



INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

1455 Kleppe Lane ♦ Sparks, NV 89431-6467 ♦ (775) 359-4712 ♦ Fax (775) 359-7424

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

No. 0510001070 (1)

Model SP145 Drench Hose

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:**

1-800-766-5612

FOR PARTS CALL:

1-800-640-4297

LOCATION OF UNIT:

- The Model SP145 Drench Hose is intended for use only with the 8315CTFP series of emergency showers, and may be installed as follows:
 - As a standalone accessory directly on an 8315CTFP shower, **OR**
 - in conjunction with the SP121 Auxiliary Plumbing Assembly, which allows for various combinations of the following:
 - A recirculation loop through the shower
 - An SP158.15 valve
 - An SP145 drench hose
 - *For a drench hose for use with other showers and eyewashes, please see Model 8901B or 8901RFK.*

RECOMMENDED TOOLS & SUPPLIES:

- Wire cutters
- Pipe wrench (and slip-joint pliers, if possible)
- Pipe joint sealant
(Loctite PST #567 recommended)
- Phillips (or slotted) screwdriver
- Adjustable wrench
- Serrated knife or saw
(only for installing without the SP121)
- Insulation coating or cladding
(only needed for severe outdoor exposure to UV)

INSTALLATION NOTES:

Installation of this device is the responsibility of the installer and shall be carried out in accordance with the instructions in this and other pertinent Haws manuals.

- **To install the SP145 with the SP121 auxiliary plumbing assembly:** Please consult the SP121 manual.
- **To install the SP145 as a standalone accessory:** Please use the following procedures.

Valve Installation (Standalone Accessory Only)

STEP 1: Unboxing & Preparation

The following components are included with this model. Pertinent installation steps are included for reference.

- Plumbing grommet.....*Step 2*
- 1-1/4" x 1" reducer.....*Step 3*
- 1-1/4" x 4-1/2" nipple.....*Step 3*
- Drench hose assembly.....*Step 3*
- 6 zip ties for heat trace.....*Step 4*
- Smaller insulation ring.....*Step 5*
- 4 zip ties for insulation within jacketing.....*Step 5*
- Larger insulation section.....*Step 5*
- 2 straps and 2 heads for outer insulation..... *Step 5*
- Insulation disc.....*Step 5*
- Insulation seam tape.....*Step 5*
- Hose clips with hardware.....*Step 5*

Installation Tip: It is easiest to install this drench hose while installing the 8315CTFP-series shower itself; refer to the 8315CTFP O&M for details.

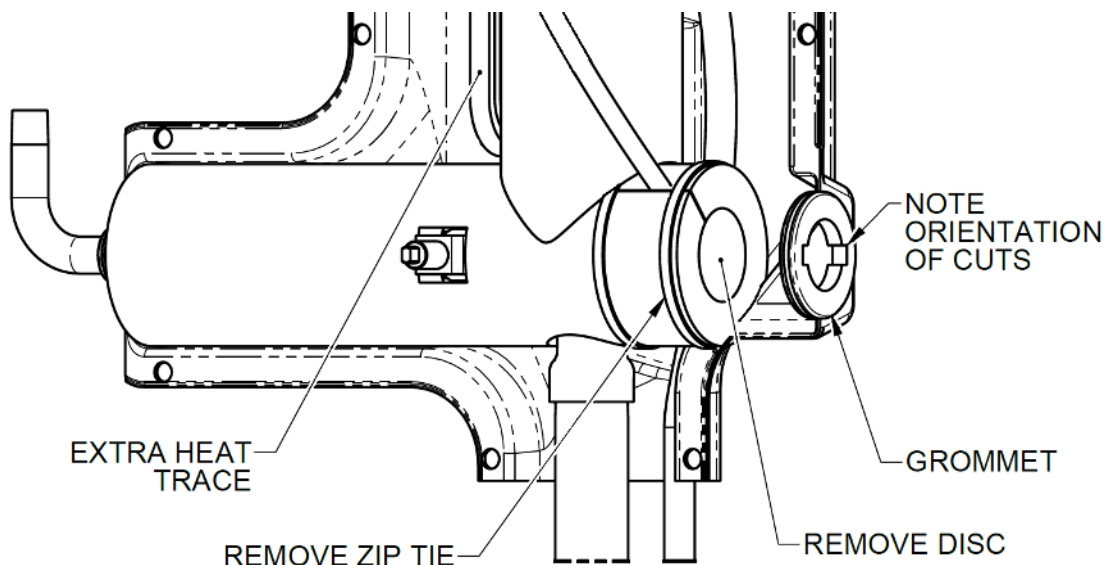
If this drench hose is to be retrofitted into a completed shower, the right-hand section of jacketing at the level of the eyewash must be removed:

- Peel the black seal trim off of the jacketing flanges in this area.
- Remove the eyewash push flag and the shower handle assembly so the jacket can slide off.

