

Installation Instructions for Pressure Relief Valve (PRV) Model PRV-4 (P/N 5-4-9894)

Specifications: Set Crack pressure: 0.5 iwg (with 10% variations – 0.45 to 0.55 iwg)
Fully Open at 0.7 iwg (with 10% variations)
Shelter Wall Thickness range: 0.06" to 1.5"
(Adjustable Screw to adjust the crack pressure range).

Shipping & Handling Instructions:

1. Please ship the finished assembly in the air-tight Ziploc bag with installation instructions; individually packed with the seal on the inlet side, using masking tape and unit in horizontal position.
2. Please ensure, they are individually wrapped with the bubble paper to avoid any damage in handling and packed in a cardboard box with label on side.
3. Gasket PSA has a shelf life of 2 years, from the date of manufacturing.
4. PRVs are designed to function accurately when installed vertically as shown.



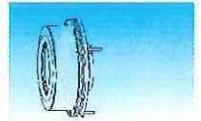
Installation:

1. Please visually inspect the each unit and if any physical damage is seen such as torn gasket, cracks or broken seal; please don't use the unit.
2. Please ensure that the unit is still sealed and packed in a Ziploc bag; is free from any foreign objects, dust particles; which may hinder it's performance.
3. Don't remove the black cap, protecting the adjusting thumb screw.
4. Ensure that the shelter wall thickness is less than 1.5". Use 1" fully threaded bolt provided for soft shelters and use 2.25" for all others.
5. Remove the outlet cover by unscrewing the wing nuts.
6. Ensure that the assembly is protected from any foreign substances getting into the device.
7. Drill 3, 1/4" dia holes into shelter wall, equi-spaced at the pitch circle diameter of 7.23", to clear the three mounting screws. Use outlet cover as a template.
8. Insert 3 clamping screws of the inlet side of the PRV from the inside of the shelter through the drilled holes in the shelter wall.
9. Insert the outlet into these 3 mounting screws from the outside of the shelter and tighten up the assembly with the wing nuts from out side.
10. Please ensure that the gasket seals properly the shelter interface and a no-leakage condition is achieved.
11. Once the PRV is installed, remove the green color masking tape on inside face, there by allowing the piston to move freely under designed pressure differential.



Outlet
Side

Inlet/
Shelter
Side



Operational:

1. The units are shipped in calibrated condition for a crack pressure of 0.45 to 0.55 iwg range.
2. To adjust the crack pressure, please remove black cap and rotate adjusting screw using Allen key, to reduce the crack pressure, rotate the screw in clockwise direction and for increasing, rotate the screw in counter clockwise direction. **The units have to be recalibrated, if adjusting screw is tampered.**
3. Periodic inspection is recommended to check for any clogging or mal-functioning of the unit. Replace filter pad when clogged.

