

## ANSI/ISEA Z358.1 Webinar – January 2024: Questions & Answers

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1. **Is there a maximum time an emergency eye/face/combination unit can be taken out of service for inspection, maintenance, or servicing? The goal is just to ensure that down time is as short as possible, and if it is perhaps going to be an extended period of time then supplement it with a portable to ensure there is still an emergency first aid response in the area during this time. Nothing indicating in black and white what that time should be though.**
2. **Is a simple locker room shower compliant? It is not, a locker room shower and most typical shower heads lack the supply line size and capability to reach the minimum GPM of 20GPM, and the flow pattern is usually much less effective than an emergency shower.**
3. **If the SDS of a cleaning chemical states that the chemical causes irreversible eye damage but the SDS does not specify that eyewash station should be provided. What do you do? An SDS sheet without first aid requirements to rinse the eyes after exposure to something that could cause irreversible eye damage would be highly unusual, I would suggest cross referencing your current documents with the SDS sheets from other manufacturers of this chemical to determine if this is the norm. I have not encountered such a situation and would be curious what the chemical is if you don't mind sharing?**
4. **Will there be a PDF of this information to print off for a binder? A PDF of the presentation will be shared and you are welcome to print it and use it as a reference.**
5. **Have particular filters been considered on eye wash stations for high mineral water? Filters are not uncommon on eyewashes and showers that may have debris, minerals, or other supply line contaminants that need to be filtered out. We have options for high micron filters for emergency equipment here at Haws as well.**
6. **What is the minimum pressure required for an eye wash, combo, and shower? For Haws equipment we require 30 – 90 PSI but this is different for other manufacturers.**
7. **Do portable eye wash stations need to meet temp requirements? They do.**
8. **How can a big plant know how many are actually required in the facility? Have a hazard evaluation done in your facility to determine what the hazards are and how many pieces of equipment you should have.**
9. **If a foot treadle was provided linked up to paddle for eyewash, does it have to be maintained? Yes, if the foot treadle were to break and employees understood that this was the way the equipment was activated, then it may take valuable additional time for them to activate the equipment using a different method.**
10. **Do you provide service in Mexico? We do not currently provide services in Mexico, however you can find out equipment installed everywhere across the globe.**

11. **IS there any guidance on when to use a combination eyewash/shower vs. eyewash only?** Yes the SDS or Safety Data Sheet for any hazardous substance will tell you what you need under section 4 "First aid measures", washing the face/eyes and skin and a time limit will be listed.
12. **Are you located across the USA? Costs to do annual testing? Do you handle corporate contracts to annual inspections?** Yes, our products are available around the world. However, our services element is only currently available in the US. We are happy to handle annual testing, this amount can change depending on number of units, type of units, and number of compliance issues. They charge by the day and a quote can be requested from our team at [hawsservices@hawesco.com](mailto:hawsservices@hawesco.com).
13. **Will Haws be bringing back the overhead tank showers?** For the time being overhead tank showers will not be a part of our offerings.
14. **When do you need to go from an eyewash to a combo eyewash and shower?** When the SDS sheet requires rinsing of the skin in section 4 under first aid measures. Anytime the material being handled or utilized in an area is corrosive, an irritant, or is otherwise damaging to the skin a combination unit should be used.
15. **Do you have a company in Canada?** Haws Corporation is a global company and our equipment can be purchased in most countries.
16. **As per ANSI it says reachable in 10 sec., having said that big facilities should have 100 of emergency shower. Large facilities often do, if there is a hazard and the potential for an employee to be exposed to that hazardous substance then there should be an emergency eye/face wash or combination unit with a shower as close as possible.**
17. **Is there such a thing as a mobile safety shower?** Yes, but they are often not Z358.1 compliant as they cannot provide the minimum of 15-minutes of water. This type of equipment is available in the market but is often very large and very expensive.
18. **What can we use to safely clean the equipment?** Many things, most cleaners will not damage the equipment in any way, the most important thing is to ensure you run the heads of the eyewash or eye/face wash to purge any cleaner that may have gotten trapped during the cleaning. This ensures if someone does use it they don't get an eye-full of it. I often suggest bleach or CLR.
19. **IS there a requirement to provide covering for the shower area since we know people may have to undress?** There is no requirement, however every manufacturer offers some version of this as it is somewhat popular to provide. Given this emergency could be one of the worst days of your life I frequently suggest adding the curtains to maintain privacy and decency during the emergency.
20. **Are contacts allowed when working with chemicals?** I'm not aware of any federal or state requirements preventing their use. However there may be company policies in place.
21. **I work in a Mental Health facility and because of that we have multiple eyewash stations that are behind secured doors due to the patients that we house on our unit. How do I stay compliant in**

