

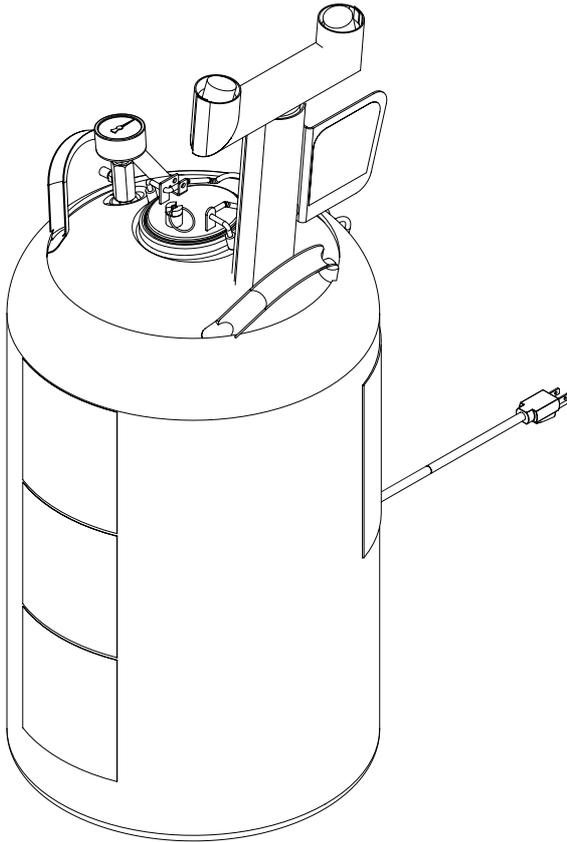
# Installation

## S19-690H

10-Gallon Tank with Eyewash and Heater Jacket

Réservoir de 10 gallons avec douche oculaire et bande chauffant

Tanque de 10 galones con lavaojos y camisa calentadora



### Table of Contents

|                                     |   |
|-------------------------------------|---|
| Pre-Installation Information .....  | 2 |
| Dimensions .....                    | 3 |
| Eyewash Installation .....          | 3 |
| Heater Jacket Installation .....    | 4 |
| Filling the Tank .....              | 5 |
| Maintenance & Troubleshooting ..... | 5 |
| Components & Parts List .....       | 6 |

### Table des matières

|  |    |
|--|----|
| Avant l'installation .....                           | 7  |
| Dimensions .....                                     | 8  |
| Installation de la douche oculaire .....             | 8  |
| Installation de la chemise de chauffage .....        | 9  |
| Remplissage du réservoir .....                       | 10 |
| Entretien et dépannage .....                         | 11 |
| Assemblage des composantes et liste des pièces ..... | 12 |

### Contenido

|  |    |
|--|----|
| Información previa a la instalación .....          | 13 |
| Dimensiones .....                                  | 14 |
| Instalación del lavaojos .....                     | 14 |
| Instalación de la camisa calentadora .....         | 15 |
| Llenar el tanque .....                             | 16 |
| Mantenimiento y resolución de problemas .....      | 17 |
| Montaje de los componentes y lista de piezas ..... | 18 |

## ⚠ WARNING ⚠



Read this installation manual completely to ensure proper installation, then file it with the owner or maintenance department. Compliance and conformity to drain requirements and other local codes and ordinances is the responsibility of the installer.



Separate parts from packaging and make sure all parts are accounted for before discarding any packaging material. If any parts are missing, do not begin installation until you obtain the missing parts.



The inspection and testing results of this equipment should be recorded weekly to verify proper operation. This equipment should be inspected annually to ensure compliance with ANSI Z358.1.



Workers who may come in contact with potentially hazardous materials should be trained regarding the placement and proper operation of emergency equipment per ANSI Z358.1.

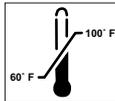


For questions regarding the operation or installation of this product, visit [www.bradleycorp.com](http://www.bradleycorp.com) or call 800.BRADLEY (800.272.3539).

Product warranties and service parts information may also be found under "Products" on our web site at [www.bradleycorp.com](http://www.bradleycorp.com).



Disconnect before servicing. Inspect cord for fraying. Make sure there is no visible damage to the yoke's electrical system.

