

PVG Family 80-120

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



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)	80-120 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

* Maximum Expected Operating Pressure