

Get Your Employees
READY[™]

FLAME RESISTANT CLOTHING





Electric Arc
Flash



Flash Fire



Molten Metal
Splash

BE READY™

Cintas is the largest provider of managed flame resistant clothing (FRC) programs. Over half a million wearers get **Ready for the Workday™** with FRC from Cintas - making Cintas the most trusted source to equip companies with FRC apparel in North America. With our professional commitment and diverse options, Cintas offers FRC products from manufacturers who engineer them to be more durable, more comfortable and lighter than any other garments of their type.

HAZARDS ASSESSMENT

OSHA regulations require employers to provide their employees with personal protective equipment (PPE) in certain work environments to reduce employee exposure to hazards.

For example, do your employees or contracted workers...



work on or near electricity or energized parts?



work with flammable liquids or gases?



weld or come into contact with molten metals?

If you answered 'Yes' to any of these questions, you should consult with a safety professional to determine whether a protective apparel program may be required.

As an employer, it is your responsibility to comply with industry standards and OSHA regulations to protect your employees from hazards they may encounter. Failure to comply can leave your business liable and you may face the risk of litigation and government fines. After you have consulted with a safety professional and determined your employees' PPE needs, Cintas can provide that PPE and design a laundry service program to fit your company's needs.

ELECTRIC ARC FLASH



6,000

Nearly 6,000 fatal electrical injuries occurred between 1992 and 2013*

5-10

Between 5 and 10 electric arc flash explosions occur every day in the US*

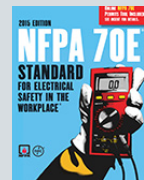
35,000°F

Electric Arc Flashes produce temperatures up to 35,000°F*



According to the Fire Protection Research Foundation, electrical injuries represent a serious workplace health and safety issue. Failure to use appropriate PPE for electrical safety work practices, including FRC, contributes to many electrical injuries.

OSHA's Workplace Safety Awareness Council defines an arc flash as a phenomenon where a flashover of electric current leaves its intended path and travels through the air from one conductor to another, or to the ground. The results are often violent and when a human is in close proximity to the arc flash, serious injury or even death can occur.



NFPA 70E is an industry standard which outlines how to properly protect your employees and create a safe working environment, as well as help your company comply with government regulations.

NFPA 70E applies to all personnel working on energized equipment greater than 50 volts or equipment that could produce an arc flash – which means virtually every industry has employees at risk.

*Bureau of Labor Statistics, as published by the Fire Protection Research Foundation in "Occupational Injuries from Electrical Shock and Arc Flash Events" report.

SIMPLIFIED TWO-CATEGORY FLAME RESISTANT CLOTHING SYSTEM



CATEGORY 2 REQUIRED PPE

Also fulfills NFPA 70E
requirement of Level 1

✓	Safety glasses or goggles	✓
✓	Hearing protection (inserts)	✓
✓	Insulated rubber gloves with leather protectors	✓
✓	EH heavy-duty leather footwear	✓
✓	Arc rated long sleeve shirt/coverall (8.0 ATPV or higher)	✓
✓	Arc rated long pants/coverall (8.0 ATPV or higher)	✓
✓	Hard hat with Arc rated face shield and balaclava	✓
	Arc rated coveralls	✓
	Arc rated (40 cal) Arc Flash suit jacket	✓
	Arc rated (40 cal) Arc Flash suit pants	✓
	Arc rated (40 cal) Arc Flash suit hood	✓

CATEGORY 4 REQUIRED PPE

Also fulfills NFPA 70E
requirement of Level 3



FLASH FIRE



16%

Fire and explosions are responsible for 16% of fatalities in oilfields*

1,000-1,900°F

Hydrocarbon (oil and gas) flash fires generate temperatures of 1,000 to 1,900 degrees Fahrenheit.*



According to OSHA, a flash fire is a fire that spreads rapidly through a diffuse fuel, such as dust, gas, or the vapors of an ignitable liquid, without the production of damaging pressure.

Combustible dust is a concentration of airborne particles in a closed area which can be ignited by a spark or even static electricity, potentially causing a flash fire.



OSHA enforces policy 29 CFR 1910.132(a), the general industry standard for Personal Protective Equipment (PPE). This policy explains OSHA's position on providing and using Flame Resistant Clothing (FRC) in oil and gas well drilling, servicing and production-related operations.



NFPA 2112 is the Standard on Flame-Resistant Garments For Protection of Industrial Personnel Against Flash Fire. This standard provides minimum requirements for the design, construction, evaluation and certification of flame-resistant garments. The NFPA 2113 standard specifies the minimum selection, care, use and maintenance requirements for FR garments.

*OSHA

MOLTEN METAL SPLASH



Molten metal splash commonly occurs when moisture or wet materials are introduced causing the metal to explode violently and throw dangerous molten metal into the air.

