

It could happen in a
FLASH!

Did you know?

80% of all electrical burn injuries result from Arc Flash accidents

What is Arc Flash?

Arc Flash is a short circuit that flashes from one exposed live conductor to another or to the ground. As a result, ionized air creates electrically conductive, super-heated plasma that can reach temperatures of 35,000°F or higher. **Temperatures this high cause severe 2nd and 3rd degree burns in a matter of seconds.** Shrapnel pieces and loose debris can be thrown around the room due to the force of the explosion creating even more risk and injury to employees.

What can cause Arc Flash?

- Mechanical Breakdowns
- Failed electrical circuits
- Accidental contact
- Dust
- Faulty Installation
- Condensation
- Current overloads
- Corrosion
- Dropping tools

6 Ways to Prevent Arc Flash:

1. De-energize the equipment or turn it off!
2. Create an established Arc Flash program and train and educate your employees
3. Wear Proper Personal Protective Clothing
4. Clearly Identify hazardous areas with labels and signage
5. Barricade boundaries
6. Use Ground Fault Circuit Interrupters (GFCI Outlets) for added protection

NFPA 70E recommends that employers perform and arc flash analysis to determine:

- The Flash Protection Boundary
- Calculate the hazard category and protective equipment requirements
- Cover both Arc Flash and Electrical Shock Hazards in employee training, work procedures and permits

ASTM F1959 details the standardized test that must be used to determine the thermo protective value of textiles in an electrical arc application



Protect and equip your environment with these essential Arc Flash Safety Items:

