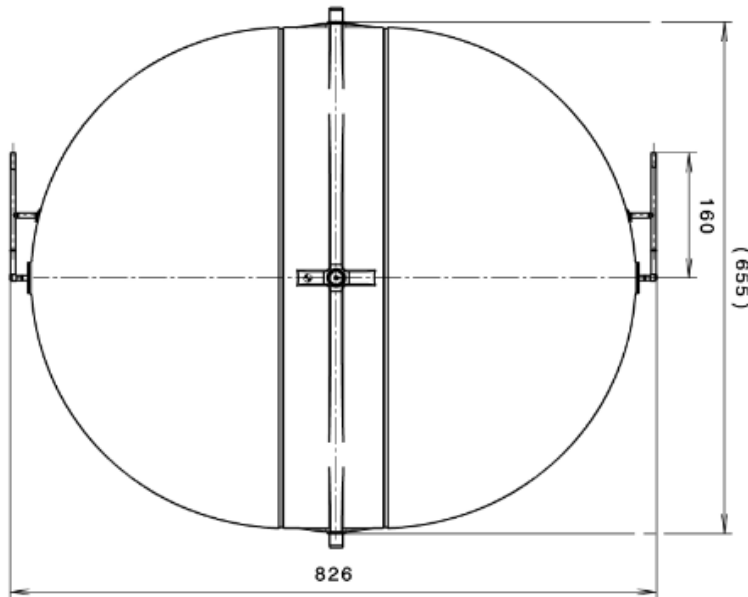


PTD-177

Monopropellant Diaphragm Tank - COTS



* Maximum Expected Operating Pressure

Heritage	Herschel Planck, Sentinel 3	
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	equatorial trunnions	
Total Volume	177 l	10.801 in ³
Propellant Volume	135 l	8.238 in ³
Temperature Range	0 / +50 °C	+32 / +122 °F
Tank Dry Mass	15,5 kg	34,2 lbs
Diameter	654,6 mm	25,77 in
Length	827,0 mm	32,56 in
MEOP*	24,0 bar	348 psi
Proof pressure (x 1,50)	36,0 bar	522 psi
Burst pressure (x 2,00)	48,0 bar	696 psi
Burst pressure tested	55,5 bar	805 psi

