



ACORN SAFETY
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UNITED STATES OF AMERICA
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INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

FREEZE RESISTANT WALL MOUNTED EMERGENCY EYE/FACEWASH



MODELS: S0420-FRV / S0440-FRV

TECHNICAL ASSISTANCE TOLL FREE TELEPHONE NUMBER

1.800.591.9360

TECHNICAL ASSISTANCE FAX: 1.626.855.4894

NOTES TO THE INSTALLER:

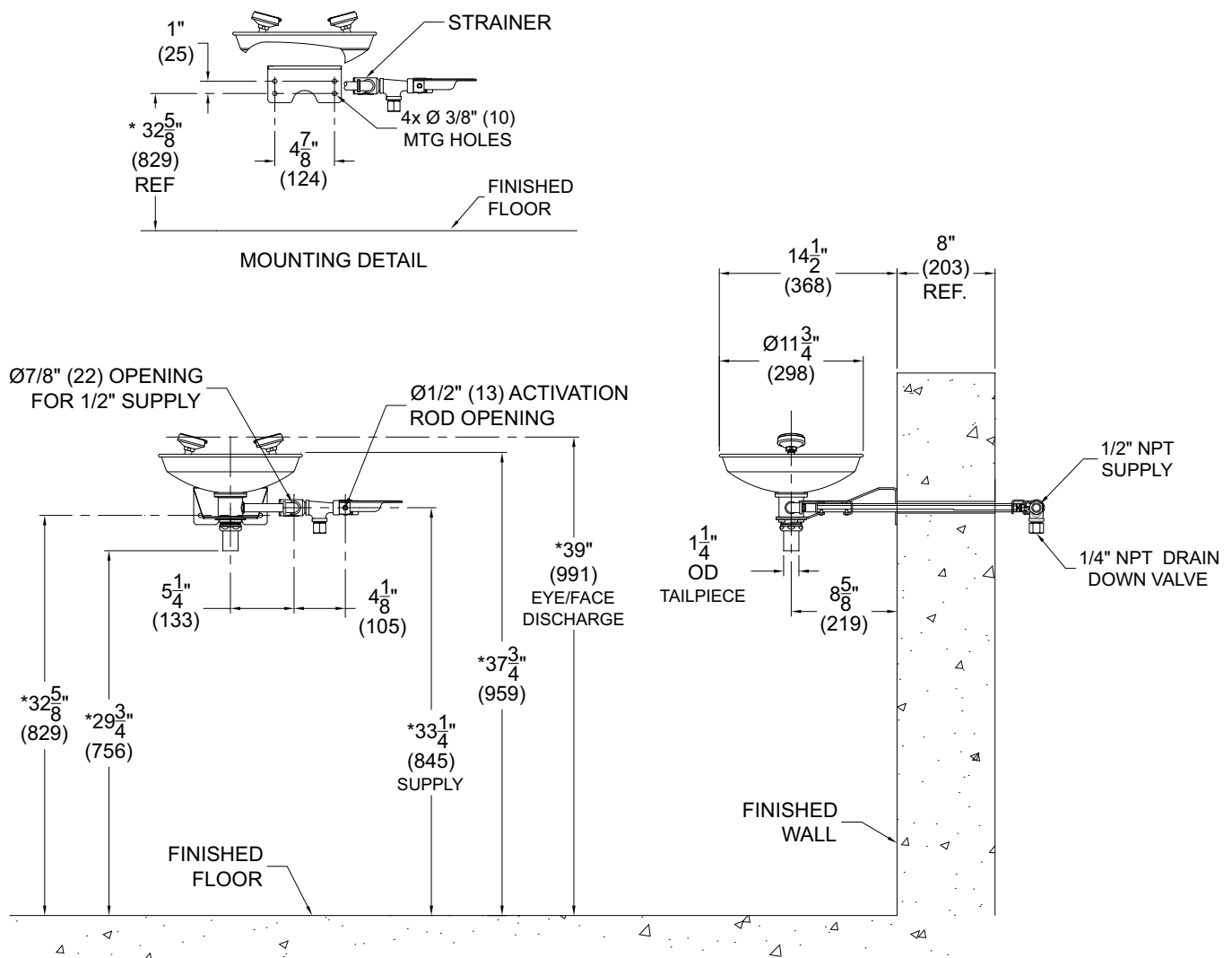
- 1. Please leave this documentation with the owner of the fixture when finished.**
- 2. Please read this entire booklet before beginning the installation.**
- 3. Check your installation for compliance with plumbing, electrical, ANSI Z358.1 and other applicable codes.**

