

PRODUCT DESCRIPTION

Emergency Shower Stations designed for overhead vertical or horizontal pipe mounting in areas where people may come into contact with hazardous materials.



GENERAL INFORMATION

Following are requirements of ANSI Z358.1 for Emergency Eyewash and Shower Equipment. A complete copy of this standard may be purchased from the International Safety Equipment Association.

- 1) Unit shall be installed in accordance with the manufacturer's instructions and acceptable plumbing practices.
- 2) The height of the shower head shall be not less than 208.3 cm (82 inches) nor more than 243.8 cm (96 inches) from the surface on which the user stands.
- 3) The unit shall be connected to a system capable of supplying adequate flushing fluid to meet the flow requirements of each component operating simultaneously. The supply line shall provide an uninterrupted supply of potable water at recommended minimum 0.207 megapascal (30 pounds per square inch) of flow pressure.
- 4) Where the possibility of freezing conditions exists, equipment shall be protected from freezing or freeze-protected equipment shall be installed.
- 5) When a shower is installed, it shall be tested in accordance with the following procedures:
 - a) With the unit correctly connected to the water source and the valve(s) closed, visually check the piping connection for leaks.
 - b) Open the valve to the full open position. The valve shall remain open without requiring further use of the operator's hands.
 - c) With the valve in the "full on" position, measure the diameter of the spray pattern. It shall be a minimum of 50.8 cm (20 inches) at 152.4 cm (60 inches) above the standing surface. The center of the spray shall be at least 40.6 cm (16 inches) from any obstructions.
- 6) Shower units shall be in accessible locations that require no more than 10 seconds travel time from the farthest hazard.
- 7) Each unit location shall be identified with a highly visible sign. The area around the unit shall be well lit.
- 8) Plumbed units shall be inspected annually for proper operation to ensure compliance to ANSI Z358.1 standard.

OPERATION & MAINTENANCE

- 1) Plumbed units shall be activated weekly to flush lines and verify proper flow pattern and volume.
- 2) Test records should be maintained verifying compliance with testing procedures.
- 3) Some chemical vapors or liquids may damage or soften plastic materials. Precaution should be taken to determine compatibility prior to installation.

TRAINING

All employees who might be exposed to hazardous material shall be instructed in the location and proper use of emergency shower and eye/facewash units. Experiences have shown that initial first-aid treatment for irritants should be to wash the eyes and face for 15 minutes prior to medical treatment. It is important to hold the eyelids open and roll the eyes so water will flow on all surfaces and in the folds surrounding the eyes.

SPARE PARTS LIST

P/N 01052001	Stainless Steel Pull Rod with Graphics
P/N 01054003	30 GPM ABS Shower Head
P/N 01054005	20 GPM ABS Shower Head
P/N 01055007	30 GPM Stainless Steel Shower Head
P/N 01055005	20 GPM Stainless Steel Shower Head

P/N 01052103	1 1/4" Valve Assembly (Horizontal flow direction)
P/N 01052115	1" Valve Assembly (Horizontal flow direction)
P/N 01052158	1 1/4" Valve Assembly (Vertical flow direction)
P/N 01052116	1" Valve Assembly (Vertical flow direction)
P/N 00011061	1 1/2" Valve, corrosion resistant coating (Horizontal flow direction)

ASSEMBLY AND INSTALLATION INSTRUCTIONS

Overhead Showers

1. Locate overhead supply water connection (1" or 1 1/4").
2. Verify that the height distance of the overhead supply water connection maintains the shower head in a horizontal position (when installed) between 82" and 96" from the surface on which the user stands.

3. Connect valve to overhead supply water connection using pipe wrench and appropriate pipe sealant.

NOTE: For corrosion resistant coated valves, care must be taken when threading to avoid damage to coating. Do not use pipe sealant.

4. Remove cotter pin and washer from the pull rod and insert tip through the hole at the end of the shower actuator arm. Tip of pull rod should be on the actuator arm side closest to the overhead piping. Re-attach washer and cotter pin to secure pull rod.

5. Thread ABS yellow shower head, taking care not to cross thread. **Hand tighten until snug. DO NOT OVER TIGHTEN. Do not use a pipe wrench.** Pipe sealant or tape is not required or recommended.