STEP 2: Auxiliary Outlet

- Install the grommet in the jacket opening beneath the inlet, pointing the square cuts on the inner diameter toward the sides of the shower.
- Locate the coil of extra heat trace in front of the vertical piping. Carefully clip the zip ties holding this coil together, taking care not to damage the heat trace.
- This extra heat trace will soon be pulled rearward so it can run out the back of the unit. Clip the 1 or 2 insulation zip ties rearward of the heat trace that would prevent routing it in this fashion.

- Remove and discard the insulation disc over the auxiliary outlet cap and discard. The slits in the insulation here allow the insulation to be folded back – find the galvanized cap over the auxiliary outlet and remove it with slip-joint pliers or a pipe wrench.

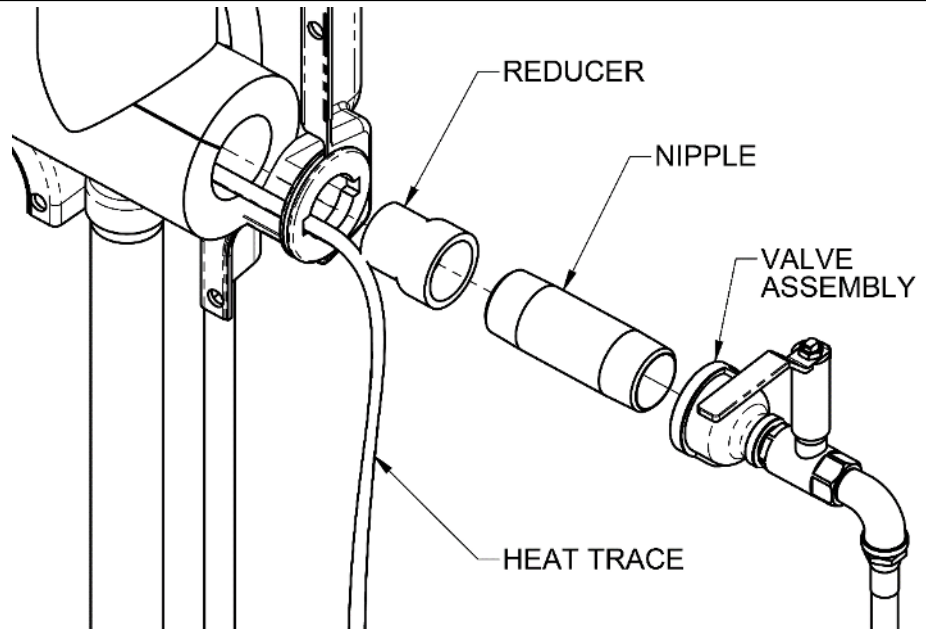


STEP 3: Plumbing

- a) Run the heat trace out the grommet from Step 1, situating it within the nearest square cut in the grommet.