PRELIMINARY STEPS

1. Read the installation instructions prior to beginning the installation.
2. Separate parts from packaging and verify all necessary parts are accounted for and undamaged. Obtain missing or damaged parts from Acorn Safety prior to beginning installation.
3. Flush water supply lines prior to installation. This will remove unwanted debris from the lines and prevent unwanted blockages in the safety equipment.
4. In order to comply with ANSI Z358.1, the safety equipment must be inspected periodically. An inspection tag is provided for documentation purposes.
5. All employees at risk of contamination should be be informed and trained in the use of this and any other safety equipment. The signage provided should be posted appropriately in close proximity to this equipment.

ROUGH-IN

S0420-FRV & S0440-FRV



GENERAL NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MM).
- *2. DIMENSIONS SHOWN ARE FOR REFERENCE FOR NORMAL ADULT HEIGHT. ANSI Z358. 1 REQUIRE NOZZLES TO BE BETWEEN 33" AND 45" ABOVE THE FLOOR.

INSTALLATION INSTRUCTIONS:

Supplies required: (not provided by Acorn)

1. Wall fastener anchors, washers and bolts for eyewash assembly.
(Machine threads or lag bolts based on construction.)
2. Pipe sealant or Teflon tape for sealing water connections.

IMPORTANT: FLUSH WATER SUPPLY LINES PRIOR TO CONNECTION TO SAFETY EQUIPMENT.

NOTES:

- Top of spray nozzles must be between 33" - 45" from finished floor in order to meet ANSI Z358.1
- Use hand tools and wrenches in a manner which will prevent marring finished surfaces. Strap wrenches or tools with plastic jaw linings are highly recommended.
- Refer to Rough-in for location of supply and drain lines.
- Fragments of Teflon tape or pipe sealant residue can interfere with the proper operation of this unit. Ensure pipe sealant methods do not cause contamination in the system.

STEP ONE: MOUNTING

1. Position assembly on wall at appropriate height and in proximity to the supply and drain lines.
2. While holding the assembly level against the wall, mark position of mounting bolt holes.
3. Remove assembly and install appropriate anchors into wall to receive 3/8" diameter bolts (supplied by others).
4. Re-position assembly against wall and install 3/8" bolts to secure the assembly to the wall.
5. Assemble activation rod to valve bracket and secure with nut. See detail "A".
6. Assemble activation paddle to activation rod and secure with provided screws. See Detail "B"

