

ANSI Z358.1 Master Class – October 2025: Questions & Answers

1) Hello! Will this be recorded?

- a. Yes! The recording will be shared after the Master Class.

2) How do you suggest testing eye wash only when they do not have drains nearby? I run into this a lot. Or, if the water is spraying on floor, is that a good indicator that they are not compliant??

- a. We've run across a variety of solutions, but since the drain outlet is often so low, a common theme is a receptacle with short walls – a small bucket, a storage tote, a planter box, an oil drain pan, etc. Water spraying onto the floor is not a direct indicator that the unit is non-compliant; the spray pattern could be higher than typical, for instance, and still meet the eyewash gauge. On the other hand, the flow in such a case could be considered injurious. A complete test is still needed.

3) Why would you take off all clothes including socks and shoes but not your PPE? For example, steel toed boots are required PPE?

- a. It is encouraged to leave all PPE equipment on until you are under an active piece of emergency equipment. Once you are under an activated unit, you will begin removing PPE.

4) Can a building be grandfathered in as far as OSHA standards go if it's an old historical building. as far as updating old stations from just cold to tempered. or no matter what do we have to update to have tempered?

- a. OSHA generally doesn't allow standards to be grandfathered in for old buildings.

5) We have a water softener system. Do I need to let the water run longer??

- a. To help manage sediment and microbial contamination, it's best practice to run any eyewash during testing long enough to replace the stagnant water in the line that wouldn't otherwise be regularly flushed by other fixtures in the plumbing.

6) What is considered injurious corrosive materials? Have you come across any grey areas?

- a. All chemicals requiring a piece of emergency equipment will have a Safety Data Sheet; checking the first aid section should indicate what equipment is needed (e.g., if it requires washing of the skin for 15 minutes, then a shower is needed).

7) Is ANSI Z358.1 incorporated by reference by OSHA and does OSHA enforce all aspects of the standard?

- a. OSHA references the ANSI/ISEA Z358.1 standard as an industry-recognized source of guidance (under, for instance, the General Duty Clause of the OSH Act). Yes, OSHA enforces the entire ANSI/ISEA Z358.1 standard.

8) My question is for multiple Showers (in a high school, for example). Sizing the system for all (6) showers (in separate science rooms) for example, increases the design vs sizing for only (1) being activated at a time. Understanding, maybe a 2nd student needs to run into the adjacent science room if lab partners are both affected; but are there any diversity considerations acceptable for multiple shower systems?

- a. ANSI/ISEA Z358.1 doesn't address diversity factors but simply requires that a hazard have the appropriate safety shower and/or eyewash within 10 seconds, and that the unit perform at the given flow parameters and timeframes. There may be diversity factor requirements levied by local codes, by authorities having jurisdiction, etc., and conversely, the prospect of needing multiple simultaneous showers might be addressed somewhat via policy setting and wise scheduling. However, ANSI/ISEA Z358.1's requirement just requires a ready shower/eyewash for any hazard.

9) Will I be able to get a copy of these slides or access to a recording?

- a. The slides won't be available, but the recording will be shared with you so you can utilize it to revisit the information shared during the live event.

10) Do signs need to be green/white?

- a. ANSI/ISEA Z358.1 does not require a particular color scheme for signage. Green is likely common because ANSI Z535.1 denotes it as the color identifying safety equipment and the like.

11) What is your perspective on portable "keg" style eyewash/drench hose units?

- a. Keg-style eyewashes, like the Haws Model 7603, are useful pieces of equipment, with attractive portability for hazards that move around. They're a great resource, as long as they're ANSI/ISEA Z358.1 compliant, and as long as the keg is designed to safely withstand the operating pressures required (which are often higher than typically seen in, say, a beer keg application).

12) What's an example of a compliant eyewash that has more than one motion to activate it?

- a. The Haws Model 7620 is certified to ANSI/ISEA Z358.1 and could require two motions to activate (i.e., turning on the faucet and activating the eyewash), unless its faucet is already activated.

13) School Science Laboratories need to be ADA accessible. So the device needs to be at the correct height and have leg clearance but the person in a wheelchair needs to be able to lean over to access the spray.

- a. Correct! We have a variety of ADA options for showers and eyewashes to accommodate wheelchair users. If different heights or geometry are required, we may be able to recommend a custom product.

14) Should a pass through door be considered an obstruction?

- a. A single door is allowed to be positioned between the user and the emergency equipment, but only if 1.) the door opens in the right direction, 2.) the door is not lockable, and 3.) the hazard is not corrosive.

15) Thoughts on eyewash/showers located at wastewater sites where employees could be exposed to sewage (biological exposure hazard)?

- a. Eyewashes and showers can be useful at wastewater sites for certain hazards, but there are limitations, especially around biological exposure hazards. For instance, it could be difficult to apply soap effectively while using an emergency shower with its customary high flow rate. Also, you'd want to make sure that the eyewash or shower itself is protected from splash hazards (perhaps a shower booth or shower shelter would be in order?).

16) Can the Portable Gravity Fed Eyewash Cleansing Stick be retrofitted to other portable eyewash units?

- a. Yes! As long as it can sit submerged in the tank of the portable eyewash and doesn't impede the flow of water out of the tank.

17) Is there a master list of repair parts?

- a. We have replacement parts listings, as well as parts breakdown diagrams, available for most products, and you can also contact our Technical Support team for specific inquiries.

18) Weekly inspection, is a fixed or set amount of days. Personally, I say seven days but others say once a week. Trying to find something that says this specifically.?

- a. ANSI/ISEA Z358.1 uniformly uses the term “weekly.” However, Appendix B7 helps clarify the intent of this time period, and thus the nature of the time period itself. It illustrates that a purpose of the weekly activation is to minimize the time that stagnant water sits in the lines. The idea of “once a week” would allow activations to be anywhere between 1 day and 13 days apart, which is far less effective at minimizing stagnation than a regular activation rhythm of 7 days. For this reason, the “7 days” interpretation is stronger.

19) Is supplemental eyewash acceptable to bridge to a hard plumbed eye wash that is within 55 feet/ 10 seconds but is on a separate level raised floor section of a lab 8 inches above?

- a. Per Section 8 of ANSI/ISEA Z358.1, supplemental equipment like personal eyewash units are permissible, but specifically “shall not replace” compliant eyewashes. Because they can’t replace compliant eyewashes, the requirements around those eyewashes -including the allowance of a single step – remain in force.

20) Do gravity fed units meet the eyewash standard for General Industry?

- a. It depends upon the unit in question, but it’s certainly possible for gravity-fed units to comply with ANSI/ISEA Z358.1 (for instance, the Haws Model 7501).

21) A emergency fixtures required for lithium-ion battery?

- a. We’d recommend checking the SDS’s for the specific batteries, elements, and compounds present; these will indicate what equipment is needed.

Thank you everyone for the excellent questions! If you need anything else, please let me know.

For additional questions/comments, please reach out to justind@hawsco.com