INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

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

No. 2080042(11)

Model 7360B-7460B/7360BT-7460BT 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 areasonable 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 7360B/7360BT/7460B/7460BT Emergency Eyewash units should be installed in close proximity to potential accident areas. They should be clearly identified free from obstructions and easy to access.

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

PLUMBING CONNECTIONS: Inlet supply is female 1/2" IPS. Waste outlet is 1-1/2" IPS.

TROUBLESHOOTING

PROBLEM	REPAIR CHECKLIST
1. No flow.	1. Check the main shut-off valve.
2. Insufficient water flow.	2. a. Verify minimum 30 psi (2 ATM) flowing supply line pressure. b. Probable clogging of flow control due to inadequate line flushing. Turn water supply off. 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.
3. Eyewash or facewash streams do not meet desired eye level or are not balanced.	3. Possible blocked flow control, see above solution. Possible non-leveled eyewash assembly.
4. Water does not drain properly.	4. Check the main waste line of your building to see if it does handle the capacity required for the entire drainage system.

For more information about Haws products, see our website: www.hawsco.com

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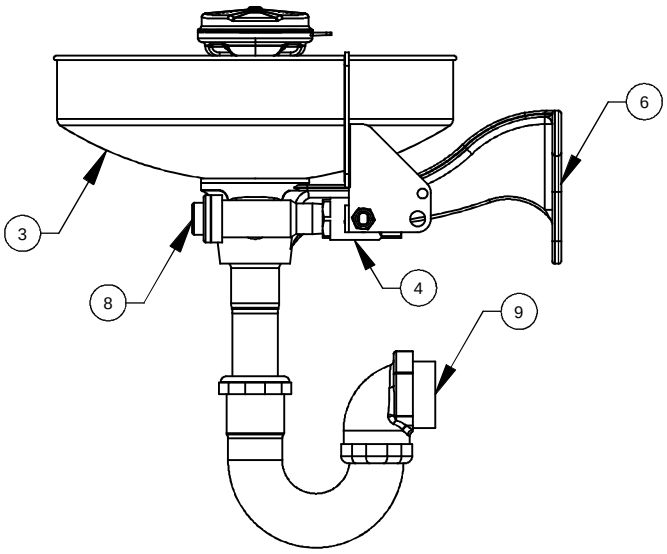
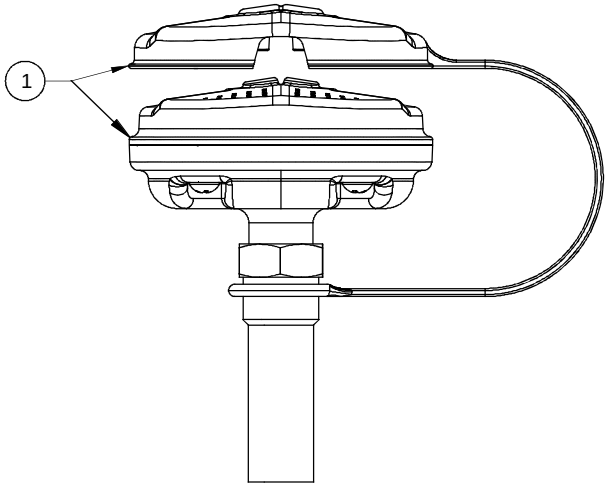
THIS DOCUMENT IS TRUE AND CORRECT AT TIME OF PUBLICATION. CONTINUED PRODUCT IMPROVEMENTS MAKE SPECIFICATIONS AND MEASUREMENTS SUBJECT TO CHANGE WITHOUT NOTICE.

