

PVG Family 40 - 75 L

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



HERITAGE	SpaceBus, MTG, Euclid, KARI	
FLUIDS	Helium, Nitrogen	
MATERIALS	Shell	Ti-6Al-4V
	Tube	Ti-3Al-2.5V
	Overwrap	Epoxy-based CFRP / T800
MOUNTING INTERFACE	polar	
TOTAL VOLUME (unpressurized)	40 - 75 L	2380 - 4577 in ³
TEMPERATURE RANGE	-30 / +60 °C	-22 / +140 °F
TANK DRY MASS	8,5 - 14,4 kg	18,7 - 31,7 lbs
DIAMETER (max. pressurized)	432,0 mm	17,01 in
LENGTH (max. pressurized)	467 - 728 mm	18,38 - 28,66 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

* Maximum Expected Operating Pressure