS 3

SHRTV3C3YN

Arc Rating: 8.7 cal/cm² | CAT 2

- Fabric/Material: Fl. Yellow: 6.5 oz. Westex® DH / Navy: 7 oz. Westex® UltraSoft®
- Segmented 3M™ Scotchlite™ FR reflective trim
- 360 degree visibility

SM-5X



C

VIZABLE FR X-BACK WORK SHIRT - CSA CLASS 2 LEVEL 2

SHRUO3CX2

Arc Rating: 8.9 cal/cm² | CAT 2

- Fabric/Material: 7 oz. Westex® UltraSoft®
- Segmented 3M™ Scotchlite™ FR reflective trim
- X back reflective pattern identifies the direction a worker is facing

SM-5X





VIZABLE FR HI-VIS DELUXE ROAD VEST - TYPE R CLASS 2

V21TV2Z

Arc Rating: 8.9 cal/cm² | CAT 2

- Fabric/Material: 6.5 oz. Westex® DH
- Cell phone chest pocket, pencil pocket, and two lower inside pockets
- Zip front closure and mic-clip

SM - 4X



Westex®
DH



VIZABLE FR HI-VIS MESH SAFETY VEST - TYPE R CLASS 2

VOOHA2V

Arc Rating: 4.6 cal/cm² | CAT 1

- Fabric/Material: 5.8 oz. FR Mesh
- Segmented 3M™ Scotchlite™ FR reflective trim
- Inside chest pocket

SM - 4X



VIZABLE FR HI-VIS LEG GAITERS - CLASS E

L05TVCE

Arc Rating: 8.9 cal/cm² | CAT 2

- Fabric/Material: 7.5 oz. Hi-Vis Modacrylic Blend
- Segmented 3M™ Scotchlite™ FR reflective trim
- Elastic casing at top and bottom for adjustable fit

One Size Fits Most



See following page for more information on how to wear leg gaiters to reach class 2 or 3 compliance.

THERE'S A CLASS FOR THAT

ANSI 107 SIMPLIFIED

TYPE O - OFF-ROAD

TYPE O PROVIDES CONSPICUITY FOR NON-ROADWAY ENVIRONMENTS

WORK ZONES: OIL & GAS, MINING, MANUFACTURING PLANTS, PARKING LOTS

CLASS 1 REQUIREMENTS

BACKGROUND MATERIAL	217 in ²
RETROREFLECTIVE TAPE	155 in ²
MINIMUM WIDTH OF TAPE	.98 in



TYPE R - ROADWAY

WORN ON OR NEAR PUBLIC ACCESS ROADWAYS OR HIGHWAYS IN WHICH WORK TAKES PLACE IN CLOSE PROXIMITY TO VEHICLE TRAFFIC

WORK ZONES: ROAD CONSTRUCTION & MAINTENANCE, UTILITY MAINTENANCE, TRANSPORTATION (AIR, RAIL, & ROAD)

CLASS 2 REQUIREMENTS

BACKGROUND MATERIAL	775 in ²
RETROREFLECTIVE TAPE	201 in ²
MINIMUM WIDTH OF TAPE	1.38 in

CLASS 3 REQUIREMENTS

BACKGROUND MATERIAL	1240 in ²
RETROREFLECTIVE TAPE	310 in ²
MINIMUM WIDTH OF TAPE	1.97 in

TYPE P - PUBLIC SAFETY

USED BY EMERGENCY RESPONDERS FOR WORK ENVIRONMENTS EXPOSED TO VEHICLE TRAFFIC FORMERLY COVERED IN ANSI/ISEA 207

WORK ZONES: FIRST RESPONDERS, FIRE, POLICE, EMS, & OTHER PUBLIC SAFETY PERSONNEL

USE A HAZARD ASSESSMENT TO DETERMINE IF CLASS 3 IS NEEDED FOR TYPES R AND P: NIGHT WORK, HIGH VOLUME HIGH SPEED TRAFFIC, COMPLEX COMPETING BACKGROUNDS, OR WORKER ATTENTION IS DIVERTED

SUPPLEMENTAL ITEMS

ADDING CLASS E LEG WEAR TO A CLASS 2 VEST OR SHIRT CREATES A CLASS 3 ENSEMBLE.

LEG WEAR CAN INCLUDE LEG GAITERS, BIB OVERALLS, COVERALLS, AND PANTS.

CLASS E REQUIREMENTS

BACKGROUND MATERIAL	465 in ²
RETROREFLECTIVE TAPE	108 in ²
MINIMUM WIDTH OF TAPE	1.97 in



BETTER TOGETHER

Layering can provide increased performance and comfort. Combining 2 or more arc rated garments into a layered system achieves a higher level of arc protection. Lightweight layers often achieve higher levels of protection than traditional solutions. Layering also allows for quick adjustments based on the level of protection needed for different tasks.

WHAT IS LAYERING?

Combining 2 or more arc rated garments into a layered system in order to achieve a higher level of arc protection.

WHY IS IT IMPORTANT?

Layering can provide increased performance and comfort. Lightweight layers often achieve higher levels of protection than traditional solutions. Layering also allows for quick adjustments based on the level of protection needed for different tasks.

WHY CAN'T I ADD THE 2 ARC RATINGS TOGETHER?

Layered systems need to be arc tested together. In arc flash, 2 plus 2 doesn't always equal 4. Always request test reports to have on file. If audited by OSHA, you will need proof.

The arc rating of PPE shall meet or exceed that of the hazard. System arc ratings only apply to the area where the garments overlap. For example, layering a coverall over a shirt, the layered arc rating only applies to the area where the coverall covers the shirt. Bottom protection will also need to be taken into account.

All arc rating data is accurate as of August 28, 2020, but changes can occur.

Visit thinkNSA.com or call us at **(800) 553-0672** for the latest arc rating data and for more layering information on these and other garments.



17
cal/cm²



26
cal/cm²



A



A

DRIFIRE FR HI-VIS ZIP FRONT SWEATSHIRT - TYPE R CLASS 3

DF2-AX3-277-HD-HY

Arc Rating: 19 cal/cm² | CAT 2

- Fabric/Material: 10 oz. Modacrylic Blend Fleece
- Right chest pocket with hidden zipper closure
- 3M™ Scotchlite™ FR silver segmented reflective trim

SM-3X



B

DRIFIRE FR ZIP FRONT HOODED SWEATSHIRT

DF2-CM-277-HD-NB

Arc Rating: 19 cal/cm² | CAT 2

- Fabric/Material: 10 oz. Modacrylic Blend Fleece
- Right chest pocket with hidden zipper closure

SM-3X



B



Stylish distressed leather print hides stains

Durable hefty material that stands up to harsh conditions

C

TECGEN FR TACOMA HEAVYWEIGHT ZIP FRONT HOODIE

C211B12

Arc Rating: 25 cal/cm² | CAT 3

- Fabric/Material: 15 oz. Tacoma Fleece
- Dual-hazard protection
- Print helps to hide dirt and stains

SM-3X



C



A

UNION LINE FR FULL ZIP FLEECE SWEATSHIRT

10119-__

Arc Rating: 20 cal/cm² | CAT 2

- Fabric/Material: 14 oz. Modacrylic Blend Fleece
- 2 front patch pockets
- Cord locks keep hood in place

SM-3X

Navy (01)



B

UNION LINE FR ULTRASOFT FLEECE HOODED SWEATSHIRT

10250-__

Arc Rating: 22 cal/cm² | CAT 2

- Fabric/Material: 11 oz. FR Westex® UltraSoft® Fleece
- Front pocket

SM-3X

Navy (01) Orange (65)



Westex UltraSoft®



C

UNION LINE FR ULTRASOFT FULL ZIP HOODED SWEATSHIRT

10196-__

Arc Rating: 22 cal/cm² | CAT 2

- Fabric/Material: 11 oz. FR Westex® UltraSoft® Fleece
- Front slash pockets

SM-3X

Navy (01) Orange (65)



Westex UltraSoft®



Union Line FR



TECGEN **FR**



TECGEN FR HOODIE

SWSI2 (PULLOVER)
SWSI2Z (ZIP FRONT)

Arc Rating: 23 cal/cm² | CAT 2

- Fabric/Material: 14 oz. FR Fleece
- Dual-hazard protection
- Large drawstring hood fits over hard hat
- Soft FR/AR heavyweight fleece for warmth and protection
- Rib knit cuffs and waistband prevents riding up
- Pullover: 1 large patch pocket
- Zip front: 2 front patch pockets

