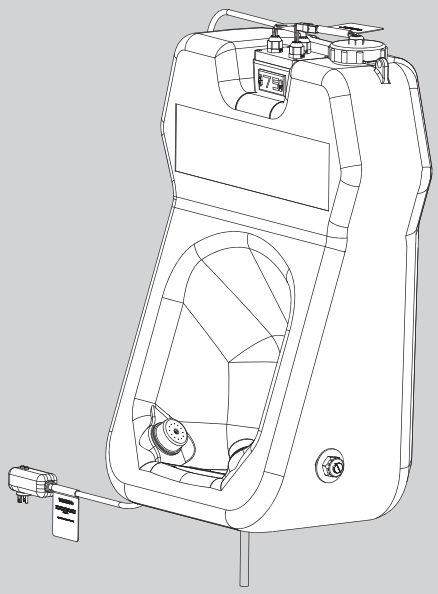
INSTRUCTIONS FOR MODELS

SE-4930
GRAVITYFLO™
Freeze Protected Jacket



NEED HELP?

For additional assistance or service please contact:

SPEAKMAN® Company
400 Anchor Mill Road
New Castle, DE 19720

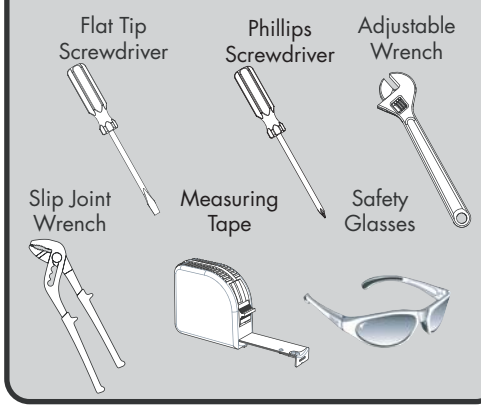
800-537-2107

customerservice@speakman.com

www.speakman.com

92-SE-4930-01

TOOLS AND SUPPLIES



⚠ IMPORTANT ⚠

Product is designed to be used indoors and outdoors.

When mounted in outdoor conditions, product must be in a covered area and not directly exposed to outdoor elements such as rain and snow.

ANSI Z358.1 requires that all self-contained eyewash shall be visually inspected weekly, unless the product is placed in environments with extreme conditions that may affect the form, fit, or function of the unit (temperature, dirt, etc.). If this is the case, then the inspection should be conducted more often as the end user deems necessary. Speakman Company furnishes a testing record tag (91-0635) with each unit. On this tag, the date of inspection and the inspectors' initials should be noted. ANSI Z358.1 specifies that the height of the spray heads is to be between 33" - 45" from the floor. The SE-4330 unit weighs approximately 185 lbs filled. Ensure the mounting surface (wall, etc.) and mounting hardware can safely hold a minimum vertical load of 300 lbs. Be sure to read instructions thoroughly before beginning installation. Do not overtighten any connections or damage may occur. The unit should be full at all times, to achieve the minimum 15 minute run time as stated by ANSI, in case of an emergency. Refill the tank to a full level after each activation. Before refilling tank dry and clean outside of spray heads, and inside of pull strap to remove debris, and to assure proper sealing.

WARNING: This units maintains the water temperature within the tepid range of 60-90 F. Depending on the water temperature within the tank and the ambient conditions, it may take up to 24 hours for the water temperature to reach the tepid range during initial start-up. If noted during inspection the water temperature is outside that range, the product should be taken out of service and the condition troubleshooted.

SAFETY TIPS

Be sure to wear eye protection during assembly and mounting.

MAINTENANCE

Always disconnect power while servicing the unit and allow the unit to cool down before filling with water.

Occasional cleaning and disinfection is recommended. To clean the inside of the unit, add 1/2 cup (4 fluid oz.) of Clorox (liquid bleach) to a full tank of potable water. Allow the mixture to penetrate for 15 minutes. Drain tank, and rinse thoroughly several times with potable water. Take care to not overtighten drain cap as damage may occur. For further information about Clorox, call toll-free at 1-800-292-2200. Follow refilling instructions in this manual and place the tank back in service. Should any repair part be required, use only genuine SPEAKMAN parts for repair or replacement. See available replacement parts in this document, to order parts call 1-800-537-2107.

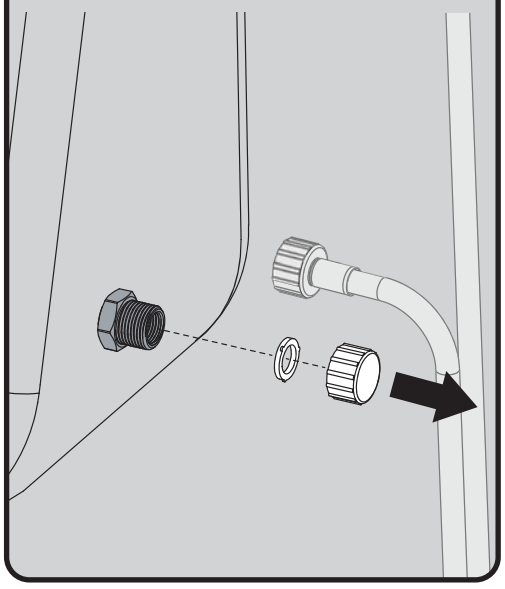
As part routine inspection, the unit shall be checked for adequate water level. (Within 5" of the top cap)

WARRANTY

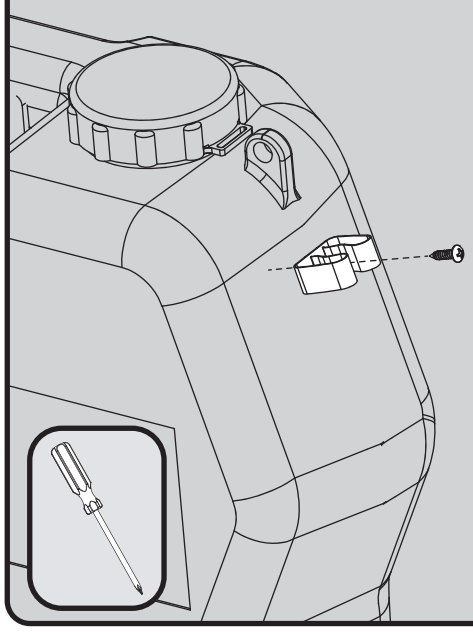
3 Year Limited Warranty

Additional warranty information can be found at: www.speakman.com

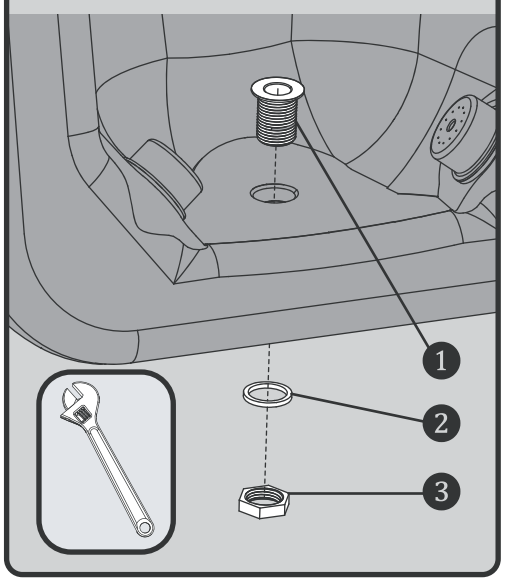
1 Remove the Drain Plug or Drench Hose (if equipped) and drain the unit completely.



