

# ANSI/ISEA Z358.1-2014 SAFETY EQUIPMENT CHECKLIST

## WEEKLY MINIMUM PERFORMANCE REQUIREMENTS

- 1 Emergency equipment shall be activated weekly.
- 2 Activation shall ensure flow of water to the head(s) of the device.
- 3 Duration of the activation shall be sufficient to ensure all stagnant water is flushed from the unit itself and all sections of piping that do not form part of a constant circulation system. (also known as "dead leg" portions)
- 4 Self-Contained/Portable Equipment shall be visually checked to determine if flushing fluid needs to be changed.

## ANNUAL MINIMUM PERFORMANCE REQUIREMENTS

- 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

- 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)
- 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)
- 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)
- 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)
- Where the possibility of freezing conditions exists, the unit shall be protected from freezing or freeze-protected equipment shall be installed. (Sec. 4.5.5, 5.4.5, 6.4.5, 7.4.4)

### 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)

### 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. (See Eyewash / Eye/Face Wash section)

### TEMPERATURE

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

### SHOWER

- Showerhead must be 82 to 96 inches (208.3 cm - 243.8 cm) above the surface floor of user. (Sec. 4.1.3, 7.1)
- Shower must deliver minimum of 20 gallons (75.7L) for 15 minutes and provide a column of water 20 inches (50.8 cm) wide at 60 inches (152.4 cm) above the surface floor of user and be 16" from any obstruction. (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 can not be more than 69 inches (173.3 cm) from the surface floor of user. (Sec. 4.2, 7.2)

### 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)
- 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 of water 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)
- 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 the surface floor of user and minimum of 6 inches (15.3 cm) from any obstruction. (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)