SM-3X, RG | MD-3X, TL

Navy



HEAVYWEIGHT FR SWEATSHIRT

C21IG03 (PULLOVER)
C21IG05 (ZIP FRONT)

Arc Rating: 28 cal/cm² | CAT 3

- Fabric/Material: 14 oz. Mod. Blend Fleece
- Dual-hazard protection
- Large drawstring hood fits over hard hat
- Soft FR/AR heavyweight fleece for warmth and protection
- Pullover: 1 large patch pocket
- Zip front: 2 front patch pockets

SM-3X

Grey





HEAVYWEIGHT LINED PULLOVER FR SWEATSHIRT

C21IFWE03

Arc Rating: 43 cal/cm² | CAT 4

- Fabric/Material: 14 oz. Mod. Blend Fleece / 7 oz. FR Waffle Liner
- Large drawstring hood fits over hard hat
- Comfortable waffle weave lining for warmth
- Large patch pocket

SM-3X

Navy



HEAVYWEIGHT LINED ZIP FRONT FR SWEATSHIRT

C21IFWE05

Arc Rating: 43 cal/cm² | CAT 4

- Fabric/Material: 14 oz. Mod. Blend Fleece / 7 oz. FR Waffle Liner
- 2 front patch pockets
- Covered FR zipper front closure
- Comfortable waffle weave lining for warmth

SM-3X

Navy



POLAR FLEECE ZIP FRONT FR SWEATSHIRT

C23FL05

Arc Rating: 24 cal/cm² | CAT 2

- Fabric/Material: 8.5 oz. NOMEX® IIIA Fleece
- Exceptionally soft for added comfort
- 2 large front pockets

SM-4X

Navy





A

VIZABLE FR HYBRID DELUXE ZIP FRONT SWEATSHIRT - TYPE R CLASS 3

C21HC08C3

Arc Rating: 20 cal/cm² | CAT 2

- Fabric/Material: Fl. Yellow: 10 oz. Mod. Blend Fleece / Navy: 11 oz. UltraSoft® Fleece
- Segmented 3M™ Scotchlite™ FR reflective trim
- Hood is lined with fleece

SM - 4X



B

VIZABLE FR HI-VIS PULLOVER SWEATSHIRT - TYPE R CLASS 3

C21HC03C3

Arc Rating: 20 cal/cm² | CAT 2

- Fabric/Material: 10 oz. Mod. Blend Fleece
- Segmented 3M™ Scotchlite™ FR reflective trim
- 360 degree visibility

SM - 4X



C

VIZABLE FR HI-VIS ZIP FRONT SWEATSHIRT - TYPE R CLASS 3

C21HC05C3

Arc Rating: 20 cal/cm² | CAT 2

- Fabric/Material: 10 oz. Mod. Blend Fleece
- Segmented 3M™ Scotchlite™ FR reflective trim
- Covered zip front closure
- Two reinforced front patch pockets

SM - 4X



A

VIZABLE FR HYBRID DELUXE ZIP FRONT SWEATSHIRT WITH LINING - TYPE R CLASS 3

C21HCWE08C3

Arc Rating: 20 cal/cm² | CAT 2

- Fabric/Material: Fl. Yellow: 10 oz. Modacrylic Blend Fleece / Navy: 11 oz. UltraSoft® Fleece / 7 oz. FR Waffle Liner
- Segmented 3M™ Scotchlite™ FR reflective trim
- Hood is lined with fleece

SM - 3X



B

VIZABLE FR CSA X-BACK PULLOVER SWEATSHIRT - CLASS 2 LEVEL 2

C21WI03CX2

Arc Rating: 21 cal/cm² | CAT 2

- Fabric/Material: 11 oz. UltraSoft® Fleece
- Segmented 3M™ Scotchlite™ FR reflective trim
- X back reflective pattern

SM - 5X



C

VIZABLE FR CSA X-BACK ZIP FRONT SWEATSHIRT - CLASS 2 LEVEL 2

C21WI05CX2

Arc Rating: 21 cal/cm² | CAT 2

- Fabric/Material: 11 oz. UltraSoft® Fleece
- Segmented 3M™ Scotchlite™ FR reflective trim
- Covered zip front closure
- X back reflective pattern

SM - 5X



Westex
UltraSoft®

TECGEN® FR TAPROOM JEAN

STAY STYLISH AND COMFORTABLE

PNTD6JTR



External compliance

Tool strap

Utility pockets built for large phones and tools

Featuring enhanced stretch for added **comfort and movement** compared to your standard FR jean

20 cal/cm²
CAT 2

Larger leg opening to fit over work boots

12 oz.
Inherent FR
Stretch Denim



A

TECGEN FR PERFORMANCE UTILITY PANTS

PNT9SU

Arc Rating: 14 cal/cm² | CAT 2

- Fabric/Material: 9.5 oz. High Performance Duck
- Cargo pocket on left side with flap
- High abrasion resistance
- Double tool pocket on the right side, fits variety of tools including pliers

Waist: 30"-48" | Inseam: 30-36"

Navy



B

TECGEN FR JEANS

PNTJGJ

Arc Rating: 21 cal/cm² | CAT 2

- Fabric/Material: 14.75 oz. FR Cotton Denim
- Classic 5 pocket design
- Heavy duty covered zip fly
- Reinforced stress points
- Dual certified

Waist: 28"-52" | Inseam: 28-36"

Denim



C

TECGEN FR SUMMER WEIGHT DUNGAREES

PNTB_SD

Arc Rating: 11 cal/cm² | CAT 2

- Fabric/Material: 8.5 oz. Westex® UltraSoft® Basketweave
- 8 pockets and 2 tool straps
- Generous fit in seat and thighs
- Pockets hold 2 phones and other tools

Waist: 30"-44" | Inseam: 30-36"

Navy (2)

Olive Green (1)

Westex
UltraSoft®



UNION MADE IN
AMERICA



UnionLine™ **FR**

UNION LINE FR DUNGAREE

Arc Rating: 12 cal/cm² | CAT 2

- Fabric/Material: 8 oz. Modacrylic Blend Basket Weave
- Dual-hazard protection
- Lightweight, breathable fabric
- Side pockets for tools or cell phone
- Union Made. USA Made.

Waist: 30 - 44 | Inseam: 30, 32, 34

Navy (01) Tan (12)



**UNION LINE FR
NAVY DUNGAREE**
25775-01



**UNION LINE FR
TAN DUNGAREE**
25775-12



A

UNION LINE FR DENIM TWILL JEAN

25678-06

Arc Rating: 15 cal/cm² | CAT 2

- Fabric/Material: 14.75 oz. FR Denim
- Classic fit and style for everyday wear
- USA Made. Union Made.

Waist: 30 - 46 | Inseam: 30, 32, 34

Denim



B

ULTRASOFT FR WORK PANTS PNTUP

Arc Rating: 12 cal/cm² | CAT 2

- Fabric/Material: 9 oz. Westex® UltraSoft®
- Dual-hazard protection
- Two front slash and rear inset pockets
- Leg openings made to fit over work boots
- Non-metallic waist button closure

Waist: 30"-46" | Inseam: 28"-36"

Navy

Westex
UltraSoft®





FUNCTIONAL, FLEXIBLE AND EFFORTLESS

You'll be comfortable and protected on the job site with the durable and lightweight DRIFIRE 4.4 FR coverall. With 4.4 oz. Inherent FR blend, this fabric will not melt, drip or ignite and is dual certified to protect against flash fire and arc flash hazards. Quickly identify compliance with exterior labeling and carry what you need for the job at hand with 2 front pockets.