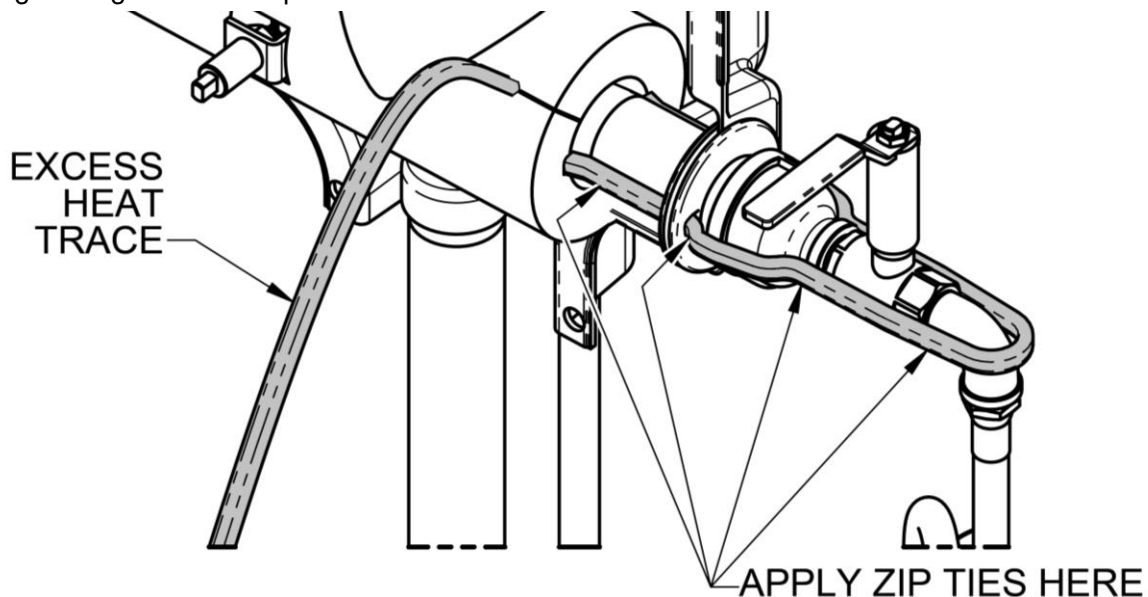
WARNING: The heat trace must lay flush against the plumbing, contacting it wherever possible, in order to transfer the necessary heat into the water. Failure to bring the heat trace into adequate contact with the plumbing may cause local freezing within the plumbing, risking damage, leakage, and malfunction.

- b) Connect and seal the galvanized reducer, and then the galvanized nipple, to the auxiliary outlet. The nipple will run through the grommet, with the heat trace alongside it.
- c) Connect and seal the drench hose valve assembly to the end of the nipple. Point the hose downward.
- d) Pressurize the plumbing and check for leaks.
- e) Make sure the heat trace is running smooth and flat along the new plumbing, but do NOT zip tie it into place yet.



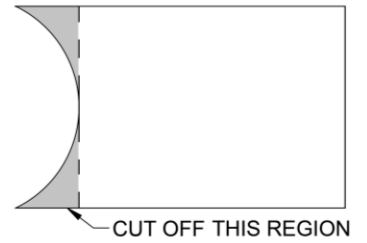
STEP 4: Heat Trace

- a) Run the heat trace straight and level along the side of the plumbing and drench hose valve assembly. Wrap it around the outlet elbow on the valve, then run it straight back along the opposite side.
- b) Push the end of the heat trace through the open square cut in the grommet and feed the excess length back within the jacket. The heat trace must run along the opposite side of the auxiliary outlet plumbing until it rejoins the vertical shower piping. The excess length beyond this point should run out through the insulation slit that the extra heat trace originally used. Store this excess length where the extra heat trace was originally located.
- c) Install the heat trace zip ties (found in a bundle of 6) approximately where shown. Use more than the 4 shown, if needed. **The purpose of these zip ties is to ensure that the heat trace maintains solid contact with the piping as continually as possible** – make sure the heat trace is ideally positioned before tightening down the zip ties.