that situation? I think inspectors know that you have to have special considerations due to anti-ligature and harm requirements in your facilities which is what I think your concern is. Having to separate this equipment from your patients shouldn't be an issue with inspectors if I had to guess. But every inspector is different. Just ensure the equipment is operating within Z358.1 requirements and in areas where access isn't a concern ensure that it is not obstructed.

22. Are all recessed facewash wall units considered ADH and barrier free (with or without drain pan) or is there a height specification on installation to make it ADH? There are many requirements in place with the ADA that you'll want to consider, most manufacturers like Haws include installation drawings to ensure that this type of equipment is installed properly within those requirements. Look at 2010 ADA standards, part 6, title 3 for more information.
23. Are these temperatures the same for just the eyewash? Yes they are.
24. Are we to test using the same amount of time as if we were to have the flushing for 15 minutes? On a weekly basis only a brief activation is necessary, simply leave it on long enough to clear the dead leg out. For an annual inspection a full 15-minute test is required.
25. Do you sell modesty curtains? Absolutely, one of our most popular models is a retrofittable curtain. [Model #9037](#)
26. When did the standard change that requires the eyewash and shower to be in the same location for combination use? Our new lab was designed with most of our eyewashes and showers in separate locations. I was curious if they were referencing an old version of the standard? Labs, hospitals, and similar locations have always had some unusual things done in the design phase with emergency equipment. In 2009 we got simultaneous operation requirements. The designers often place them separately in these facilities, but we are hoping with our work on this webinar and in-field education for those designers this will eventually be corrected.
27. Can we get a copy of the presentation? A PDF of the presentation will be shared.
28. Did I hear correctly that flow patten is not required? It's on a slide that reads "Significant Requirements". This miss-match leaves me confused. I think you referencing the shower flow pattern, while there is a requirement enforcing the flow to maintain a flow that is 20" wide at 60" above the surface floor there is nothing enforcing an even distribution of the water across the user. Which is taken very seriously here at Haws, most competitor models often showers with gaps in the water distribution that does not fully cover the user. Haws sits on the board for the standard and this is something we are working to change.
29. Just FYI, those yellow facewash caps you guys' use fall off al the time, especially on outdoor units. Wind can be a big factor outdoors, and while a plastic dust cap that can easily flip off after activation is usually in place for all manufacturers there are options for accessories that can fully relieve this issue. [Such as model #9102.](#)
30. The OSHA regulation states a shower is required if an employee has a corrosive liquid or chemicals are splashed on the employee. If not, the shower part is not required, correct? OSHA will ultimately reference the Safety Data Sheets to determine what the proper response is. OSHA's standard is horribly vague, and it is something we've worked to change for a long time. If the substance is an irritant, corrosive or the concern could be of a biological nature then full body

decontamination is necessary. Not just corrosives. Reference the SDS under section 4 for answers.