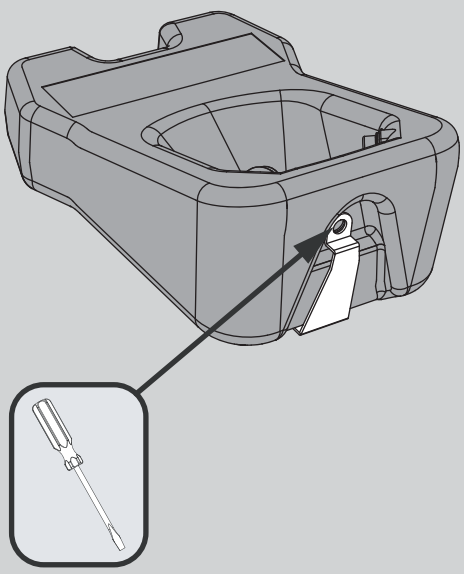
2 If your unit has as Hose Clip installed, remove it at this time. Reinstall the self tapping screw to seal hole.



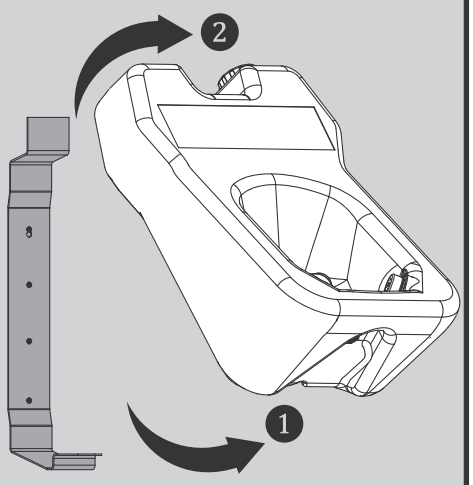
3 Disassemble drain parts from unit. Remove Drain Nut (3) with wrench. Remove Drain Washer (2) from threading of the Drain Fitting. Remove Drain Fitting (1) through openings in the Tank and Wall Bracket.



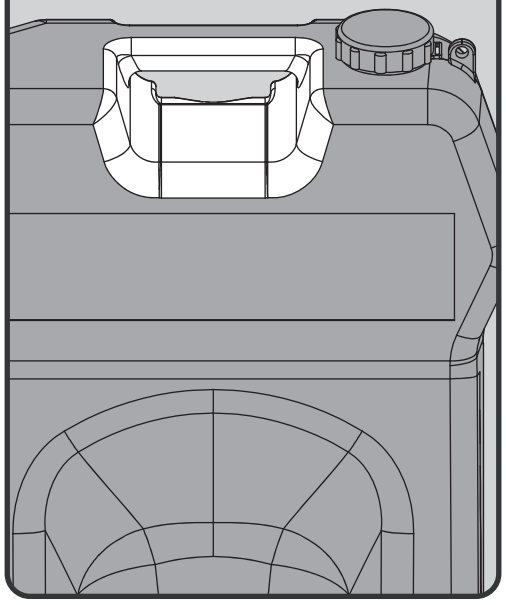
4 Using a screwdriver, pry the lower portion of the Wall Bracket away from the recess on the Tank.



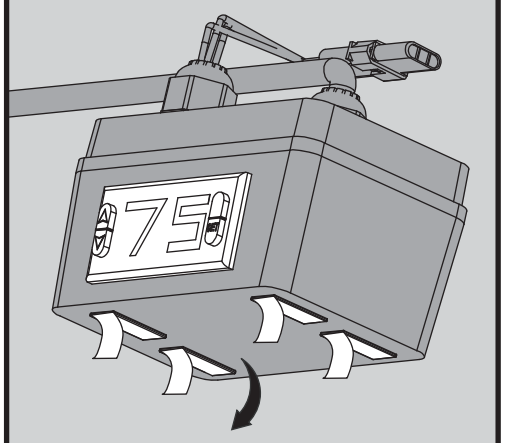
5 Remove the empty Tank from the Wall Bracket completely. Unsnap the Wall Bracket from the recess of the bottom of the Tank (1). "Unhook" the top of the handle of the Tank from the Wall Bracket (2).



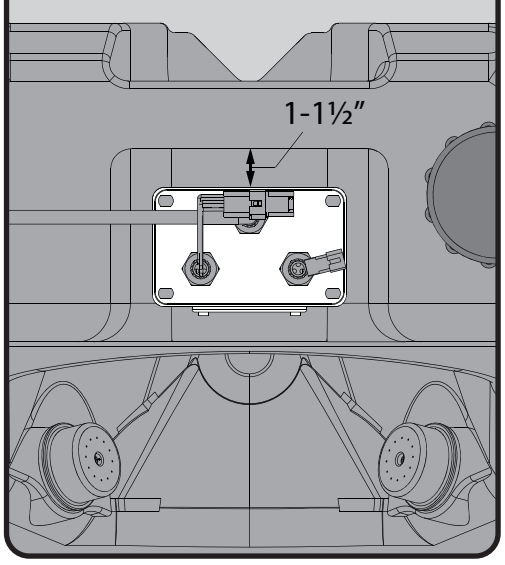
6 Thoroughly clean and ensure the top area of the tank is free of dirt and debris before adhering Electronic Controller Box to handle area.



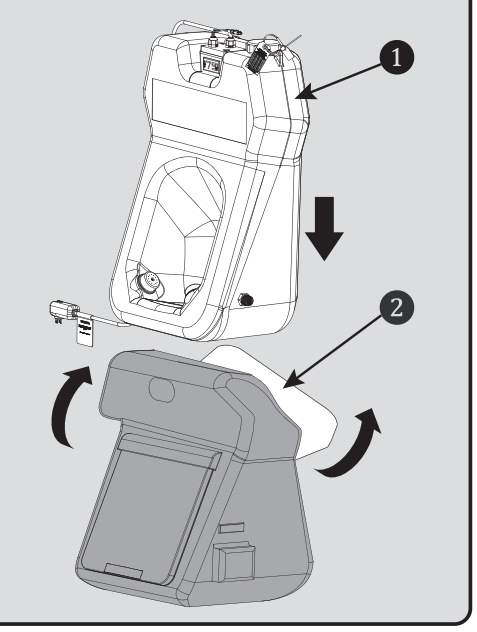
7 Remove Tape Release Liner (x4) on bottom of Controller Box to expose tape.



