



INSPECTION

1. Inspect relief valve discharge opening. If any foreign particles are detected they must be removed before valve is put back in to service. If particles cannot be easily removed valve must be replaced.
2. Check the exterior surface of the relief valve for any obvious corrosion or deterioration. If corrosion or deterioration is present, the relief valve must be replaced. Corrosion or deterioration could indicate that the valve is not suited for the commodity.
3. If there are any indications of physical damage, replace the valve.
4. Replace the valve if there are any indications of seat leakage.
5. Relief valves are factory preset to discharge at the customer's desired pressure and are not intended to be reset after they have left manufactures facility. If relief valve shows signs of tampering, the valve must be replaced.
6. If the thread is leaking, check the relief valve thread-to-container connection for proper tightness. If the connection continues to leak after tightening replace the valve.

OPERATION

1. Relief valves are factory set and sealed by the manufacturer to operate at a specific relief pressure.
2. The relief pressure is stenciled on each relief valve.
3. Valve will automatically reseal (vapor tight) when pressure is less than the designated relief pressure. If the valve does not reseal the seat area could have small particles of debris around it preventing the valve from resealing.

TESTING

Perform the following test using air pressure, with the relief valve submerged in a water bath.

1. **START TO DISCHARGE.** Slowly increase pressure until observing the start to discharge (a few bubbles). The valve should start to discharge below the stated relief pressure.
2. **RELIEF PRESSURE.** Continue slowly increasing pressure on the valve until the mechanism relieves. Record pressure.
 - a. This pressure should fall within 10% of the stated relief pressure. Do not return the valve to service if the actual relief pressure falls outside this window.
3. **VAPOR TIGHT.** Slowly decrease pressure on the system until the valve reseals completely.

MGM recommends replacing relief valves after ten years of service and advises against repairing relief valves in the field. Please contact MGM with any questions regarding this product.