

PSI Product of the Month - June

The **MOGAS PORV**, a pneumatic actuated pressure relieving valve, prevents excessive system pressure accumulation. Set pressure of the PORV is lower than that of the spring loaded safety valve to prevent or reduce the number of lifts of the safety valve, thus extending its life. Available in 1500#, 2500#, & 4500# class, the PORV is available either non stamped or with the "V" stamp. The "V" stamped PORV has been flow certified by the National Board of Boiler and Pressure Vessel Inspectors.



Operation

The PORV operates as a system. The MOGAS ball valve is normally closed. The pressure switch senses steam pressure and closes an electrical switch when the pressure exceeds a predetermined point. This energizes the solenoid valve, which pressurizes the "to open" cylinder port of the pneumatic actuator, opening the ball valve. When the pressure switch senses that the steam pressure has returned to normal, the electrical switch within the pressure switch opens, energizing the solenoid valve and closing the MOGAS ball valve.

Applications

- Overpressure relief of boiler/superheater header
- Isolation valve

Features

- Live loading ensures zero emissions from stem packing in the most severe temperature shocks
- High nickel alloy base ball & seat with proprietary coating ensures superior wear resistance
- Double accurate cut decreases velocity on critical opening stroke, eliminating erosion on ball & seat edges
- Field repairable

Call PSI at (800) 223-1468 for a PORV reference list so you can find out how top power producers like Duke Power utilize the PORV to prevent excessive system pressure accumulation. Within the Duke System, PORV valves are still successfully operating with more than 400 cycles!