DRIFIRE 4.4 FR COVERALL

DF2-450C-CA-NB

Arc Rating: 8 cal/cm² | CAT 2

- Fabric/Material: 4.4 oz. DRIFIRE® Blend
- 2 front chest pockets
- Moisture-wicking technology
- 20% lighter than leading competitors
- Dries up to 4x faster than other performance FR fabrics

SM-3X, RG | MD-3X, TL

Navy



HEAT STRESS SOLUTIONS

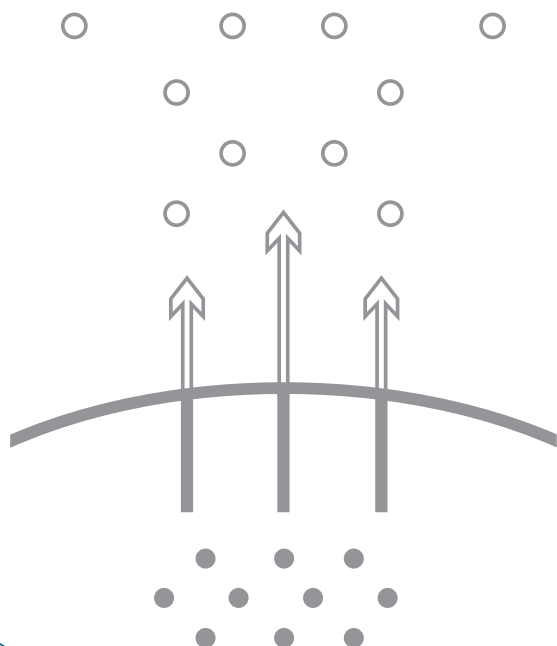
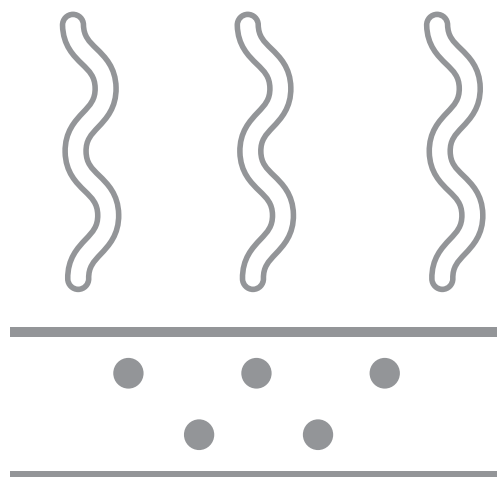


LIGHTWEIGHT

Heavy garments add to workers' heat load. Our solution: make lightweight, well-fitted clothing that minimizes the risk of heat stress or heat-related illness.

BREATHABLE

Heat trapped against the skin causes temperatures to rise, leading to heat stress. Breathable clothing allows hot air to escape through the garment, minimizing the rise of skin temperature.



MOISTURE WICKING

Excessive perspiration leads to skin irritation and heat rash. Our moisture wicking clothing keeps workers dry by quickly absorbing perspiration and releasing it into the air. Fast dry technology helps mitigate heat stress through evaporative cooling.

TECGEN® FR COVERALL

MADE TO BE COMPLIANT AND COMFORTABLE

TCG02__08

- Grey (15)
- Orange (20)
- Royal Blue (13)
- Navy (16)
- Tan (12)



Two chest pockets with flaps

See the next page for layering information with this **TECGEN FR Premium Vented Shirt** to achieve higher cal ratings

Elastic waistband

8 cal/cm²
CAT 2

Unsurpassed moisture wicking and drying rate



5.5 oz.
TECGEN SELECT®
OPF Blend Twill

TECGEN® FR COVERALL

LAYERING

Add any of these garments under the TECGEN Coverall to get the arc rating shown, above the waist. Visit thinkNSA.com for more layering combinations.



VIZABLE FR HI-VIS WORK SHIRT
- TYPE R CLASS 3 (Pg. 33)

31
cal/cm²



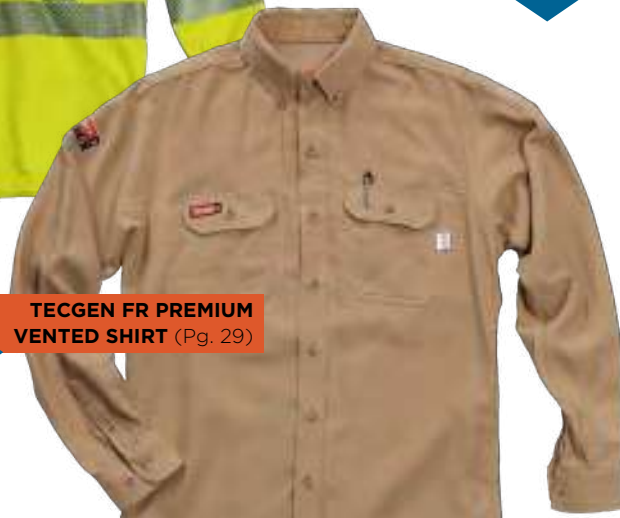
FR CONTROL 2.0 LONG
SLEEVE TEE (Pg. 16)

19
cal/cm²



DRIFIRE STRONGKNIT LONG
SLEEVE TEE (Pg. 18)

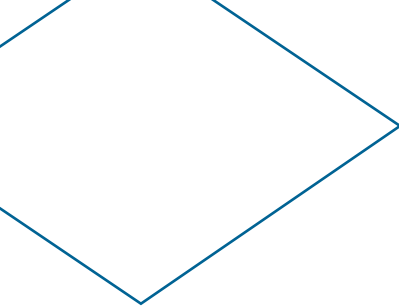
32
cal/cm²



TECGEN FR PREMIUM
VENTED SHIRT (Pg. 29)

31
cal/cm²





**8 CAL ULTRASOFT® FR COVERALL
C88UJ**

Arc Rating: 8 cal/cm² | CAT 2

- Fabric/Material: 7 oz. Westex® UltraSoft®
- Dual-hazard protection
- Comfortable sewn-in elastic waist for better fit
- Convenient 6 pocket style
- Leg openings made to fit over work boots

SM-3X, 30" inseam | MD-3X, 32" inseam

Navy



**12 CAL ULTRASOFT® FR COVERALL
C88UP**

Arc Rating: 12 cal/cm² | CAT 2

- Fabric/Material: 9 oz. Westex® UltraSoft®
- Dual-hazard protection
- Comfortable sewn-in elastic waist for better fit
- Convenient 6 pocket style
- Leg openings made to fit over work boots

SM-3X, 30" inseam | MD-3X, 32" inseam

Navy



**Westex
UltraSoft®**

ARC FLASH CATEGORIES

PPE Category levels are commonly used by those following NFPA 70E as a guide for the minimum level of protection needed for a certain task. The arc rating of a garment determines which CAT level is needed.

PPE CATEGORY 1

Minimum Arc Rating: 4 cal/cm²

Required PPE:

Arc rated long sleeve shirt and pants or coverall
Arc rated faceshield or arc flash suit hood
Arc rated jacket, parka, rainwear or hard hat liner

PPE CATEGORY 2

Minimum Arc Rating: 8 cal/cm²

Required PPE:

Arc rated long sleeve shirt and pants or coverall
Arc rated faceshield and balaclava or arc flash suit hood
Arc rated jacket, parka, rainwear or hard hat liner

PPE CATEGORY 3

Minimum Arc Rating: 25 cal/cm²

Required PPE:

Arc rated long sleeve shirt and pants or coverall
Arc rated arc flash suit jacket and pants
Arc rated arc flash suit hood
Arc rated gloves
Arc rated jacket, parka, rainwear or hard hat liner

PPE CATEGORY 4

Minimum Arc Rating: 40 cal/cm²

Required PPE:

Arc rated long sleeve shirt and pants or coverall
Arc rated arc flash suit jacket and pants
Arc rated arc flash suit hood
Arc rated gloves
Arc rated jacket, parka, rainwear or hard hat liner



All PPE categories are required to wear the following protective equipment:

- Hard hat
- Leather footwear
- Hearing protection
- Safety glasses or safety goggles
- Heavy duty leather gloves (CAT 1-2)
- Rubber voltage gloves and leather protectors when working on live electrical equipment





WOMEN'S FR CLOTHING

In today's world women shouldn't have to settle for wearing PPE garments designed to fit the male figure. We are pleased to offer the modern industrial woman a line of flame resistant clothing designed by women for women. The following section will provide you with a glance of our women's product line where we have worked to combine fit, function, and fashion. Ladies, you no longer have to sacrifice style, color, or fit to have the protection you need!



HAUTEWORK®

Created by Petroleum Engineer, Jaime Glas, HauteWork is motivated by the understanding that comfort and confidence go hand in hand when it comes to job performance. A key part of that confidence is the assurance that you have the right tools for the job – and in the oil and gas and utility industries, FR clothing that fits correctly is a critical tool.