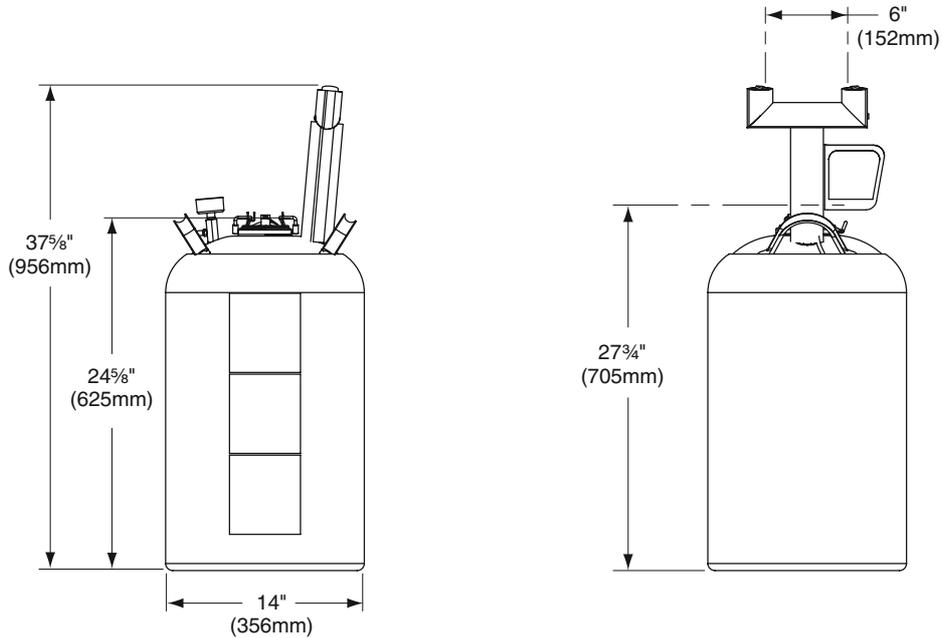


This unit is to be used with tepid, potable water as defined by ANSI Z358.1. (Note: avoid prolonged exposure to ambient heat sources above 100° F, or below 60° F).

### Supplies and Tools Required:

- Pipe sealant
- Air pressure equipment or supply (clean and free of oil and contaminants) capable of up to 100 psi.
- Sign-mounting hardware
- Philips-head screwdriver
- Adjustable wrench

**Dimensions**

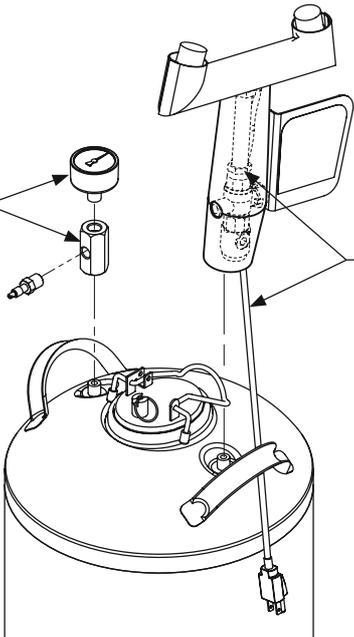


**1 Eyewash installation — S19-690H**

- Remove the plastic dust plug from the bottom of the yoke assembly and discard.

**B** Attach the pressure gauge to the adapter on the pressure side of the tank with pipe sealant (by installer).

**NOTICE:** When attaching the pressure gauge to the tank inlet, hold the adapter (item 3) with a wrench to prevent stripping. Failure to do so may damage the seal and cause leakage. Max. torque 150 in-lbs.

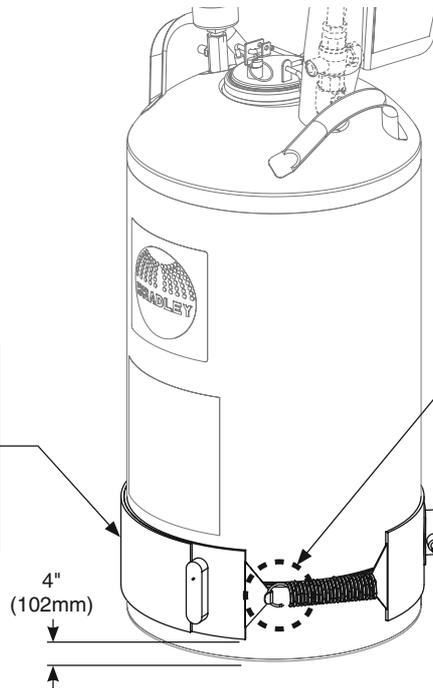


**A** Attach the eyewash yoke assembly to the tank. Max. torque 150 In-Lbs. Route the cable through the tank handle.  
**NOTICE:** Check to ensure the heat trace cable from the yoke assembly is not kinked or damaged from assembly.

