

## SAFETY PRECAUTIONS / INSTALLATION

### WARNING! SAFETY AND RELIEF VALVES ARE CLASSIFIED AS A CRITICAL SAFETY DEVICE!

Installation and maintenance should only be performed by professionals with experience in operations of pressure vessels, pressurized lines and pressure related devices!

A safety relief valve is designed to relieve pressure and prevent damage to equipment and harm to personal. A safety and/ or relief valve is considered a 'critical device' for elements of safety within a pressurized environment.

A few key points:

All pressure should be bled from a system prior towards installation

- 1) Servicing valves should only be done by professionals with experience in pressure relief devices and valves. By ASME code, a valve that has been tampered with (generally the wire seal is missing) is no longer considered an approved device. If service is needed, it is required that it be done through an ASME accredited VR (valve repair) company.
- 2) During installation, when applying piping compound or tape to the inlet side, make sure its held back by a few threads; ensuring that the compound / tape does not protrude into the valve chamber / nozzle, which could result in compromising the seal / seating area, resulting in a leaky valve.
- 3) Be sure the discharge outlet is directed away from critical equipment and personal
- 4) If the valve has a lift lever, make sure the pressure is minimally 85% of the stamped 'set pressure' on the valve, prior towards lifting. Doing so prematurely could result in damaging the alignment (concentricity) of the valve, resulting in seating / sealing issues.

Hold the lift lever for a period of time to allow for cleansing of the seating area.

- 5) If piping off from the outlet (discharge), make sure the piping is supported. The valve is not designed to support piping. Not anchoring / supporting the discharge pipe will result in warping of the safety relief valve casting. This potentially would make the valve non-functional and cause either severe leakage or safety hazard.