



**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. 0510001072 (2)

**Model SP157.15
Scald Protection Bleed Valve**

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 SP157.15 Scald Valve Protection Bleed Valve is intended for use only with the 8315CTFP series of emergency showers.
- *For a scald valve for use with other showers and eyewashes, please see Model 8901B or 8901RFK.*

ACTUATION TEMPERATURES:

- Valve begins to open at: 98°F (37°C)
- Valve is fully open at: 105°F (41°C)
- Valve will be fully re-closed at: 95°F (35°C)

Once opened, the valve will discharge water warmer than 95° F (35°C). To stop flow completely, the valve must be cooled below 95°F (35°C).

RECOMMENDED TOOLS AND SUPPLIES:

- Wire cutters
- Pipe wrench (both smooth-jawed and toothed, if possible)
- Tubing cutter (or similar means to cut through soft 11/16" OD tubing)
- Pipe joint sealant (*Loctite PST #567 recommended*)

INSTALLATION NOTES:

- Protect the valve with a y-strainer (20 mesh or finer) in the supply line. Scald protection* is lost when the valve is plugged or fouled; damage may occur. Flush lines before installing.
- Tubing, hosing, or piping is not supplied for the outlet of the valve beyond the shower drain tubing but may be used in order to direct the flow as desired. Ensure that any outlet plumbing is suitable for the high temperatures of the water that will pass through it.

*The Model SP157A valve is designed to discharge water warmer than 98°F, which helps to prevent the water from exceeding the high limit of 100°F specified in ANSI Z358.1. This limit was established by ANSI as the maximum temperature recommended to avoid potential eye damage during a mandated 15-minute flush period. This is, by design, a lower temperature than may be commonly considered "scalding" by contact with external skin surfaces.

Installation

STEP 1: Unboxing

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

- Scald valve assembly.....Step 3
- Barbed tubing tee.....Step 4
- Clear drain tubing piece.....Step 4
- Insulation tube.....Step 5
- 3 zip ties for insulation.....Step 5

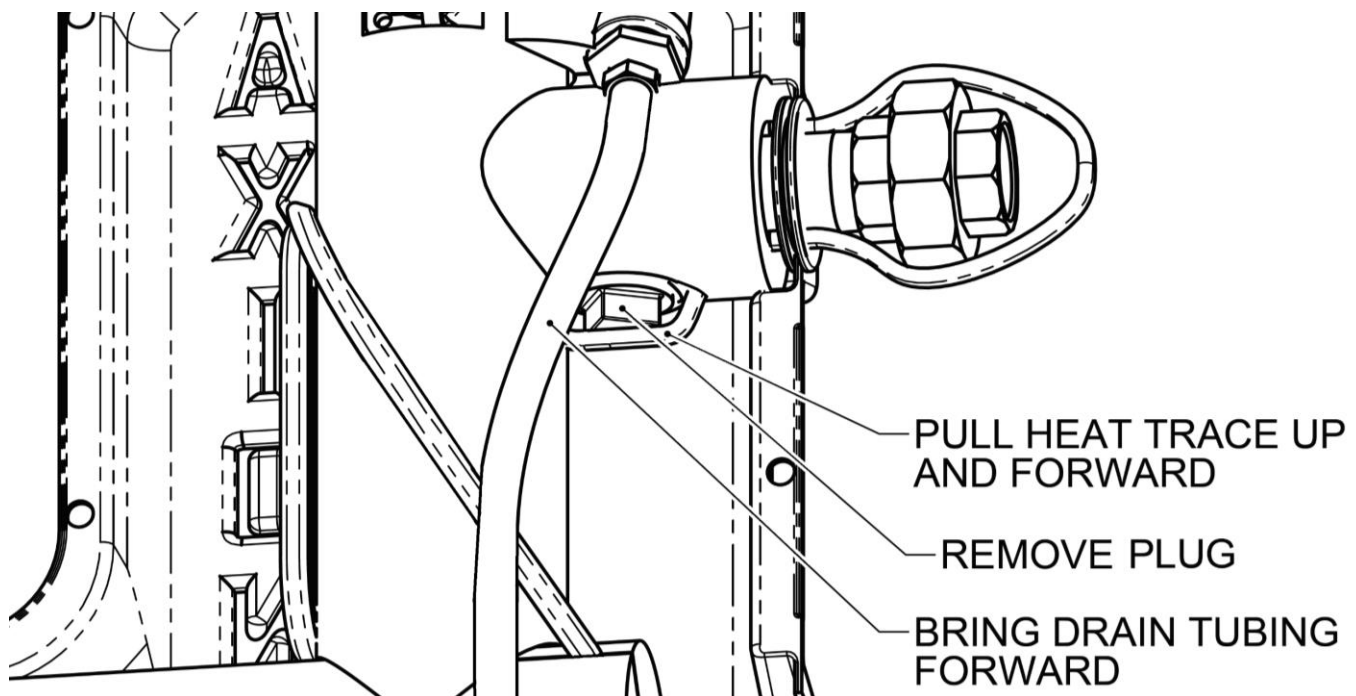
Installation Tip: It is easiest to install this assembly while installing the 8315CTFP-series shower itself; refer to the 8315CTFP O&M for details.