A HAUTEWORK JUST THE BASICS FR HENLEY

TEE1N_HW

Arc Rating: 13 cal/cm² | CAT 2

- Fabric/Material: 6.25 oz. TECGEN CC™ OPF Blend Knit
- 2 button placket
- Excellent layering piece for added protection
- Features OPF, the latest carbon fabric technology
- Tagless neckline for increased comfort

XS-2X



B HAUTEWORK LUXE FR POCKET TEE

TEE1N_LSPW

Arc Rating: 13 cal/cm² | CAT 2

- Fabric/Material: 6.25 oz. TECGEN CC™ OPF Blend Knit
- Contrast left chest pocket
- Lightweight, breathable FR performance fabric
- Tagless neckline for increased comfort
- Features OPF, the latest carbon fabric technology

XS-2X



C HAUTEWORK HI-VIS FR LONG SLEEVE T-SHIRT - TYPE R CLASS 3

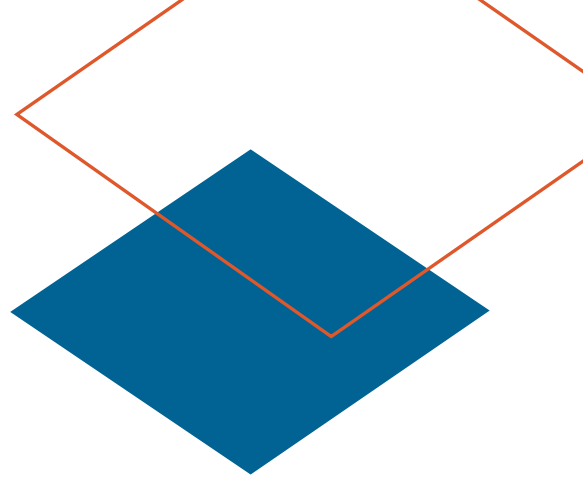
TEEY2LSC3W

Arc Rating: 10 cal/cm² | CAT 2

- Fabric/Material: 6.25 oz. Dual Hazard Knit
- 3M™ Scotchlite™ FR silver segmented reflective trim
- Tagless neckline for increased comfort
- Quickly identify compliance with exterior labeling

SM-2X





TECGEN **FR**

A **WOMEN'S TECGEN FR WORK SHIRT**
TCGSSWN001_ _

Arc Rating: 8 cal/cm² | CAT 2

- Fabric/Material: 5.5 oz. TECGEN SELECT® OPF Blend Twill
- Dual-hazard protection
- Feminine silhouette
- Pen/pencil slot in front pocket

SM-3X



B **VIZABLE FR HI-VIS WOMENS WORK SHIRT**
- TYPE R CLASS 3

SHRTVC3W

Arc Rating: 8.9 cal/cm² | CAT 2

- Fabric/Material: 6.5 oz. Westex® DH
- 3M™ Scotchlite™ FR silver segmented reflective trim
- Princess cut style offers a better fit for the female figure
- Double layer back yoke

SM-3X





HAUTEWORK JUST THE BASICS FR FLEECE HOODIE

SWSI2ZW

Arc Rating: 23 cal/cm² | CAT 2

- Fabric/Material: 14 oz. Mod. Blend Fleece
- Covered front zipper closure
- Large front angled pockets

XS-3X



HAUTEWORK HAUTE PINK FR FLEECE

SWSSAMZW

Arc Rating: 19 cal/cm² | CAT 2

- Fabric/Material: 10 oz. Mod. Blend Fleece
- Relaxed, comfortable fit
- Quarter zip with black fleece collar lining

XS-3X



VIZABLE FR HI-VIS WOMENS ZIP FRONT SWEATSHIRT - TYPE R CLASS 3

C21HC05C3W

Arc Rating: 20 cal/cm² | CAT 2

- Fabric/Material: 10 oz. Mod. Blend Fleece
- Large reinforced patch pockets
- 3M™ Scotchlite™ FR silver segmented reflective trim

SM-5X





WOMENS FR JEANS

PNTDYJW

Arc Rating: 17 cal/cm² | CAT 2

- Fabric/Material: 13.5 oz. FR Stretch Denim
- Leg openings made to fit over work boots
- Covered zipper fly closure
- Reinforced front and back pockets

Waist: 2-16 | Inseam: 28-32"

Denim



WOMENS ULTRASOFT FR WORK PANTS

PNTUPW

Arc Rating: 12 cal/cm² | CAT 2

- Fabric/Material: 9 oz. Westex® UltraSoft®
- Leg openings made to fit over work boots
- Covered front fly closure
- Reinforced pockets

Waist: 2-16 | Inseam: 28-32"

Navy



HAUTEWORK WORKDAY WARRIOR FR PANT

PNTF8KPW

Arc Rating: 13 cal/cm² | CAT 2

- Fabric/Material: 6.5 oz. Modacrylic Blend Knit
- Dual-hazard protection
- Deep front pockets
- Relaxed fit with hi-waist, elastic waistband

XS-3X

Navy





HAUTEWORK® FR FLEX SUIT

FLATTERS AND FLEXES

COV3NNWFX (REGULAR)

COV3NNWFXC (CURVY)

Navy



Two chest pockets with flaps

External compliance

Phone pocket

12 cal/cm²
CAT 2

Large tool pocket

Elastic waistband

Zippers at ankles to fit over large work boots

7.5 oz.
TECGEN CC™
OPF Blend Twill





HAUTEWORK CHAMBRAY FR FLEX SUIT

COV2NLWFX
COV2NLWFXC (Curvy)

Arc Rating: 9.3 cal/cm² | CAT 2

- Fabric/Material: 6.2 oz. TECGEN CC™ OPF Blend Twill
- 9 pocket design
- Relaxed, contoured fit with elastic waistband

XS-XL Regular | 1X-3X Curvy

Light Blue



HAUTEWORK FR FEVER SUIT

COV2N_WFV

Arc Rating: 9.3 cal/cm² | CAT 2

- Fabric/Material: 6.2 oz. TECGEN CC™ OPF Blend Twill
- 6 pocket design
- Knit sleeves for increased comfort
- Contoured fit

XS-2X

Grey (G)

Sage (S)



WOMENS TECGEN FR COVERALL

TCGSCWN001

Arc Rating: 8 cal/cm² | CAT 2

- Fabric/Material: 5.5 oz. TECGEN SELECT® OPF Blend Twill
- Contoured silhouette with elastic waistband
- 7 pocket design with side pass through

SM-3X

Tan (12)

Royal Blue (13)

Grey (15)

Navy (16)





A

DRIFIRE FR WOMENS SPORTS BRA

DF2-762-SB-DS

Arc Rating: 4.9 cal/cm² | CAT 1

- Fabric/Material: 6.5 oz. DRIFIRE® PRIME
- Two-layer cups provide soft support
- Tagless labeling

SM-3X

Desert Sand



B

FR CONTROL 2.0 WOMENS SPORTS BRA

FRBRAJK

Arc Rating: 4 cal/cm² | CAT 1

- Fabric/Material: 5.5 oz. FR CONTROL 2.0™
- Proactively regulates skin temperature (+/- 3 degrees)
- Stretch for comfort and flexibility

SM-2X

Desert Sand



C

DRIFIRE FR WOMENS BOY SHORTS

DF2-762-BS-DS

Arc Rating: 4.9 cal/cm² | CAT 1

- Fabric/Material: 6.5 oz. DRIFIRE® PRIME
- Covered, tag-free elastic bands reduce binding and maximize comfort
- Tagless labeling

SM-3X

Desert Sand





GORE PYRAD
MADE IN ITALY



FR OUTERWEAR & FOUL WEATHER GEAR

Our flame resistant outerwear was the first winter garments in the FR industry to be dual certified: UL Certified to NFPA 2112, and NFPA 70E Compliant. Our gear combats extreme weather elements while exceeding the required arc flash and flame resistant protection you need. Understanding the needs of our customers from both the hazards they face and the comfort they demand drives the development and refining of our safety product offering each day.

HYDROLite FR™

FOUL WEATHER GEAR FOR ELECTRICAL UTILITIES

HYDROLITE FR EXTREME WEATHER KIT - TYPE R CLASS 3

KITHYDRO

Arc Rating: 31 cal/cm² | CAT 3

- Fabric/Material: 8.3 oz. GORE-TEX PYRAD®
- 3M™ Scotchlite™ FR segmented reflective trim
- Fast drying lightweight and breathable FR fabric
- Waterproof garments pass a one-hour storm shower test

SM - 3X



KIT INCLUDES:

- 35" Type R Class 3 FR Jacket
- Class E FR Bib Overall
- Black Mesh Gear Bag



Large zipper pull for ease of use while wearing gloves



Pair with the DRIFIRE FR Lightweight Base Layer Shirt and Pant to exceed **40 cal protection!**

Removable, adjustable hood for use with or without a hard hat

Raglan sleeves offer comfort and mobility

HYDROLITE FR EXTREME WEATHER JACKET - TYPE R CLASS 3

HYDROJACK

SM-3X, RG | MD-2X, TL

- Covered D-ring Access
- Fast drying lightweight and breathable FR fabric
- Anti-wicking feature prevents moisture migration inside garment
- Exceeds the ANSI 107 requirements



8.3 oz.
GORE-TEX PYRAD®

31 cal/cm²
CAT 3

Dual access pockets offer hand warming and storage

Elastic cinch cords

KEEPS YOU DRY INSIDE AND OUT!

