



INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

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E-mail: haws@hawsco.com ♦ website: www.hawsco.com

No. 2080162(23)

Model 8300-8309/8300CRP-8309CRP Shower & Eye/Face Wash

NOTE TO INSTALLER: Please leave this information with the Maintenance Department.

LIMITED WARRANTY

HAWS warrants that this specific product is guaranteed against defective material or poor workmanship for a period of **one year from date of shipment**. HAWS liability under this warranty shall be discharged by furnishing without charge F.O.B. HAWS Factory any goods, or part thereof, which shall appear to the Company upon inspection to be of defective material or not of first class workmanship, provided that claim is made in writing to Haws within a reasonable period after receipt of the product. Where claims for defects are made, the defective part or parts shall be delivered to the Company, prepaid, for inspection. HAWS will not be liable for the cost of repairs, alterations or replacements, or for any expense connected therewith made by the owner or his agents, except upon written authority from HAWS, Sparks, Nevada. HAWS will not be liable for any damages caused by defective materials or poor workmanship, except for replacements, as provided above. Buyer agrees that Haws has made no other warranties either expressed or implied in addition to those above stated, except that of title with respect to any of the products or equipment sold hereunder and that HAWS shall not be liable for general, special, or consequential damages claimed to arise under the contract of sale.

The emergency equipment manufactured by HAWS is warranted to function if installation and maintenance instructions provided are adhered to. The units also must be used for the purpose for which they were intended. This product is intended to supplement first-aid treatment. Due to widely varying conditions, Haws cannot guarantee that the use of this emergency equipment will prevent serious injury or the aggravation of existing or prior injuries.

NO OTHER WARRANTIES EXPRESSED OR IMPLIED ARE AUTHORIZED, PROVIDED OR GIVEN BY HAWS.

SHOULD YOU EXPERIENCE DIFFICULTY WITH THE INSTALLATION OF THIS MODEL PLEASE CALL:

TECHNICAL SUPPORT: 1-800-766-5612

FOR CUSTOMER SERVICE: 1-888-640-4297

LOCATION OF UNIT: The Model 8300/8300CRP/8309/8309CRP Emergency Shower should be installed in close proximity to potential accident areas. It should be clearly identified, free from obstructions and easy to access.

SUPPLY LINE: The minimum recommended line size is 1-1/4" IPS with 30-90 psi (2-6 ATM) flowing pressure. Where sediment or mineral content is a problem, an inlet filter is recommended.

PLUMBING CONNECTIONS: Inlet supply is female 1-1/4" IPS. Waste outlet is female 1-1/4" IPS.

INSTALLATION PROCEDURE

Refer to Installation Drawing for clarification. Check parts list to insure all required parts are included. Use pipe joint sealant PST #565 (Loctite) on all connections.