If this assembly is to be retrofitted into a completed shower, the lowermost jacketing, as well as 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, on the jacket segments in and below this area.
- Remove the eyewash push flag and the shower handle assembly so the jacket can slide off.

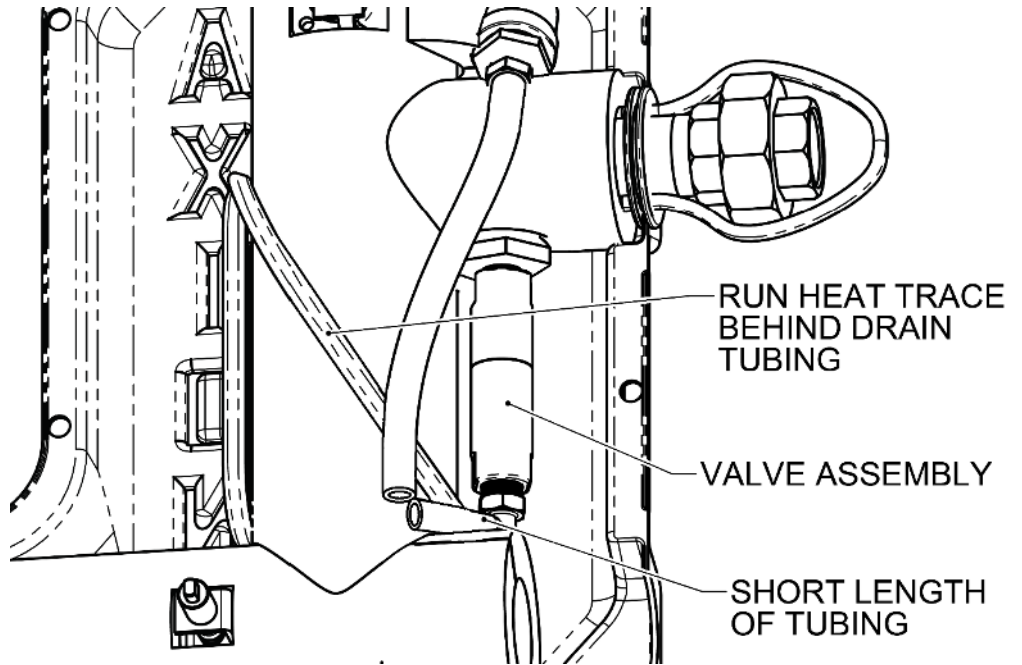
STEP 2: Plumbing Preparation

- Remove the small piece of insulation from the underside of the inlet plumbing within the shower jacket, by clipping the zip tie holding the insulation in place.
- Once this insulation is removed, a galvanized plug will be visible, with heat trace cable running along it. Pull this heat trace forward so it can rest along the side of the port, then remove and discard the plug.



