



3-Way Switching Valve

The 3-way switching valve is a motor-actuated valve that draws no current to maintain diverter position. This high flow valve has near-zero cross-flow leakage and a low pressure drop. Design teams can choose the operating voltage, communication protocol, and port size that match their requirements without changes to the valve body, flow paths, or drive system.

Features & Benefits

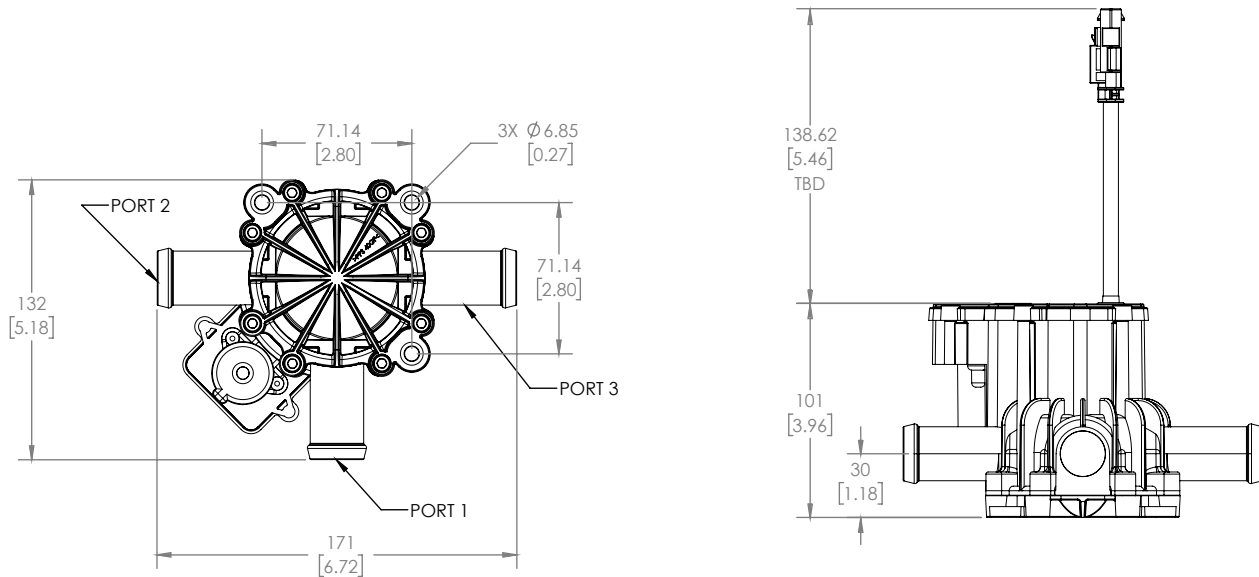
- + High flow, low pressure drop
- + Near-zero cross-flow leakage
- + Draws no current to maintain diverter position
- + Port sizes up to 25.4 mm
- + Choice of communication protocols
- + 12 and 24 Vdc nominal

Technical Data (custom configurations available)

- + Max. flow rate: 100 L/min
- + System pressure: 10 bar burst, 3 bar operating
- + Allowable pressure drop: 13.8 kPa at 100 L/min
- + Pressure differential: 138 kPa (1.4 bar)
- + Voltage: 12 and 24 Vdc
- + Max. current: 1.0 A
- + Operating temperature: -40°C to 120°C
- + Hose connection: per SAE J1231
- + Allowable leakage (port-to-port): 100 mL/min at 138 kPa, 100 L/min flow rate
- + IP rating: IP69K
- + Communication protocol: PWM or LIN (SAE J2602 & LIN 2.2A) with feedback

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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