

SPECIFICATION:

The ANSI Z358.1 compliant combination shower and eyewash station (ESEW) shall deliver 30 gpm (113.56 L/min) @ 30/70 psi (206.84/482.63 kPa) of flowing pressure from the self-adjusting regulated showerhead and 2.40 gpm (9.08 L/min) @ 30/70 psi (206.84/482.63 kPa) of flowing pressure from the self-adjusting regulated eyewash. Upon installation, the unit shall provide a non-injurious stream of water for 15 minutes or longer. The type 304 Stainless Steel showerhead delivers a minimum of 20" (50.80 cm) diameter pattern to the target area 60" (152.40 cm) above standing level. Eyewash heads with integral hinged covers manufactured of solvent resistant yellow acetal mounted on a chrome plated brass wye are positioned over a type 304 Stainless Steel bowl and above the drain opening. Combination unit shall be supplied with SST single motion activation stay open 1" shower and 1/2" eyewash ball valves with SST balls. Unit shall include SST actuators and schedule 40 hot dip galvanized piping with flanged floor mounting plate for free-standing installation. Determination of the 1" supply connection location at top, mid-point or bottom near the eyewash is by the installer.

Combination units that provide improper flow pattern or contain deteriorating screens/filters are not acceptable.

MATERIALS OF CONSTRUCTION:

- PIPING:** Schedule 40 hot dip galvanized steel.
- VALVES:** SST stay open ball valves with SST balls, stems and push plate with actuation graphic (eyewash) and SST pull rod assembly.
- VALVE SIZE:** Shower 1", Eyewash 1/2".
- SHOWER HEAD:** Type 304 Stainless Steel
- EYEWASH HEAD:** Yellow acetal plastic dual stream heads with hinged covers on a brass chrome plated wye assembly.
- BOWL:** Type 304 Stainless Steel
- REGULATOR:** Shower: Self-adjusting 30 gpm (113.56 L/min) shower. Eyewash: Two (2) 1.20 gpm (4.54 L/min) eyewash regulators.
- SUPPLY:** 1" NPT
- WASTE:** 1" NPT