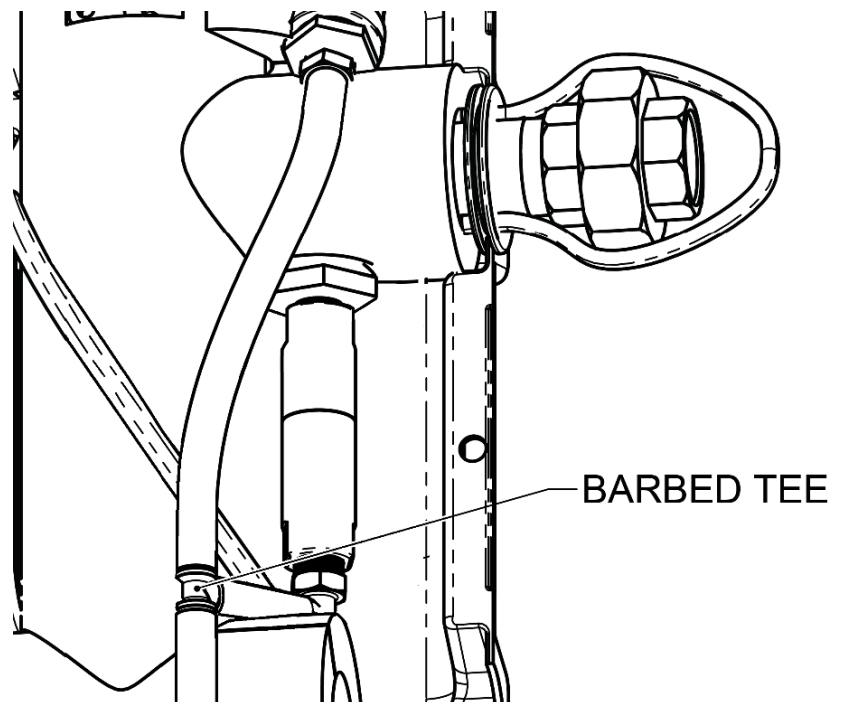
STEP 3: Valve

- a) Connect and seal the scald valve assembly (**use only the obvious wrench flats**), orienting the outlet elbow so that it effectively rests against the insulation. If a length of heat trace is running up the side of this insulation, make sure that it stays behind the scald valve elbow and tubing.
- b) Push the short length of clear tubing fully onto the barb of the outlet elbow.
- c) Make sure the shower jacketing in this area will fit fully over this new scald valve assembly. If necessary, put the jacket in place and make sure all the edges can easily touch the mating jacket edges. Adjust the angle of the scald valve assembly as needed.
- d) Pull the shower's clear drain tubing out from between the shower plumbing and the shower jacket and place it temporarily so it is touching the end of the short tubing length.
- e) Cut the shower's drain tubing where it meets the centerline of the short tubing.



STEP 4: Drain Tubing

- a) Pressurize the shower and check for leaks.
- b) Push the end of the drain tubing which was just cut fully onto the bottom barb of the barbed tubing tee. Push the new end of the upper drain tubing fully onto the top barb. Finally, push the end of the short length from Step 2 fully onto the side barb.



