



# Max Comfort FR GEAR

## Target Industries Include:

- Arc Flash • Chemical Plants • Combustible Dust
- Commercial Construction • Electrical • Flash Fire • Oil and Gas
- Paper Mills • Petrochemical • Refineries • Utility Workers

- Lifetime FR Guarantee
- All Products Meet Category HRC2/CAT2
- NFPA 2112 and NFPA 70E UL Certified Garments
- OSHA 29 CFR 1910.269

• Custom Patchwork Options Available On All Garments



**DC1R**  
**Deluxe Coverall with Reflective Material**  
 7 oz. FR Max Comfort™  
 88% Cotton/12% Nylon  
 ATPV 9.3 cal/cm² (HRC2/CAT2)\*  
 Sizes: See Chart  
**Available Colors**  
 Gray (G)  
 Red (R)

**DC1**  
**Deluxe Coverall**  
 7 oz. FR Max Comfort™  
 88% Cotton/12% Nylon  
 ATPV 9.3 cal/cm² (HRC2/CAT2)\*  
 Sizes: See Chart  
**Available Colors**  
 Gray  
 Navy Blue  
 Red  
 Royal Blue  
 Tan

**CC1**  
**Contractor Coverall**  
 7 oz. FR Max Comfort™  
 100% Cotton  
 ATPV 9.3 cal/cm² (HRC2/CAT2)\*  
 Sizes: See Chart  
**Available Colors**  
 Gray  
 Navy Blue  
 Red  
 Royal Blue  
 Tan

Coverall Sizes:	
Chest	Length
34" to 60"	Regular
36" to 66"	Tall

FR Gear	See Series	FR Gear	See Series
DC1R	10813-044	S1	10813-390
DC1	10812-808	P1	10813-304
CC1	10812-428	H1	10813-454

Find all available sizes at [www.vwr.com](http://www.vwr.com)

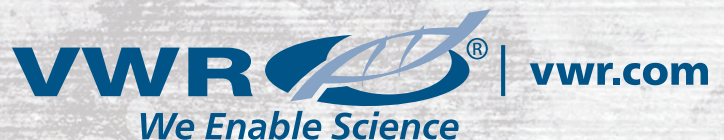


**S1**  
**Work Shirt**  
 6.5 oz. FR Max Comfort™  
 88% Cotton/12% Nylon  
 ATPV 9.5 cal/cm² (HRC2/CAT2)\*  
 Sizes:  
 Regular M-X4  
 Tall M-X4  
**Available Colors**  
 Gray (G)  
 Navy Blue (N)  
 Tan (T)

**P1**  
**Relaxed Fit Jeans**  
 14.75 oz. FR Max Comfort™  
 100% Cotton Denim  
 ATPV 20.0 cal/cm² (HRC2/CAT2)\*  
 Sizes:  
 Waist 28" to 50" / Length 30" to 36"  
**Color**  
 Indigo Blue (D)



**H1**  
**Long Sleeve Henley**  
 7 oz. Max Comfort™  
 100% Cotton  
 ATPV 9.6 cal/cm² (HRC2/CAT2)\*  
 Sizes:  
 Regular S-X5  
**Available Colors**  
 Gray (G)  
 Navy Blue (N)  
 Tan (T)



\*ATPV = Arc Thermal Performance Value  
 HRC = Hazard Risk Category, CAT = Category

# OSHA 1910.269 Question and Answer Sheet

## **What is An Arc Flash?**

"A phenomenon where a flashover of electric current leaves its intended path and travels through air from one conductor to another, or to ground. It is often violent and can cause serious injury or even death. Causes can range from an overabundance of dust, falling tools, or faulty installations\*".

## **What Standard Offers Arc Flash Protection?**

29 CFR 1910.269, commonly called OSHA 1910.269, is the Federal Regulation that outlines and defines safety practices for those working in Electric Power Generation, Transmission, and Distribution of Electricity.

## **Why Did OSHA Decide to Modify Its Standard?**

Previously written in 1972, this "forty plus" year old regulation had become outdated and inconsistent with the general industry.

## **What Are the Changes in the New Regulation That Will Affect My FR Clothing Program?**

All electrical workers who could be exposed to an electric arc while on the job are now required to use flame resistant/arc-rated clothing.

## **When Do the New Regulations Go in Effect?**

These are compliance dates as printed in the Federal Register on April 11, 2014.

**July 10, 2014** - The employer must have assessed the work place for electric arc hazards and provide proper clothing to the employee which does not melt or ignite and continue to burn.

**January 1, 2015** – Employers should have completed the estimated incident energies analysis of workplace jobs.

**April 1, 2015** – The employer must ensure that employees with exposure to electric arc hazards wear protective clothing and other protective equipment with an arc rating greater than or equal to the estimated heat energy whenever it exceeds 2.0 Cal/cm<sup>2</sup>.

## **How Do I Know I Am Providing the Right Clothing for My Employee?**

Clothing should be labeled as meeting standard NFPA 70E (or ASTM F 1891 for rainwear) and has a sufficient arc rating to protect against the energies identified in your hazard/risk assessment.

## **Who is Required to Pay for the Flame Resistant, Arc Rated Clothing That the Employee Must Wear?**

Employers are required to provide and pay for flame resistant/arc rated clothing for employees at risk of exposure to an electric arc.

## **Can I Wear Heavy Weight Cotton Garments?**

No, Non-flame resistant/non-arc rated garments are no longer accepted under the new regulations, even if they are made with heavy weight natural (non-melting) fibers.

## **Will Short Sleeves Still Be Allowed?**

No, workers are now required to wear flame resistant/arc- rated clothing which should cover the entire body to minimize burn injury. Short sleeve shirts can only be worn if another piece of PPE is worn to protect the arm.

## **Will Non-FR Pants/J Jeans Be Allowed?**

No, only flame resistant/arc rated pants and jeans are acceptable under the new regulation.

## **Do the Changes Affect Contractors?**

All requirements mandated by the revised OSHA 1910.269 regulations apply to contractors. Approved Personal Protection Equipment (PPE) that has met the level of performance indicated by the results of the host employer's hazard/risk assessment must be worn by all representatives of hired contractors.



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