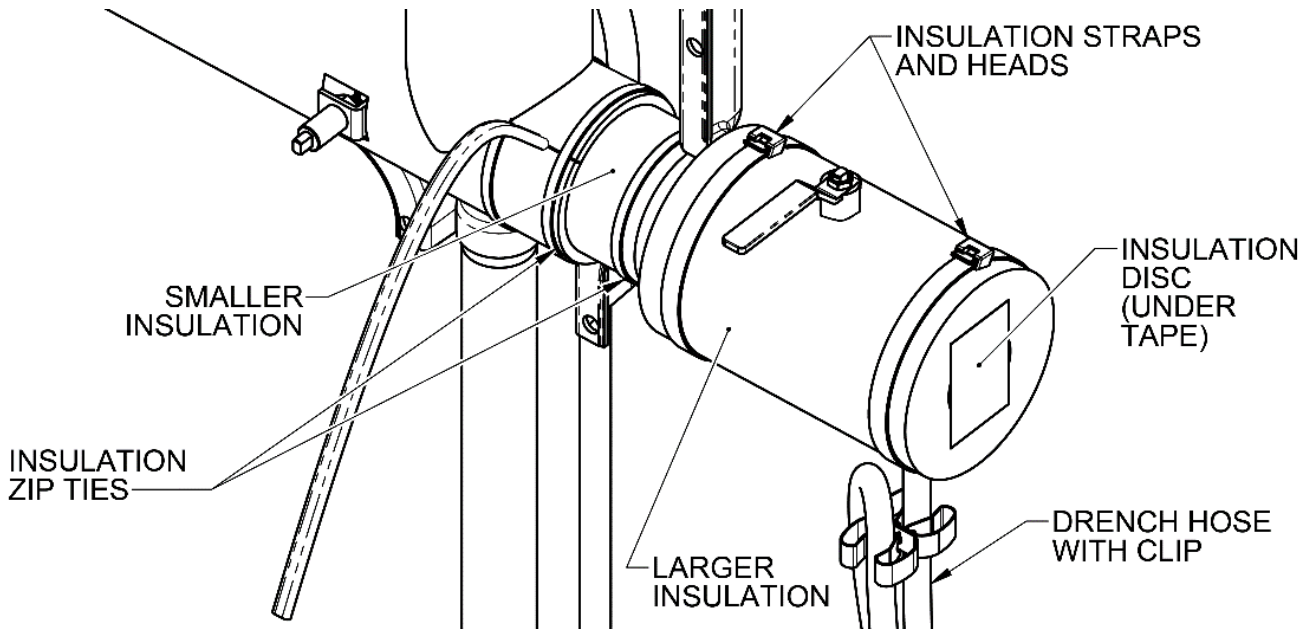


STEP 5: Insulation

- a) Place the smaller insulation ring around the bare auxiliary piping within the jacketing, using both the integral adhesive strips on the insulation to close it up. Be sure this new piece is butted fully against the factory insulation. Use the insulation zip ties (found in a bundle of 4) to secure the new piece, and to replace the ones previously cut. Tighten each zip tie only enough to close the insulation around the piping.
- b) Note the large radius found on one end of the larger insulation. For this application, carefully cut the radiused portion away with a serrated knife or saw. Do not cut off any more than is necessary. Place the insulation around the drench hose assembly, noting the bottom opening for the hose.
- c) Place the new insulation disc into the open end of the larger insulation. Apply the seam tape over it to hold it in place.
- d) Use both the integral adhesive strips on the larger insulation to close it up. Use the insulation straps and heads on the two ends of the larger insulation to further hold it in place – only tighten the straps enough to close the insulation around the plumbing (and insulation disc).
- e) If the insulation is to be exposed to severe levels of UV (e.g. a rooftop installation), consider applying a protective coating or cladding (such as K-FLEX 374 or K-FLEX Clad) to the insulation.
- f) Assemble the two hose clips back-to-back with the screw and nut. Loop the hose and use this clip assembly to hold the hose to itself in a convenient position.



WARNING: Do not allow water to pool in the bottom of the hose loop, where it can freeze and block flow.