For stainless steel shower head, thread using pipe wrench and appropriate pipe sealant.

6. Test unit for leaks and for proper water flow pattern by activating valve using actuation graphic pull ring.

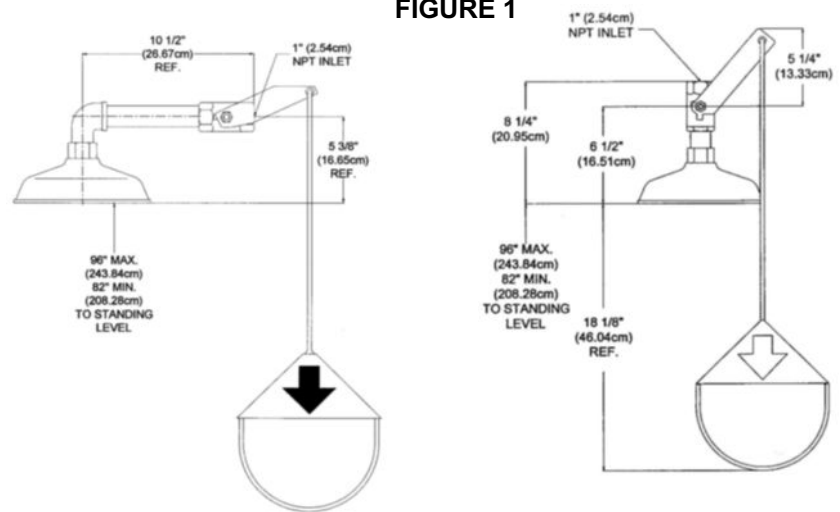


FIGURE 1

Ceiling Recessed Showers

1. Locate 1" overhead supply water connection. A 5" clearance above the overhead supply water pipe is required to allow actuator arm to fully extend.
2. Verify the overhead supply water connection is 9" above ceiling.
3. Connect overhead shower assembly to 1" supply water pipe using pipe wrench and appropriate pipe sealant.
4. When threaded to supply pipe, measure 25" from inlet connection to centerline of shower head and mark ceiling to identify shower head mounting hole location.

5. Measuring from centerline of shower head, mark and carefully cut an 8 1/2" diameter hole in ceiling to accommodate shower head and trim ring.

6. Thread stainless steel shower head with trim ring to 1" nipple using pipe wrench and appropriate pipe sealant.

7. Measuring from centerline of ball valve stem, mark and carefully cut hole in ceiling 1 1/2" in width x 10 3/4" in length for "ON" & "OFF" chains.

NOTE: Length of hole should run vertically with overhead water supply pipe. Centerline of hole should measure 23 5/16" from centerline of shower head.

8. Attach "ON" & "OFF" chains to actuator arm.

NOTE: Graphic "ON" pull ring should be between shower head and smaller "OFF" pull ring.

9. Install escutcheon plate into hole.

10. Test unit for leaks and for proper water flow pattern by activating valve using actuation graphic "ON" pull ring.

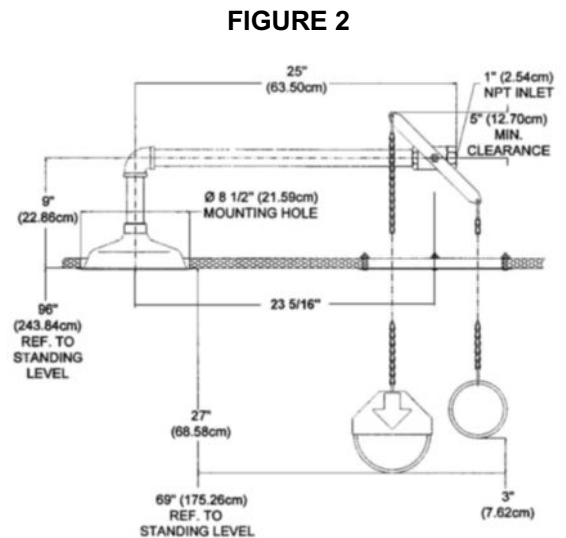


FIGURE 2

PROPOSITION 65

WARNING: This product can expose you to BPA, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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2. the product is determined by Encon to be defective.

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