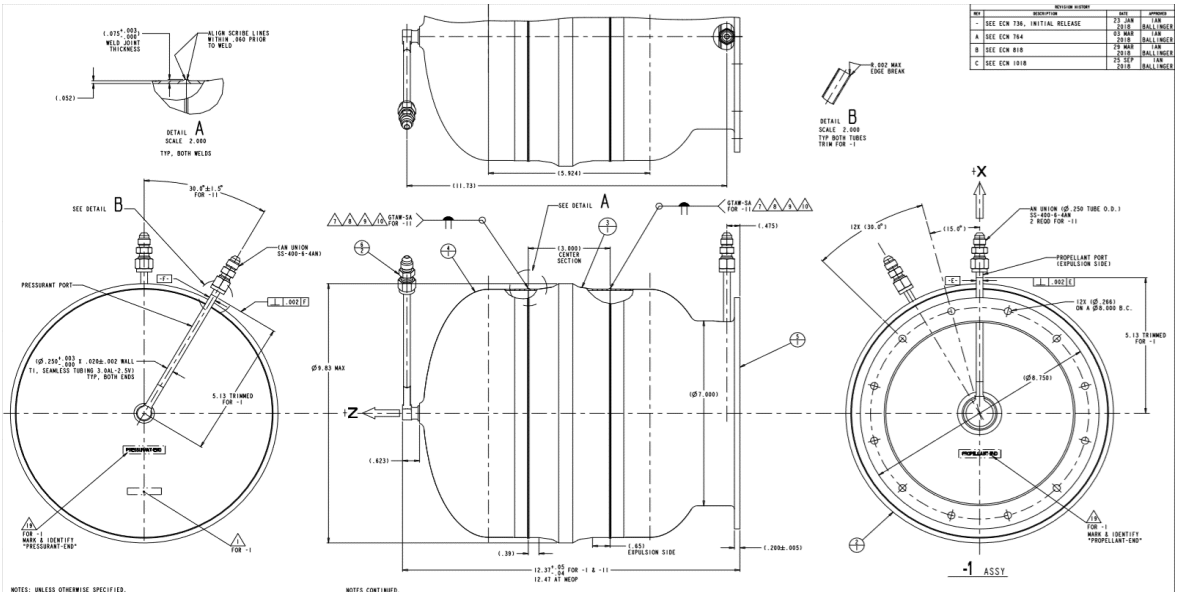
KEYSTONE ENGINEERING COMPANY

Part Number:		Size:	
1200000		9.83 OD x 11.73 Long	
Tank Type:	Mount Style:	Location:	Expulsion Device:
Diaphragm	Pedastal Mount		Rubber Diaphragm

Applicable Documents	Tank Characteristics:		Tank Characteristics (Metric):	
Diaphragm	Tank Volume	595	Total Volume, L:	9.75
1200100 A	Available Propellant Volume, in^3:	595	Propellant Volume, L:	9.75
Inlet Side Tank	Max Design Weight, lbs:	6.61	Max Design Weight, kg:	3
1200500 A	Minimum Wall Thickness, in:	0.033	Minimum Wall Thickness, mm:	0.838
Outlet Side Tank	Operating Pressure, psig:	450	Operating Pressure, bar:	31.03
1200900 A	Proof Pressure, psig:	562	Proof Pressure, bar:	38.75
Qualifications Test Report	Cryo Proof, psig:	N/A	Cryo Proof, bar:	N/A
A26723 A	Burst Pressure, psig:	800	Burst Pressure, bar:	55.16

Notes:	Tube Type:	Size:
Rupture pressure was not reached due to gauge limits Pressure of 1173 psig reached before pressure gauge limits reached. Calculated burst pressure was then found to be 1317 psi at inlet dome boss taper start.		

Applications Testing:	Qualifications Testing:	
	Internal Diaphragm Leakage Test	Pressure Drop Test
	Proof Pressure Test	Pressure Cycle Test
	External Leakage Test	Random Vibration Test
	Burst Test	



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