

Emergency Eyewash & Showers

The availability of first aid in cases of emergency is important to reduce the impact and severity of injuries. In OSHA 29 CFR 1910.151, subpart k, sec. c OSHA requires that **“Where the eyes or body of any person may be exposed to injurious corrosive materials, suitable facilities for quick, drenching or flushing of the eyes and body shall be provided within the work area for immediate emergency use”**. OSHA compliance personnel, when assessing safety and health conditions related to showers and eyewashes, reference both 29 CFR 1910.151 c and ANSI Z358.1-1990

Availability and operability of these devices is often an overlooked part of a safe work environment. This edition of the **VWR Safety Trainer** will outline the requirements of this standard. The ANSI Z358.1-1998 standard says that emergency eyewashes & showers:

- be located within **10 seconds travel time** of the hazard
- shall be **located on the same level as the hazard and the path shall be free of obstructions.**
- be in good working order** and meet ANSI performance specifications (see below)
- be protected from freezing** or freeze protected equipment shall be installed
- shall deliver **tepid water** or flushing fluid
- not be what is deemed “personal eyewash equipment” such as bottles or hand held drench hoses.** These products are to support but not replace approved eyewashes and showers.
- shall be **tested weekly** to verify proper operation
- shall be **inspected annually** to assure conformance with requirements.
- shall be **identified with highly visible signs** & the area well lighted.
- employees** who may be exposed to hazardous materials **shall be instructed in the location and proper use of the equipment.**
- **Eyewash heads** must be protected to prevent contaminants in the ambient air from settling on the eyewash heads.











Consider using your Personal Protective Equipment (PPE) assessment or MSDS's as a guide in determining where hazards to the eye and body exist in your workplace.

Common areas where hazards are present may include; forklift battery charging areas, any process where chemicals (acids, bases or solvents) are handled, dumped or transferred, any operation where dusts or projectiles are present, any area where chemicals are under pressure, etc.

RECOMMENDED VWR PRODUCTS

SPEAKMAN Safety Products

VWR SAFETY
Protecting People, Products & Processes

<p>Combination shower & eyewash features eyewash with dual aerated spray outlets, flip top dust covers and stainless steel bowl combined on a painted galvanized steel stanchion with an Impeller Action deluge showerhead which is activated by a high visibility yellow pull rod. Unit meets ANSI Z358.1-1998.</p> <p>VWR Model # VF-SE-693</p>		<p>Combination shower & eyewash features eyewash with dual aerated spray outlets, flip top dust covers and ABS plastic bowl combined on a painted galvanized steel stanchion with an Impeller Action deluge showerhead which is activated by a high visibility yellow pull rod. Unit meets ANSI Z358.1-1998.</p> <p>VWR Model # VF-SE-697</p>	
<p>Emergency Shower features an Impeller Action yellow Cyclocac® shower head with a vertical overhead supply. The unit is activated with a 1" stay-open ball valve operated by a high visibility yellow pull rod. Unit meets ANSI Z358.1-1998.</p> <p>VWR Model # VF-0220-SE</p>		<p>Emergency Shower features an Impeller Action yellow Cyclocac® shower head with a horizontal supply. The unit is activated with a 1" stay-open ball valve operated by a high visibility yellow pull rod. Unit meets ANSI Z358.1-1998.</p> <p>VWR Model # VF-0227-SE</p>	
<p>Eyesaver® eyewash features a plastic bowl, dual aerated spray heads with automatic flow controls and flip top dust covers. Unit meets ANSI Z358.1-1998.</p> <p>VWR Model # VF-SE-580</p>		<p>Eyesaver® eyewash features a stainless steel bowl, dual aerated spray heads with automatic flow controls and flip top dust covers. Unit meets ANSI Z358.1-1998.</p> <p>VWR Model # VF-0582-SE</p>	
<p>Counter top mounted combination eyewash/drench hose featuring stay open valve, twin aerated sprays with automatic flow control, 6' hose and flip top dust covers. Unit meets ANSI Z358.1-1998.</p> <p>VWR Model # VF-0927-SE</p>		<p>Gravityflo® eyewash is ideal for areas where a plumbed source of water is not available. The unit features a 21-gallon tank, brass activating valve, fittings to connect an optional drench hose. Unit includes wall mounting bracket and meets ANSI Z358.1-1998.</p> <p>VWR Model # VF-4000-SE</p>	
<p>Look Familiar? LOOK AGAIN. This Speakman Eyewash System™ combines an eyewash and faucet that work independently. There is no need to activate the faucet for the eyewash to work and there is never a danger of scalding the eyes with hot water.</p> <p>VWR Model # 14221-386</p>		<p>Thermostatic Mixing Valve for safety showers and eyewashes provides a safe and plentiful supply of tempered water when used in conjunction with a potable hot water source. The 25 GPM capacity will support one emergency showers or multiple eyewash stations</p> <p>VWR Model # 14214-372</p>	

Complimentary Shower & Eyewash Survey

Facility: _____ Location: _____ Date: _____	Unit # _____	Unit # _____	Unit # _____	Unit # _____	Unit # _____
GENERAL	Yes No	Yes No	Yes No	Yes No	Yes No
Emergency Showers & Eyewashes shall be located within 10 seconds travel time of hazard.					
Equipment shall be tested weekly to verify proper operation.					
Flushing fluid shall be Tepid					
Unit identified with highly visible sign					
EYEWASHES & EYE/FACE WASHES	Yes No	Yes No	Yes No	Yes No	Yes No
Minimum Flow for 15 minutes (Eyewash - .4 GPM Eye/Face Wash 3.0 GPM)					
Nozzles protected from airborne contaminants					
Provide flushing fluid to both eyes simultaneously at a velocity low enough to be non-injurious. (Passes Test Gauge)					
Simple operation – “Off to on” in 1 second or less. Hands free operation once activated.					
Nozzle height 33” to 45” from standing surface					
Nozzles 6” from wall or nearest obstruction					
DRENCH SHOWERS	Yes No	Yes No	Yes No	Yes No	Yes No
Minimum flow for 15 minutes – 20 GPM					
Simple operation – “Off to on” in 1 second or less. Hands free operation once activated.					
Height from standing surface 82” – 96”					
Spray pattern – 20” diameter @ 60” above standing surface					
Recommendation					

Consult ANSI Z358.1-1998 for exact product application, testing and location requirements

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Call 1-800-932-5000 for a copy of the VWR Safety Catalog.

**Please contact your VWR Sales Representative
 Stacey Fellers or Elizabeth Gass at 3-1786
 or call our Safety Technical Hotline to discuss your applications
 or process and specific product recommendations.**

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