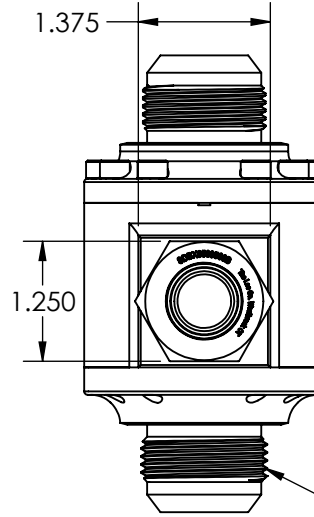
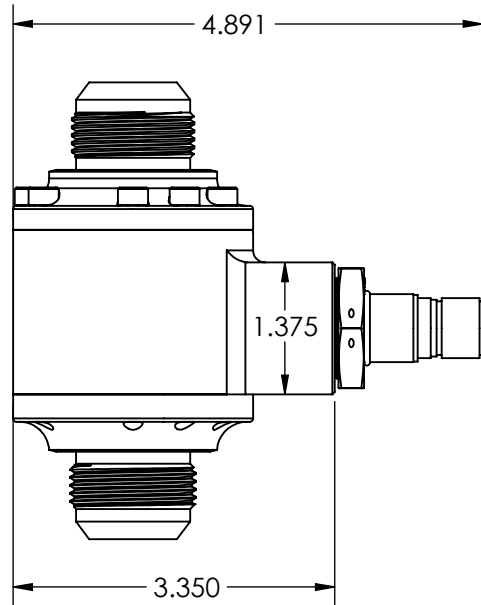
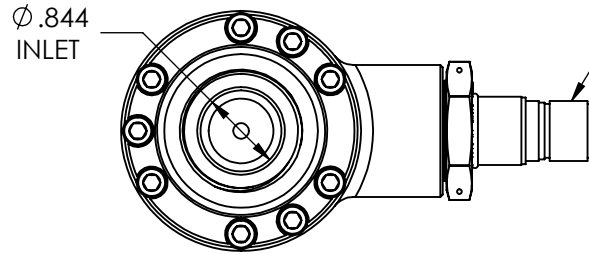
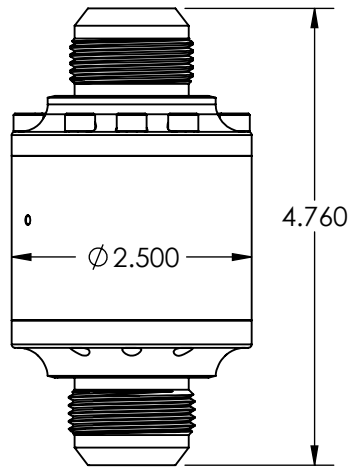
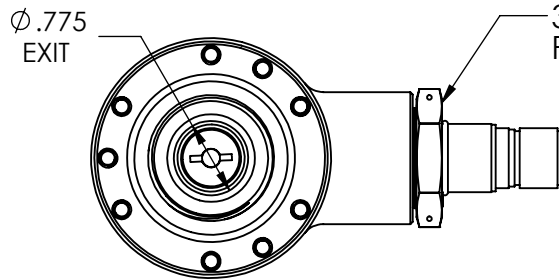


TS-160S VALVE SPECIFICATIONS:

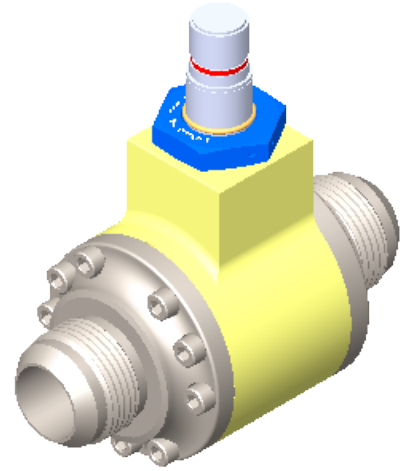
- 1.) Operating Pressures:
a.) Nominal :100-3,000 psi
b.) Proof Pressure: 4,500 psi
c.) Burst: 7,500 psi
- 2.) Service Fluid: Inert Gas - GN2, GHe, Hydraulic Fluid
- 3.) Flow Performance:
a.) Liquid Flow Coefficient (Cv): 13.0
b.) ESEOD: 0.85 in
c.) Opening Time: 100 ms
d.) Closing Time: 300 ms
- 4.) Fluid Connections: Male AN-16 37° Flare,
1.3125-12 UNJF Class 3A Threads
- 5.) Operating Temperature: -65 to 150 °F
- 6.) Materials of Construction:
a.) Main Body & Poppet: 7075-T651 Aluminum
b.) End Connections: PH 17-4 H1150 Stainless Steel
c.) O-ring Seals: EPDM
d.) Seat Material: PEEK
- 7.) Electrical:
a.) Voltage Range: 18-36 VDC
b.) Current Drain: 0.28 Amps at 28VDC at 70°F
c.) Electrical Connector: MIL-DTL-38999/25YA98PN
- 8.) Envelope Demensions:
a.) Length: 4.76in
b.) Width: 2.5 in
c.) Height: 4.91 in
- 9.) Weight: 2.34 lbs



AN-16 Male 37° Flare
Fitting End Connections
1.3125 - 12 UNJF Class 3A



Solenoid Electrical Connection:
MIL-DTL-38999/25YA98PN
Series III Class Y
Pin Arrangement 9-98



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: $\pm 1/32$ ANGULAR: MACH $\pm 1^\circ$ BEND 1° TWO PLACE DECIMAL ± 0.02 THREE PLACE DECIMAL ± 0.005	DRAWN	L.Colby	5/10/16
	CHECKED	L.Colby	7/15/16
	ENG APPR.	L.Colby	7/15/16
	MFG APPR.	L.Colby	7/20/16
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A. APPR.	L.Colby	7/20/16
MATERIAL 7075 & 17-4	COMMENTS:		
FINISH 32			
DO NOT SCALE DRAWING	CAD FILE: TS-160SA100 - In-Line Solenoid Piloted Valve Assembly.sldw		



TITLE:
TS-160S In-Line Solenoid
Piloted Poppet Valve

SIZE	DWG. NO.	REV
B	TS-160SA100	IR
SCALE: 1:2	WEIGHT: 2.34	SHEET 1 OF 2