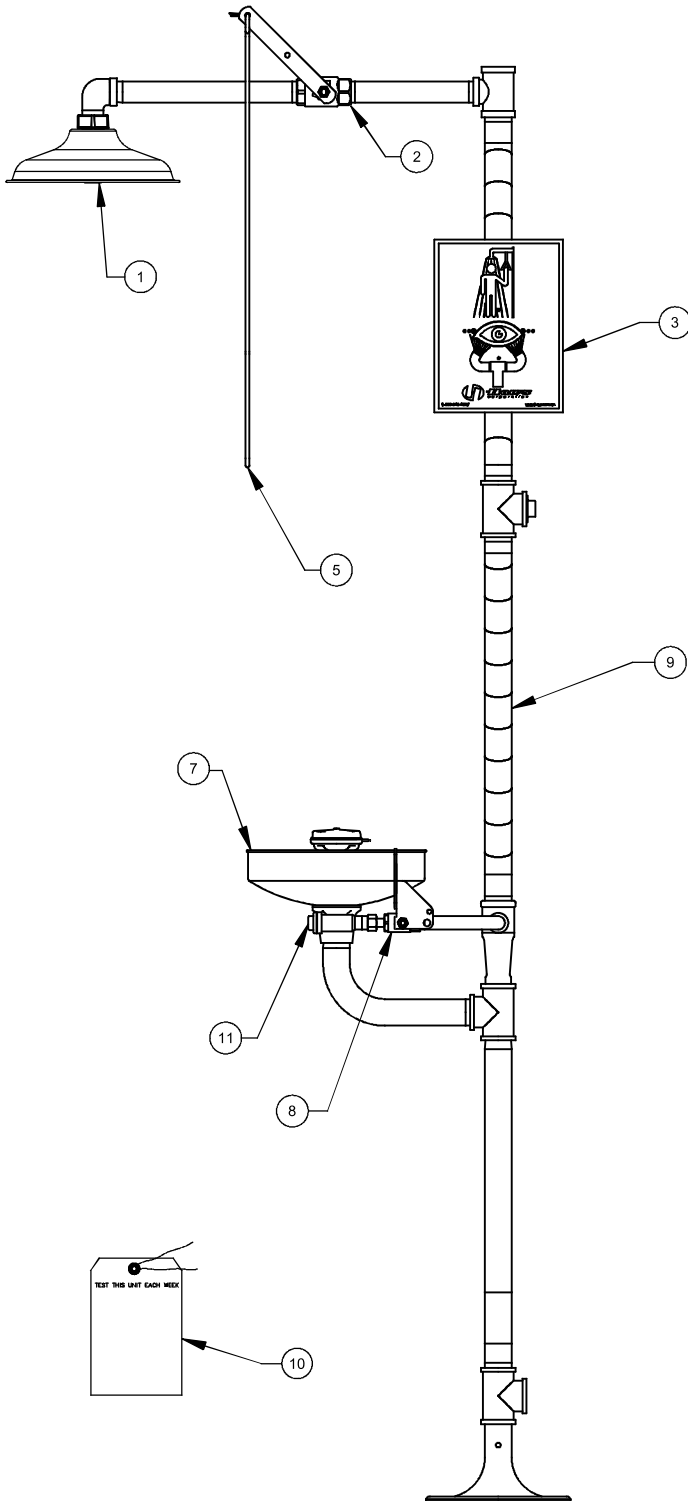
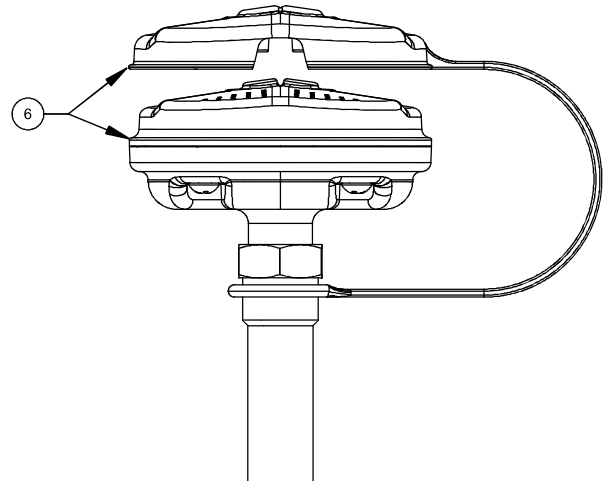
- STEP 1:** Prepare the emergency shower foundation by using the floor flange assembly as a template. Locate the three holes for the 3/8-16 UNC x 6" anchor bolts (not supplied). They should extend 1" above the floor level.
- STEP 2:** Once the concrete foundation is ready (dry), assemble the floor flange assembly to the anchor bolts; then securely fasten with 3/8-16 UNC Hex nuts and 3/8" washers (not supplied). Seal and tighten floor flange and tee (1-1/4") making certain the waste tee is facing the proper location and the foot control holes are facing side to side.
- STEP 3:** Assemble nipple (1-1/4" x 21-1/2") to the floor flange assembly and tighten with a pipe wrench.
- STEP 4:** Assemble the eyewash loop assembly to the 21-1/2" nipple from Step three. Connect the pipe wrench to the galvanized nipple between the two tees to avoid damage.
- STEP 5:** Assemble in the following order:
Attach nipple (1-1/4" x 24") onto the loop assembly.
Attach nipple (1-1/4" x 24") onto the tee (1-1/4").
Attach tee (1-1/4" x 1-1/4" x 1") onto nipple.
Attach nipple (1x 9") valve assembly onto tee (1-1/4" x 1-1/4" x 1").
Assemble the street elbow (1") onto nipple (1" x 12-1/2").
Attach nipple onto valve.
- STEP 6:** Assemble showerhead onto street elbow (1").
- STEP 7:** Assemble the sign onto the unit. Use the strap, screws, washers and nuts provided to mount the sign onto the upright. The sign should be positioned for maximum visibility.
- STEP 8:** Insert the plug into the optional supply line tee that is not used. Before connecting the supply water line to the emergency shower, **FLUSH THE LINE THOROUGHLY.**