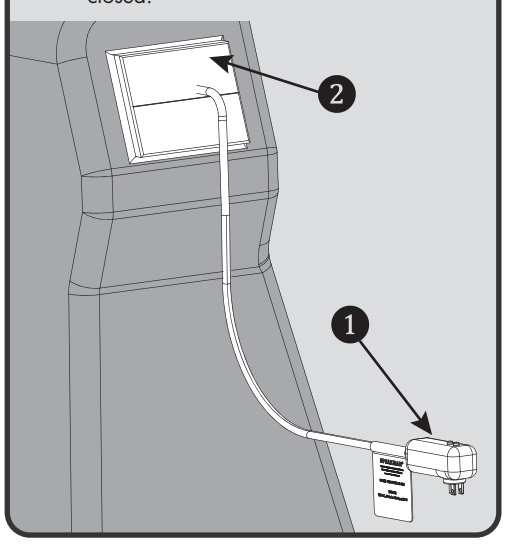
8 Ensure Digital Read Out Interface is facing forward. The control box should be placed 1 - 1 1/2" from the handle to allow for clearance of the mounting bracket.



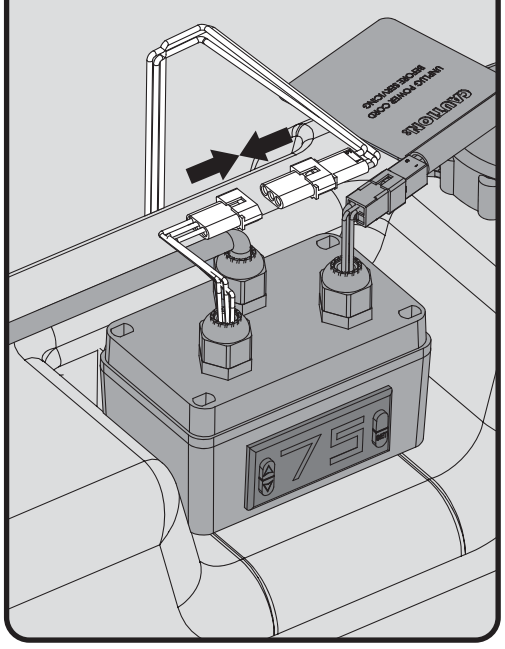
9 Slide Tank Assembly (1) into Heated Jacket (2) and assure the heating pad is not folded and lying against the tank.



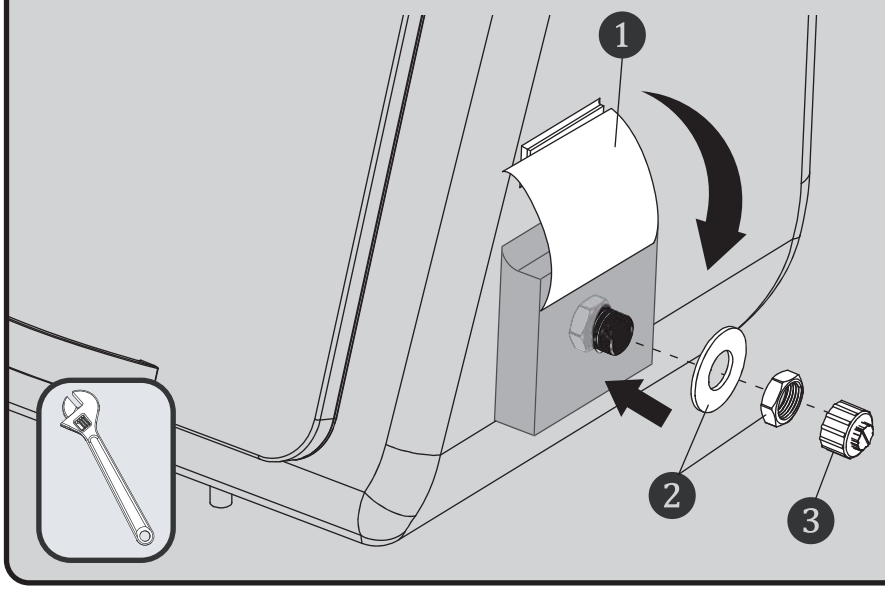
10 Place Power Supply Cable (1) inside of Tank Jacket. Pass the AC cord through the Jacket Access Panel (2) located on the upper left side panel. Verify AC plug adapter is fully extended through the Jacket (2). Velcro Jacket Access Panel closed.



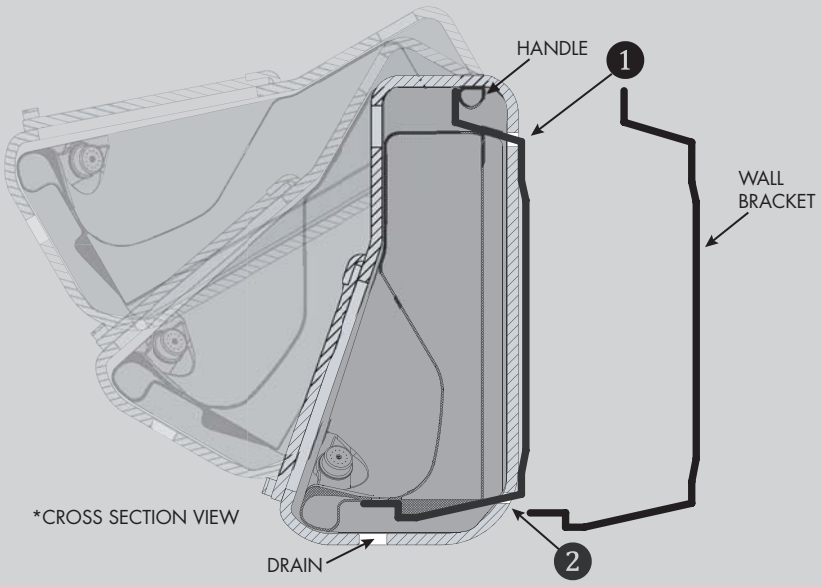
11 Connect 3 Pin Wiring Harness from Jacket to Controller.