**2 Heater Jacket Installation — S19-690H and S19-690HR**

**Heater Belt**

**A** Align the spring clamp from the heater belt directly below the eyewash yoke assembly.  
 *Make sure the heater belt and tank are clean and free of debris.*  
 Wrap the belt around the tank four inches from the bottom of the tank.



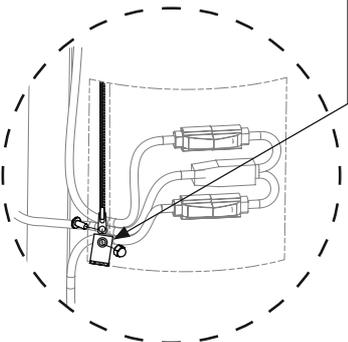
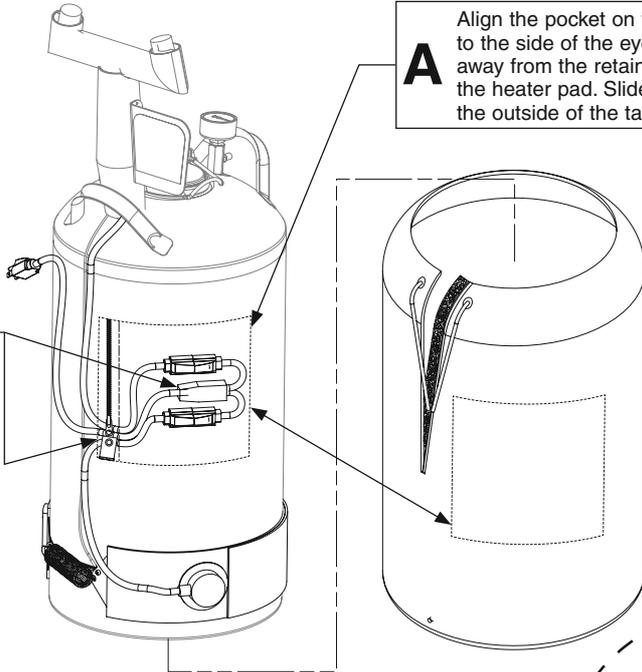
**B** Using a pliers or similar tool, secure the heater belt to the tank.

**Heater jacket**

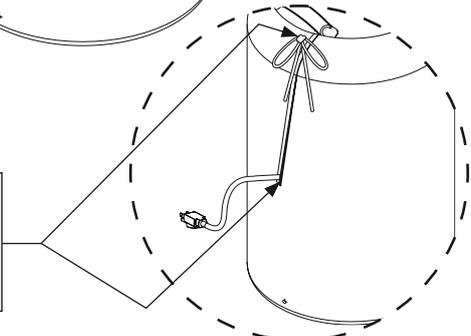
**B** Plug the heat trace cable and the heater belt power cables into the Y-cord. Place the plugs and Y-connection body into the inside pocket of the jacket. Tuck any excess cable from heaters inside tank jacket.  
 Route the three power cords out of the bottom of the pocket.

**C** Close the zipper on the pocket and lock closed with screw and nut provided.

**A** Align the pocket on the jacket, just to the side of the eyewash yoke, away from the retaining spring on the heater pad. Slide the jacket up the outside of the tank.



**D** Route the power cord out of the bottom of the hook-and-loop slot in the jacket. Secure the hook and loop strips on the slot of the jacket. Pull the drawstring tight at the top of the jacket.



### 3 Filling the Tank

#### Fill tank and pressurize

**CAUTION: DO NOT open the cover until the pressure gauge reads “0.”**

1. Open the tank by pulling up on the wire handle located on top of the Quick-lock cover. Push down, rotate and remove. Make sure that the interior of the container is clean. Fill the container with 8 gallons of tepid potable water.
2. Replace the cover and secure by pulling up on the cover and down on the wire handle.
3. After filling the tank with tepid water and before pressurizing the unit, open the activation valve to the full open position and remove the dust covers from the eyewash heads.
4. Located beneath the pressure gauge is an air valve. Remove protective cover and begin to pressurize the unit by applying pressured air through the valve. As soon as water begins discharging from the eyewash heads, close the activation lever completely. Finish pressurizing the tank to 90 psi and replace the air valves protective cover.