TROUBLESHOOTING PROCEDURE

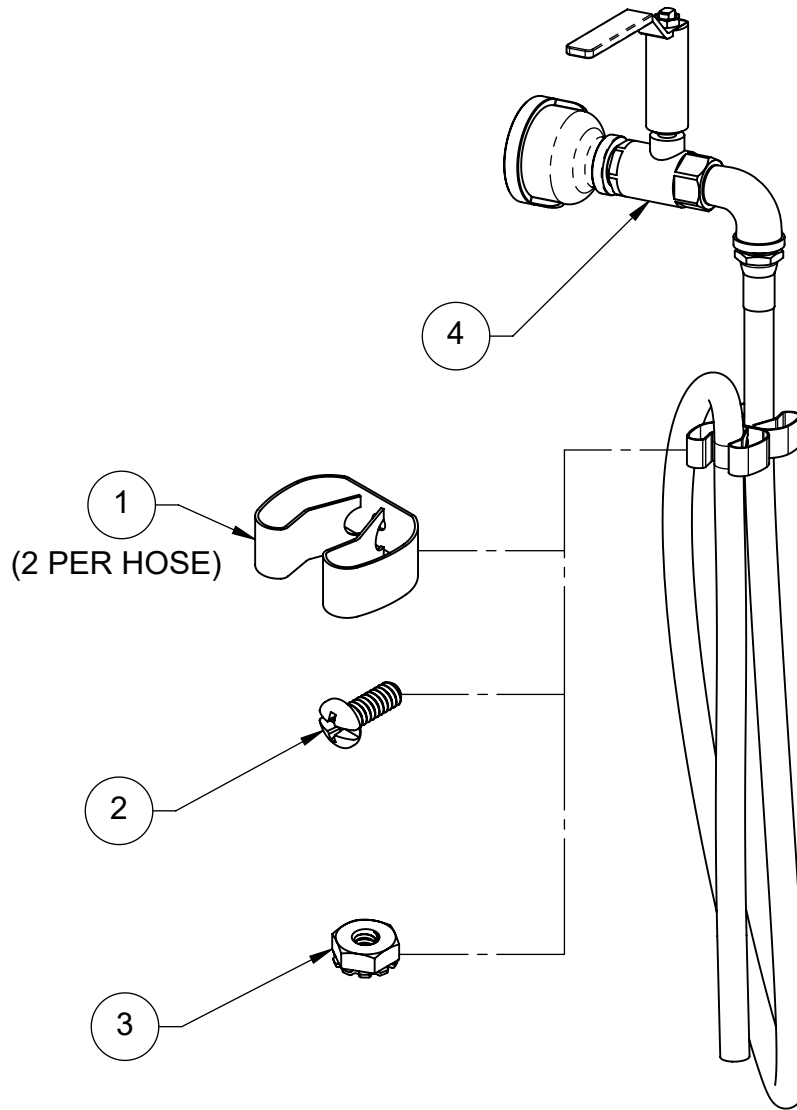
PROBLEM CONDITION


REPAIR CHECKLIST

1. No flow.	a.	Check the main shutoff valve.
	b.	Check for ice in the drench hose line.
2. Reduced flow.	a.	Check for ice in the drench hose line.
	b.	Verify minimum 30 psi (2 ATM) flowing supply line pressure.
3. Valve leaks in shutoff position.	a.	If leaking from the stem, tighten the stem packing.
	b.	If leaking through the hose, replace the valve.

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

ITEM	DESCRIPTION	PART NO.
1	HOSE CLIP (TWO NEEDED PER ASSEMBLY)	0310000389
2	HOSE CLIP SCREW (ONE NEEDED PER ASSEMBLY)	0310000387
3	HOSE CLIP NUT (ONE NEEDED PER ASSEMBLY)	0310000388
4	BALL VALVE WITH EXTENDED STEM & HANDLE	0110001054