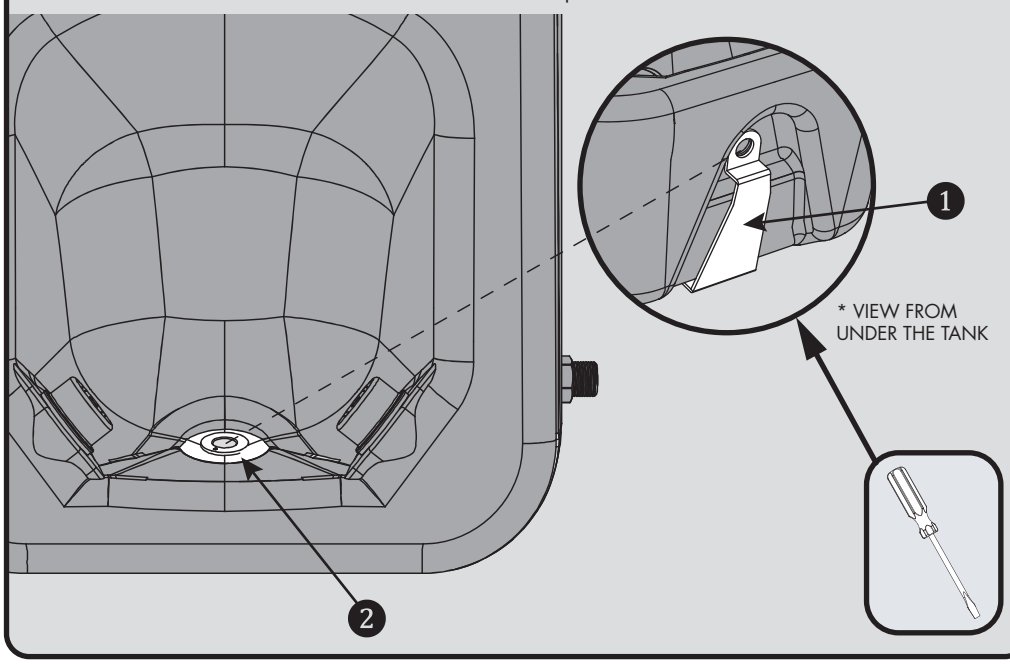
12 Place Side Drain through access hole in jacket and secure with supplied Support Washer and Drain Nut (2). Wrench tighten. Take care to not over tighten connection as damage may occur. Hand tighten Drain Cap (3). Close Flap (1).



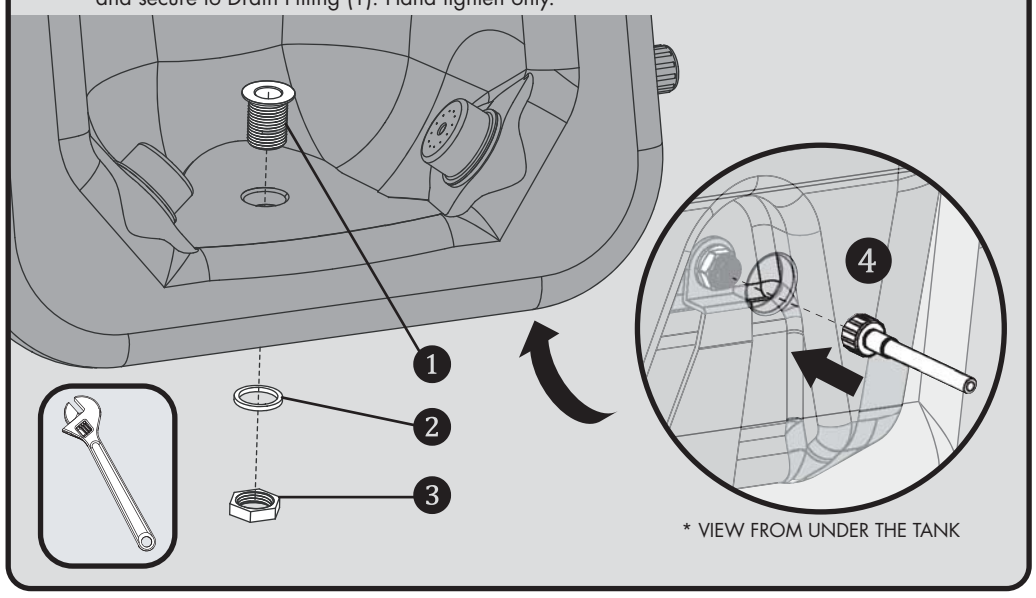
13 Install empty Tank to Wall Bracket by first inserting "hook" on the top of the bracket through the Jacket Slot located at the upper rear of jacket and into the handle of the Tank (1). Lower the Tank inserting the lower bracket section through the Jacket Slot and under the Tank. Push the Tank towards the bracket until the Wall Bracket snaps into the recess at the bottom of the Tank (2).



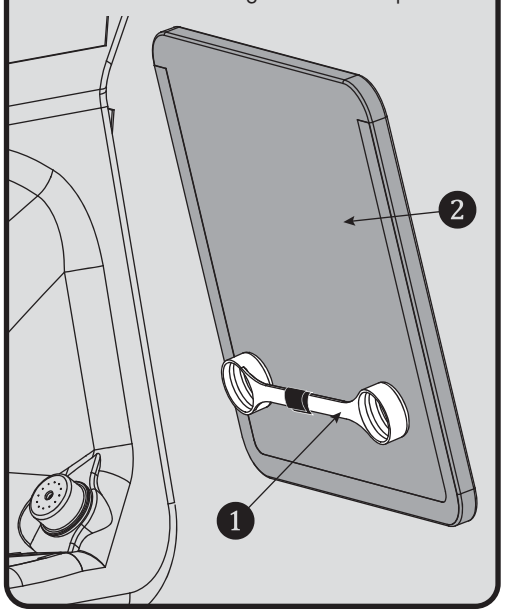
14 Use a flat head screw driver to ensure that the Bracket (1) and the tank's Drain Hole (2) align. The Front Access Panel will need to be removed for this process.



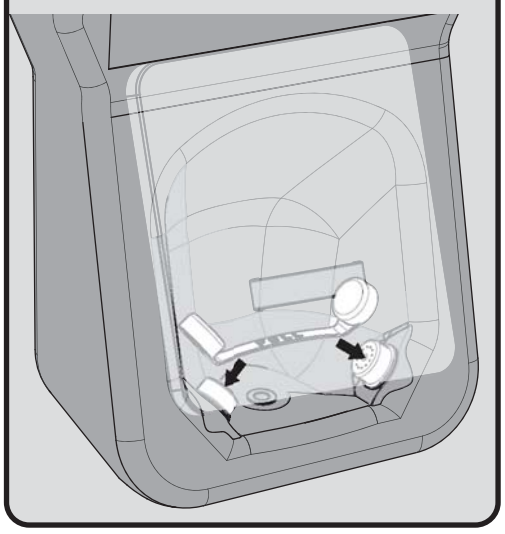
15 Insert Drain Fitting (1) through openings in the Tank and Wall Bracket. From below, reaching between the Jacket and the Tank, install Drain Washer (2) and Drain Nut (3) to threaded portion of Drain. Wrench tighten. Take care to not over tighten or damage may occur. Retrieve Drain Hose (4) from parts accessory bag. Slide threaded Drain Hose (4) through hole in Jacket bottom and secure to Drain Fitting (1). Hand tighten only.



