PILOT-OPERATED TRIAD ISOLATION VALVE

The triad isolation valve is a compact design capable of directing a single inlet of 4500 psi gas to three separate output channels. Pilot-operated, the valve has a fast response rate, making it suitable for "bang-bang" pressurization in place of mechanical pressure regulators.

KEY FEATURES

- High pressure – 4500 psi MEOP
- Flow orifice – CdA = 0.0074 in2
- Single inlet, three outlet fittings
- Weight – 2.2 lbm

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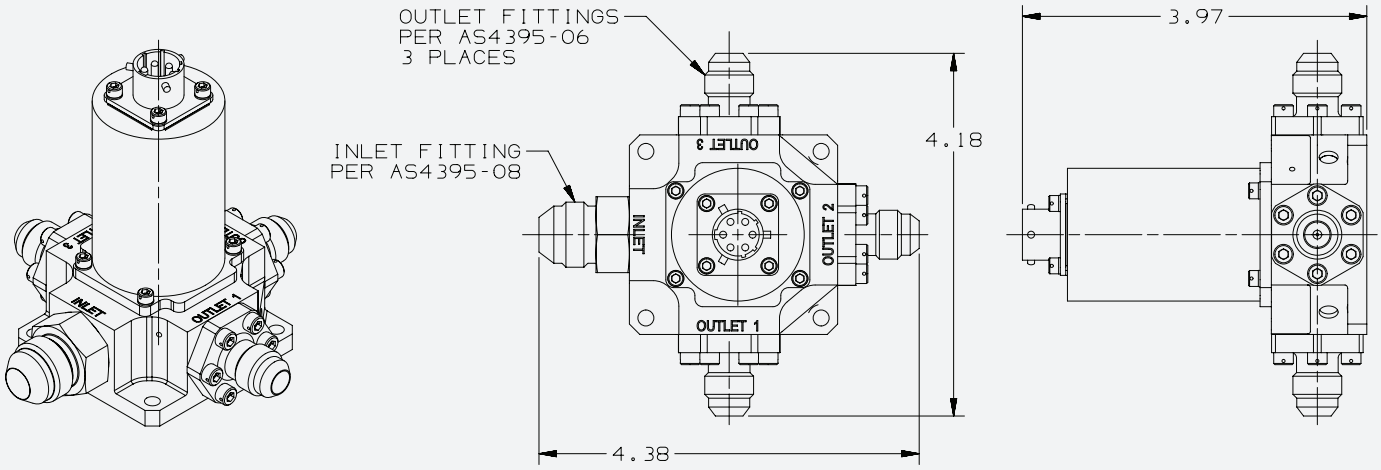
PILOT-OPERATED TRIAD ISOLATION VALVE

PERFORMANCE CHARACTERISTICS

Characteristic	Performance/Interfaces
Operating Pressure	4500 psig MEOP
Flow Rate	CdA = 0.0074 in^2
Operating Voltage	24-32 VDC
Current Draw	<0.6 Amp pull-in; 0.3 Amp hold
Leakage – Internal	10 scc/min each stage at MEOP@70°F; 1x10-3 sccs @ -290°F
Leakage – External	30 scc/min at MEOP (pilot vent not included)
Response – Open	9 msec
Response – Close	9 msec
Operating Temperature	-65°F to +140°F
Cycle Life	1000 Cycles
Unit Weight	2.2 lbm max. (2.0 lbm baseline)
Dimensions	4.0 x 4.5 x 4.5 inch

DIMENSIONAL DRAWING



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