

# ANSI Z358.1- 2014 SAFETY EQUIPMENT TESTING REQUIREMENTS • ANNUAL MINIMUM PERFORMANCE CHECKLIST

**2014 REVISIONS INDICATED IN ORANGE.** Requirements for Weekly Testing are Indicated with (w).

- All shower units shall be inspected **ANNUALLY** to assure conformance with ANSI Z358.1. Recommended Testing Flow Pressure is 30 psi (+ .5 psi – .0 psi).

## LOCATION

- Emergency equipment shall be activated **weekly**.
- Safety station shall be accessible within 10 seconds of hazard, approximately **55 ft./16.8 m**. (Sec. 4.5.2, 5.4.2, 6.4.2, 7.4.2) **(w)**
- Safety station shall be located on the same level as the hazard and the path of travel shall be free of obstructions. (Sec. 4.5.2, 5.4.2, 6.4.2, 7.4.2) **(w)**
- Emergency equipment location shall be well lit and identified with a highly visible sign. (Sec. 4.5.3, 5.4.3, 6.4.3, 7.4.3) **(w)**
- All employees subject to exposure to hazardous material should be instructed in the location and proper use of emergency equipment. (Sec. 4.6.4, 5.5.4, 6.5.4, 7.5.4)

## COMBINATION UNIT

- Combination unit components shall be capable of operating simultaneously and shall be positioned so that components may be used simultaneously by the same user. (Sec. 7.3, 7.4.4) **(w)**

## DRENCH HOSE

- Drench hose must deliver a controlled flow of flushing fluid at a velocity low enough to be non-injurious. (Sec. 8.2.1)
- A drench hose can only be considered an eyewash – eye/face wash if it meets performance requirements in Sec. 5 and/or 6.

## TEMPERATURE

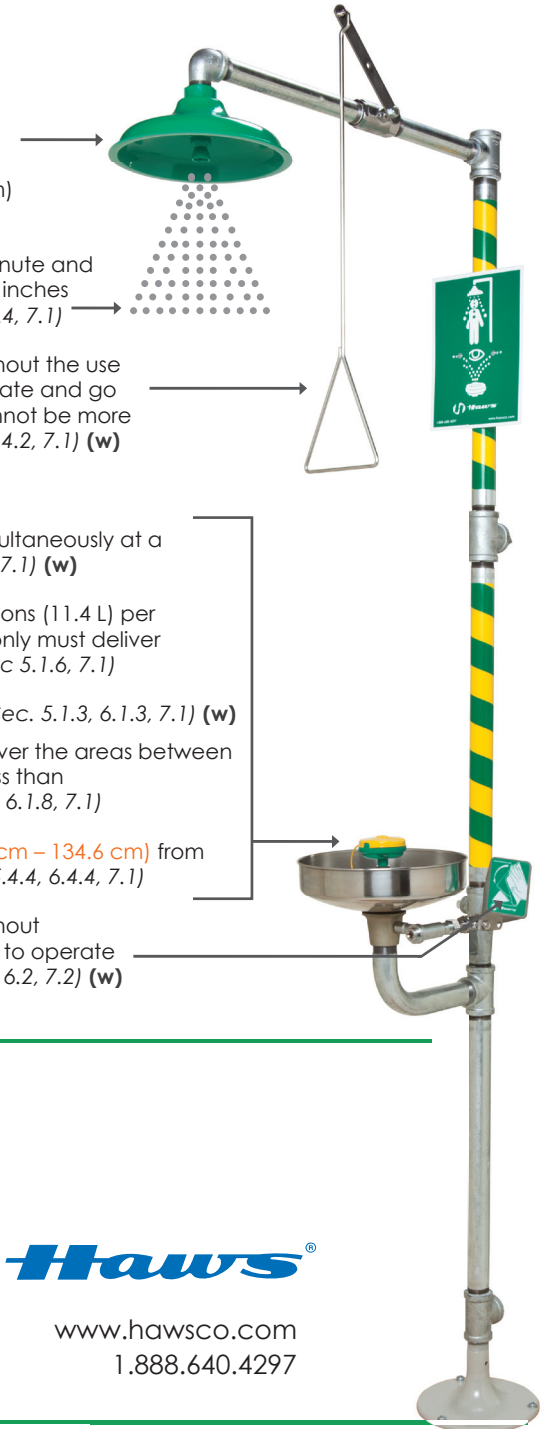
- Deliver tepid flushing fluid.\* (Sec. 4.5.6, 5.4.6, 6.4.6, 7.4.5)  
\*Suggested temperature range – above 60° F (16° C) and below 100° F (38° C).

