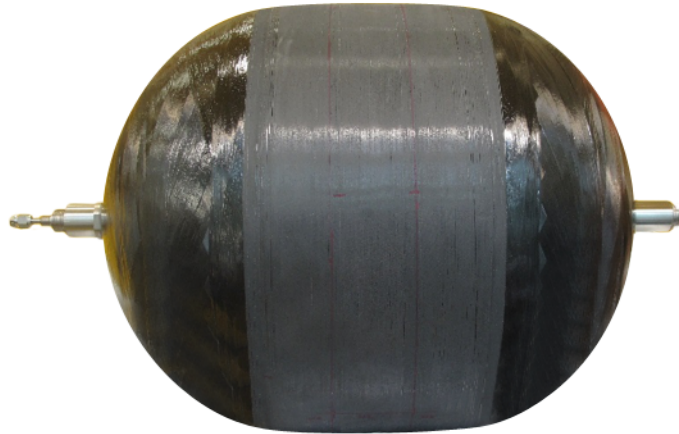


# PVG Family 40 - 75 L

## High Pressure Tank (HPV) – Helium/Nitrogen - COTS



<b>Heritage</b>	SpaceBus, MTG, Euclid, KARI	
<b>Fluids</b>	Helium, Nitrogen	
<b>Materials</b>	<b>Shell</b>	Ti-6Al-4V
	<b>Tube</b>	Ti-3Al-2.5V
	<b>Overwrap</b>	Epoxy-based CFRP / T800
<b>Mounting interface</b>	polar	

<b>Total Volume</b> (unpressurized)	40 – 75 L	2380 – 4577 in <sup>3</sup>
<b>Temperature Range</b>	- 30 / +60 °C	-22 / +140°F
<b>Tank Dry Mass</b>	8,5 – 14,4 kg	18,7 – 31,7 lbs
<b>Diameter</b> (max. pressurized)	432,0 mm	17,01 in
<b>Length</b> (max. pressurized)	467 - 728 mm	18,38 – 28,66 in
<b>MEOP*</b>	310,0 bar	4.496 psi
<b>Proof pressure</b> (x 1,25)	387,5 bar	5.620 psi
<b>Burst pressure</b> (x 1,50)	465,0 bar	6.744 psi
<b>Burst pressure tested</b>	633,0 bar	9.181 psi

