



A4119EVR

Coaxial SafeBreak® Valve

Permanent ID:



INSTALLATION INSTRUCTIONS

Service Tools Required:

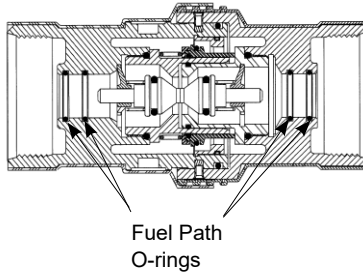
- 1 7/8" Crows Foot
- Torque Wrench w/ 50ft-lbs Setting
- Gasoline Approved Container
- Pipe Wrench w/ Flat Jaws
- Petroleum Jelly or Other Suitable Lubricant

CAUTION:

1. Always barricade work area to keep pedestrians and vehicles from accessing the dispenser.
2. Always use a gasoline approved container or test can when performing any type of preventive maintenance.
3. Before attempting to install, remove or service the A4119EVR SafeBreak® valve, turn off and tag out power to the corresponding dispenser.
4. Before attempting to install, remove or service the A4119EVR SafeBreak® valve, close the emergency impact valves located inside the base of the dispenser. Relieve the line pressure and standing fuel through the nozzle spout into a gasoline approved container by compressing the bellows and squeezing the lever.
5. If a hose retractor is used, the A4119EVR SafeBreak® valve must be attached on the nozzle end of the retractor clamp.

IMPORTANT: Failure to perform cautions 3 and 4 may result in a hazardous gasoline spill, damage to equipment, personal injury and/ or death.

Pre-Inspection:



1. Carefully unpack and remove the A4119EVR SafeBreak® valve from the shipping container and evaluate for any kind of damage.
2. Verify the fuel path o-rings located on both ends of the A4119EVR SafeBreak® valve. All o-rings must be properly secured inside the factory machined grooves.

Pre-Installation:



3. Lightly lubricate the fuel path o-rings using petroleum jelly or other suitable lubricant.



4. Before attempting to install the A4119EVR SafeBreak® valve onto the whip hose, verify the word “NOZZLE”, which is printed on the guard of the SafeBreak® valve, is on the opposite end. Verify the

and in petroleum

vapor path o-ring is properly secured onto the connector, good working condition. Lightly lubricate the o-ring using petroleum jelly or other suitable lubricant.

Vapor Path O-ring



5. Before attempting to install the A4119EVR SafeBreak® valve onto the curb hose, verify the vapor path o-ring is properly secured onto the connector, and in good working condition. Lightly lubricate the o-ring using petroleum jelly or other suitable lubricant.

IMPORTANT: Do not use pipe thread sealant compound or Teflon tape when installing the A4119EVR SafeBreak® valve. Failure to comply will void warranty.

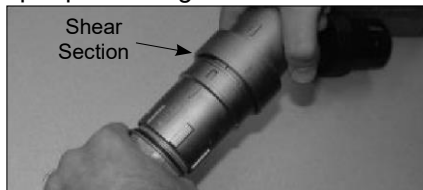
Installation:

IMPORTANT: If this is a new facility installation, the fueling point must be flushed into a gasoline approved container before installing the A4119EVR SafeBreak® valve. Failure to perform this procedure could result in foreign material becoming lodged inside the SafeBreak® valve's fuel path causing a reduction in fuel flow.



6. Remove the scuff guard by sliding on to the whip hose. Attach the A4119EVR SafeBreak® valve onto the whip hose connector. Tighten by hand to avoid cross threading. Take caution to avoid pinching the vapor path o-ring.

Shear Section



IMPORTANT: Never tighten across the shear section of the A4119EVR SafeBreak® valve. Failure to comply will result in damage to the SafeBreak® valve and void warranty.



7. Using a 1 7/8" crows foot and torque wrench, tighten the whip hose connector to 50 ft-lbs of torque.



8. Remove the scuff guard by sliding on to the curb hose. Attach the A4119EVR SafeBreak® valve onto the curb hose connector. Tighten by hand to avoid cross threading. Take caution to avoid pinching the vapor path o-ring.



9. Using a 1 7/8" crows foot and torque wrench, tighten the curb hose connector to 50 ft-lbs of torque.

Post Functional Tests:

10. Carefully purge the trapped air from the fueling point. Begin dispensing by compressing the bellows and then squeezing the lever. Dispense one gallon of fuel into a gasoline approved container.
11. Functional test the automatic shutoff of the A4005EVR nozzle. Begin dispensing by compressing the bellows and then squeezing the lever. Place the hold open latch in "high" clip

position to secure the lever. Dispense one gallon of fuel into a gasoline approved container. At the same time, lower the spout tip into the standing fuel until the vent hole is completely submersed. The main valve of the A4005EVR nozzle will automatically close causing fuel flow to stop.

IMPORTANT: Perform step 11 a minimum of three times to assure the insertion interlock, hold open latch and the automatic shutoff of the A4005EVR nozzle are operating properly.

According to UL requirement 842, the fuel flow rate must be greater than 3 gallons per minute for the automatic shutoff to operate properly. A common problem cause of low flow rates are dirty or clogged dispenser filters.

Post Inspection:

12. Before placing the A4005EVR nozzle onto the dispenser cradle, inspect all hanging hardware connections for potential fuel leaks.

Make proper adjustments if necessary.

PREVENTIVE MAINTENANCE

1. Weekly inspect the A4119EVR SafeBreak® valve, evaluate for any kind of damage. Damaged components must be replaced with factory authorized service kits.

Part Number

Description

494748EVR

Fuel Path O-ring Kit

2. Weekly inspect all hanging hardware connections for potential fuel leaks.

IMPORTANT: Should a drive-off or incidence of customer abuse occur, follow the initial inspection and function instructions found in the installation section.

PERFORMANCE STANDARDS & SPECIFICATIONS

This component was factory tested to, and met the following specifications:

1. Meets ARB Material Compatibility with Fuel Blends as per Section 3.8 of CP-201.
2. TP-201.2J – Complies with the maximum allowable component pressure drop of 0.04 inches of water column @ 60 CFH.

IMPORTANT: Leave these installation instructions, product warranty registration card and the warranty tag with the station owner and/or operator.