## SHOWER

- Showerhead must be 82 to 96 inches (208.3 cm - 243.8 cm) above surface floor of user. (Sec. 4.1.3, 7.1)
- Shower must deliver minimum of 20 gallons (75.7 L) per minute and provide a column of water 20 inches (50.8 cm) wide at 60 inches (152.4 cm) above the surface floor of user. (Sec. 4.1.2, 4.1.4, 7.1)
- Shall be designed so that the flushing flow remains on without the use of the operator's hands. The valve shall be simple to operate and go from "off" to "on" in one second or less and actuator cannot be more than 69 inches (173.3 cm) from surface floor of user. (Sec. 4.2, 7.1) **(w)**

## EYEWASH / EYE/FACE WASH

- Must provide a means of controlled flow to both eyes simultaneously at a velocity low enough to be non-injurious. (Sec. 5.1.1, 6.1.1, 7.1) **(w)**
- Eye/face wash equipment must deliver minimum of 3 gallons (11.4 L) per minute of water for 15 minutes. (Sec. 6.1.6, 7.1) Eyewash only must deliver minimum of .4 gallon (1.5 L) per minute for 15 minutes. (Sec 5.1.6, 7.1)
- Outlets shall be protected from airborne contaminants. (Sec. 5.1.3, 6.1.3, 7.1) **(w)**
- The flushing fluid of an eyewash – eye/face wash shall cover the areas between the interior and exterior lines of a gauge at some point less than 8 inches (20.3 cm) above the eyewash nozzle. (Sec. 5.1.8, 6.1.8, 7.1)
- Flushing fluid flow pattern should be **33 to 53 inches (83.8 cm – 134.6 cm)** from floor and minimum of 6 inches (15.3 cm) from wall. (Sec. 5.4.4, 6.4.4, 7.1)
- Shall be designed so that the flushing flow remains on without the use of the operator's hands. The valve shall be simple to operate and go from "off" to "on" in one second or less. (Sec. 5.2, 6.2, 7.2) **(w)**



DATE \_\_\_\_\_ PREPARED BY \_\_\_\_\_

COMPANY \_\_\_\_\_

LOCATION \_\_\_\_\_ MODEL \_\_\_\_\_

COMMENTS \_\_\_\_\_

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# Emergency Equipment Field Survey Worksheet :: Emergency Showers, Eyewashes, Combination Units



PREPARED BY \_\_\_\_\_

COMPANY \_\_\_\_\_

DATE \_\_\_\_\_

- Shower within 10 seconds of hazard (55' / 16.8 m)
- Designated by highly visible signage
- Station on the same level as hazard
- Flow of water starts in 1 second; obstruction
- Valves remain open (hands free operation)
- Eye/face wash outlets protected from contaminants
- Minimum flow (.4 gpm eyewash – 3.0 gpm eye/face wash)
- Eye/face wash provides controlled flow to both eyes
- Flushing fluid to both eyes simultaneously at min. 4" in length
- Proper height for showerhead (82" to 96" above floor)
- Barrier within 16" radius of the center point of shower
- Combo shower – eye/face wash simultaneous use – flow requirements
- Flushing fluid must be tepid (60° F - 100° F)

| LOCATION/<br>MODEL | COMMENTS |
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