TROUBLESHOOTING	
PROBLEM	REPAIR CHECKLIST
1. No flow.	1. Check the main shut-off valve.
2. Water leak between joints or fittings.	2. Tighten loose connections. If leak persists, the application of hot water will sometimes reseal improperly applied joint compound. After 30 minutes wait and retest. A persistent leak will necessitate reassembly and additional sealant.
3. Insufficient water flow, shower and eyewash.	3. Verify minimum 30 psi (2 ATM) flowing supply line pressure.
4. Water does not drain properly.	4. Check your drain system for debris. Check the main waste line of your building to see if it does handle the capacity required for the entire drainage system.
5. Insufficient water flow on eyewash, however, shower is sufficient.	5.a. Verify minimum 30 psi (2 ATM) flowing supply line pressure.
	b. Probable clogging of flow control due to inadequate line flushing. Unscrew eye/face wash head and remove the four screws to disassemble head. Clean flow control and reassemble head. See SP65 Installation Drawing for details.
	c. Remove cap located on L – Strainer using a 3/8" allen wrench to access and clean filter screen.
6. Eyewash or face wash streams do not meet at desired eye level or are not balanced.	6. Possible blocked flow control see above solution. (Possible non-leveled eyewash assembly.)
7. Insufficient water flow at the showerhead, however, eyewash is sufficient.	7.a. Probable clogging of flow control inside shower head. Unscrew shower head off of elbow and clean rubber flow control.

PARTS BREAKDOWN

OPTIONAL

ITEM	DESCRIPTION	PART NO.
1	SHOWER HEAD	SP829
2	VALVE ASSEMBLY	SP260
3	SHOWER SIGN	SP178
4	FOOT TREADLE (NOT SHOWN)	SP220
5	PULL ROD	SP200
6	EYE/FACE WASH ASSY	SP65
7	SS BOWL	SP90
8	VALVE ASSEMBLY	SP225
9	STRIPE TAPE	SP185
10	TEST TAG	SP170
11	L-STRAINER	SP509
--	STR. REPAIR KIT	VRKEWSTR

