

ANSI Z358.1 2014 REQUIREMENTS FOR EMERGENCY TANK SHOWERS



- Ensure continuous water supply delivering 76 litres per minute for 15 minutes. (Section 4.1.2, 4.5.5)
- Deliver tepid water (16°C - 38°C) to prevent thermal shock and ensure casualties can use the shower for the full duration. (Section 4.1.2, 4.5.5)
- Installed so the shower head is between 208-244cm from the floor (Section 4.1.3, 4.5.4)
- Safety showers must be located within 10 seconds/15 metres of a potential hazard. (Section 4.5.2)
- Safety showers must be located on the same level as the hazard and path should be free of obstructions. Any doors that have to be negotiated must not have a lock and must open in the direction of travel towards the shower. (Section 4.5.2)
- The unit should be well lit and identified with a highly visible sign. (Section 4.6.2)
- All units to be activated weekly to flush the line and verify proper operation and ensure flushing fluid is available. (Section 4.6.5)
- All units must be inspected annually to assure conformance to above standard. (Section 4.6.5)
- Stay-open valve (hands free) activates in one second or less. (Section 4.1.5, 4.2)
- Eye wash heads positioned between 84-135cm from the floor. (Section 5.4.4, 6.4.4)
- Combination unit components shall be positioned so that the components may be used simultaneously by the same user (Section 7.4.4)
- All employees who may be subject to exposure to hazardous materials must be trained in the use and also the locations of the unit. (Section 4.6.4)