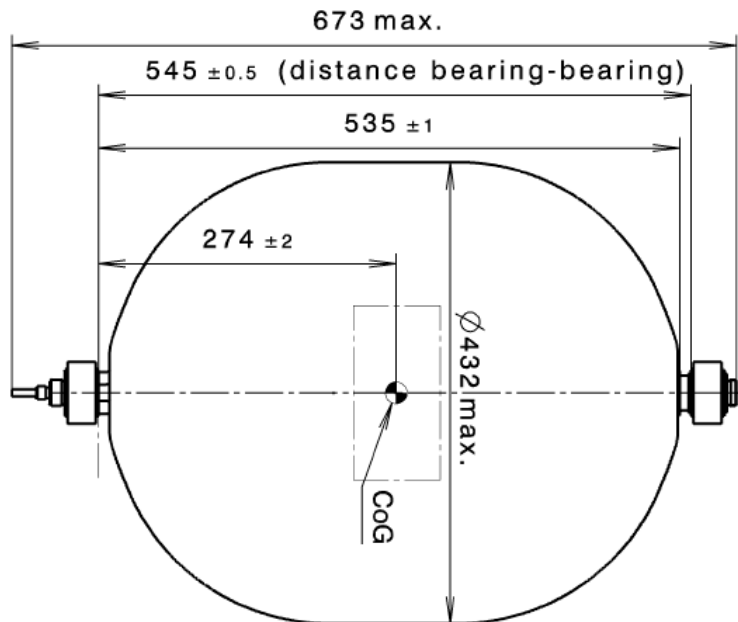
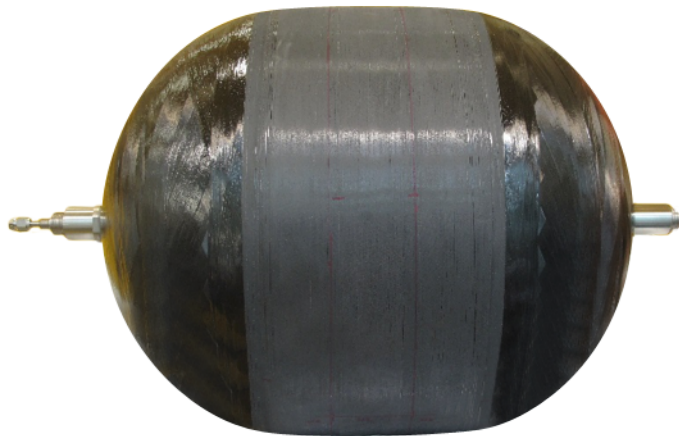


PVG-50

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



* Maximum Expected Operating Pressure

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

Total Volume (unpressurized)	50 l	3.051 in ³
Temperature Range	-30 / +60°C	-22 / +140°F
Tank Dry Mass	9,5 kg	20,9 lbs
Diameter (max. pressurized)	432,0 mm	17,01 in
Length (max. pressurized)	673,0 mm	26,50 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