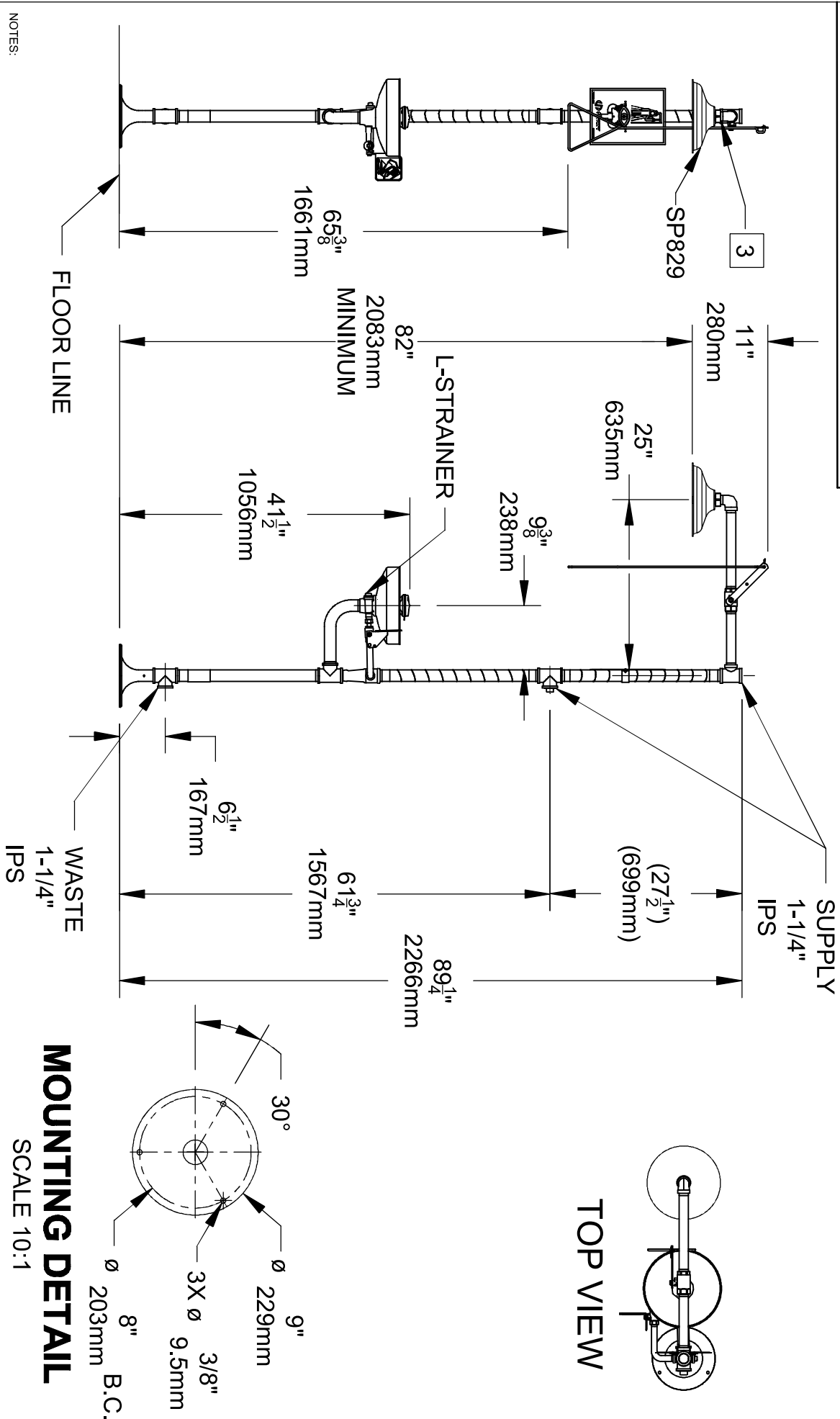


SP65 EYE/FACE WASH ASSEMBLY

**NOTE: MODEL 8300CRP/8309CRP
HAS CORROSION RESISTANT
COATING ON ALL EXPOSED PIPING.**

WHEN ORDERING PARTS PLEASE SPECIFY MODEL NUMBER.

		1455 KLEPPE LANE SPARKS, NEVADA 89431 (775) 359-4712 FAX (775) 359-7424 E-MAIL: HAWS@HAWS.CO.COM WEBSITE: WWW.HAWS.CO.COM	
		ECN NO. 4938 REVISED PER VWC DATE 03/10/93 CHKD APPROVED FV DATE 01/08/15	MODEL(S) 8300-8309/8300CRP-8309CRP
DRAWING NO. 11488C00 REV 23		SCALE: 1:1 DRAWING TYPE: PARTS BREAKDOWN SIZE: A SHEET 1 OF 1	



NOTES:

1. DIMENSIONS MAY VARY BY $\pm 1/2$ INCH [13mm].
2. TO COMPLY WITH ANSI Z358.1-2009 FOR EMERGENCY EYEWASH OR EYEFACE WASH AND SHOWER EQUIPMENT:
 - UNIT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ACCEPTABLE PLUMBING PRACTICES.
 - EYEWASH OR EYEFACE WASH SHALL BE POSITIONED WITH NOZZLES NOT LESS THAN 83.8 CM (33 IN.) AND NO GREATER THAN 114.3 CM (45 IN.) FROM SURFACE ON WHICH USER STANDS AND 15.3 CM (6 IN.) MINIMUM FROM WALL OR NEAREST OBSTRUCTION.
 - SHOWER SHALL BE POSITIONED SO THAT SHOWER HEAD IS NOT LESS THAN 208.3 CM (82 IN.) NOR MORE THAN 243.8 CM (96 IN.) FROM SURFACE ON WHICH USER STANDS.
 - SHOWER SPRAY PATTERN SHALL HAVE A MINIMUM DIAMETER OF 50.8 CM (20 IN.) AT 152.4 CM (60 IN.) ABOVE SURFACE ON WHICH USER STANDS, AND CENTER OF SPRAY PATTERN SHALL BE LOCATED AT LEAST 40.6 CM (16 IN.) FROM ANY OBSTRUCTION.
3. DO NOT USE REGULAR PIPE SEALANT. IF NECESSARY USE DOW CORNING 832 SEALANT PLACING 5 SMALL BEADS ON THE MALE THREADS, JUST ABOVE THE FIRST THREAD.



Haws

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ECN NO. REVISED PER BY:	MODEL(S)	PART NUMBER
DRAWN: EON 4938 WVC	8300-8309/8300CRP-8309CRP	0002080162.D
SLS DATE: 04/25/08		DRAWING NO. REV
APPROVED: DATE:		09459A00 13
SCALE: 1:1	DRAWING TYPE: INSTALLATION	SIZE: A 1 SHEET 1 OF 1

INSTALLATION :: USAGE



GENERAL RULES

Emergency equipment manufactured by Haws Corporation® is warranted to function if installed per provided installation and maintenance instructions. The units also must be used for the purpose for which they were intended. This product is intended to supplement first-aid treatment. Due to widely varying conditions, Haws Corporation cannot guarantee that the use of this emergency equipment will prevent serious injury or the aggravation of existing or prior injuries.

OSHA - Haws emergency equipment enables you to meet the requirements in the OSHA Rules and Regulations covering this type of equipment.

ANSI - Haws emergency equipment is manufactured to meet ANSI Z358.1-2014 for Emergency Eyewash and Shower Equipment.

EMPLOYEE INSTRUCTION

To insure adequate operation of the units, all persons should be instructed in the proper use of both the shower and eye/face wash. Affected areas should be rinsed at the scene of the accident for at least 15 minutes, and a doctor or industrial nurse should be contacted immediately.

WARNING: Eye and eye/face wash units should not be used if it is known that eye contamination is metal or some other rigid solid fragment. In such an event, both the victim's eyes should be gently immobilized in accordance with the current "Red Cross Standard First Aid Manual" and medical attention immediately sought.

IDENTIFICATION and SIGNAGE

Units should be installed in close proximity to hazardous areas, free from obstructions that may inhibit immediate use, and clearly identified as eye/face wash stations or emergency showers or both.

INSTALLATION AND WATER SUPPLY

Showers and eye/face washes should be connected to the main potable water supply, and a loose-key lock-shield type stop or shut-off valve is recommended to allow proper maintenance of the unit. Valve must be labeled to prevent unauthorized shut-off.

One of the most important considerations when installing water bearing emergency equipment is assuring an adequate supply of water is available to unit. Piping should be installed no smaller than the inlet size of the unit, and at least 30 psi dynamic pressure should be available to the equipment. The ideal pressure for shower or eyewash is between 30 and 90 psi.