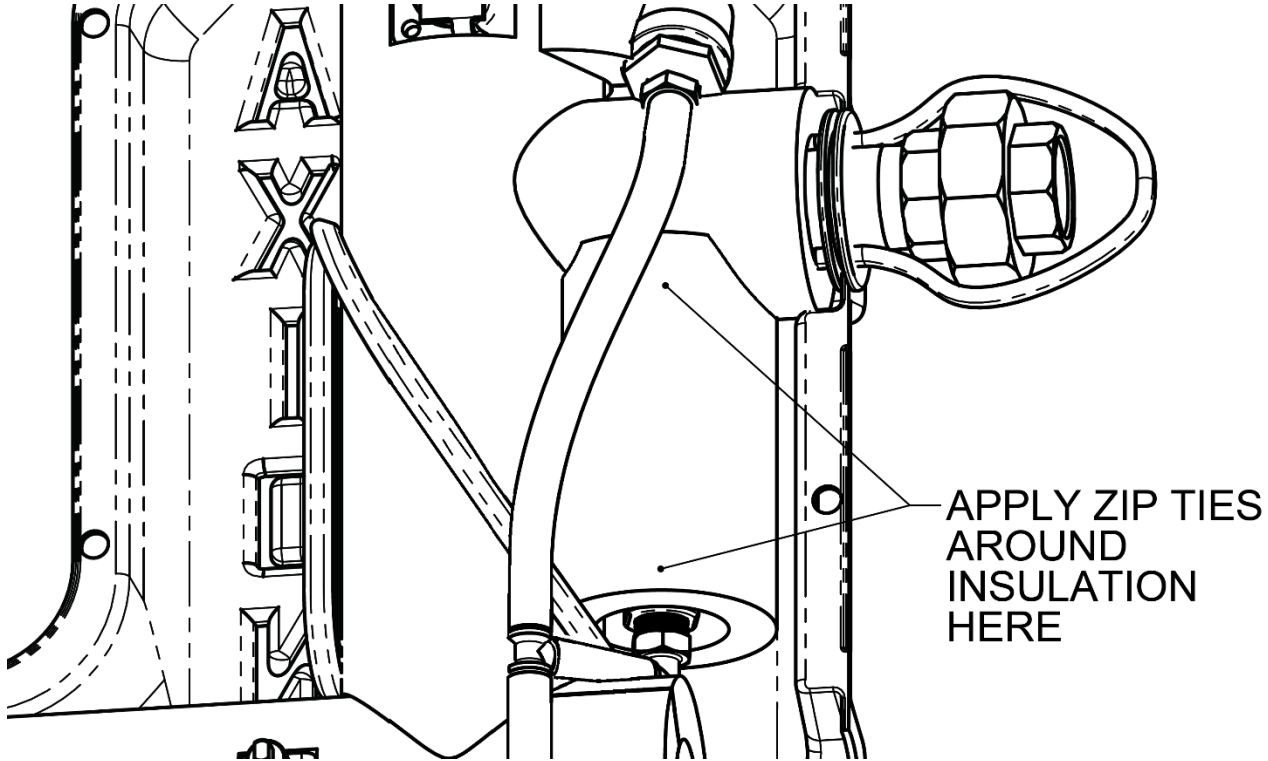
WARNING:

Make sure this new drain tubing assembly is oriented such that both the shower drainage and the scald valve drainage can exit the tubing without pooling.

Make sure the drain tubing is situated such that it ends below the jacketing and does not get kinked or pinched at any point between the jacketing and the insulated plumbing when the jacketing is installed.

STEP 5: Insulation

- a) Place the insulation around the scald valve, with the radiused end pointing upward and around the inlet plumbing insulation.
- b) Use both the integral adhesive strips on the insulation to close it up.
- c) Use the zip ties to further secure the new piece. Tighten each zip tie only enough to close the insulation around the plumbing.



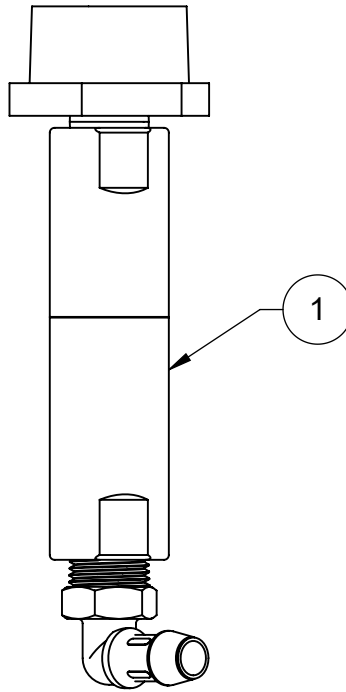
CLEANING INSTRUCTIONS:

1. Safely perform any required steps to release water pressure from the shower system.
2. Remove the valve and take it to a faucet with clean hot running water.
3. Use a pair of adjustable pliers (or other suitable device) to hold the valve under hot (not to exceed 140°F) running water for several minutes, turning the valve all around to distribute the heat.
4. Occasionally direct the flow into either end of the valve, until the thermostat opens, and the valve allows flow through it.
5. While the valve is warmed and open, direct flow through the valve in both directions and observe any debris (hair, PTFE tape, rust, debris, etc.) that may exit the valve. If no water can be observed flowing through the valve after 10 minutes of sustained warming above 110°F, the valve may be defective and require replacement.
6. Cool the valve by running cold water over and through the valve until the valve closes and no flow can be observed running through the valve.
7. Safely return the valve to service and check for unexpected leaking.

