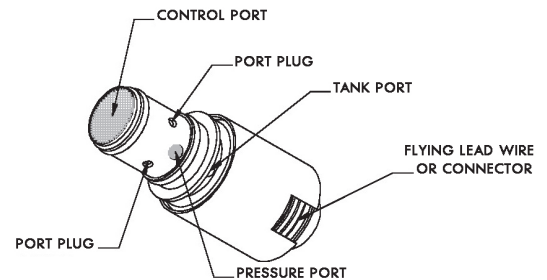
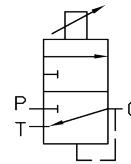




Description

This example of proportional solenoid technology is a direct-acting, normally open, continuously variable (proportional) pressure relief valve that can be designed to operate over various pressure ranges to optimize controllability. Connector and port cavity can be configured for customer's requirements.

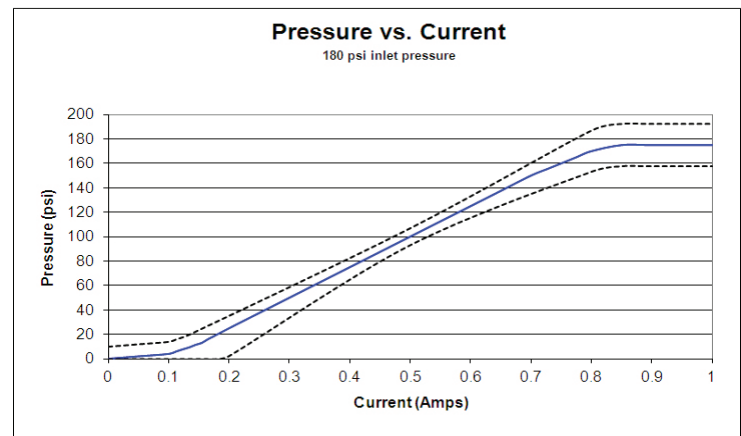


Features & Benefits

- Compact design
- Fast response
- Low differential pressure in stand-by
- Can be designed for specific pressure ranges to optimize controllability
- Can be designed to configure with customer electronic drivers

Typical Applications

- Transmission Valves
- Off-Highway Hydraulics
- Auxiliary/PTO Control
- Turbocharger Control
- Variable Valve Timing
- Shift By Wire Control
- Industrial Controls
- Oil Pump Controls
- Anti-Lock Brake Systems



Typical Specifications (Custom configurations available)

Supply Voltage	10-14 Vdc
Control Current Signal	0-1.5 Amp
Coil Resistance at 20°C	5.7 ± .05 Ω
Supply Pressure	175 ± 1.24 bar (175 ± 18 psi)
Flow Rate @ 12.06 bar (175 psi)	>1.0 in 3 sec
Max Operating Temperature	93°C (200°F) fluid temperature
Flow Rate (Inlet to Control)	.75 gpm @ 12.06 bar (175 psi)
Fluid Type	Automatic transmission fluid

LATCHING TECHNOLOGY

Capable of holding in position without the constant application of electrical current. Latching technology is well suited for battery operated applications.

HIGH-SPEED TECHNOLOGY

For applications requiring extremely accurate and high speed control of fluids, position or pressure. TLX's technology allows for response times in as little as 200 microseconds.

PROPORTIONAL TECHNOLOGY

For applications requiring accurate and repeatable control, low hysteresis, and a flat force vs. stroke curve. TLX's technology allows for a smaller package size for the same force requirement.

HIGH TEMPERATURE TECHNOLOGY

For applications requiring consistent performance under extremely high operating temperatures. TLX's high temperature technology offers proven operation in ambient temperatures exceeding 500°F (260°C).