STEP TWO: SUPPLY LINE

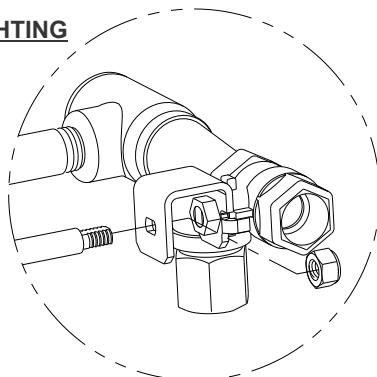
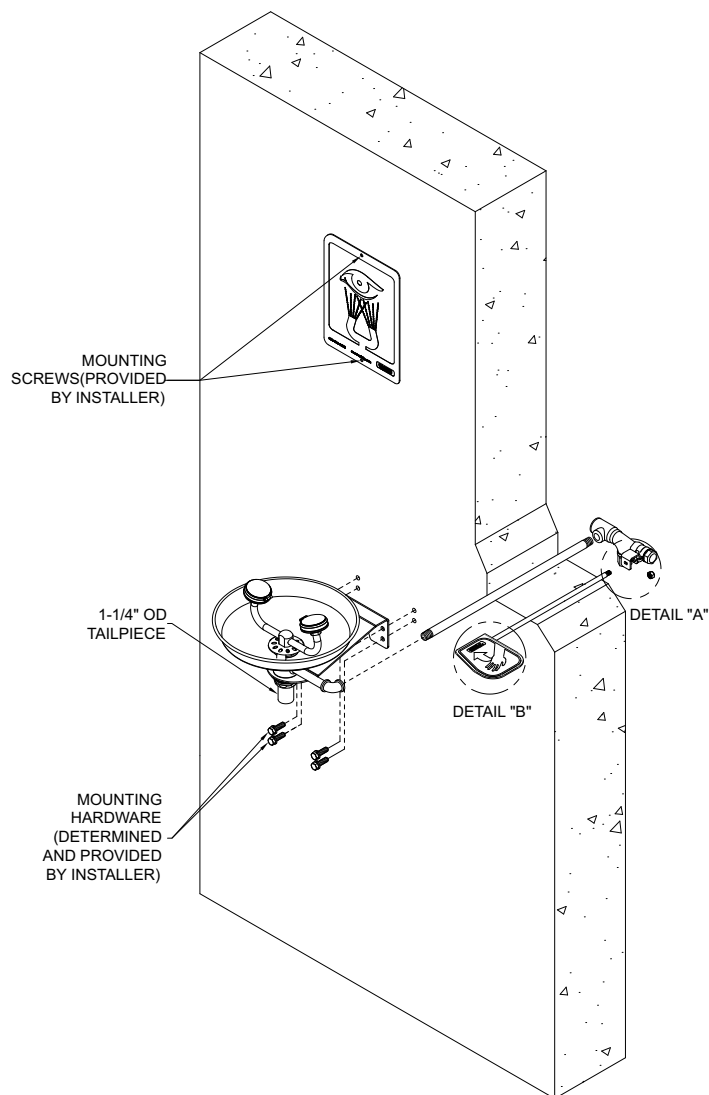
1. Install water line (Supplied by others), in a position, to align with 1/2" ball valve as shown in Rough-in.
2. Make connection to 1/2" NPTF ball valve with appropriate fittings (Supplied by others)
3. Open water supply.
4. Test for leaks, proper operation and flow.

STEP THREE: SIGNAGE & INSPECTION

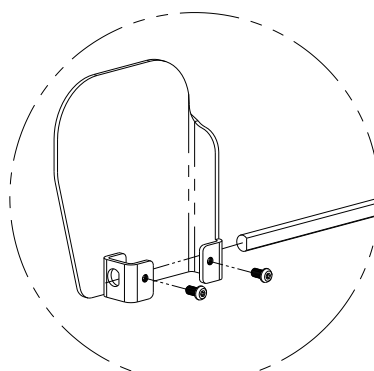
1. Position sign with clear visibility, in close proximity to safety equipment and mark mounting hole locations.
2. Select appropriate 1/4" anchors, screws and washers (Supplied by others) to install signage.
3. Attach inspection tag supplied, with plastic zip tie.

NOTE:

REFER TO ANSI 2358.1 FOR SIGNAGE AND LIGHTING REQUIREMENTS.



DETAIL "A"



DETAIL "B"

OPERATION INSTRUCTIONS:

Employees who work with hazardous materials should become familiar with the location and operation of the nearest emergency plumbing fixture. Emergency plumbing fixtures stations are simple to use and require hands free operation once the station is activated. Regular instruction regarding proper care and use will increase confidence that the units are accessible and function properly.

The route and area surrounding the Eye/Face Wash should be clear and unobstructed; the sooner eyes are flushed, the less likelihood of damage. Eye/Face Wash stations should be located in close proximity to the hazard and take no more than 10 seconds to reach. In the case of severe eye contamination the victim may require assistance to the Eye/Face station and help flushing their eyes.

