

Facilities Standards & Guidelines

C.36 Eye Wash Standard

Revision 1

Issue Date: 08/29/2022, Revised 03/07/2024

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Section 1 – Summary

- 1.1 The objective for providing Eye Wash Guidelines is to achieve a coherence, continuity, and compatibility for all buildings managed and operated by BAE Systems. The design standards set forth here are intended to assist designers and contractors in providing a design which is conducive to supporting BAE Systems’s operational, maintenance, and life cycle needs.
- 1.2 All emergency eyewashes and eyewash shower stations shall be implemented “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” per the Occupational Safety and Health Administration (OSHA) requirements.
- 1.3 BAE Systems utilizes Guardian as the basis of design for standalone emergency eye wash stations and combination emergency eyewash-shower stations.

Section 2 – Specific Design Requirements

1.1 General

- 1.1.1 The eyewash or eyewash-shower must be accessible within 10 seconds of hazard, within 55 feet of the hazard, and on the same level.
- 1.1.2 There shall be no obstructions to the access of the emergency equipment.
- 1.1.3 Per BAE Systems standards, the following activities will require emergency eyewash equipment:
 - 2.2.1.1 Metal Finishing Operations
 - 2.2.1.2 Adhesive Mixing
 - 2.2.1.3 Paint Mixing

1.2 Specifications

- 1.2.1 Standalone Emergency Eyewash Stations
 - 2.2.1.1 Manufacturer and Model: **Guardian G1760 Eye/Face Wash, Pedestal Mounted, Stainless Steel Bowl (Eyewash Station)** with the following:
 - 1.2.1.1.1 Stainless steel dust covers for each spray head
 - 1.2.1.1.2 Stay open eyewash ball valve.
 - 1.2.1.1.3 Guardian G3600 thermostatic mixing valve or ECO-MIX Emergency Mixing Valve TA-300-LF shall be ordered in accordance with the application.

1.2.2 Combination Emergency Eyewash-Shower Stations

2.2.1.1 Manufacturer and Model: **Guardian 1902 Safety Station with Eyewash, Stainless Steel Bowl** with the following:

- 1.2.2.1 Stainless steel shower head
- 1.2.2.2 Spray heads with dust covers
- 1.2.2.3 FC20 regulator for flow control to 20 GPM
- 1.2.2.4 Stay open shower ball valve
- 1.2.2.5 Stay open eyewash ball valve
- 1.2.2.6 Guardian G3800LF Thermostatic Mixing Valve or ECO-MIX Emergency Mixing Valve TA-800-LF shall be ordered in accordance with the application.

1.3 Plumbing

- 1.3.1 Each eyewash station and/or shower shall be connected to ½” domestic cold water and ½” domestic hot water to provide tepid water with the ANSI Z358.1 compliant tempering valve.
- 1.3.2 The eyewash station shall be able to deliver at least 0.4 gallons of water per minute for 15 minutes.
- 1.3.3 The emergency eye wash equipment shall drain to a 5-gallon bucket for monthly inspection by Environmental, Health, and Safety (EH&S).

1.4 Signage

- 1.4.1 The emergency eyewash equipment shall be highly visible in a well-lit area with the ANSI-compliant identification sign.

Supplemental Document Information

The following resource documents should be referenced for execution of the standards and guidelines described above.

Document Number	Document Title
Z358.1	American National Standards Institute (ANSI)
	BAE Systems EHS Specification (Emergency Eyewash-Shower Station)

Revision Log

Revision	Release Date	Description of Changes
0	08/29/2022	Initial Release
1	03/07/2024	Branding update to BAE Systems