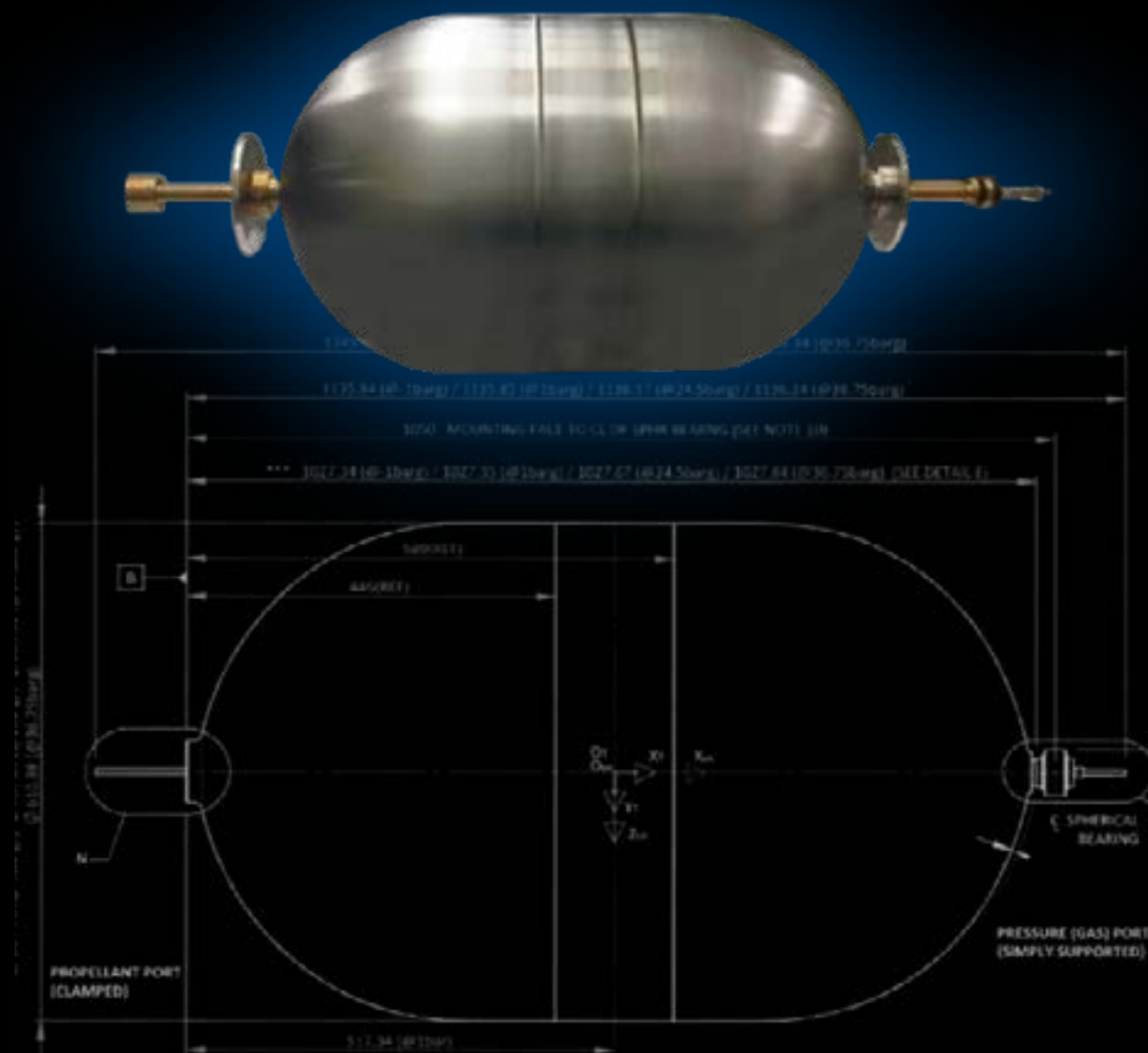


PTD-222

Monopropellant Diaphragm Tank – COTS



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 / 1.022,35 mm	40,45 / 40,25 in
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

* Maximum Expected Operating Pressure