31. In the shower picture, I do not see a drain on the floor. A water drain is required, correct?  
Correct, a drain is not required in the standard or by OSHA but local plumbing code should be considered and we always suggest having one in place. Draining the water away quickly can ensure the victim isn't standing in a pool of the contaminant and prevents damage to drywall, sensitive equipment nearby or processes.
32. How do you test the flow pattern if we don't have drains? Is the flow pattern required for the weekly or yearly test? Flow pattern is only required for the annual test, if there is no drain in place I would recommend testing similar equipment you may have in an area where you can test the flow pattern and on the units where you can't just use the test kit to conduct a test and so long as the 2 gallon water mark is met on the bucket and the shower head is undamaged then it should be operating in the same fashion as the other one.
33. If you have a sock on how do you evaluate the shower cone? I would recommend testing similar equipment you may have in an area where you can test the flow pattern and on the units where you can't just use the test kit to conduct a test and so long as the 2 gallon water mark is met on the bucket and the shower head is undamaged then it should be operating in the same fashion as the other one. Or get a mop and let it rip without the shower sock.
34. Since it says the distance is "approximately 55ft", can it be further? Say 60 feet without actually being out of compliance? No, 55ft is the maximum distance. The word "approximately" refers to the 10 seconds rule. Nothing extends the 55ft distance and it is always the measurement I suggest people use.
35. Please talk about when an eyewash only is acceptable vs. eye/face wash. An eyewash only is for particulates, hazards such as dust or wood dust that would only affect the eyes and not the skin. Many chemical cleaners would require an eye/face wash as they would affect the soft-tissues on your face as well, irritating the skin and doing damage.
36. How is the "EyePod" compliant when the water is not tempered until the operator takes time to adjust the cold and hot water, taking far more than a second with both hands? The operation manual requires a hot & cold water valve push, with both running the water coming out should fall well within the required range. The unit internally is CSA certified to the standard to ensure correct and compliant operation.
37. Are sink eyewash attachments Z358.1 compliant? Yes, so long as they can be activated in under one second.
38. Are doors considered to be obstructions? They are if they do not meet the requirements for a door to be present. 1. It must be non-locking, 2. It must open in the direction of the equipment, 3. It must be push bar activated, 4. The hazard must be non-corrosive.
39. I am researching the green plastic eyewash mounted tank to plumbed eyewash station no shower. I would like to know all the requirements for a plumbed eyewash station. We will be sending out a checklist that will have the requirements as well as a PDF copy of the presentation

that you can reference. Also, please visit [www.hawesco.com](http://www.hawesco.com) as it will have many of the answer you are looking for.

40. Are there any tools or online tools to be able to measure if an eyewash is 55ft away? I would suggest using either a manual tape measure or a laser distance measuring device to determine the distance.
41. Are there any chemicals that react with water and could make an injury worse? Many chemicals react negatively with water but here is a short list of examples... Lithium, Sulfur Trioxide, Chlorosulfonyl Isocyanate, Phosphorous Pentaoxide, Magnesium Chloride, and Sodium.
42. How often should the plastic mounted green color eyewash be cleaned? Depends on the environment it gets installed in, but generally speaking every 3 – 6 months.
43. Can we get an eyewash gauge? [Model # 9015](#) is available or it comes in the [model # 9011](#) kits.
44. Self-contained units are not required weekly testing? It is still required, but only a visual inspection of the water level and condition is required.
45. I have seen booster pumps at emergency showers even though the water pressure is at least 40PSI. Is a booster pump required? Booster pumps are not required but are often used to supplement systems that may be underperforming.
46. What are the ADA requirements for eyewash stations? This would be a really long reply! But I would refer you to the following sections of the 2010 ADA Standards... 602.2, 602.4, 602.5, and section 309. Basically meet knee and toe clearance, counter height, nozzle height, clear floor space and so on.
47. Do you have a checklist of areas that require emergency equipment? We do not but most facilities require them, even commercial kitchens, your dentist to giant oil and gas facilities. You'll want to consider having a hazard assessment done to determine where your hazards are and where you need equipment in place.
48. You should add "Inspector" to that first question. I'm not sure which question this is referring to but I'll do my best to figure it out and use your suggestion.
49. Any clue when they may revise ANSI? 2020 was the last revision but it was more of a re-release, we still have a hard time with getting people caught up with the last two revision's changes. Perhaps in another couple of years.
50. How often is cleaning for the mounted eyewash station per OSHA required? The plumbed eye washing check is once a week, correct? Both plumbed or portable units need a weekly check, and we suggest cleaning quarterly but if you have a very clean facility then bi-annually should be fine.
51. Is there an actual code book for eye washes and showers? No, just be sure to reference 29 CFP 1910.151 c and ISEA/ANSI Z358.1 – 2014 (R2020), our checklist that you'll receive is also very handy.

For more information on tempered water solutions, visit <https://www.hawesco.com/solutions-services/tempered-water-solutions/>

For more information on Haws Services, visit <https://www.hawesco.com/solutions-services/services/>

For more information or to schedule a free site survey, visit <https://www.hawesco.com/resources/ansi-emergency-shower-eye-face-wash-survey-program/>

For additional questions/comments, please reach out to [justind@hawesco.com](mailto:justind@hawesco.com)