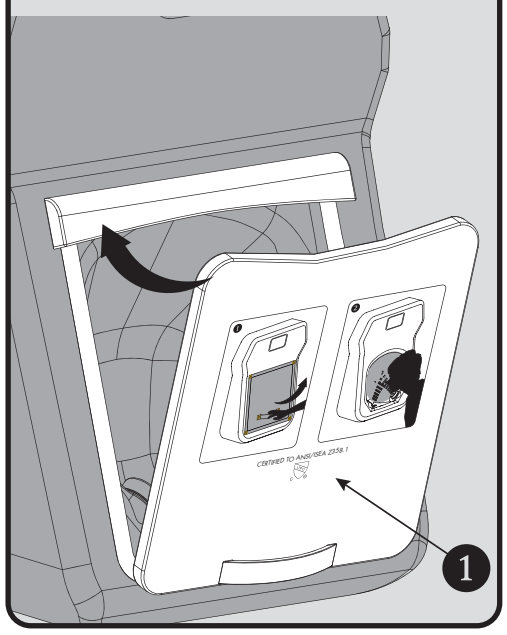
16 Remove the Activation Pull Strap (1) from the Tank. Secure Activation Pull Strap to backside of Front Access Panel (2) as shown below using the Velcro straps.



17 Install the cups of the Activation Pull Strap over the Spray Heads individually, pressing firmly until they are fully seated. Ensure that the Activation Pull Strap is still connected to the Front Access Panel as shown in previous step.



18 Realign front removable Panel (1) to Jacket from the bottom up. Tuck the top edge of the panel under the Jacket Flap.



⚠ IMPORTANT ⚠

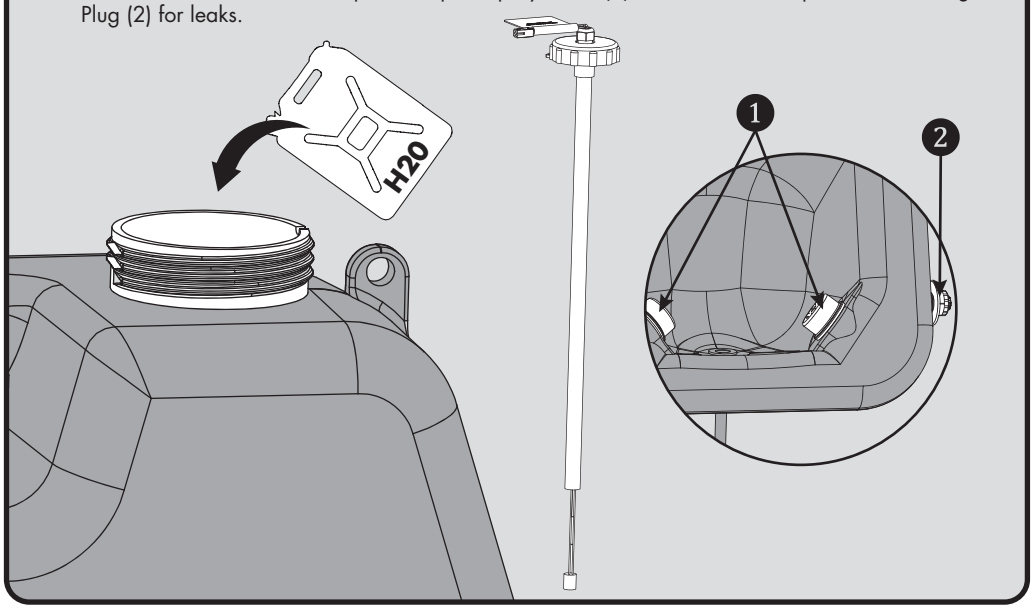
Self-contained eyewash equipment shall be visually checked frequently to determine if flushing fluid needs to be changed or supplemented. Frequency of these inspections is dependent on environment conditions, but at a minimum weekly. Failure to conduct visual checks could lead to further injury.

Customer shall take precautions to help prevent the growth of potentially harmful bacteria in eyewash tanks. Either of the following procedures is recommended.

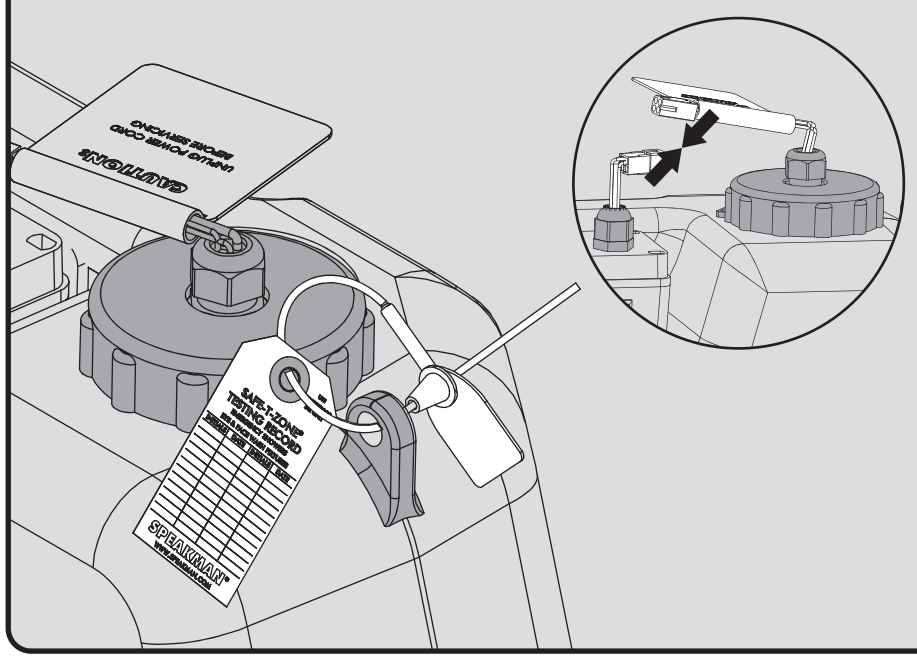
Procedure 1: Use suitable Bacteriostatic preservative to help prevent growth of bacteria in eyewash tank. Eyewash tank should be drained, flushed and refilled with clean potable water and Bacteriostatic preservative added as directed by the preservative's manufacturer.

Procedure 2: Drain, flush and refill units with clean potable water at least once every week unless site conditions require more frequent changing. Thoroughly cleanse tank at least once every month. See "Maintenance" Section for further information of cleaning unit.

