

**ANSI Z358.1
EMERGENCY EQUIPMENT
PERFORMANCE SPECIFICATIONS**

EYE & EYE FACE WASHES

Eyewashes - .4 GPM

Eye/Face Washes - 3 GPM

Nozzles protected from airborne contaminants

Provide flushing fluid to both eyes simultaneously
at a velocity low enough to be non-injurious.

Simple operation – “off” to “on” in 1 second or less

Height from standing surface 33" to 45"

Nozzles located 6" from nearest wall or obstruction

Minimum operating pressure – 30 psi

Hands free operation once activated

SHOWERS

Minimum flow of 20 GPM

Simple operation – “off” to “on” in 1 second or less

Height from standing surface 82" – 96"

Pattern: 20" diameter @ 60" above standing surface

Center of spray located 16" from any obstruction

Minimum supply pipe size – 1"

Hands free operation once activated

GENERAL

Flushing fluid shall be tepid (Check with medical
advisor for optimum temperature)

Equipment shall be tested weekly to verify proper
operation and inspected annually to assure
conformance with ANSI Z358.1 requirements.

All Emergency equipment needs to be connected
to a supply that will allow for a minimum of
15 minutes of operation

All Emergency equipment is required to be third
party certified for compliance to the ANSI Standard

Combination unit components shall be capable of
operating simultaneously

This information should only be used as a guide to identify the basic requirements for
Emergency Equipment as recommended by ANSI Z358.1. To ensure that you are in
compliance with OSHA 29 CFR 1910.151 Subpart k, sec. "c" and ANSI Z358.1 please
refer to the standard or consult an OSHA representative.

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Safety Showers and Eyewashes *Tips for Compliance*

presented by

SPEAKMAN®

OSHA 29 CFR 1910.151 (C)

*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.*

ANSI Z358.1

*This national consensus standard provides
details on emergency eyewash and shower
equipment. The basic requirement is to have
emergency showers and eyewashes within
10 seconds travel distance of a hazard.*



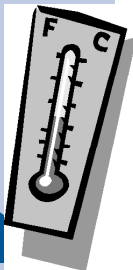
ANSI Z358.1 requires that companies provide Emergency Showers and/or Eyewashes within 10 seconds travel time of a hazard. Look for signs of hazardous materials and make sure eyewashes and showers are within the required distance.



OSHA Directive Number STD 1-8.2. "This directive provides guidelines regarding eyewash and body flushing facilities required for immediate emergency use in electric storage battery charging and maintenance areas." Make sure emergency equipment is properly located near these hazards.



ANSI Z358.1 requires that shower valves be of simple operation, turn off to on in one second or less, and provide hands free operation once activated. Self closing shower valves do not meet this standard and should be replaced with stay open valves.



60°-
95° F

ANSI Z358.1 requires that flushing fluids shall be tepid. Make sure that supplied water temps are in the range of 60°-95° F.

Personal Eyewash equipment, such as squeeze bottles, do not meet the requirements of plumbed or self-contained eyewash equipment. Make sure units meeting ANSI Z358.1 are within 10 seconds travel time from hazard.



The storage, transfer and use of flammable liquids require showers and/or eyewashes as secondary protection. Look for containers used to handle or store these materials and make sure ANSI Z358.1 compliant Emergency Equipment is within 10 seconds travel distance.



Look for areas where workers are using Personal Protective Equipment such as goggles and liquid proof gloves. These are found in areas where hazardous materials are being used and eyewashes and/or showers will be required as secondary protection.



Hand held drench hoses do not meet the criteria of a plumbed or self-contained eyewash. If these are the only means of protection, they should be replaced or supplemented with equipment meeting the requirements of ANSI Z358.1.