GORE-TEX PYRAD® PRODUCTS



A HYDROLITE FR EXTREME WEATHER BOMBER - TYPE R CLASS 3
HYDROBOM

B HYDROLITE FR EXTREME WEATHER BIB OVERALL - CLASS E
HYDROBIB

C HYDROLITE FR EXTREME WEATHER PANTS - CLASS E
HYDROPANT

HYDROflash FR™

FOUL WEATHER GEAR FOR OIL & GAS



Arc Ratings:

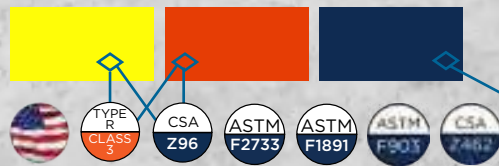
Yellow (Y): 30 cal/cm² | CAT 3

Orange (O): 29 cal/cm² | CAT 3

Navy (N): 15 cal/cm² | CAT 2

- Fabric/Material: 7 oz. GORE-TEX PYRAD®
- 3M™ Scotchlite™ FR segmented reflective trim
- Resists cold cracking in low temperatures
- 100% waterproof and windproof
- Petroleum and oil-based mud resistant
- Hot liquid and steam resistant
- Meets Gas Probe Shirley Method 138:2000, EN 1149-3/2004 & EN 1149-5/2008

SM - 3X



Navy: Enhanced visibility contrast reflective trim (Non ANSI/ISEA 107)

A HYDROFLASH FR FOUL WEATHER JACKET HYDROFLASHJ

- Has 2 mic/gas detector tabs
- Zippered chest pocket and two lower pockets

B HYDROFLASH FR FOUL WEATHER BIB HYDROFLASHB

- Chest pocket, 2 lower cargo pockets, and zip fly
- Zippered leg opening with hook and loop strap

C HYDROFLASH FR FOUL WEATHER HOOD HYDROFLASHH

- Detachable, snap-on jacket hood
- Hook and loop adjustment for secure fit with or without a hard hat



FOUL WEATHER GEAR

Many workers like those in the utility and oil and gas industries do much of their work outdoors, facing a broad spectrum of challenging conditions. Garments designed just to tackle the rain can fall short on comfort and performance. New fabric technologies were designed to adapt to changing weather conditions and keep wearers comfortable for extended periods of time. These innovations have created a new class of outerwear, FR foul weather gear. Workers can now count on one garment to provide protection from a mild breeze to extreme cold, wind, rain, and snow.

Staying dry is key to staying comfortable, making a quality, high performance outer layer essential protection from the elements. For complete comfort and protection use your waterproof shell as part of a layered climate system. Build a layered climate system with a combination of:

- ◆ Light, loose layers
- ◆ A moisture wicking layer against skin
- ◆ A thermal insulating layer as needed
- ◆ Outer layer with wind and rain protection

The goal of all protective gear is to improve worker safety. Safety can be enhanced by eliminating the distraction of physical discomfort. Comfort is a driving trend in the flame-resistant clothing category and for good reason, it leads to improved safety and productivity. When you are not distracted by physical discomfort you are better able to focus on the task at hand and follow safety practices.





A

ARC H2O FR HI-VIS RAIN TRENCH COAT - TYPE R CLASS 3

R31R_06

Arc Rating: Yellow: 19 cal/cm² | CAT 2
 Orange: 24 cal/cm² | CAT 2

- Fabric/Material: PU Coated FR Cotton
- 48" trench coat provides superior garment coverage

SM - 3X

(L) (O)



B

ARC H2O FR HI-VIS RAIN JACKET - TYPE R CLASS 3

R30R_06

Arc Rating: Yellow: 19 cal/cm² | CAT 2
 Orange: 24 cal/cm² | CAT 2

- Fabric/Material: PU Coated FR Cotton
- Contoured collar with tuck away attached hood
- Back ventilation system with FR mesh for increased airflow

SM - 3X

(L) (O)



C

ARC H2O FR HI-VIS RAIN BIB OVERALL - CLASS E

R40R_14

Arc Rating: Yellow: 19 cal/cm² | CAT 2
 Orange: 24 cal/cm² | CAT 2

- Fabric/Material: PU Coated FR Cotton
- Adjustable elastic suspender system for fit and comfort

SM - 3X

(L) (O)





BACK



A

A **VIZABLE FR CLASS 3 BOMBER JACKET WITH LANYARD ACCESS**

C34T8Q2DC3

Arc Rating: 34 cal/cm² | CAT 3

- Fabric/Material: 6.5 oz. Westex® DH DWR / 10 oz. FR Quilted Liner
- Covered D-ring opening for fall protection
- Inset knit wrist for added warmth and comfort
- Heavy duty zipper with storm flap

SM - 3X



Westex
DH



B

B **VIZABLE FR HI-VIS HYBRID EXTREME BOMBER JACKET - TYPE R CLASS 3**

C34TZMQHC3

Arc Rating: 46 cal/cm² | CAT 4

- Fabric/Material: 8.5 oz. Westex® UltraSoft® AllOut® / 10 oz. FR Quilted Liner
- Segmented 3M Scotchlite™ FR reflective trim
- Superior water repellency

SM - 5X



Westex
UltraSoft®



C

C **VIZABLE FR HI-VIS QUILTED LINED OUTERWEAR VEST - TYPE R CLASS 2**

OWVTZMQC2

Arc Rating: 46 cal/cm² | CAT 4

- Fabric/Material: 8.5 oz. UltraSoft® AllOut® / 10 oz. FR Quilted Liner
- Covered D-ring opening for lanyard access
- Two lower zipper hand warmer pockets

SM - 5X



Westex
UltraSoft®



TECGEN® FR BIBS

GO-TO DURABILITY AND FUNCTIONALITY

BIB6D__Q2 (DELUXE LINED BIB)

BIB6D__ (UNLINED BIB)

Navy (NV)

Brown (CM)

16 cal/cm²
CAT 2

Quick disconnect adjustable buckles

13 OZ.
100% FR COTTON
DUCK, DWR

Large phone pocket

Extra long FR leg zippers for easy on/off without taking off your boots



Openings to insert knee pads

Lightweight lined option for warmth without weight

TECGEN FR

A

UNION LINE FR ULTRASOFT DUCK HOODED JACKET WITH QUILTED LINER

30393-67

Arc Rating: 41 cal/cm² | CAT 4

- Fabric/Material:
11 oz. Westex® UltraSoft®
Duck, DWR with FR Quilted Liner
- Nomex® cuffs and waist
- Two outer patch pockets and
one inner chest pocket

SM-4X

Brown Duck
(67)



B

UNION LINE FR ULTRASOFT DUCK JACKET WITH QUILTED LINER

30923-67

Arc Rating: 41 cal/cm² | CAT 4

- Fabric/Material:
11 oz. Westex® UltraSoft®
Duck, DWR with FR Quilted Liner
- Covered zip front with FR hook and
loop closure
- Four outer patch pockets and
one inner chest pocket

SM-4X

Brown Duck
(67)



C

UNION LINE FR ULTRASOFT DUCK BIB WITH QUILTED LINER

15079-67

Arc Rating: 41 cal/cm² | CAT 4

- Fabric/Material:
11 oz. Westex® UltraSoft®
Duck, DWR with FR Quilted Liner
- Heavy duty construction
- Extra long leg zippers to easily fit
over work boots

SM-4X

Brown Duck
(67)





DRIFIRE PRIME FR HOT WEATHER NECK GAITER

DF2-762HNG

Arc Rating: 4.9 cal/cm² | CAT 1



DRIFIRE PRIME FR COLD WEATHER NECK GAITER

DF2-762CNG

Arc Rating: 14 cal/cm² | CAT 2

- Fabric/Material: 6.5 oz. DRIFIRE® PRIME
- Designed with flat-lock seams for comfort
- Moisture wicking and fast drying technology