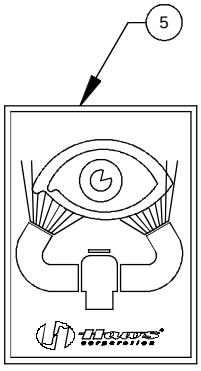
PARTS BREAKDOWN

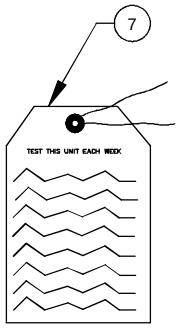
ITEM	DESCRIPTION	PART NO.
1	EYE/FACE WASH ASSY	SP65
2	-	-
3	BOWL	SP90
4	VALVE ASSEMBLY	SP229
5	EYEWASH SIGN	SP175
6	BRACKET	SP80
7	TEST TAG	SP170
8	L-STRAINER	SP509
9	TAILPIECE & TRAP	SP95
--	STR. REPAIR KIT	VRKEWSTR
--	EYEWASH ASSEMBLY	SP69FC



NOTE: SP95 TAILPIECE & TRAP INCLUDED W/MODEL 7360BT & 7460BT ONLY







SP65 EYE/FACE WASH ASSEMBLY

(INCLUDES: EYE/FACE WASH HEAD (**SHOWN**) EYEWASH HEAD (**NOT SHOWN**), EYEWASH FLOW CONTROL (**NOT SHOWN**), DUST COVER (**SHOWN**))

Haws®
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ECN NO.	REVISED PER	BY
	ECN: 4910	HM
DRAWN	DATE	CHKD
CLF	2/23/93	
APPROVED	DATE	

MODEL(S) 7360B-7460B/7360BT-7460BT

PART NUMBER 0002080042

DRAWING NO. 11449C00 REV 11

SCALE: 1:1 | DRAWING TYPE: PARTS BREAKDOWN | SIZE: A | SHEET 1 OF 1

WHEN ORDERING PARTS PLEASE SPECIFY MODEL NUMBER.

