

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 - $CdA = 0.0074 \text{ in}^2$
- Single inlet, three outlet fittings
- Weight - 2.2 lbm



© Northrop Grumman



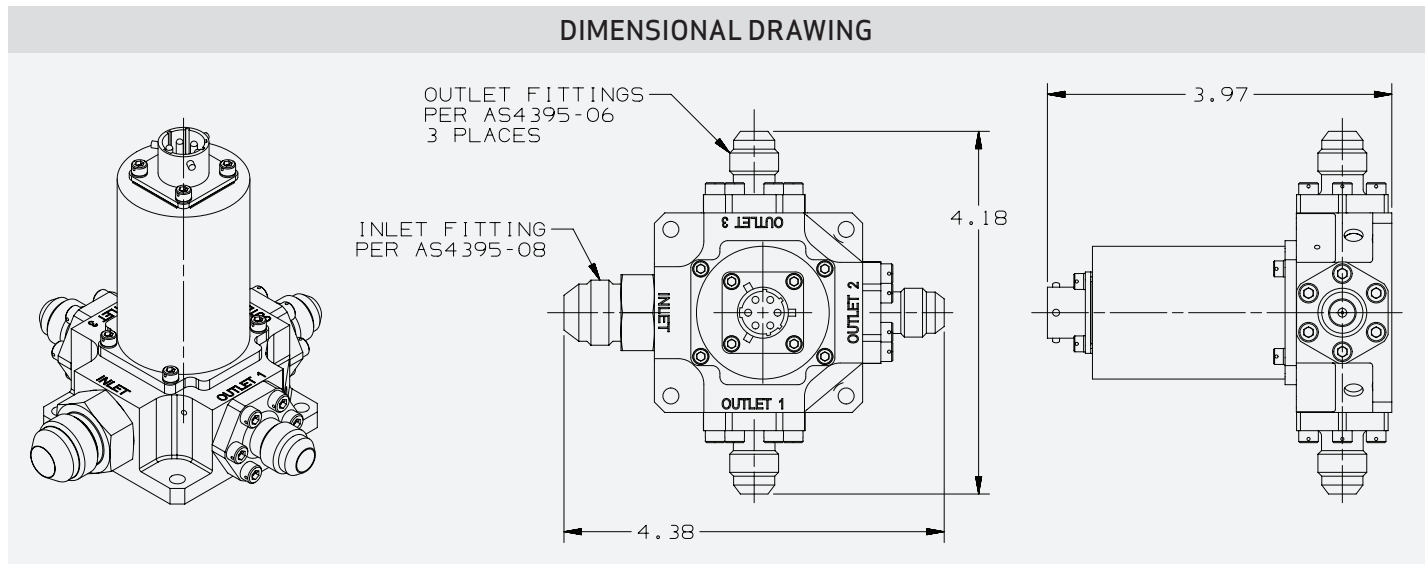
© Northrop Grumman

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



MOOG
SPACE AND DEFENSE GROUP

For More Information:

Chet Crone

+1 (818) 576-6823

ccrone@moog.com • www.moog.com



Moog Space and Defense



@MoogSDG



@MoogSDG



@MoogSDG



@MoogInc

Equipment described herein falls under the jurisdiction of the EAR and may require US Government Authorization for export purposes. Diversion contrary to US law is prohibited.

© 2021 Moog, Inc. All rights reserved.

Product and company names listed are trademarks or trade names of their respective companies.

Form 500-1102 0521