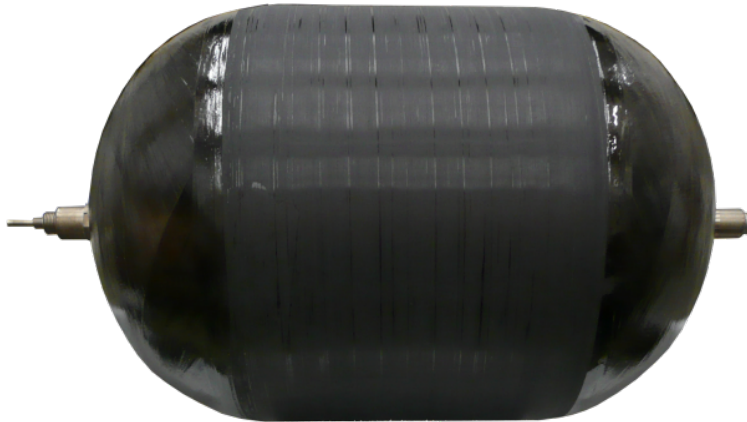


PVG-120

High Pressure Tank (HPV) – Helium/Nitrogen –
COTS with delta Qual



Delta Qualification
needed

* Maximum Expected Operating Pressure

Heritage	Extension of 40-75 litre HeHPV Family	
Fluids	Helium, Nitrogen	
Materials	Shell	Ti-6Al-4V
	Tube	Ti-3Al-2.5V
	Overwrap	Epoxy-based CFRP / T800
Mounting interface	polar	

Total Volume (unpressurized)	120 l	3.967 in ³
Temperature Range	- 30 / +60 °C	-22 / +140°F
Tank Dry Mass	23,5 kg	51,81 lbs
Diameter (max. pressurized)	432,0 mm	17,01 in
Length (max. pressurized)	mm	in

MEOP*	310,0 bar	4.496 psi
Proof pressure (x 1,25)	387,5 bar	5.620 psi
Burst pressure (x 1,50)	465,0 bar	6.744 psi
Burst pressure tested	633,0 bar	9.181 psi

