

**MEV250SRK  
SEAL REPLACEMENT KIT  
FOR: MEV250 EXTERNAL PRESSURE RELIEF VALVE**

**!!!WARNING!!!**

READ AND UNDERSTAND ALL INSTRUCTIONS INCLUDED WITH THIS REPAIR KIT.  
ALL PRESSURE ADJUSTMENTS MUST BE MADE WITH VALVE IN A SUITABLE  
SAFETY / CONTAINMENT CHAMBER.  
PRESSURE RELIEF VALVES MAY "POP" SUDDENLY RELEASING A DANGEROUS  
DISCHARGE OF AIR, WATER, NOISE, AND ENERGY.

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**EQUIPMENT:**

All pressure readings **MUST** be made using a calibrated digital pressure gauge with a minimum resolution of 1 PSI and an accuracy of at least  $\pm 2$  PSI.

1. Tighten spring retainer until it is recessed approximately 1-1/2" to 1-3/4" below end of body.
2. Connect Relief valve assembly to an air source at 300 to 350 psi and open ("pop") valve once to equalize internal components.
3. Connect 2-1/2" NPT connector to MEV250 Adapter and place valve in fixture.
4. To increase set pressure, turn Spring Retainer clockwise; to decrease set pressure, turn counter-clockwise using adjustment fixture.
5. Gradually increase pressure to valve.
6. When first bubble comes out of 1/4" NPT port, note First-Bubble, or "F-B" pressure and increase pressure by up to 5 psi to fully unseat seal as indicated by "popping" or rapid bubbling.
7. Lower pressure at least 25 psi below F-B pressure to allow gasket to re-seat.
8. If F-B pressure is **NOT** within **required range** of:
  - **258  $\pm 2$**  psi (256 to 260) for a Relief Valve pressure rating of **250 psi, or:**
  - **274  $\pm 2$**  psi (272 to 276) for a Relief Valve pressure rating of **265 psi,**then repeat steps "4" through "9".
9. Once F-B pressure is within required range, lower pressure to less than 10 psi and retest F-B pressure per steps "5" and "6".
10. If F-B pressure does not retest within required range, repeat steps "4" through "9".
11. Pressure adjustment is complete when two successive F-B readings are within required range.

<b>UL Flow Ratings @ 20% Over Pressure</b>	
<b>PSI</b>	<b>Rating</b>
250	10,333 SCFM
265	10,948 SCFM



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