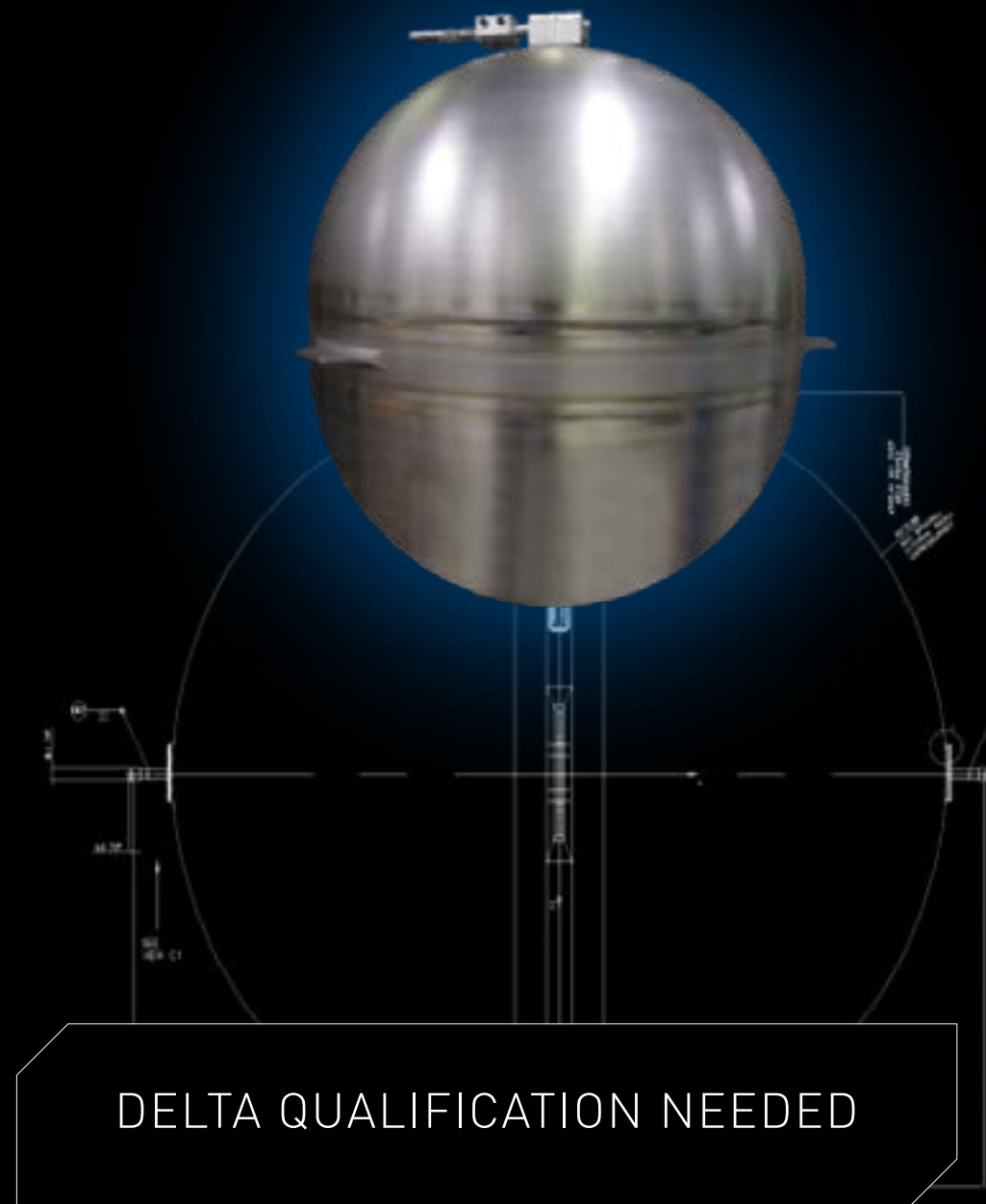


# PTD-96

## Monopropellant Diaphragm Tank – COTS with delta Qual



<b>HERITAGE</b>	Seastar, Goktürk, EnMap	
<b>FLUIDS</b>	N2H4 (Hydrazine)	
<b>PRESSURANT GAS</b>	He, N2	
<b>PROPELLANT MANAGEMENT</b>	Diaphragm; 4,5:1 blowdown	
<b>MATERIALS</b>	Shell	Ti-6Al-4V
	Tube	Ti-3Al-2.5V
	Diaphragm	EPDM
<b>MOUNTING INTERFACE</b>	equatorial mounting tabs	
<b>TOTAL VOLUME</b>	96 l	5.858 in <sup>3</sup>
<b>PROPELLANT MASS</b>	55 / 68 / 71 kg	121 / 150 / 157 lbs
<b>TEMPERATURE RANGE</b>	0 / +50 °C	+32 / +122 °F
<b>TANK DRY MASS</b>	8,2 kg	18,1 lbs
<b>DIAMETER</b>	545,0 mm	21,46 in
<b>LENGTH</b>	685,0 mm	26,97 in
<b>MEOP*</b>	24,0 bar	348 psi
<b>PROOF PRESSURE (x 1,50)</b>	36,0 bar	522 psi
<b>BURST PRESSURE (x 2,00)</b>	48,0 bar	696 psi
<b>RUPTURE PRESSURE TESTED</b>	72,1 bar	1046 psi

\* Maximum Expected Operating Pressure