



# INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

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No. 2080325(6)

## Model SP158A

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

### LIMITED WARRANTY

HAWS® warrants that all of its products are 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 company 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, 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:**

**1-800-758-9378**

**(U.S.A. AND CANADA ONLY) MONDAY-THURSDAY: 6:00 A.M. – 4:00 P.M. PST  
FRIDAY: 6:00 A.M – 1:00 P.M. PST**

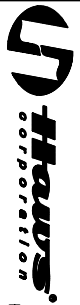
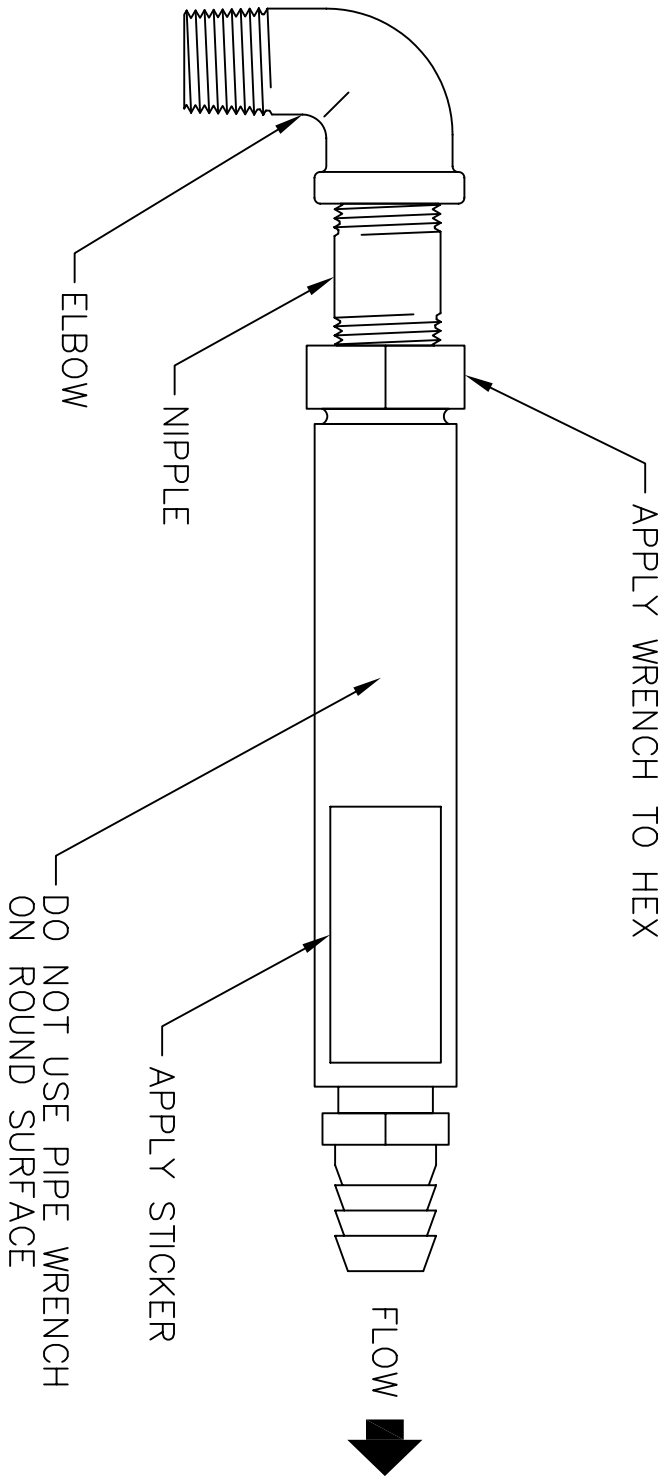
**INSTALLATION:** Locate valve(s) at opposite end from supply to bleed water throughout entire fixture under freezing conditions. For optimum freeze protection, minimize stagnant legs of standing water fixture. We recommend a maximum stagnant leg of 3 pipe diameters for uninsulated pipes and 6 pipe diameters for insulated pipes.

**IMPORTANT:** Protect bleed valve with “Y” strainer in supply line. Freeze protection is lost when valve is plugged; damage may occur. Flush lines before installing.

Valve cracks open at approximately 40° F (4° C) and will be fully open at 35° F (2° C). The valve will be fully closed above 45° F (7° C).

Once opened, the valve will discharge water colder than 40° F (4° C). To stop flow completely, the bleed valve must be warmed above 45° F (7° C).

**CAUTION:** Ball valve traps water inside ball of valve where water can freeze and damage valve. SP158A cannot prevent this. It is recommended that ordinary ball valves be replaced with three way ball valves or ball valves with a weep hole.



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FORM NO. 1	REVISION YEAR	REV.	MODEL(S):	PART NUMBER:
100	ECON. 3900	HM	SP158A	0002080325.D
DATE:	10/17/95	DATE:	INFO FAX DOC # 2771582	DRAWING NUMBER:
APPROVED:		SCALE: 1:1.5	DRAWING TYPE: INSTALLATION/BACKPACK	11851C00
				SIZE: A
				SHT. 1 OF 1