

Emergency Eyewash

Facts that can **Save a Worker's Sight**

Protecting Eyesight in the Workplace

Workplace eye injuries



2,000

occupational eye injuries occur in the U.S. daily



1 in 10

injuries requires 1 or more missed days of work



10% - 20%

result in temporary or permanent vision loss



\$467 Million

the direct costs of occupational eye injuries to U.S. employers each year



\$934 Million

the total of direct and indirect costs to U.S. employers each year

ANSI Z358.1-2014 Standard

The American National Standards Institute's standards for emergency eyewash, including universal minimum performance and use requirements.

00:00:01

1 Second

the maximum amount of time it can take to activate an eyewash station



15 Mins.

the minimum number of minutes both eyes must be flushed



Zero

the number of permissible steps, stairs or obstructions along the route to eyewash station



10 Seconds

the maximum time it should take workers to reach an eyewash station



0.4 gal./min.

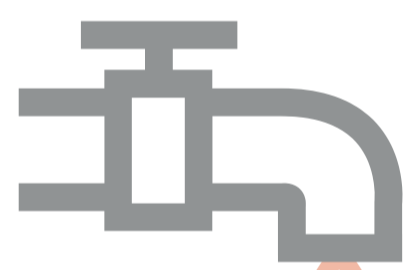
the rate of flow required from every emergency eyewash station



60°F - 100°F

the required temperature range for safe flushing

Dangers of flushing with tap water



Contains potential hazards to eye health



Temperature cannot always be controlled



Fluid **does not match** the eye's pH



Plumbed units require **costly, frequent** (i.e. weekly) activation and maintenance



May contain **more than 300 pollutants** nationwide that can harm the eye

Impurities can cause **secondary injury and vision loss** when treating an already compromised eye

Benefits of using portable units



Reliable, safe, and effective in eye injury mitigation



Available in **various sizes and styles** to meet the needs of nearly every location



Easily moved and placed in close proximity to hazards



Ideal for locations without access to continuous potable water source



Store and deliver preserved and/or pH-balanced water or saline



Generally deliver tepid (room temperature) water



Requires less frequent maintenance than plumbed

Benefits of using Secondary eyewash devices (bottled eyewash)



- Excellent first defense against caustics/chemicals while in route to primary unit
- Highly portable and can be placed directly at site of hazards
- Perfect for confined spaces
- Good for treating nuisance particles

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