



Proportional Pressure Reducing/Relieving Valve

The proportional pressure reducing/relieving valve was designed to control the main stage of a hydraulic valve in an off-highway application. This normally open, continuously variable valve was compact and had a low pressure differential at standby. To optimize controllability, the valve could be designed to operate over various pressure ranges.

Features & Benefits

- + Compact design
- + Fast response
- + Low pressure differential at standby
- + Customizable pressure range
- + Customizable to application's electronic drivers

Applications

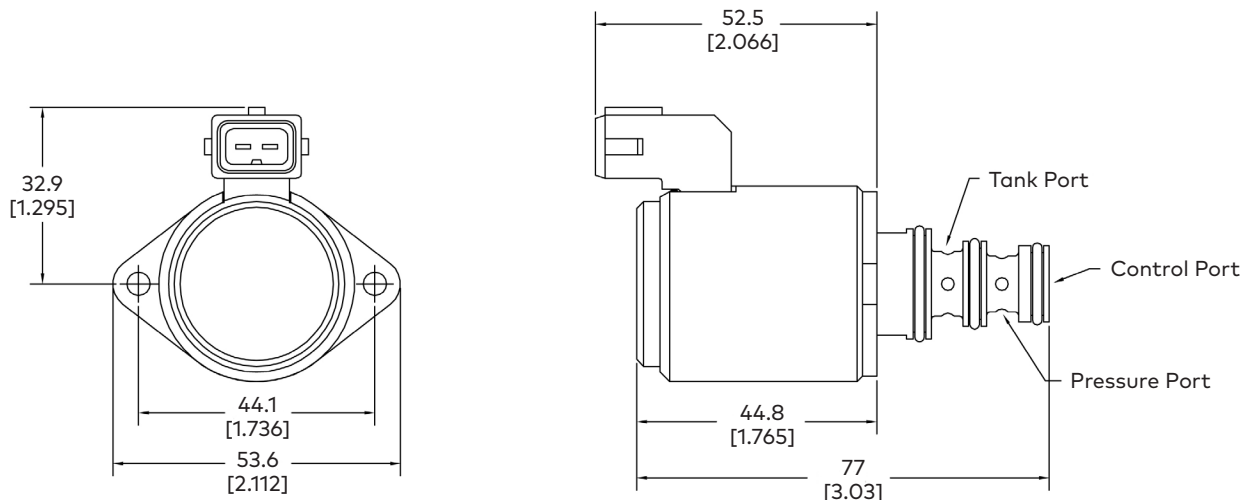
- + PTO control
- + Industrial controls
- + Oil pump control
- + Transmission control
- + Turbocharger control
- + Variable valve timing

Technical Data (custom configurations available)

- + Supply voltage: 12 or 24 Vdc
- + Pressure hysteresis: < 5%
- + Nominal linearity: < 2%
- + Rated operating pressure: 6,900 kPa
- + Rated control pressure: 0 to 3,100 kPa
- + Operating temperature range: -30°C to 120°C (-20°F to 250°F)
- + Command step response: < 60 ms
- + Pressure step response: < 3 ms

All TLX components are customized to fit system requirements, meaning technical specifications are unique to each customer and design. Examples given are for illustration purposes only.

Dimensional Drawings (dimensions in millimeters [inches])



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