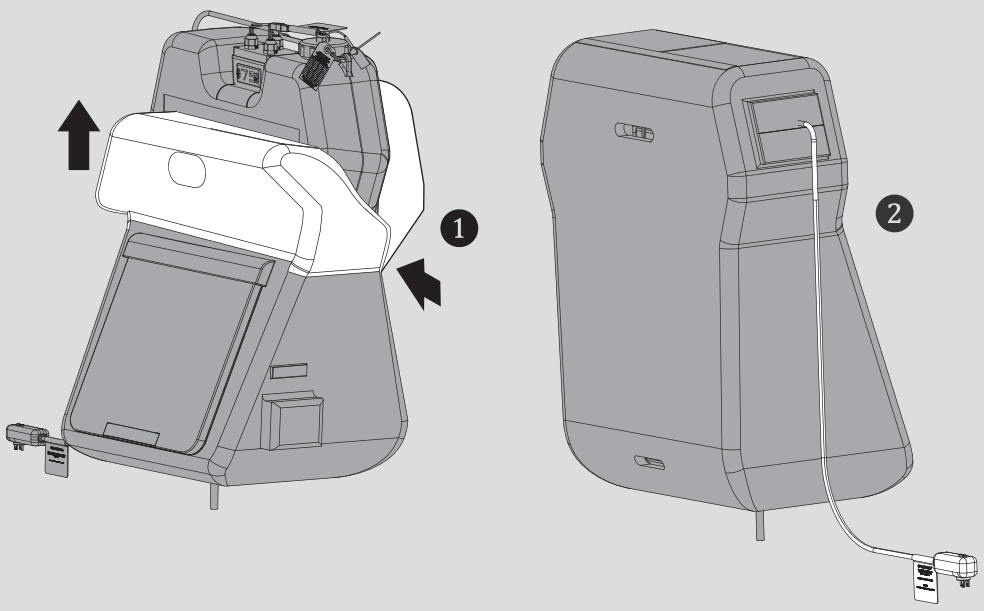
19 Remove existing Fill Cap. Fill the Tank with potable water (approximately 20 gallons). Failure to use potable water can result in emergency units producing impure or contaminated water, possibly causing further injury. Install new thermocouple feed tube and Tank Fill Cap Assembly. Pull back top corner of Activation Panel Flap and inspect Spray Head (1) area for leaks. Inspect Side Drainage Plug (2) for leaks.



20 Secure Fill Cap to Tank with Tamper Evident Seal Tie. Connect Wiring Harness to Controller. Update and secure the Maintenance Tag to the Tank in a location where it can be easily checked.



21 Zip up open portion of Jacket (1). Verify all wiring is within Jacket and not kinked. Verify AC Plug Adapter is fully extended through the Jacket (2). Velcro close the flap.



22 Plug the unit into the power supply.

AC Electrical Supply

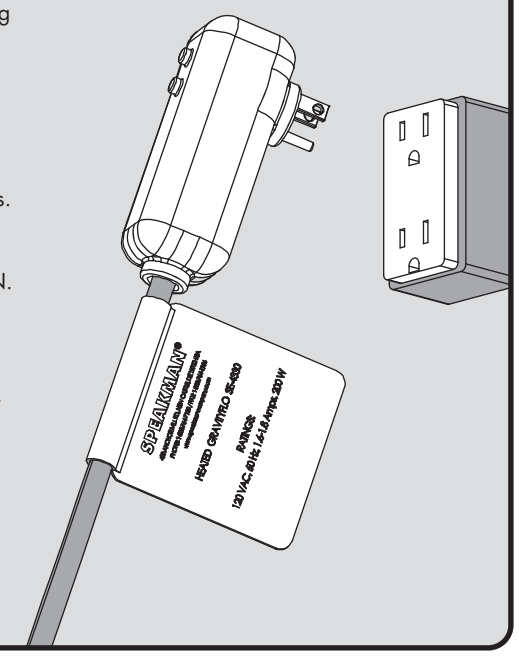
The Ground Fault Circuit Interrupter (GFCI) plug is to be used in accordance with appropriate electric codes and regulations. Use this device with a grounded circuit receptacle rated at 120VAC, 15A.

The GFCI device protects against current leakage caused by ground faults only. It does not protect against over current or short circuits.

TEST INSTRUCTIONS

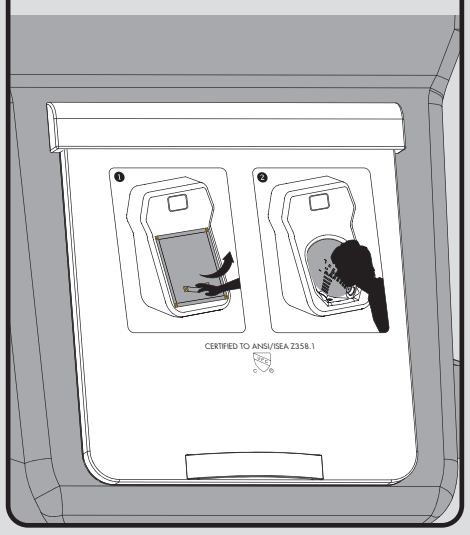
1. Plug device into receptacle.
   a. AUTO-RESET devices: Pilot light goes ON.
2. Press TEST button – Pilot light must go OFF.
3. Press RESET button and release – Pilot light must go ON for use.

CAUTION: Do not use this device if above test fails. Test unit before each use.

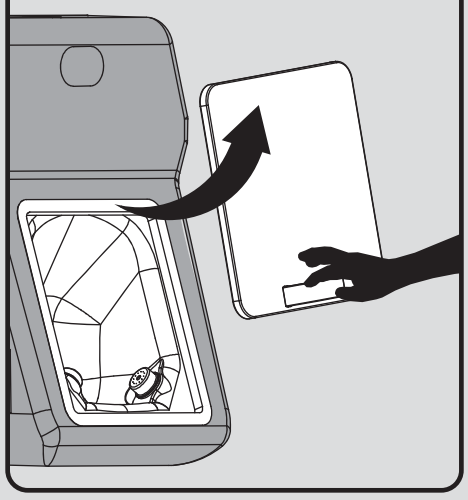


ACTIVATION INSTRUCTIONS

STEP 1: Follow instructions shown on the front of the jacket Access Panel.



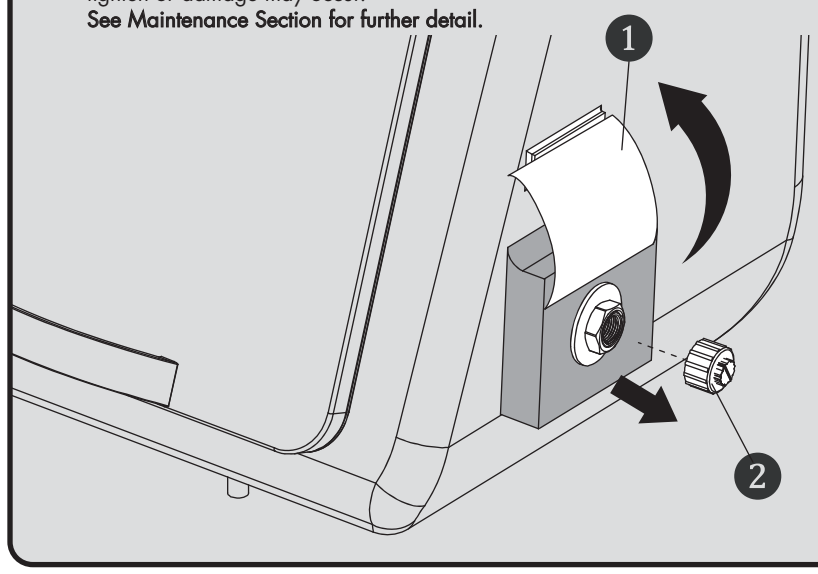
STEP 2: To activate the flow of water, firmly remove the front panel as shown. Fully removing both covers from the Spray Heads.