**If this is the initial startup of this unit or if the unit has been unfilled and/or un-pressurized for a prolonged period of time the unit should be flushed out per the procedure below.**

**Prior to placing unit in service let unit stand for one hour. If there is a noticeable pressure drop, re-pressurize and let stand for an additional hour. If unit continues to exhibit pressure loss DO NOT place unit in service and consult the Troubleshooting guide found on page 6 of this manual.**

**CAUTION: Relief valve is designed to vent automatically at 100-130 psi to prevent the tank from over pressurizing. If the gauge ever reads more then 130 psi immediately open the pressure relief valve manually by pulling up on the relief valve tab until the pressure reads zero. Remove the unit from service and consult the troubleshooting guide found on page 6 in this manual for steps to correct the problem. Return the unit to service only when over-pressurization issue is corrected.**

#### Flush tank

1. Be sure the unit is assembled, filled and pressurized according to Steps 1 & 3 above. (If this is the initial start up of the unit the body wash spray head will not be attached to the drench hose activation valve at this time.)
2. Discharge the water through the eyewash for at least five minutes to flush the system.
3. Flush all remaining fluid in the tank.
4. Refill the tank and pressurize as described in Step 3 above.
5. Inspect the electrical components for any visible damage or fraying. Plug the heater jacket's electrical cord into an appropriate electrical outlet in accordance with state and local codes.

## Maintenance

**WARNING: Follow instructions of the preservative manufacturer for the proper use of water preservative.**

#### Inspect eyewash unit

1. Visually inspect the pressure gauge weekly to ensure the unit is maintaining the proper pressure. If the unit is not working properly, remove it from the hazard area immediately and refer to the troubleshooting instructions. For further assistance, contact the Bradley Corporation.

#### Clean eyewash unit

*When using potable water only:*

1. Empty the tank any time from once per week to once per month, depending on the quality of your water supply. The manufacturer is not responsible for variations in the water supply.
2. Clean the inside of the tank using warm water and mild soap. Rinse the tank thoroughly with warm water.
3. Refill the eyewash tank with tepid potable water.

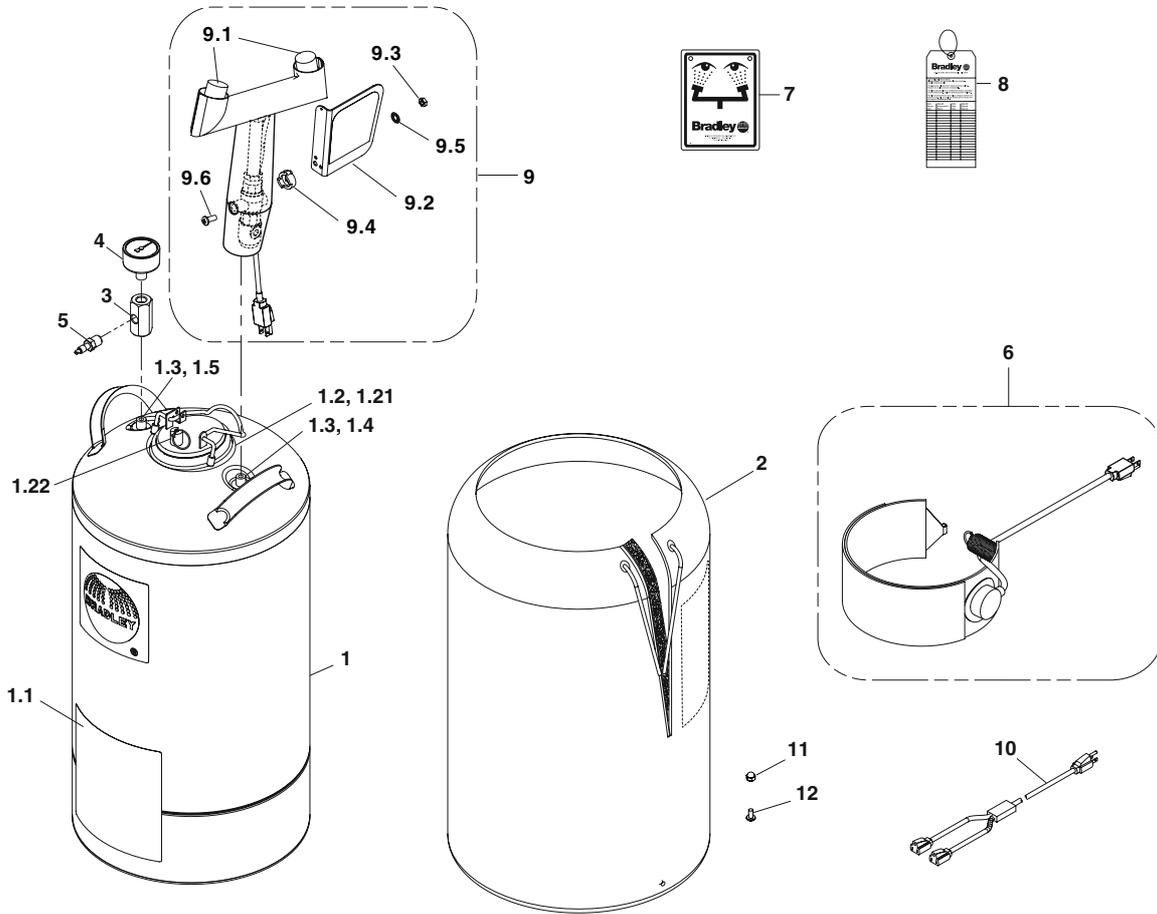
*When using potable water and water preservative (recommended):*