Safety plumbing fixture equipment should be operated weekly for a period long enough to verify operation, clear the supply line of any sediment build-up and minimize microbial contamination due to sitting water.

1. To start the Eye/Face, push activation paddle from the horizontal to vertical fully "ON" position. Flushing should start, popping the spray nozzle caps open.
2. Lower both eyes into flow. Both eyes should be flushed to prevent contamination from one eye from being delivered to unaffected eye. Personnel who wear contact lenses should remove them immediately prior to or during the flush to prevent the contamination from remaining against the cornea possibly causing unnecessary damage or pain.
3. Using thumb and forefingers, fully open eyelids and flush eyes thoroughly for approximately 15 minutes or until medical personnel arrive. Be prepared to let the doctor know what type of contamination has entered the eye.
4. When finished return the push paddle to the horizontal or fully "OFF" position. Flushing fluid should stop. Once flushing fluid has stopped flowing, return spray nozzle lids to the closed position to protect from airborne contaminants.

4. While in operation, inspect spray nozzles for clogs or debris correct or replace as required.
5. Return push paddle to vertical or fully "OFF" position and swing back to stand by position. To prevent Eye/Face Wash spray nozzles from becoming contaminated, always close nozzle lids after each use.

MAINTENANCE GUIDE:

Maintain and inspect in accordance with ANSI Z358.1

1. Check for obvious signs of wear, broken or defective equipment. Re-paint if necessary. Replace missing or defective equipment such as broken push paddles, missing signs and inspection tags.
2. Remove strainer and washout any debris collected –replace as required.
3. Operate Eye/Face Wash nozzles using the push paddle to place ball valve in the fully "ON" position checking for smooth operation of valve push paddle mechanism at the same time ensuring that the Eye/Face spray nozzle caps pop off immediately when actuated. If the ball valve does not operate smoothly check the actuating assembly for binding or missing parts. If the Eye/Face spray nozzle caps do not pop off immediately when actuated check for correct supply inlet pressure.

PARTS LIST

ITEM	PART	NUMBER DESCRIPTION	ITEM	PART	NUMBER DESCRIPTION
1	7101-104-001	EYE/FACEWASH NOZZLE	9	7000-020-199	JAM NUT
	7101-058-001	FACEWASH NOZZLE W S/S LID	10	7100-113-001	1-1/4OD x 2.75 CHROME TAILPIECE ASSY
2	7101-003-001	YOKE STEM ASSEMBLY	11	7100-140-001	STRAINER ASSY
	7101-003-002	YOKE STEM ASSY S0430-CS1-SSE	12	7100-314-000	1/2"-14 NPT GALV. TEE MxFxF
3	7100-108-000	BOWL STRAINER	13	7101-001-000	1/2 BALL VALVE, CHROME PLATED BRASS
4	7101-005-000	PLASTIC BOWL	14	7101-231-199	1/2"NPTM x 1/4"NPTF DRAIN DOWN VALVE
	7101-008-000	S/S BOWL	15	7101-224-199	FRV ACTIVATION VALVE BRACKET
5	7101-046-000	PLASTIC BOWL GASKET	16	0304-007-000	5/16"-18UNC ZINC PLATED HEX NUT W/NYLOCK
	7101-048-000	S/S BOWL GASKET	17	7101-700-022	3/8" X 17.19" NPT PIPE, YELLOW
6	7101-054-022	DRAIN CASTING, YELLOW	18	7101-040-003	FRV ACTIVATION ROD ASSY
	7101-054-199	DRAIN CASTING, UNPAINTED	19	2725-501-000	INVERTED UMBRELLA DIAPHRAGM
7	7101-006-199	WALL MOUNTING BRACKET	20	7100-402-000	SAFETY EYEWASH PLACARD
8	7100-401-000	INSPECTION TAG			

