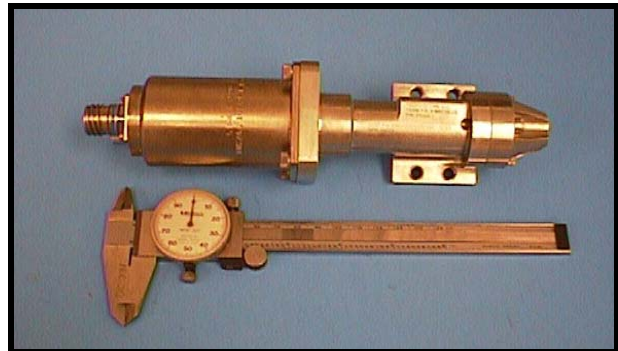
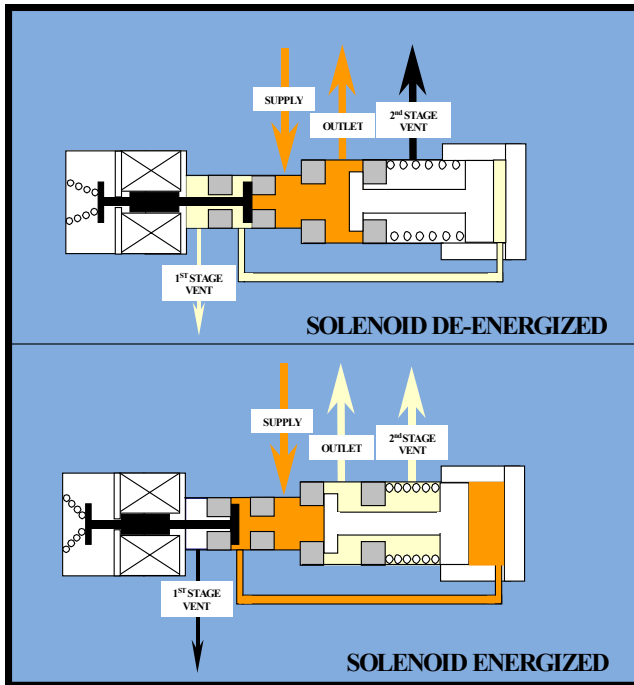


10,000 PSI 3-Way High-Response Solenoid Valve

Model 210200-1



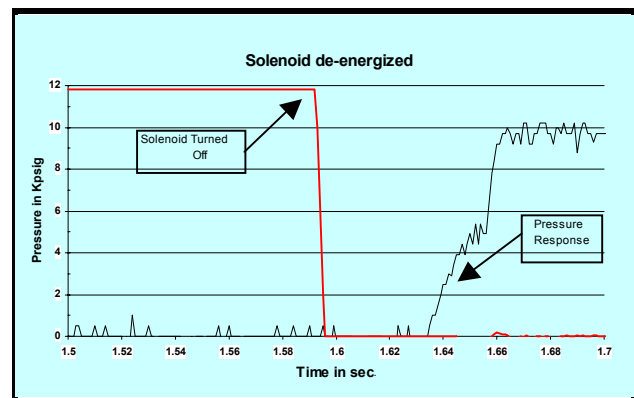
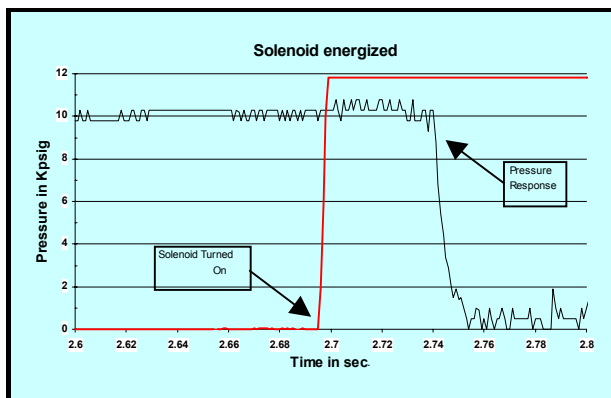
Description of Operation:

In the valve's normally-open, solenoid de-energized condition the 1st stage poppet restricts supply pressure and vents the 2nd stage piston chamber. The 2nd stage poppet seals the vent passage and directs supply pressure to the outlet port. Upon solenoid energization, the 1st stage poppet strokes to seal the vent while directing supply pressure to the 2nd stage piston chamber. The 2nd stage poppet is driven to block the supply pressure while venting residual pressure through the outlet port. Upon removal of solenoid voltage the valve returns to the normally-open condition

Performance Features

- Working Pressure: 0-10,000 psi
- Normally open
- Operation: Continuous
- Working Gas: He, N, other inert gases
- Leakage: $< 1 \times 10^{-4}$ SCCS He at 10,000 psig
- Response Time: < 50 milliseconds

- Operating Voltage: 28 +/- 4 VDC
- Current: 1.2 A max steady state
- Operating Temperature: 0-140 F
- Flow Area: 0.014 in² fill, 0.008 in² vent
- Life: $> 5,000$ cycles at max conditions
- Weight: Less than 3 lbs.



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