

THE HIDDEN WELDING DANGERS RIGHT IN FRONT OF YOUR EYES.

Unintentional, unprotected exposures can steal a lifetime of sight.

Health and safety managers understand the wide range of risks welders are exposed to on a daily basis, from toxic fumes and gases to electric shock. However, an equally important risk to understand and guard against is eye injury. Welders who are exposed to bright flashes from surrounding welding

arcs without proper protection are, at all times, at risk for serious eye damage such as arc eye and other permanent conditions. To maximize protection, it's important to look for solutions that provide protection from all hazards presented — the ones you can see, and the ones you can't.

KNOWING THE RISK

Welders are not only at risk for numerous respiratory hazards, including heavy metal poisoning, lung cancer, metal fume fever and kidney damage, but also potential eye damage when exposed to surrounding flash. Eye injuries alone account for **25% of all welding injuries**.¹

5 MILLION workers are required to wear a respirator, yet respirator protection is cited as a top OSHA violation.²

3,500 incidents occur every year as a result of insufficient welding protection.³

5.6% of all construction injuries are the result of welders' flash.⁴

562,000 workers are exposed to chemical and physical hazards because of welding.⁵

Exposure to just a few seconds of intense UV light can cause "arc eye."

KNOWING THE SYMPTOMS

- Pain ranging from a mild feeling of pressure in the eye to intense pain in severe instances
- Tearing and watering of the eye
- Bloodshot eyes
- Blurred vision
- Sensation of grit or sand in the eye⁶
- Abnormal sensitivity to light
- Inability to look at light sources⁷

WAYS TO PROTECT AGAINST ARC FLASH INJURIES

Isolating the workplace with curtains can absorb radiation, and protect workers surrounding the welder.

Wearing appropriate eye protection, clothing and gloves is essential for protecting against UV radiation.

Covering any highly reflective surfaces ensures that bright lights from welding tasks are not reflected toward others in the room.

When experiencing flash burn, it's important to seek immediate medical treatment to avoid infection.

BREATHING NEW LIFE INTO WELDER SAFETY

With the Honeywell North® Primair™ PA800 Series Welding Helmet with Primair PA700 PAPR, welders are not only protected against hazardous gases and fumes, but they can also avoid exposing themselves to arc flashes.

Most welding protection products have a second layer of clear polycarbonate under their auto-darkening layer, requiring workers to flip their helmet up, which is when exposure to surrounding arc flash can occur.



Honeywell's innovative design with an emphasis on comfort keeps your welders safe for their entire shift by preventing harmful exposure to arc light.

For more information about Honeywell respiratory protection, please visit industrialsafety.honeywell.com

Sources

- ¹ <https://ohsonline.com/Articles/2007/02/Preventing-Eye-Injuries-When-Welding.aspx>
- ² <https://www.worksitemed.com/top-five-respiratory-protection-citations-from-2016/>
- ³ <http://tyndaleusa.com/blog/2018/08/27/how-common-are-arc-flash-incidents/>
- ⁴ <https://www.osha.gov/archive/oshinfo/priorities/welding.html>
- ⁵ <https://www.osha.gov/archive/oshinfo/priorities/welding.html>
- ⁶ <https://www.ishn.com/articles/103728-all-about-welders-flash-or-arc-eye>
- ⁷ https://www.ccohs.ca/oshanswers/safety_haz/welding/eyes.html

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