3,000°F

Molten metal can reach temperatures up to 3,000°F, causing severe injury or death

Failure to provide personal protective equipment designed for molten metal splash hazard is a serious infraction of OSHA standard 29 CFR 1910.132, the Occupational Safety and Health Act of 1970, and other regulations which can lead to convictions and fines.



MANAGING YOUR FRC PROGRAM



Partnering with Cintas for your flame resistant clothing options delivers you three key benefits: **comfort, convenience and care.**

COMFORT

We offer a full line of retail inspired protective apparel from the best brands and fabrics. We individually fit uniforms for each employee to ensure the right look and fit.

CONVENIENCE

We save you time with weekly route services to collect soiled garments and return them after being professionally laundered according to industry best practices.

CARE

We follow industry standards regarding the laundering, repair and replacement of flame resistant clothing.

Advantages of a managed industrial laundry program:

- **Proper Laundering:**
Using appropriate water temperatures, water softness and chemical formulas.
- **Weekly Inspection and Repair:**
Searching garments for holes, missing buttons and broken zippers and repairing with FR materials.
- **Proactive Replacement:**
Retiring garments from service.

A TAILORED PROGRAM TO MEET YOUR NEEDS

Once you have identified the appropriate PPE for your employees, you can choose a rental, lease or purchase program based on the needs of your workforce.

RESPONSIBILITIES	RENT	LEASE	PURCHASE
Weekly Laundering	Cintas	Employee	Employee
Weekly Inspections	Cintas	Company	Company
Repairs	Cintas	Cintas	Company
Delivery	Cintas	Cintas	Cintas
Size Changes	Cintas	Cintas	Company
New Orders/Replacements	Cintas	Cintas	Company
Management of Program	Cintas	Cintas	Cintas
Initial Fitting	Cintas	Cintas	Cintas

We can add logos and names to your garments for a custom look. If the size of your workforce increases, we keep you Ready™ with additional uniforms for your employees.

Contact us today to learn more about how Cintas can help you with your Personal Protective Equipment Program.

800.CINTAS1 | [Cintas.com/ProtectiveApparel](https://www.cintas.com/ProtectiveApparel)



CARHARTT® FR RENTAL WORKWEAR



Rental FR Workwear
Only from **CINTAS**



Light Blue
(80)

Navy
(20)

294 Carhartt® 88/12 Long Sleeve Shirt

6.5 oz
Khaki (62), Light blue (80), Navy (20)
ATPV 9.5, ARC 2
ASTM 1506, UL 2112 Certified



371 Carhartt® 88/12 Pant

9 oz
Navy (20)
ATPV 12, ARC 2
ASTM 1506, UL 2112 Certified



290 Carhartt® Carpenter Jean

11.75 oz, 100% FR cotton
Denim (83)
ATPV 15.2, ARC 2
UL 2112 Certified



280 Carhartt® Jean

14.75 oz, 100% FR cotton
Denim (83)
ATPV 23.8, ARC 2
UL 2112 Certified



391 Carhartt® 88/12 Coverall

7 oz
Navy (20)
ATPV 8.6, ARC 2
ASTM 1506, UL 2112 Certified

EXCLUSIVELY FROM CINTAS



297 Carhartt® Long
Sleeve T-Shirt
6.7 oz
Heather Gray (31)
ATPV 8.2, ARC 2, UL 2112 Certified



63680 Carhartt® FR
Enhanced Visibility Shirt
6.5 oz
Navy (20)
ATPV 9.5, ARC 2
ASTM 1506, UL 2112 Certified



63685 Carhartt® FR
Enhanced Visibility Pant
9 oz
Navy (20)
ATPV 12, ARC 2
ASTM 1506, UL 2112 Certified



63686 Carhartt® FR
Enhanced Visibility Coverall
7 oz
Navy (20)
ATPV 8.6, ARC 2
ASTM 1506, UL 2112 Certified

FLAME RESISTANT CLOTHING



8803 Navy (20)



Light Blue
(80)

7733 Tecasafe™ Plus Shirt
8.5 oz, Khaki (62), Light Blue (80)
ATPV 9, ARC 2, UL 2112 Certified

8803 Tecasafe™ Plus Pant
8.5 oz, Navy (20)
ATPV 10.2, ARC 2, UL 2112 Certified



8066 Tecasafe™ Knit Polo
6.7 oz, Navy (20)
ATPV 8.2, ARC 2, UL 2112 Certified



Light Blue
(80)

Navy
(20)

656 Nomex® IIIA Shirt
4.5 oz, Light Blue (80)
Khaki (60), Navy (2)
ATPV 4.5, ARC 1
UL 2112 Certified



60698 Nomex®/Rayon Shirt
4.5 oz, Denim (83)
ATPV 4.5, ARC 1
UL 2112 Certified

746 Nomex® IIIA Pants
7.5 oz, Navy (20)
ATPV 7.0, ARC 1
UL 2112 Certified



80309 Nomex® IIIA Vest/Jacket Liner
 Navy (20)
 ATPV 37, ARC 3
 UL 2112 Certified
 (Can be worn with 61356 or 9585)



64356 EXCEL FR® Jacket Liner
 Navy (20)
 ATPV 43.3, ARC 4
 UL 2112 Certified



61356 EXCEL FR® Bomber Jacket
 Navy (20)
 ATPV 30.4, ARC 3
 UL 2112 Certified



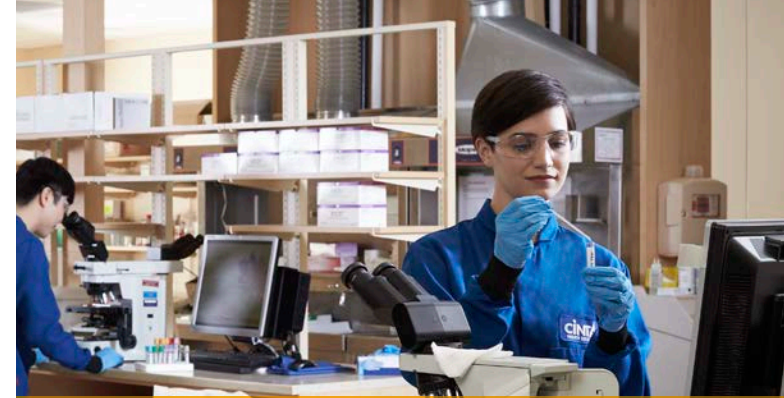
746 Navy (20)

8723 Tecasafe™ Plus Coverall
 7 oz, Navy (20)
 ATPV 10.2, ARC 2
 UL 2112 Certified
 (not shown)

737 Nomex® IIIA Coveralls
 6 oz, Navy (20), Liberty Blue (26)
 ATPV 5.6, ARC 1
 UL 2112 Certified
 (not shown)



8723 Navy (20)



Are your students protected?

9632 FR Lab Coat
 4.5 oz, Royal (26)
 ATPV 4.4, ARC 1
 UL 2112 Certified



ENHANCED VISIBILITY



61286

60079

61286 Orange E-Vis 88/12 Workshirt
7 oz, Orange
ATPV 8.6, ARC 2, UL 2112 Certified

60079 Orange E-Vis 88/12 Jacket
9 oz, Orange
ATPV 12.2, ARC 2

60078 Jacket Liner
15.5 oz, Grey
Arc Rating N/A when worn alone.
When worn with 60079, ATPV 61.3
(not shown)



64302

64302 88/12 Shirt with Reflective Trim
7 oz, Light Blue (80)
ATPV 8.7, ARC 2, UL 2112 Certified



64308

64308 Tecasafe™ Plus Shirt with Reflective Trim
8.5 oz, Khaki (62)
ATPV 9.0, ARC 2, UL 2112 Certified



9585

ENHANCED VISIBILITY OUTERWEAR:

9585 E-Vis EXCEL FR® Bomber Jacket
Navy (20)
ATPV 30.4, ARC 3, UL 2112 Certified

64307 Tecasafe™ Plus Coverall with Reflective Trim
7 oz, Navy (20)
ATPV 10.1, ARC 2, UL 2112 Certified

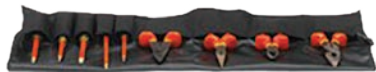


64307

PERSONAL PROTECTIVE EQUIPMENT



Arc Flash Suit



63545 Insulated Hand Tools



86935 Rubber Insulated Gloves Covers
Classes 00, 0, 1, 2



86938 Leather Glove Protectors
10" and 12"



82337 Indura UltraSoft® Balaclava



89512 Arc Flash Protective Face Shield

Additional PPE products available upon request.



800.CINTAS1 | CINTAS.COM/PROTECTIVEAPPAREL
UNIFORMS | FACILITY SERVICES | FIRST AID & SAFETY | FIRE PROTECTION

Pursuant to OSHA regulations, 29 CFR 1910.132 (Subpart I), an employer bears sole responsibility for selecting the type(s) of personal protective equipment to be used by its employees. All purchasers of FRC garments and/or laundering services from Cintas bear full responsibility for selecting the PPE appropriate for use by their employees. Cintas makes no representation, warranty, or covenant with respect to the flame-resistant qualities of the garments or with respect to the fitness or suitability of the garments for any particular use or purpose. The purchase of any goods or services from Cintas is subject to Cintas's Standard Terms and Conditions and/or any other applicable written contract executed between the purchaser and Cintas relating to such purchase.