

SPEAKMAN®

Dangers of Screw-on Eyewashes

Problems related to faucet mounted
eyewash attachments.

DANGERS OF SCREW-ON EYEWASHES

Scenario: An Employer has a hazard that is injurious to the eyes & needs an eyewash.

- The hazard is located near a sink with a standard faucet.
- The employer finds a cheap eyewash in a catalog that will attach onto the faucet in place of the aerator.



Faucet Mounted Eyewash



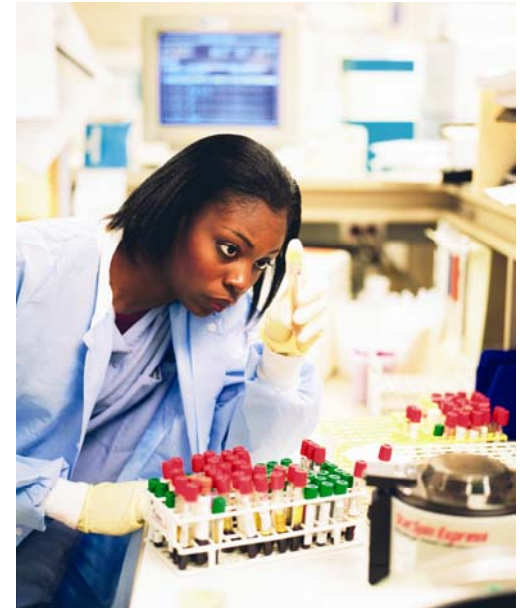
PROBLEM # 1

2-Step Activation: Screw-on eyewash require a 2-step activation process, which may not comply with the ANSI Z358.1 eyewash standard.

- ANSI Z358.1 requires that an eyewash can be activated in 1 second or less to be compliant.
- In normal operation these eyewashes require 2 activation steps
 - Activate the faucet by turning the handle
 - Pull the eyewash lever to divert water to the eyewash
 - This activation process may take more than 1 second

Important: Faucet-mounted eyewashes, whether manufactured by Guardian Equipment or other companies, require two motions to operate (turn on water, pull knob to activate eyewash flow). Therefore, Guardian does not believe that these units meet the provisions of ANSI Z358.1-2004 as eyewash units. These units are intended solely as supplemental units in addition to dedicated, plumbed eyewash equipment installed in the workplace.

Faucet-mounted eyewashes should be used with cold or warm water only. Use of hot water might cause scalding.



PROBLEM # 1

2-Step Activation : The screw-on eyewash requires a 2-step activation process...

- Several manufacturers provide screw-on eyewashes with single step pull lever activation, indicating that these eyewashes are ANSI compliant.
- Once the handles are removed from the faucet & the eyewash becomes primary, there is no faucet for the employees to use.



Faucet Mounted Eyewash

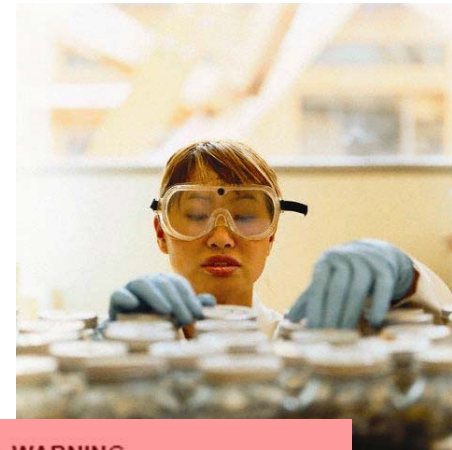
- In order for these eyewashes to function, the faucet must be pressurized at all times, to operate the eyewash.
- Competitor instructions & images show that both the hot & cold water handles are removed from the faucet
 - Hot to prevent a chance of scalding
 - Cold so that the water supply to the eyewash is left on & cannot be inadvertently turned off.



PROBLEM #2

Scalding Threat: When activating the eyewash there is a potential that the hot water valve could be activated, scalding the user's eyes.

- OSHA has indicated that if a potential for the eyes to be scalded exists, a citation is in order.
- Many screw-on eyewash manufacturers try to avoid this by disabling the hot water supply to the Faucet.
 - This solution leaves the faucet with no hot water for hand washing, a potential health code violation.



WARNING

To prevent scalding of the eyes when the Eyewash is in use, it is recommended that the hot water supply be disconnected OR that tempered water be provided. A comfortable eyewash water temperature range is 15° C - 35° C (60° F - 95° F). In circumstances where chemical reaction is accelerated by water temperature, a facilities safety/health advisor should be consulted regarding the optimum temperature for each application*.

*ANSI Z358.1-2004

Bradley Corporation

SPEAKMAN SAFE EYEWASH SOLUTIONS



SEF-1800: A 100% ANSI Z358.1 compliant combination eyewash/faucet where each component operates independently & never a danger of delivering scalding water to the eyes. A single plumbed source for both the faucet & eyewash makes this 2-in-1 product extremely cost & space efficient.



SEF-1800-SL



SEF-1812



SEF-1800



Specify: SEF-1800 series Eyesaver[®] faucets. See specification sheets for a wide variety of product configurations & options

SPEAKMAN SOLUTION: SEF-1800 Series

Features:

- Separate water channels for eyewash & faucet
- Available with sensor, widespread, single lever activation
- Additional options include:
 - Vandal Resistant 0.5 flow control
 - Cross handles
 - Foot pedal activation
 - Serrated tip with vacuum breaker
 - Laminar flow outlet (2.2 gpm)
 - 6" wrist handles
 - 8" gooseneck spout