One Size Fits Most



DRIFIRE PRIME FR HOT WEATHER BALACLAVA

DF2-762HB

Arc Rating: 4.9 cal/cm² | CAT 1



DRIFIRE PRIME FR COLD WEATHER BALACLAVA

DF2-762CB

Arc Rating: 14 cal/cm² | CAT 2

- Fabric/Material: 6.5 oz. DRIFIRE® PRIME
- Designed with flat-lock seams for comfort
- Moisture wicking and fast drying technology

One Size Fits Most



LIGHTWEIGHT ULTRASOFT FR BALACLAVA

H11R_

Arc Rating: 12 cal/cm² | CAT 2

- Fabric/Material: 6.5 oz. Westex® UltraSoft® Rib
- Designed for comfort and flexibility
- Flat lock seam for comfort

One Size Fits Most



Westex
UltraSoft®

A **FR CONTROL 2.0 BALACLAVA**

H85FK

B **FR CONTROL 2.0 NECK GAITER**

H01FK159

Arc Rating: 4 cal/cm² | CAT 1

- Fabric/Material: 5.5 oz. FR Control 2.0™
- Proactively regulates skin temperature
- Designed to tackle the cold and the heat

One Size Fits Most



A



B

C **FLAME RESISTANT GRID FLEECE CAP**

H01FWCAP

D **POWER GRID FLEECE FR BALACLAVA**

H92FWPS

Arc Rating: 15 cal/cm² | CAT 2

- Fabric/Material: 9.6 oz. FR POLARTEC® POWER GRID™ Fleece
- Superior breathability; Ultimate comfort
- Warmth without the weight

One Size Fits Most



C



D

E **FLEECE FR HARD HAT LINER**

H74FL10

Arc Rating: 24 cal/cm² | CAT 2

- Fabric/Material: 8.5 oz. DuPont™ NOMEX® IIIA Fleece
- Superior warmth in cold climates
- FR hook and loop closure

One Size Fits Most



E

F **FLAME RESISTANT NOMEX FLEECE CAP**

H01FLCAP

Arc Rating: 24 cal/cm² | CAT 2

- Fabric/Material: 8.5 oz. DuPont™ NOMEX® IIIA Fleece
- Superior warmth in cold climates

One Size Fits Most



F



A FR MODACRYLIC KNIT WINTER HAT

HMOD2BK

Arc Rating: 28 cal/cm² | CAT 3

- Fabric/Material: Modacrylic Blend
- Stretchable fit for more comfort
- Designed for cold weather conditions
- Double layer knit

Regular & Large

Black



B FR KNIT WINTER HAT

HNC2BK

Arc Rating: 35 cal/cm² | CAT 3

- Fabric/Material: 10 oz. DuPont™ Nomex®
- Stretchable fit for more comfort
- Designed for cold weather conditions
- Double layer knit

Regular & Large

Black



C FR FLEECE 3-IN-1 HOOD

H74FL28

Arc Rating: 24 cal/cm² | CAT 2

- Fabric/Material: Hood: 8.5 oz. DuPont™ NOMEX® IIIA Fleece / Neck Gaiter & Face Cover: 5.5 oz. FR Control 2.0
- Combines a fleece hood with an adjustable inner facial liner/neck gaiter
- Designed for cold weather conditions

One Size Fits Most

Navy



D FR WINTER HARD HAT LINER

H74UP11

Arc Rating: 32 cal/cm² | CAT 3

- Fabric/Material: 9 oz. Westex® UltraSoft® over 7 oz. Westex® UltraSoft®
- Adjustable closure
- Hook and loop tabs attach to hard hat

One Size Fits Most

Navy

**Westex
UltraSoft®**



BUILDING A LAYERED CLIMATE SYSTEM

HEAD PROTECTION

Look for breathable and moisture wicking to reduce heat loss without overheating.

MOISTURE WICKING LAYER

It's important to stay dry because moisture against the skin contributes to an increased rate of heat loss. According to the CDC, hypothermia can occur at mild temperatures (above 40 degrees F) "if a person becomes chilled from rain, sweat, or submersion in cold water."

LIGHT, LOOSE LAYERS

Well-fitting garments that are not skin tight provide better insulation due to air gaps, which help keep you warm without overheating. Light layers provide the ability to adjust to changing temperatures through the day by removing layers, versus one heavy and bulky garment.

INSULATION LAYER

Sweatshirts or fleece jackets work to keep warm air in and can be easily removed as conditions change. Zip fronts are more practical because they can be unzipped to release hot air as you work up a sweat.

HIGH PERFORMANCE OUTER SHELL

Waterproof garments keep weather out, while wind-blocking helps maintain warmth. Breathable fabrics and moisture wicking technologies prevent overheating and allowing perspiration to escape, keeping you comfortable and dry inside and out.





A Double Layer FR Control 2.0 Face Mask with Adjustable Ear Loops

MASK2A-_K
MASK2A-_K-5PK (5 pack)

Arc Rating: 13 cal/cm² | CAT 2

- Fabric/Material: 2-layer 5.5 oz. FR Control 2.0™
- Lightweight, breathable FR fabric for maximum comfort
- EZ Fit adjustable ear loops slip over ears to provide a customized fit and easy on and off versus cumbersome tie masks

One Size Fits Most



B TECGEN FR Surgical Style Face Mask with Adjustable Ear Loops

FRSGMASK-5TTN
FRSGMASK-5PK (5 pack)

Arc Rating: 8 cal/cm² | CAT 2

- Fabric/Material: 5.5 oz. TECGEN SELECT FR Twill
- Lightweight, breathable FR fabric for maximum comfort
- EZ Fit adjustable ear loops slip over ears to provide a customized fit and easy on and off versus cumbersome tie masks

One Size Fits Most



C Double Layer Hi-Vis FR Face Mask

MASK2-Y2
MASK2-Y2-5PK (5 pack)

Arc Rating: 10 cal/cm² | CAT 2

- Fabric/Material: 2-layer 6.5 oz. Inherent FR Knit
- Lightweight, breathable FR fabric for maximum comfort
- Double layer per CDC recommendations

One Size Fits Most



National Safety Apparel's FR Face Masks are designed to:

- Fit snug but comfortably against the side of the face
- Allow for breathing without restriction
- Launder without damage or change to shape
- Secure with ear loops

FR FACE MASKS

USER INFORMATION

National Safety Apparel is proud to do our part to help others during an unprecedented time in our history. Teams in Cleveland and Chicago are producing hundreds of thousands of masks and other PPE for United States healthcare workers and essential industrial personnel.

FR face masks are intended to reduce the spread of airborne particles for essential workers in settings that require FR

They are not intended to serve as primary arc flash face protection and should not replace required PPE.

Why should you wear FR face coverings?

- You could be a carrier of an infectious disease and not know it.
- Masks reduce the spread of airborne particles if you cough or sneeze.
- Masks discourage touching of nose and mouth.
- The CDC recommends wearing cloth masks in public when a 6' buffer cannot be maintained.
- Social distancing, hand washing and other CDC recommendations should still be followed.

How to adjust your mask correctly:



1. Place ear loops around both ears, covering your nose & mouth with the mask



2. Cinch adjustable ear loop to achieve proper mask fit



3. Tie a knot in the free end of the loop to secure



4. Tuck excess strap into the corner of the mask or trim with scissors



Arc Rating
40

Arc Rating
40



ARC FLASH PPE

When it comes to working around energized equipment and potentially fatal hazards including arc flash, it's important to have task based PPE you can trust. National Safety Apparel's arc flash protective clothing and PPE line provides workers in electrical maintenance, manufacturing and utilities industry with arc flash kits, including suits, voltage rated gloves, head gear and more.

With experts in design and manufacturing, National Safety Apparel can help customize arc flash PPE for your specific needs.