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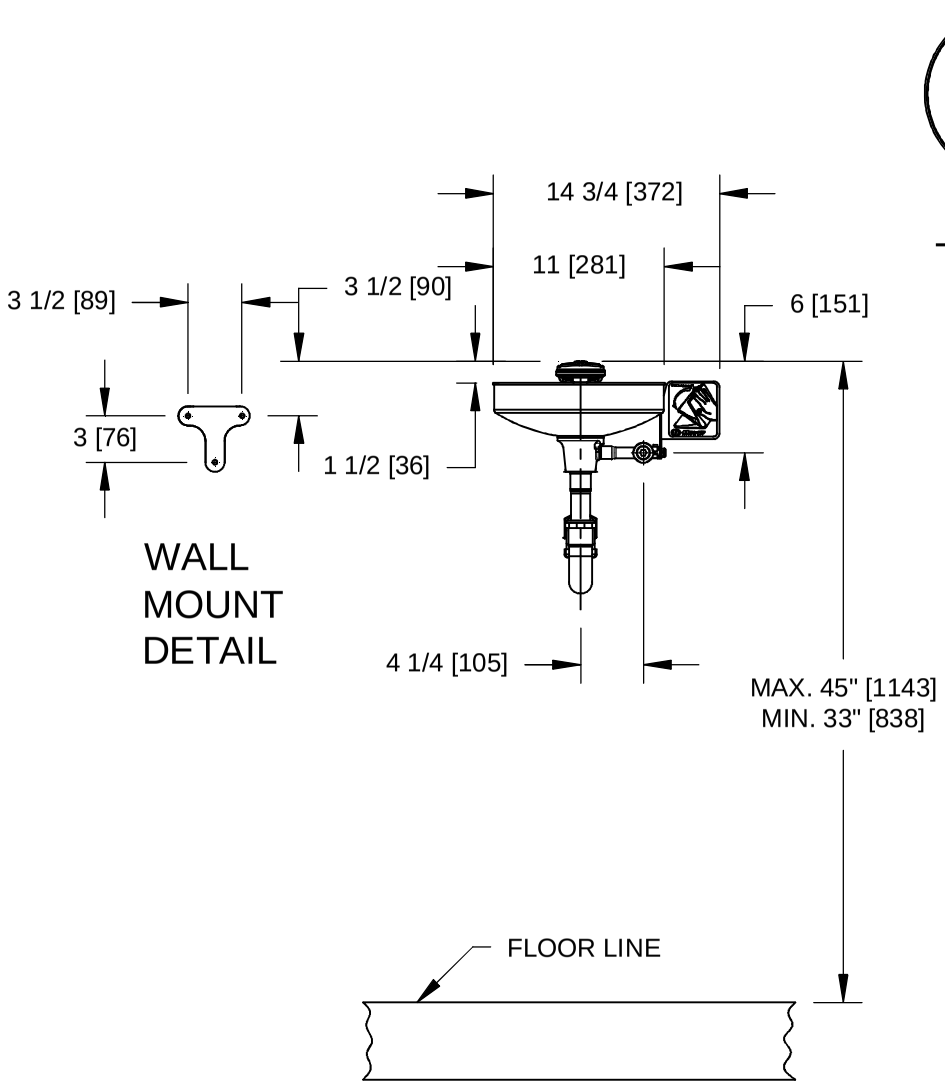
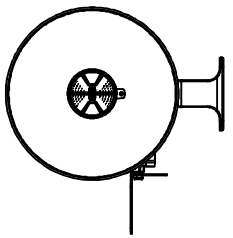
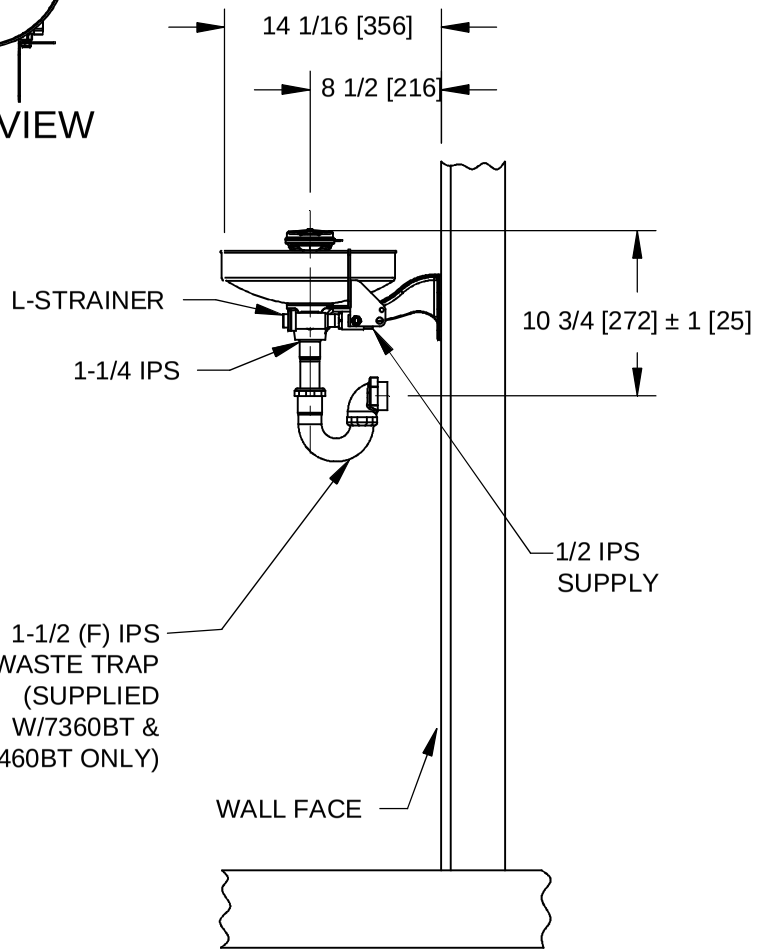


WALL MOUNT DETAIL





NOTES:

1. METRIC DIMENSIONS ARE IN BRACKETS [X].
2. TO COMPLY WITH ANSI Z358.1-2009 FOR EMERGENCY EYEWASH OR EYE/FACE WASH:
   - UNIT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ACCEPTABLE PLUMBING PRACTICES.
   - EYEWASH OR EYE/FACE WASH SHALL BE POSITIONED WITH NOZZLES NOT LESS THEN 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.
3. DIMENSIONS MAY VARY BY ± 1/2 [13].

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ECN NO.	REVISED PER	BY:
4110	ECN: 4910	HM
DRAWN:	DATE:	CHK'D.:
IR	4/28/08	
APPROVED:	DATE:	

MODEL(S)
7360B-7460B/7360BT-7460BT

PART NUMBER 0002080042.D
DRAWING NO. 08808A00 REV 11

SCALE: 1:1 | DRAWING TYPE: INSTALLATION | SIZE: A | SHEET 1 OF 1

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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.

MAINTENANCE

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.