1. Clean the inside of the tank using warm water and mild soap. Rinse the tank thoroughly with warm water.
2. Refill the eyewash tank with tepid potable water. Follow instructions of the preservative manufacturer for the proper use of water preservative.

## Troubleshooting

1. If pressure relief valve relieves prior to the required pressure, do the following (when in the unpressurized condition):
  - Tighten the valve completely into the cap by turning the gray hex head portion of the pressure relief valve clockwise. Do not use a wrench.
  - Pull up on the relief valve ring and ensure that the ring is not preventing the valve from closing completely. Push on the center pin of the relief valve to ensure that it is completely closed. Re-pressurize tank to required pressure. This may have to be done several times to get the valve to seat completely.
2. If the pressurized tank loses pressure over time, check the connections with diluted liquid dish soap or children's bubbles to identify the leak location. Tighten the connection slightly and test again.

# Assembly of Components and Parts List



| Item | Part No.  | Qty. | Description                     | Item | Part No.  | Qty. | Description              |
|------|-----------|------|---------------------------------|------|-----------|------|--------------------------|
| 1    | S39-785   | 1    | Tank, 10-Gallon                 | 6    | 261-011B  | 1    | Heater Belt Assembly     |
| 1.1  | 204-641   | 1    | Operating Instr. Label, English | 7    | 114-051   | 1    | Safety Sign              |
| 1.1  | 204-641FC | 1    | Operating Instr. Label, French  | 8    | 204-421   | 1    | Emergency Inspection Tag |
| 1.1  | 204-641M  | 1    | Operating Instr. Label, Spanish | 9    | S05-187   | 1    | Eyewash Assembly, Heated |
| 1.2  | S44-024   | 1    | Lid Assembly                    | 9.1  | 107-371   | 2    | Tethered Dust Cover      |
| 1.21 | 269-1410  | 1    | Gasket                          | 9.2  | S08-336   | 1    | Handle/Label Assembly    |
| 1.22 | 269-1642  | 1    | Relief Valve                    | 9.3  | 110-215   | 1    | Nut                      |
| 1.3  | 269-1411  | 2    | O-Ring                          | 9.4  | 153-372R  | 1    | Adapter                  |
| 1.4  | 269-1516  | 1    | Draw Tube                       | 9.5  | 142-002DA | 1    | Lockwasher               |
| 1.5  | 269-1515  | 1    | Level Indicator Tube            | 9.6  | 160-389   | 1    | Screw 1/2" x 1/4"-20     |
| 2    | 269-1969  | 1    | Heater Jacket                   | 10   | 251-020   | 1    | Y-cord                   |
| 3    | 153-451   | 1    | Adapter                         | 11   | 161-052   | 1    | Nut, Acorn 1/4"-20       |
| 4    | 169-786   | 1    | Pressure Gauge                  | 12   | 160-389   | 1    | Screw 1/2" x 1/4"-20     |
| 5    | S27-320   | 1    | Tank Valve Assembly             |      |           |      |                          |

S45-2410 includes Items 1.21, 1.3