12 CAL ARCGUARD ARC FLASH KIT WITH PUREVIEW™ & FR ULTRASOFT COVERALL

KIT2CV11PV*

Arc Rating: 12 cal/cm² | CAT 2

- Fabric/Material: 9 oz. Westex® UltraSoft®
- PureView™ faceshield technology offers a greater range of visibility
- Premium anti-fog and scratch resistant coating on faceshield
- Covered 2-way zipper

Garment: SM-3X | Gloves: 08-12



KIT INCLUDES:

- 9 oz. UltraSoft® Coverall
- Faceshield unit, hard hat and faceshield bag
- Class 0 Rubber Voltage Gloves, 10" Leather Protectors and glove bag
- Balaclava
- Safety glasses
- Standard size gear bag

*Also available in 8 cal (KIT2CV08)



12 CAL PUREVIEW ARC FLASH HEAD PROTECTION KIT

KITHP12PV*

Arc Rating: 12 cal/cm² | CAT 2

- Excellent field of vision
- Adjustable settings allow the faceshield to be secured in various positions
- Proven color recognition

One Size Fits Most



KIT INCLUDES:

- PureView™ faceshield with hard hat and slotted adapter
- UltraSoft® balaclava
- Faceshield bag
- Safety glasses

*Also available in 20 cal (KITHP20PV)



ARCGUARD RUBBER VOLTAGE GLOVE PREMIUM KIT

KITGC00__AG

KITGC0__AG

KITGC2__AG



- Class 00 - Max Use Voltage 500V AC/750V DC
- Class 0 - Max Use Voltage 1,000V AC/1,500V DC
- Class 2 - Max Use Voltage 17,000V AC/25,500V DC
- Rubber voltage gloves are electrically tested and marked with initial test date

Gloves: 08-12



KIT INCLUDES:

- One Pair of Class 00, 0 or 2 Rubber Voltage Gloves
- Leather Protectors
- ArcGuard® FR Knit Gloves
- Glove bag

40 CAL ARCGUARD REVOLITE ARC FLASH KIT WITH LIFT FRONT HOOD

KIT4SCLT40LF (with gloves) | KIT4SCLT40NGLF (no gloves)

Arc Rating: 40 cal/cm² | CAT 4

- Fabric/Material: 11 oz. RevoLite™
- 50% lighter than our standard 40 cal kits
- FR hook and loop front closure
- Expandable leg opening to fit over boots

Garment: SM-3X | Gloves: 08-12



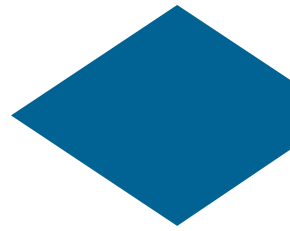
KIT INCLUDES:

- 40 Cal RevoLite Short Coat & Bib Overall
- Lift Front Hood with PureView™ Faceshield and Hard Hat
- Hood Bag
- Safety glasses
- Gear Bag

Personalize Your Kit:

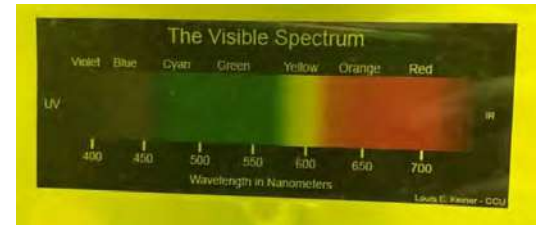
- Add or Remove Class 2 Rubber Voltage Gloves, 12" Leather Protectors and Glove Bag

ARC FLASH SHIELDS



TRADITIONAL GREEN SHIELDS

- ◆ Skewed Color Recognition
- ◆ Low Light Transmission



Imagine working on an electrical panel and not being able to tell the difference between a white and yellow wire or having difficulty seeing because of the poor lighting and a darkly tinted shield. Not only does this increase the risk of human error but additional risk comes when an employee doesn't wear their shield at all because they can't see what they're doing with it on. This was the driving force behind the invention of the PureView™ Faceshield.


PUREVIEW™

- ◆ Virtually colorless lens
- ◆ Improved light transmission
- ◆ No color distortion

The way colors are perceived through PureView Faceshields mimic the eye's natural ability to perceive color. These shields offer proven color recognition in regular and low light settings. Throughout the development of this product color recognition testing was done using Ophthalmologist software to ensure users could distinguish colors in a variety of lighting conditions.




LIFT FRONT HOODS



Specially designed lens curves in both directions to optimize field of view without distortion and reduces interior reflections

Indirect vents offer improved ventilated & communication even when hood lens is down. Removing the hood in order to see, communicate, or work more effectively can leave workers at increased risk of injury. PPE is only effective if it is used properly

Convenient and easy to use, the lift front lens improves worker comfort and encourages compliance. The wearer can easily access fresh air once out of the arc flash boundary by lifting up the shield. Returning to compliance is quick and easy, just lower the shield before returning to the hazard risk zone.



Clear chin cup expands the downward view making it easier to see what you're working on

40 cal knit gussets provide extra coverage without compromising fit or mobility

Streamlined design reduces bulk and weight to improve wearer comfort and reduce the risk of heat stress

HOW TO MEASURE

For specific sizing information, visit www.thinknsa.com/sizing-charts

A. NECK

Measure around the base of the neck, where your collar typically lies. Measure from one button hole to the center of the button on the opposite side.

B. CHEST

Measure around the fullest part of your chest. The best way to assess this is to start just under your armpit.

C. WAIST

For pants: Measure around your waist where you would like you pants waistband to sit.

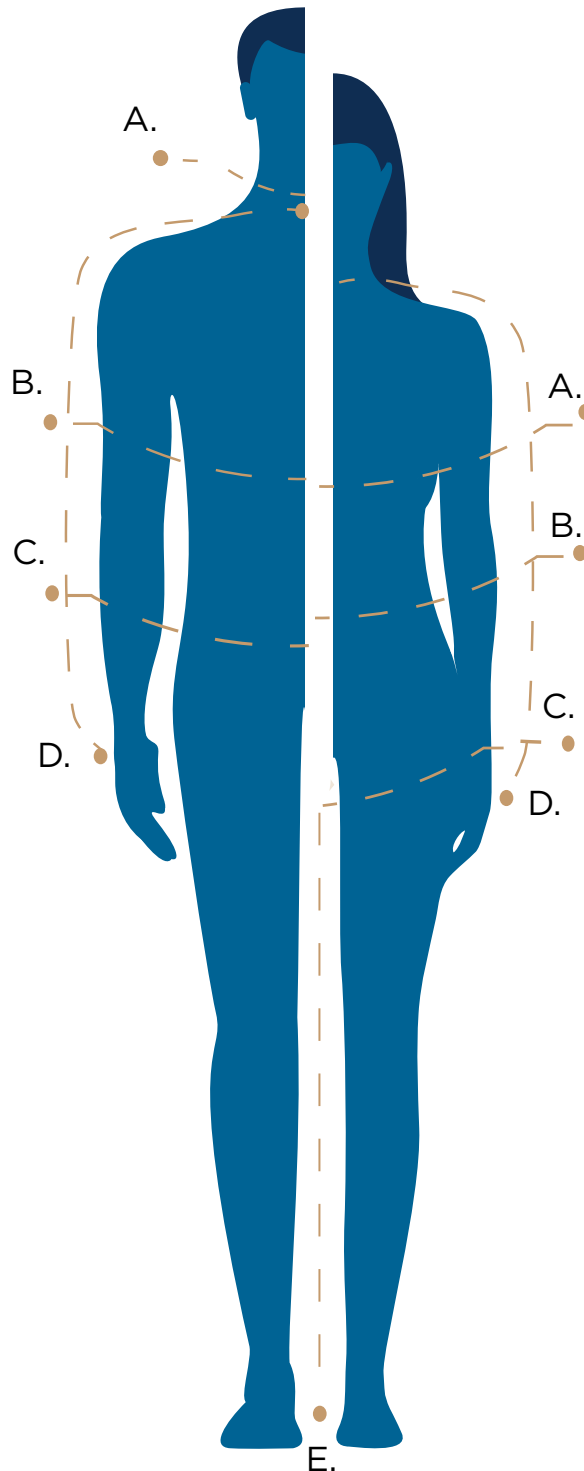
For tops & full body garments: Measure the fullest part of your waist.

D. SLEEVE

To measure your sleeve, start from the center of the back of your neck, over to your shoulder, down past your elbow, and to your wrist.

E. INSEAM

Use a pair of pants similar to the style you are ordering, which fit to your liking. Measure along the inseam from the crotch to the hem.



A. BUST

Measure loosely around the fullest part of your bust. Keep the measuring tape as horizontal as possible.

B. WAIST

For pants: Measure around your waist where you would like you pants waistband to sit.

For tops & full body garments: Measure the fullest part of your waist.

C. HIP

Measure loosely around the fullest part of your hips. Keep the measuring tape as horizontal as possible.

D. SLEEVE

To measure your sleeve, start from the center of the back of your neck, over to your shoulder, down past your elbow, and to your wrist.

E. INSEAM

Use a pair of pants similar to the style you are ordering, which fit to your liking. Measure along the inseam from the crotch to the hem.

HOW TO ORDER

Count on high quality garments and responsive service from our team at National Safety Apparel.

We specialize in custom manufacturing of all types of apparel. Our design team is available to assist in any custom program your customer requires. Our state of the art integrated apparel manufacturing processes enable us to not only meet, but exceed your unique specifications.

