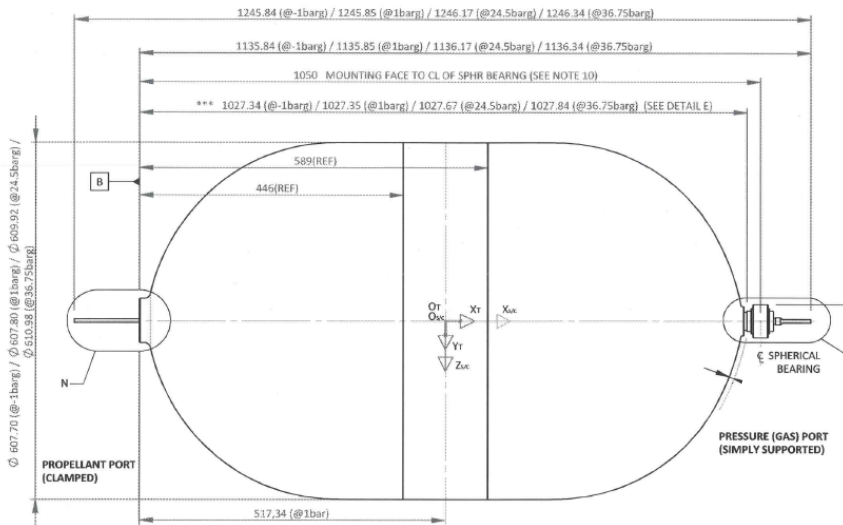


PTD-222

Monopropellant Diaphragm Tank - COTS



* Maximum Expected Operating Pressure

Heritage	Iridium NEXT	
Fluids	N ₂ H ₄ (Hydrazine)	
Pressurant Gas	He, N ₂	
Propellant Management	Diaphragm	
Materials	Shell	Ti-6Al-4V
	Tube	Ti-3Al-2.5V
	Diaphragm	EPDM
Mounting interface	polar	

Total Volume	221,0 – 222,8 l	13.486 – 13.596 in ³
Propellant Mass	164 / 184 kg max.	361,6 / 405,7 lbs
Temperature Range	+4 / +50 °C	+39,2 / +122 °F
Tank Dry Mass	17,08 ± 0,2 kg	37,6 ± 0,4 lbs
Diameter	607,75 ± 2 mm	23,93 ± 0,08 in
Length	1.027,35 /	40,45 / 40,25 in
	1.022,35 mm	
MEOP*	24,5 bar	355 psi
Proof pressure (x 1,50)	36,8 bar	533 psi
Burst pressure (x 2,00)	49,0 bar	711 psi
Rupture pressure tested	bar	psi

