

## PRODUCT DESCRIPTION

Walk through emergency shower booth with multi nozzle shower heads designed to provide full body spray coverage in one unit for industrial, commercial, or laboratory environments.

## GENERAL INFORMATION

Following are requirements of ANSI Z358.1-1998 for Emergency Eyewash and Shower Equipment. A complete copy of this standard may be purchased from the International Safety Equipment Association.

1. The unit shall be connected to a system capable of supplying adequate flushing fluid to meet the requirements of each component. The supply line shall provide an uninterruptible supply of water at 0.207 megapascal (30 pounds per square inch) of flow pressure. Where the possibility of freezing conditions exists, equipment shall be protected from freezing or freeze-protected equipment shall be installed.
2. Units shall be installed in accordance with the manufacturer's instructions and acceptable plumbing practices.
3. The unit shall be positioned so where the facewash heads are 83.8 cm (33 inches) to 114.3 cm (45 inches) from the floor and 15.3 cm (6 inches) minimum from the wall or nearest obstruction.
4. After installation, the shower unit 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. Measure the shower. The face 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.
  - d. **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.**
5. When the unit is installed, the valve shall be operated to determine that both eyes will be washed simultaneously at a velocity low enough not to be injurious to the user.
6. Shower units shall be in accessible locations that require no more than 10 seconds travel time from the hazard.
7. Each unit location shall be identified with a highly visible sign. The area around or behind the eyewash, or both, shall be painted a bright color and shall be well lighted.



## OPERATION & MAINTENANCE

1. Plumbed units shall be inspected weekly for proper pattern, flow volume and minimum requirements necessary to meet ANSI Z358.1-1998 standard.
2. A monthly record should be maintained to verify 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 use.

## TRAINING

All employees who might be exposed to chemical splash shall be instructed in the proper use of emergency eye/facewash units. Medical and industrial experiences have shown that initial first-aid treatment for chemical 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 eye.

# ASSEMBLY AND INSTALLATION INSTRUCTIONS

## Attachment to Floor

### CAUTION: CHECK FOR ADEQUATE FLOOR STRENGTH.

**Concrete:** Secure the floor flange (SST/galvanized) using four (4) red head expansion anchors or equal type anchors.

**NOTE:** If a concrete base is required ensure raised area is no more than 2" from grade.

**Metal:** Secure floor flange using four (4) ½"-13 UNC x 2" machine bolts for **thick metal surface** or four (4) ½"-13 x 2" bolts and nuts for **thin metal surface**.

**Wood** Secure floor flange using four (4) ½" x 3" lag screws.

**NOTE:** Use thread sealant on all joints except on ABS component eyewash or facewash heads.

1. Lay panels, pipe side down, in area where stall shower is to be installed.
2. Locate overhead pipe assemblies. Attach union on overhead section to union on top end of panel making sure spray nozzles on overhead unit are facing inward. Use pipe wrench to tighten union connections.

### CAUTION: DO NOT OVERTIGHTEN.

3. Repeat for each corner.
4. Raise unit to upright position and rest on floor flanges. (This should be done by at least two people).
5. Position stall in desired location ensuring the 1-1/4" NPT water inlet is in line with the water supply pipe.
6. Secure shower to floor using appropriate hardware.
7. Connect water supply to the 1-1/4" NPT water inlet of the stall unit.
8. Check for leaks upon testing of shower. (Max. dynamic water pressure 80 psi/Min. dynamic water pressure 30 psi).

If eyewash/facewash sub-assembly is used:

1. Attach push plate and locknut to ball valve.
2. Attach ball valve to ½" NPT potable water supply line.
3. Attach the fountain bowl to stall
4. Assemble eye/facewash head onto the fountain section taking care to avoid cross threading. **Hand tighten until snug. Then back off until heads are parallel with push plate. Do not over tighten. Do not use pipe dope.**

## 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](http://www.P65Warnings.ca.gov).

## WARRANTY STATEMENT

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1. Encon is notified of the defect within one year of shipment, and
2. the product is determined by Encon to be defective.

Encon requires proof of original ownership as proof of warranty coverage, and Encon must receive any claim under this Limited Warranty within one year of purchase of the product.

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Encon's total liability arising out of this warranty (including, but not limited to, warranty claims) regardless of forum and regardless of whether such action or claim is based on tort, contract or otherwise will not exceed the total purchase price of the product.



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