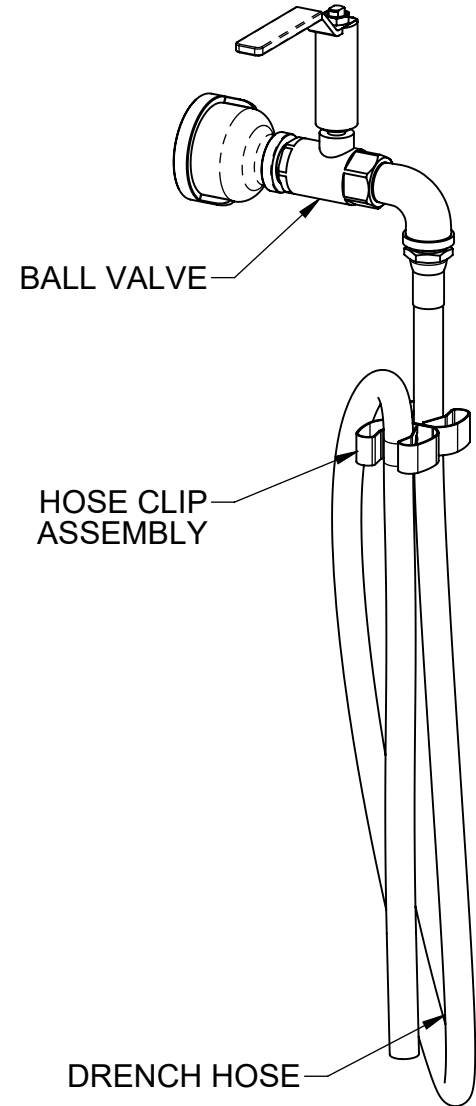
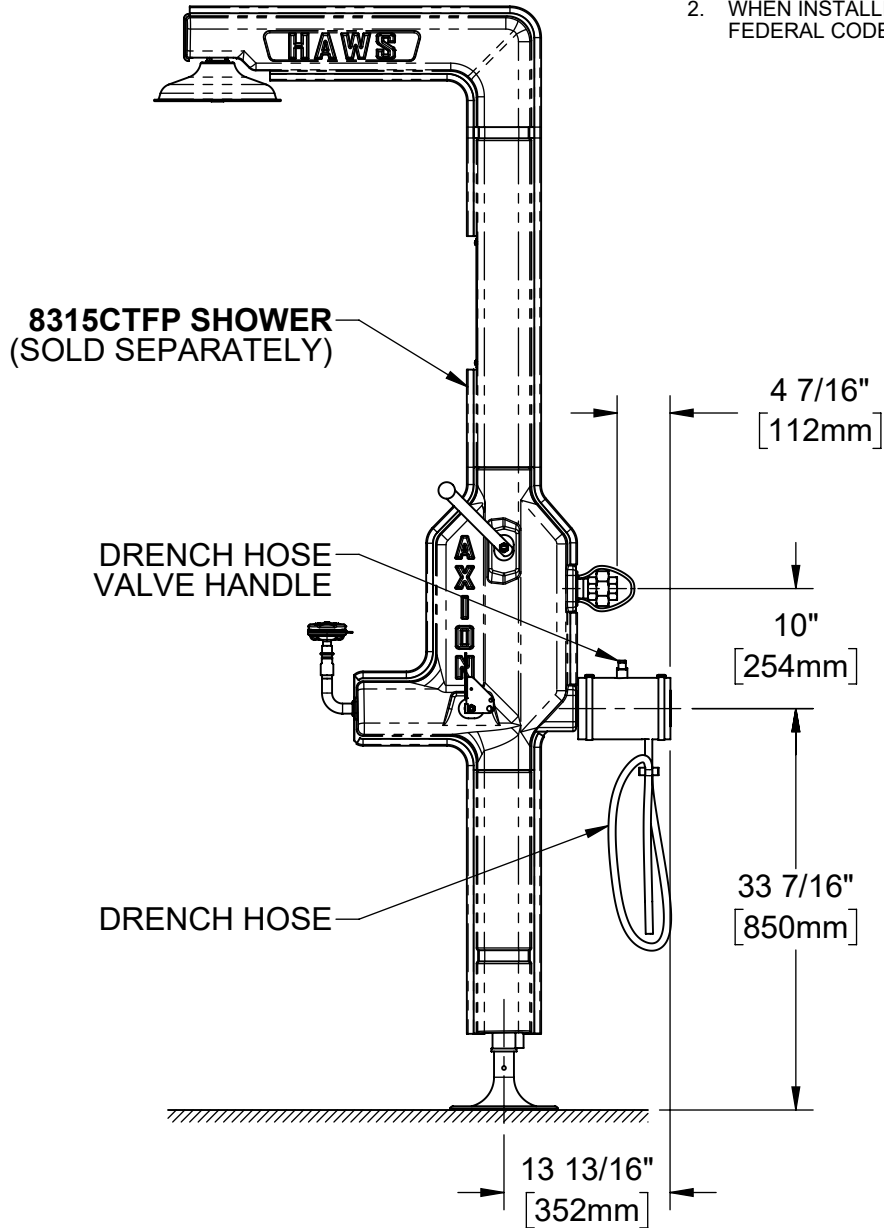


			1455 KLEPPE LANE SPARKS, NEVADA 89431 (775) 359-4712 FAX (775) 359-7424 E-MAIL: HAWS@HAWSO.COM WEBSITE: WWW.HAWSO.COM		
			ECN: 5578	REV. ECN: 5578	BY:
DRAWN:	DATE:	CHKD:	SP145 - DRENCH HOSE	0510001070	
APPROVED: BJM	DATE: 09/18/20	JL	SCALE: 1:4	REVISION	1
			DRAWING TYPE: PARTS BREAKDOWN	SIZE: A	SHEET 1 OF 1

WHEN ORDERING PARTS, PLEASE SPECIFY PART NUMBER

NOTES:

1. HOLD ROUGH-IN DIMENSIONS $\pm 1/4"$ (6.4mm).
2. WHEN INSTALLING THIS UNIT, LOCAL, STATE, OR FEDERAL CODES SHOULD BE ADHERED TO.



FACTORY-ASSEMBLED SECTION WITH HOSE CLIPS
(WITHOUT INSULATION, ZIP TIES, OR ADDITIONAL PLUMBING)

SP145 STANDALONE INSTALLATION
(FOR USE IN CONJUNCTION WITH THE SP121,
CONSULT THE SP121 DOCUMENTATION)

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		ECN: 5578	REV. ECN: 5578	BY: JL	MODEL(S) SP145 - DRENCH HOSE	PART NUMBER 0510001070.D
DRAWN: JL	DATE: 09/17/20	CHKD: JL		REVISION 1		
APPROVED: BJM	DATE: 09/18/20	SCALE: N/A	DRAWING TYPE: INSTALLATION	SIZE: A	SHEET 1 OF 1	