FOR DRAINING AND MAINTENANCE

To periodically drain the unit, Lift Flap (1) and velcro in place. Remove the Drain Plug (2). Once all water is removed, reinstall the Drain Plug and hand tighten into position. Take care to not over tighten or damage may occur.

See Maintenance Section for further detail.



SE-4930 CONTROLLER INTERFACE

Heater Temperature Controller Model ED330

SPEAKMAN®

*** CONTROLLER SETTINGS ARE PRE-SET FROM FACTORY ***

NOTE: During initial startup, the water temperature may not be in the tepid range (60-90 F). Once plugged in, the heating unit will warm the temperature up to the tepid range. Depending on the water temperature within the tank and the ambient conditions, it may take up to 24 hours for the water temperature to reach the tepid range.

AC Electrical Supply

The Ground Fault Circuit Interrupter (GFCI) plug is to be used in accordance with appropriate electric codes and regulations. Use this device with a grounded circuit receptacle rated at 120VAC, 15A.

The GFCI device protects against current leakage caused by ground faults only. It does not protect against over current or short circuits.

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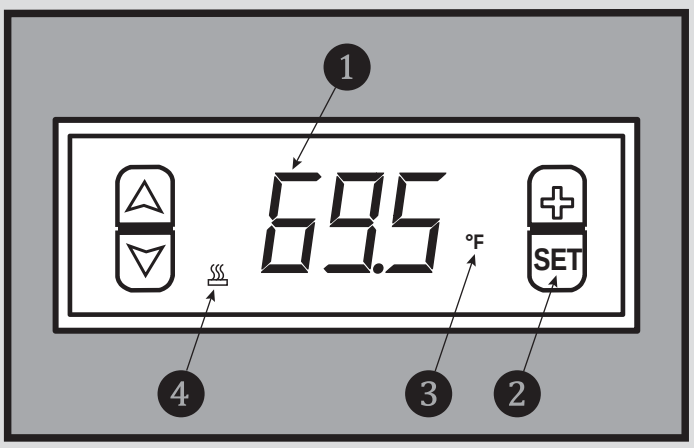
CAUTION: Do not use this device if above test fails. Test unit before each use.

NORMAL DISPLAY MODE



1. CURRENT WATER TEMPERATURE
2. TEMPERATURE SET BUTTON
3. TEMPERATURE UNITS
4. HEATER ON INDICATOR

Default Settings:

SET Point = 75° F

Lower Limit = 60° F

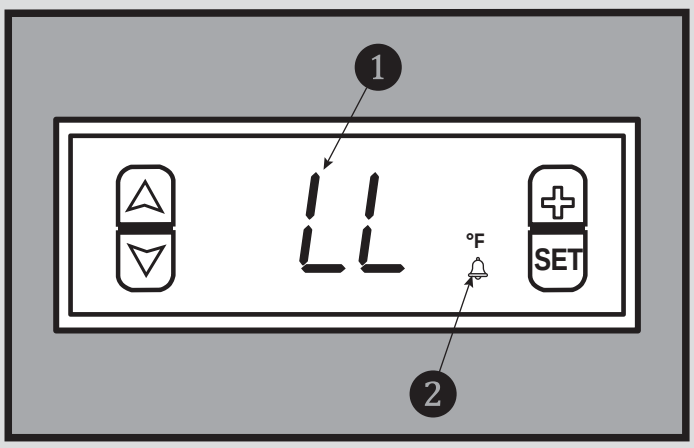
Upper Limit = 90° F

Turn unit on: Current / Actual water temperature will be displayed (1).

Temperature units to be in Fahrenheit (°F) (3).

Heating function indicator displayed means heater is on (4).

FAILURE MODE



1. FAILURE INDICATOR DISPLAY
2. FLASHING ALARM INDICATOR

When the thermostat is disconnected or open circuit is detected, "LL" (1) is displayed and alarm LED (2) will flash.