TROUBLESHOOTING	
PROBLEM	REPAIR CHECKLIST
1. Valve drips continuously regardless of temperature.	1a. Debris is likely caught between the plug and seal, or the seal is damaged. See Cleaning Instructions above to attempt to remove debris. b. Replace the valve.
2. Valve dribbles unexpectedly.	2a. Review Actuation Temperatures above carefully, then use a thermometer to measure the temperature of the water draining from the valve. If the water draining from the valve is at or above approximately 95°F, the valve is operating properly and will shut off when the temperature of the water in the pipe drops below 95°F. b. Replace the valve.
3. Valve does not open regardless of suspected hot water temperature.	3a. The mechanical thermostat in this valve is simple and robust, so such thermostat failures are rare but possible. Confirm there is flowing water pressure to the valve inlet (y-strainer or some other component upstream is not clogged or turned off). b. See Cleaning Instructions above to attempt to remove debris. c. Replace the valve.
4. Valve is plugging or fouling easily.	4a. Follow Cleaning Instructions above and install a mesh strainer (20-mesh or finer) or an equivalent particulate filter upstream of the valve. b. Consider removing the valve and installing it backwards. This will help minimize plugging and fouling issues. NOTE: This will change the function of the valve such that it opens based on ambient temperature, rather than water temperature. This may cause the valve to open more frequently in hot climates. WARNING: If the conditions of your installation allow for the possibility that the water can overheat for reasons other than ambient heat, reversing the valve in this manner is NOT recommended. c. 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.

