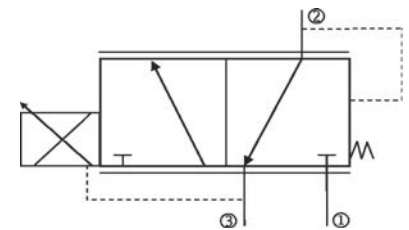




Description

This example of proportional solenoid technology is a continuously variable (proportional), normally open "A" to "T", pressure reducing relieving valve that can be designed to operate over various pressure ranges to optimize controllability. TLX's magnetic technology allows for a smaller package and/or greater efficiency. Connector and port cavity can be configured for customer's requirements.

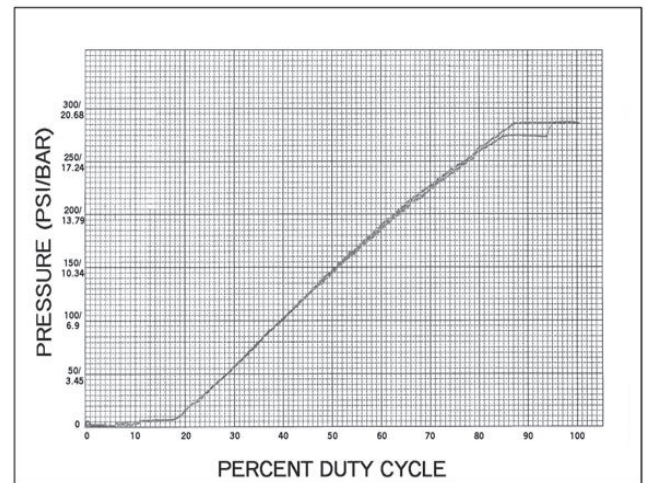


Features & Benefits

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

Typical Applications

- Off-Highway Hydraulics
- Auxiliary/PTO Control
- Turbo Charger Control
- Variable Valve Timing
- Transmission Valves
- Shift by Wire Control
- Industrial Controls
- Oil Pump Controls



Typical Specifications (Custom configurations available)

Supply Voltage	12 or 24 Vdc
Pressure Hysteresis	<5%
Nominal Linearity	<2%
Rated Operating Pressure	69 bar (1000 psi)
Rated Control Pressure	0-31 bar (0-450 psi) as needed
Operating Temperature Range	-30 to 120°C (-20 to 250°F)
Command Step Response	<60 ms
Pressure Step Response	<3 ms

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).



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