800.553.0672

OR

customerservice@thinknsa.com

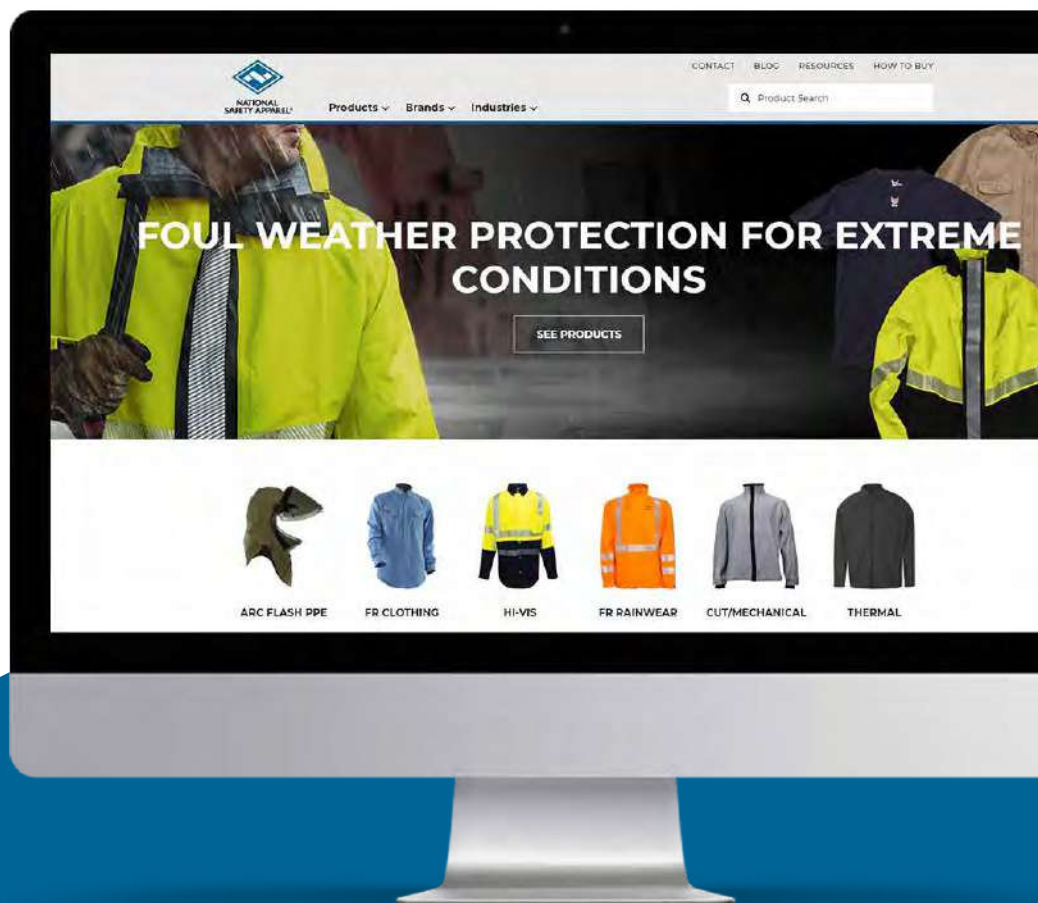


Support available during
normal business hours.

Monday-Friday 8am - 6pm EST

LOOKING FOR ARC FLASH PPE, THERMAL, OR OTHER SAFETY APPAREL?

Check out our website where you can view our full product line up and request your free catalog today at **thinkNSA.com!**



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KIT2CV11PV	12 CAL ARCGUARD ARC FLASH KIT WITH PUREVIEW & FR ULTRASOFT COVERALL	82
KIT4SCLT40LF	40 CAL ARCGUARD REVOLITE ARC FLASH KIT WITH LIFT FRONT HOOD (WITH GLOVES)	83
KIT4SCLT40NGLF	40 CAL ARCGUARD REVOLITE ARC FLASH KIT WITH LIFT FRONT HOOD (NO GLOVES)	83
KITGC0__ _AG	CLASS 0 ARCGUARD RUBBER VOLTAGE GLOVE PREMIUM KIT	83
KITGC00__ _AG	CLASS 00 ARCGUARD RUBBER VOLTAGE GLOVE PREMIUM KIT	83
KITGC2__ _AG	CLASS 2 ARCGUARD RUBBER VOLTAGE GLOVE PREMIUM KIT	83
KITHP12PV	12 CAL PUREVIEW ARC FLASH HEAD PROTECTION KIT	82
KITHYDRO	HYDROLITE FR EXTREME WEATHER KIT - TYPE R - CLASS 3	66
L05TVCE	VIZABLE FR HI-VIS LEG GAITERS - CLASS E	34
MASK2A-_K	DOUBLE LAYER FR CONTROL 2.0 FACE MASK WITH ADJUSTABLE EAR LOOPS	78
MASK2-Y2	DOUBLE LAYER HI-VIS FR FACE MASK	78
OWVTZMQC2	VIZABLE FR HI-VIS QUILTED LINED OUTERWEAR VEST - TYPE R - CLASS 2	71
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PNTB_SD	TECGEN FR SUMMER WEIGHT DUNGAREES	45
PNTD6JTR	TECGEN FR TAPROOM JEAN	44
PNTDYJW	WOMEN'S FR JEANS	59
PNTF8KPW	HAUTEWORK WORKDAY WARRIOR FR PANT	59
PNTJGJ	TECGEN FR JEANS	45
PNTUP	ULTRASOFT FR WORK PANTS	47
PNTUPW	WOMEN'S ULTRASOFT FR WORK PANTS	59
R30R_06	ARC H2O FR HI-VIS RAIN JACKET - TYPE R - CLASS 3	70
R31R_06	ARC H2O FR HI-VIS RAIN TRENCH COAT - TYPE R - CLASS 3	70
R40R_14	ARC H2O FR HI-VIS RAIN BIB OVERALL - CLASS E	70
SHR-DWWS03-__	TECGEN FR 12 CAL WORK SHIRT	32
SHRT_TGV	TECGEN FR PREMIUM VENTED SHIRT	29
SHRTV3C3	VIZABLE FR HI-VIS WORK SHIRT - TYPE R CLASS 3	33
SHRTV3C3YN	VIZABLE FR HYBRID WORK SHIRT - TYPE R CLASS 3	33
SHRTVC3W	VIZABLE FR HI-VIS WOMEN'S WORK SHIRT - TYPE R CLASS 3	57
SHRUO3CX2	VIZABLE FR X-BACK WORK SHIRT - CSA CLASS 2 LEVEL 2	33
SWSI2	TECGEN FR PULLOVER HOODIE	40
SWSI2Z	TECGEN FR ZIP FRONT HOODIE	40
SWSI2ZW	HAUTEWORK JUST THE BASICS FR FLEECE HOODIE	58
SWSSAMZW	HAUTEWORK HAUTE PINK FR FLEECE	58
TCG01__ _02	TECGEN FR WORK SHIRT	31
TCG02__ _08	TECGEN FR COVERALL	50
TCGSCWN001	WOMEN'S TECGEN FR COVERALL	62
TCGSSWN001__	WOMEN'S TECGEN FR WORK SHIRT	57
TEE1N_HW	HAUTEWORK JUST THE BASICS FR HENLEY	56
TEE1N_LSPW	HAUTEWORK LUXE FR POCKET TEE	56
TEEY2C3	VIZABLE FR HI-VIS DUAL HAZARD SHORT SLEEVE T-SHIRT - TYPE R CLASS 3	23
TEEY2LSC3W	HAUTEWORK HI-VIS FR LONG SLEEVE T-SHIRT - TYPE R CLASS 3	56
TEEY2LSHC301	VIZABLE FR HI-VIS DUAL HAZARD LONG SLEEVE HYBRID T-SHIRT - TYPE R CLASS 3	23
TEEY2LSPC3	VIZABLE FR HI-VIS DUAL HAZARD LONG SLEEVE T-SHIRT - TYPE R CLASS 3	23
TEEY2LSPHC3	VIZABLE FR HI-VIS DUAL HAZARD LONG SLEEVE HYBRID T-SHIRT - TYPE R CLASS 3	23
U51FRSR	FR CONTROL LONG UNDERWEAR	17
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V00HA2V	VIZABLE FR HI-VIS MESH SAFETY VEST - TYPE R CLASS 2	34
V21TV2Z	VIZABLE FR HI-VIS DELUXE ROAD VEST - TYPE R CLASS 2	34



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