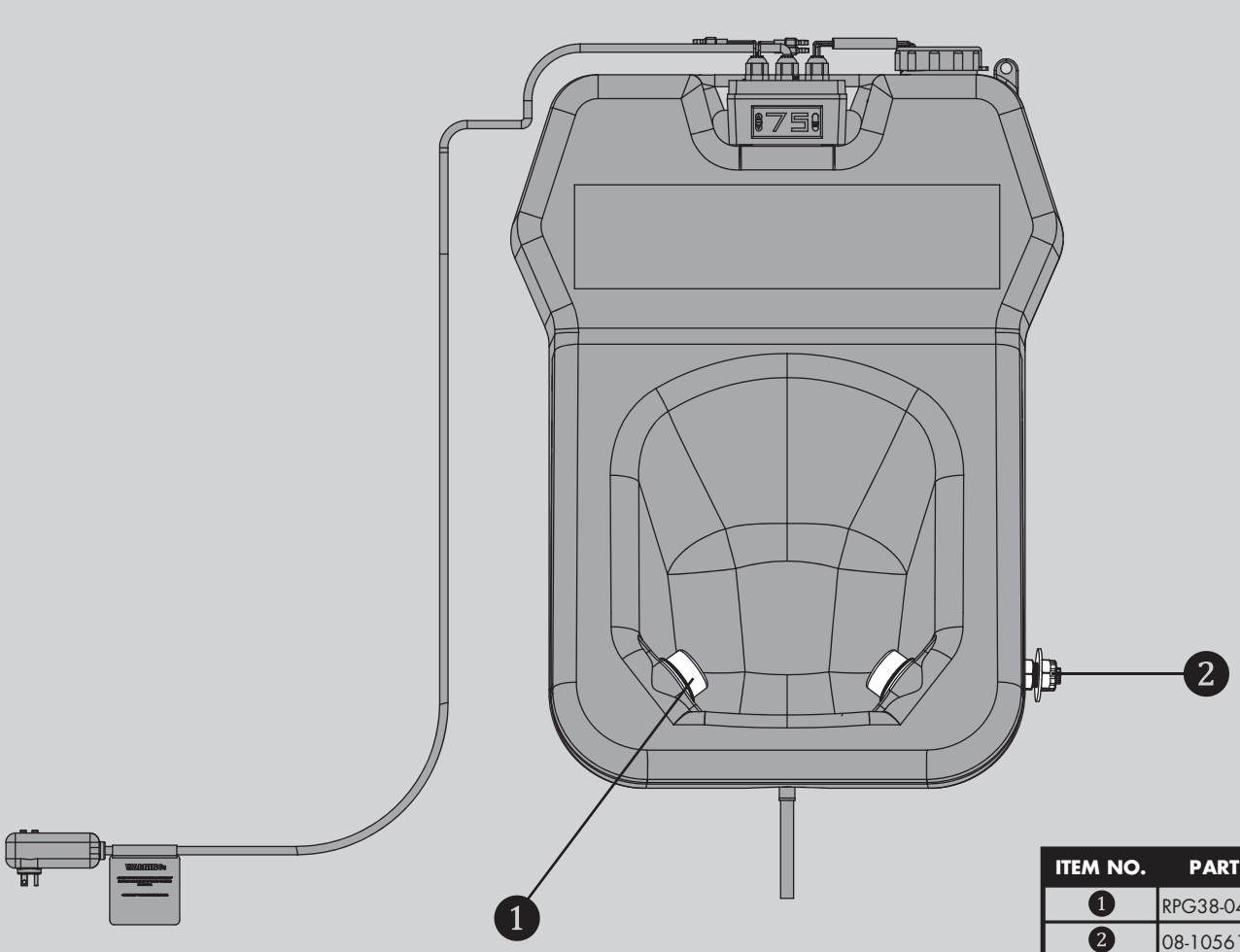
TROUBLESHOOT

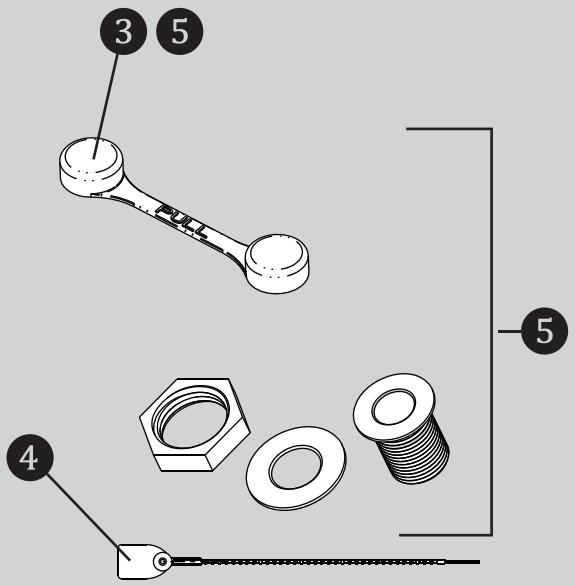
Confirm wiring connectors from heater pad to controller are mated properly.

Confirm wiring connectors from thermostat to controller are mated properly.

SE-4930 REPAIR PARTS

SPEAKMAN®





ITEM NO.	PART NO.	DESCRIPTION
1	RPG38-0433	(2) SPRAY HEAD ASSEMBLIES
2	08-105614	1/2" NPT MALE PLUG
3	RPG56-0039	PULL STRAP ACTIVATOR
4	RPG05-0935	(3) 12" TAMPER EVIDENT SEAL TIES
5	RPG05-0901	PULL STRAP ACTIVATOR & DRAIN BULKHEAD FITTING

SE-4930 ROUGH-IN DIAGRAM

SPEAKMAN®

NOTES:

COMPLIANCE:

ANSI Z358.1

FLOW DATA:

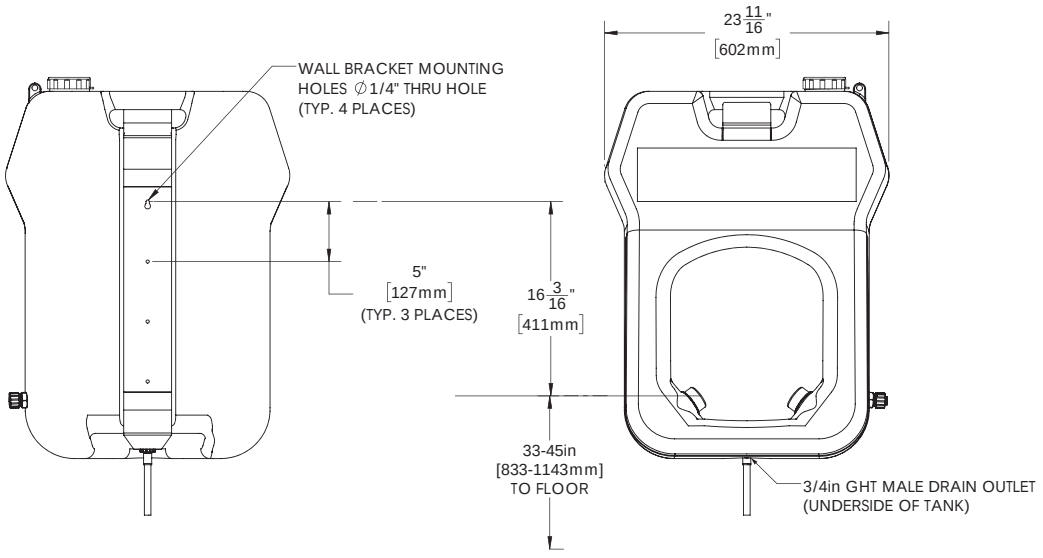
RUN TIME (FULL TANK):
15 MINUTES (minimum)

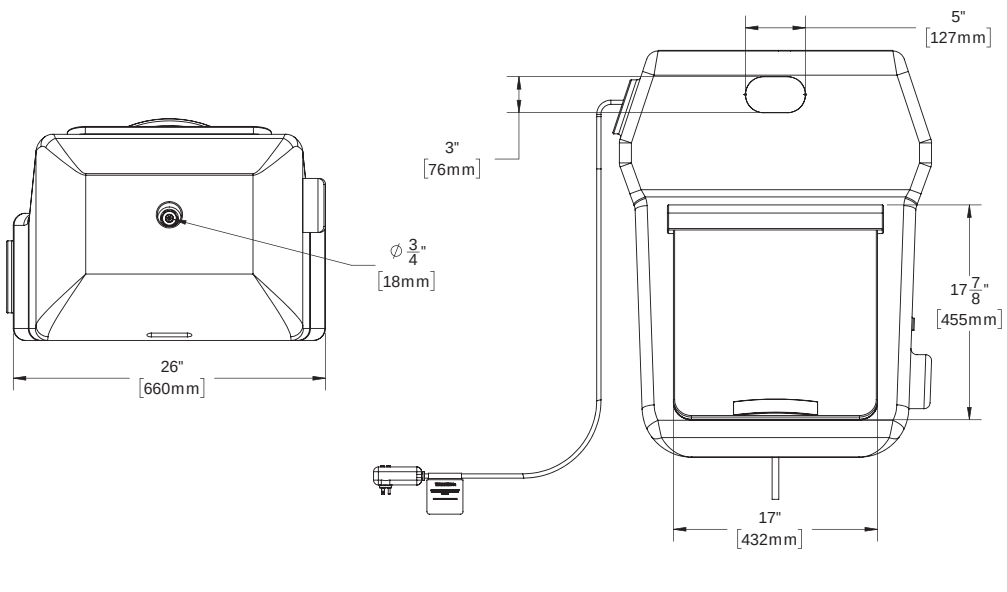
FLOW RATE IN gpm (L/min):
.4 (1.5) MINIMUM

MAX ELECTRICAL RATINGS:

120VAC, 60Hz.
15A, 220W

Contractor to supply necessary inlet connections.





DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE.