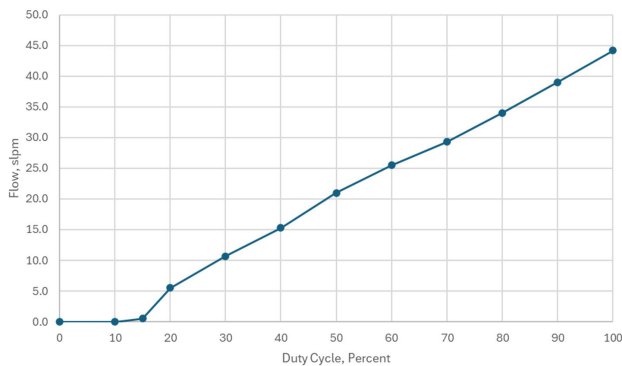


Proportional Canister Purge Valve

The proportional canister purge valve is a compact, fully encapsulated, pulse-width-modulated solenoid valve for a vehicle's EVAP system. It proportionally regulates the flow of fuel vapor from a vehicle's charcoal canister to the intake manifold to be burned off during combustion. The flow rate can be customized between 22 SLPM and 32 SLPM at a 70% duty cycle, with flow measured at a 50 kPa pressure differential.

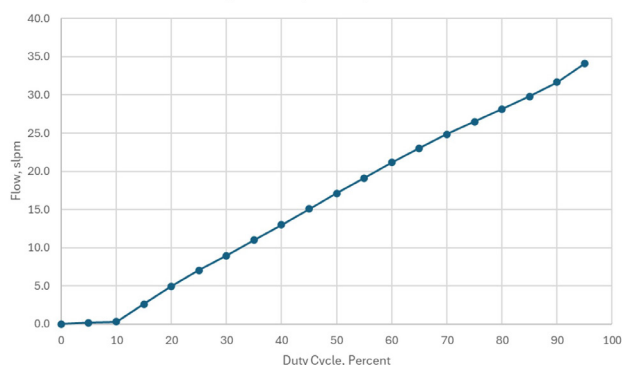
Typical High Flow Valve

Flow vs Duty at 32 Hz, 12VDC, 50kPa Vacuum



Typical Low Flow Valve

Flow vs Duty at 32 Hz, 12VDC, 50kPa Vacuum



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.

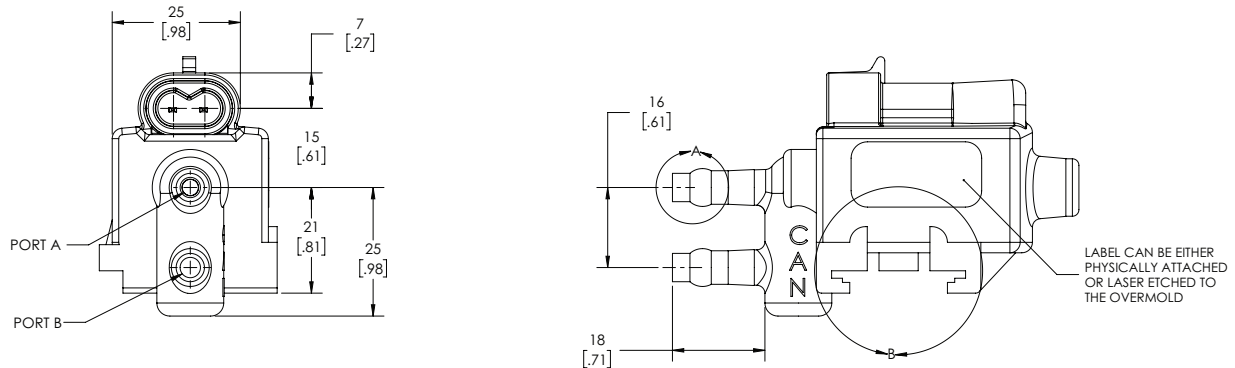
Features & Benefits

- + Two-port, normally closed valve
- + Pulse-width-modulated proportional flow control
- + Compact, fully encapsulated design
- + Low internal leakage
- + Can be optimized for specific pressure and vacuum ranges
- + Hardware-free mounting
- + Customizable flow rate
- + Can be configured to integrate with the customer's electronic drivers

Technical Data (custom configurations available)

- + Flow rate range: 9-31 SLPM @ 50 kPa
- + Inductance: 25 ± 5 mH
- + Coil resistance at 20°C: 18.6 ± 1.8 Ω
- + Supply voltage: 12 Vdc @ 32 Hz PWM
- + Response time: < 8 ms
- + Operating temperature range: -40°C to 120°C (-40°F to 248°F)
- + Vibration: 20 G

Dimensional Drawings (dimensions in millimeters [inches])



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