

ANSI/ISEA Z358.1- Standard – for Emergency Eyewash and Shower Equipment

The Occupational Safety and Health Administration (OSHA) has adopted several regulations that apply to the use of emergency eyewash and shower equipment. The primary regulation is contained in 29 CFR 1910.151, which requires that... “...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.”

The OSHA regulation does not define what constitutes “suitable facilities” for drenching the eyes or body. In order to provide additional guidance to employers, the American National Standards Institute (ANSI) has established a standard covering emergency eyewash and shower equipment. This standard—ANSI Z358.1—is intended to serve as a guideline for the proper design, certification, performance, installation, use and maintenance of emergency equipment. It has been adopted by many governmental health and safety organizations within and outside the US, as well as the Uniform Plumbing Code (UPC) and International Plumbing Code (IPC)

The standard covers five main product categories:

1. Emergency showers
2. Eyewashes
3. Eye/face washes
4. Combination units
5. Supplemental Equipment (personal wash units, drench hoses)

How UL Solutions can help

We provide comprehensive testing and certification services to assess whether your emergency eyewash and shower equipment meets the performance and construction requirements of ANSI/ISEA Z358.1 standard. Our experts are here to guide you through the process, helping you ensure that your products deliver the safety and reliability your customers expect.



Consolidating your certification needs

Why look to UL Solutions?

When you rely on UL Solutions, you gain a single source for your crucial certifications. Our experts regularly work with standards established by:

- NSF International
- The American Society of Mechanical Engineers (ASME)
- The International Association of Plumbing and Mechanical Officials (IAPMO)
- The ASSE International Chapter of IAPMO (ASSE)
- The American Water Works Association (AWWA)
- The CSA Group



Certifying to NSF standards

We test and certify water system components and plumbing products to NSF/ANSI/CAN 61 and 372 and water treatment chemicals to NSF/ANSI/CAN 60. We can also provide testing and certification to a variety of other NSF standards such as NSF 42, 44, 53 and 58.



Global market access

We can test and certify your products to standards around the world, helping you access the markets you need to reach your customers.



Highly responsive customer support

Our international presence and flexible turnaround times ensure that you can access necessary services quickly and go to market faster.



Expertise in connected devices

As new technologies emerge, we can assess electrical safety, interoperability, cybersecurity, sustainability and more.



Compliance testing for changing regulations

Your existing certifications may not remain compliant as standards become more stringent. We test to evolving regulations, such as low lead changes, to demonstrate your compliance with new requirements.



Testing for per- and polyfluoroalkyl substances (PFAS) and perfluorooctane sulfonic acid (PFOS)

We take public health seriously, so when formulations deem it necessary, we carefully test for “forever chemicals” and other toxins that can affect the safety of drinking water.



To dive deeper into our water systems and plumbing services, visit [UL.com/plumbing-products](https://www.ul.com/plumbing-products)