Only products that meet the American National Standards Institute (ANSI) for Emergency Eyewash and Shower Equipment (Z358.1) should be installed.

Emergency eye/face wash, shower, drench hose, and combination units are not a substitute for proper primary protective devices. As a defense against flying solid particles and splashing injurious liquids, workers should wear eye and face protectors and protective clothing.

PROPER DRAINAGE

Appropriate drainage should be considered for emergency showers and other equipment to prevent excess accumulation of water on floors.

FREEZE-RESISTANCE

When installations are outside and temperatures drop below 32° F (0° C), freeze-proof units are recommended. Precautions should also be taken to protect the user under frigid conditions. It shall be the responsibility of each specifying authority to determine the delivered water temperature that will be required in an area, not only to provide the flow of water as required, but also maintain it at a temperature that will be safe for the user. Delivered water temperature should not be at extremes that might be expected to discourage the unit's effective use under emergency conditions. The ANSI required range is 60° F - 100° F (15° C - 38° C). In circumstances where chemical reaction is accelerated by water temperature, a medical advisor should be consulted for the optimum temperature for each application.

WARNING ALARM SYSTEMS

In remote areas or in hazardous locations where there are very few people, a Haws Model 9001 alarm should be installed. This alarm activates when a shower or an eye/face wash unit is used in order to summon help to the injured.

PROTECTION FROM DEBRIS

Wherever possible, a Haws Model 9070 filter should be provided upstream of the eye/face wash to remove particles from the water and prevent additional eye damage. Model SP502 strainer tee is also available.

Line size Y-strainer installed in supply line to unit should be considered to reduce chance of debris reaching eye/face wash and/or shower.

When protection of a Haws eye/face wash from dust or airborne contaminants is necessary, Haws offers Model 9102 Dust Cover which encloses the bowl and is available for selected eye/face wash models.



SPECIFIC REQUIREMENTS

These units should be located as close to the hazard as possible without physically causing a hazard itself, such as protruding fittings. Emergency showers and eye/face washes shall be in accessible locations that require no more than 10 seconds to reach. Per ANSI Z358.1-2014, tepid water should also be used to protect the user under frigid conditions, including provisions for the proper disposal of the water. Installation procedures should be in accordance with proper plumbing practices, with supply piping sized adequately to meet flow requirements.

Supply lines should be properly flushed prior to installation of emergency units.

EYE and EYE/FACE WASHES

All eye and eye/face washes should be connected with piping no smaller than 1/2" IPS, and should be attached to a drain by a code approved method to facilitate ease of testing.

Dynamic water pressure at the eye/face wash should be no less than 30 psi or more than 90 psi during operation.

In areas where multiple eye injuries could occur simultaneously, more than one eye/face wash is recommended.

EMERGENCY SHOWERS

Minimum pipe size to shower should be no smaller than 1" IPS. Dynamic water pressure should be no less than 30 psi or more than 90 psi. On showers located more than 50 feet from the main water supply, piping should be sized to provide friction losses no greater than 50 feet of 1-1/4" pipe.

A drain should be provided for the shower.

In case of chemical burn, the victim should shower immediately and a doctor or nurse should be notified.

COMBINATION SHOWERS and EYE/FACE WASHES

A drain should be provided for the shower, and the eye/face wash should be connected to the drainage system.

Minimum pipe size to the combination unit should be no smaller than 1-1/4" IPS. Dynamic water pressure should be no less than 30 psi during operation of both units. On units more than 50 feet from the main water supply, piping should be sized to provide friction losses no greater than 50 feet of 1-1/2" pipe.

The injured person should immediately turn on the shower and remove all clothing as quickly as possible.

REGULAR TESTING

All emergency showers and eye/face washes should be tested weekly. A testing tag is attached to each unit and is used to record the date of the test and the initials of the tester. If there is no floor drain available for proper testing of the shower, a Haws Shower Test Kit, Model 9010, and container, Model 9009 should be used.



HAWS EMERGENCY EQUIPMENT :: LIMITED WARRANTY



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