

## Proportional Pneumatic Control Valve

This pneumatic control valve was designed to precisely meter inlet and outlet pressure to proportionally control an actuator. The fully encapsulated design features ultrafast response and can be customized to the customer's electronic drivers.

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### Features & Benefits

- + Pulse width modulated proportional flow control
- + Compact fully encapsulated design
- + Can be configured for specific pressure/vacuum ranges for precise controllability
- + Can be optimized to customer's electronic drivers

### Applications

- + Proportional pressure or vacuum control
- + EGR control
- + Turbo wastegate control

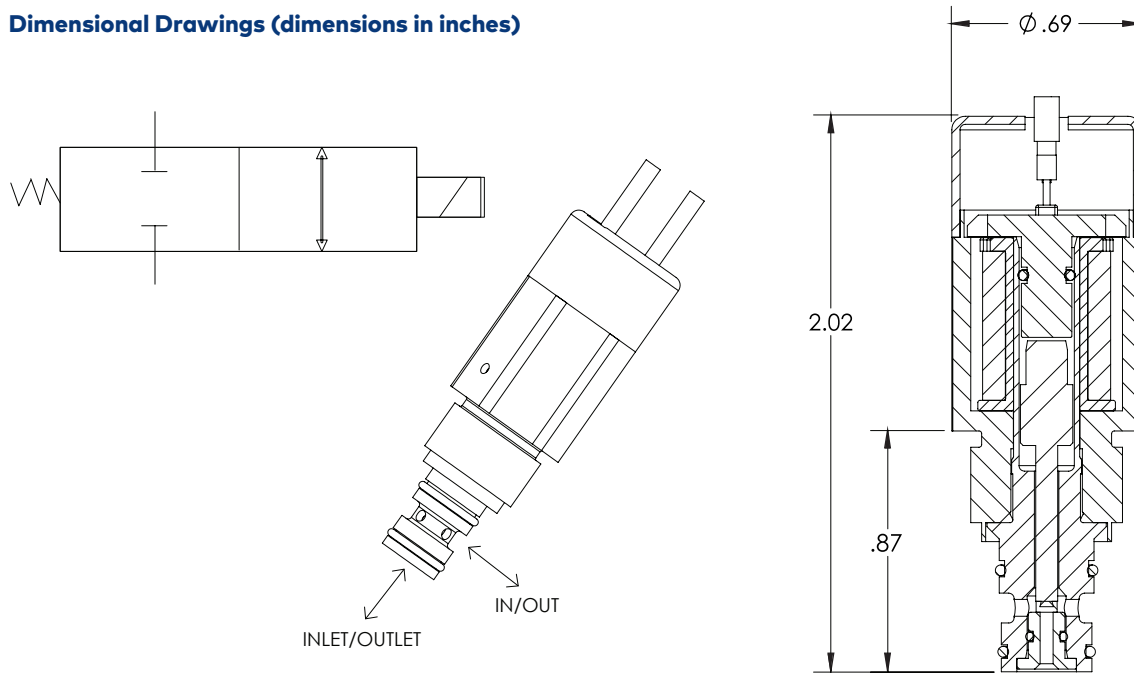
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### Technical Data (custom configurations available)

- + Supply voltage: 24 Vdc nominal
- + Coil resistance at 20°C: 131  $\Omega$
- + Operating temperature range: -40°C to 65°C (-40°F to 149°F)
- + Operating pressure range: -3 to 124 kPa
- + Flow rate: 24 l/min @ 80 kPa
- + Leak rate: < 1 cc/min
- + Response time: < 3 ms
- + PWM pressure control: 10-90% duty cycle
- + PWM vacuum control: 10-90% duty cycle
- + Burst pressure: 25 bar
- + Vibration: 50-400 Hz @ 20 G peak

*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 inches)



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