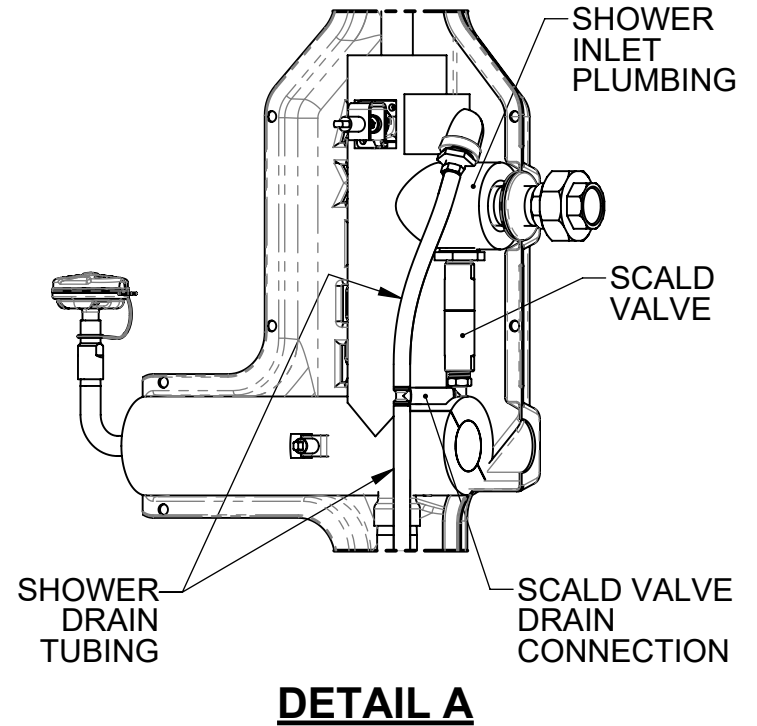
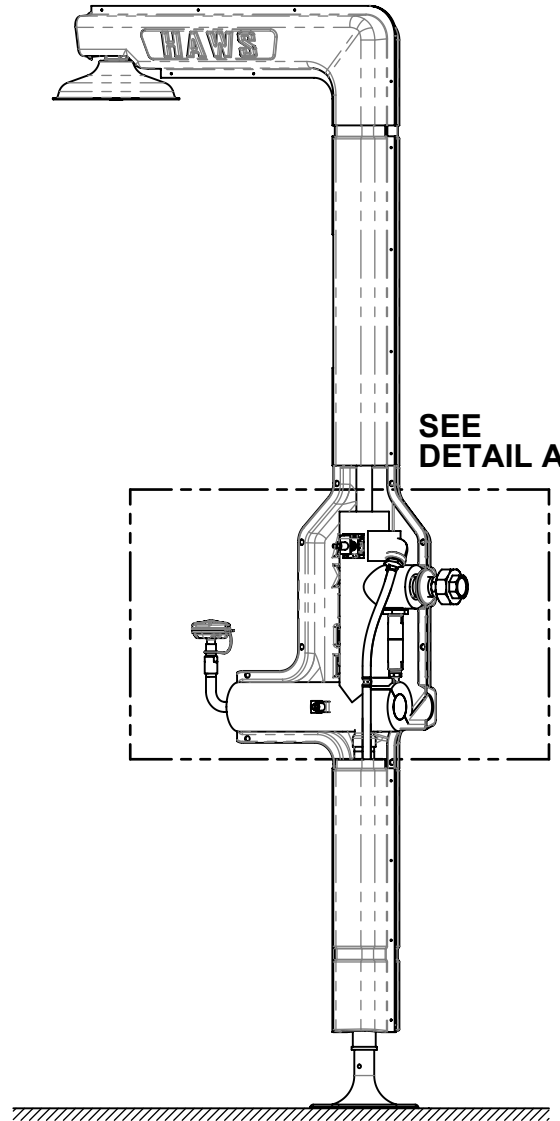
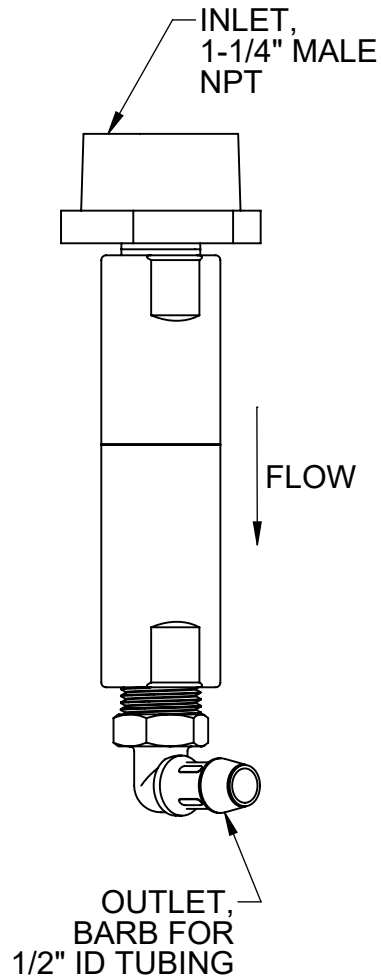
ITEM	DESCRIPTION	PART NO.
1	SCALD PROTECTION BLEED VALVE (VALVE ONLY)	SP157A



PARTS BREAKDOWN

WHEN ORDERING PARTS, PLEASE SPECIFY PART NUMBER

			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: 5660	BY: FV
DRAWN: JL	DATE: 09/17/20	CHKD: DP	SP157.15 - SCALD PROTECTION BLEED VALVE	0510001072	
APPROVED: FV	DATE: 03/31/21		SCALE: 1:2	DRAWING TYPE: PARTS BREAKDOWN	
			SIZE: A	SHEET 1 OF 1	



8315CTFP SHOWER (SOLD SEPARATELY)
 (SP157.15 INSULATION & CERTAIN SHOWER COMPONENTS ARE HIDDEN FOR CLARITY)



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: 5578	REV. ECN: 5660	BY: FV	MODEL(S): SP157.15 - SCALD PROTECTION BLEED VALVE	PART NUMBER: 0510001072.D
DRAWN: JL	DATE: 09/17/20	CHKD: DP		REVISION: 2
APPROVED: FV	DATE: 03/31/21	SCALE: N/A	DRAWING TYPE: INSTALLATION	SIZE: A SHEET 1 OF 1