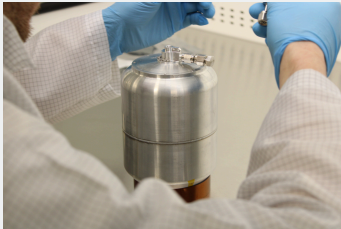


Propellant Tanks



LMO offers a wide range of tanks designed to provide a compact and efficient solution for small satellite applications, based on a bladder positive expulsion device. Materials and processes are chosen based on compatibility with both standard and newer green propellants. Thanks to their design and materials, LMO tanks can be provided in a short lead time and competitive price compared to conventional space propellant tanks.

Performance

Propellant Management Device:

- >98% Expulsion Efficiency
- >50 Cycles of the Bladder
- Up to 85-90% Fill Fraction
- 1 - 5 Litres

Temperatures

- Operating: 10 to 50 °C
- Non-Operating: -5 to 65 °C

Chemical Propellants

- HTP, LMP-103S, Water,
- Materials from aluminium, stainless steel, titanium and FEP, tailored for maximum compatibility

Pressure

- 8 to 24 bar MEOP
- Proof: 1.5x MEOP
- Burst: 4x MEOP

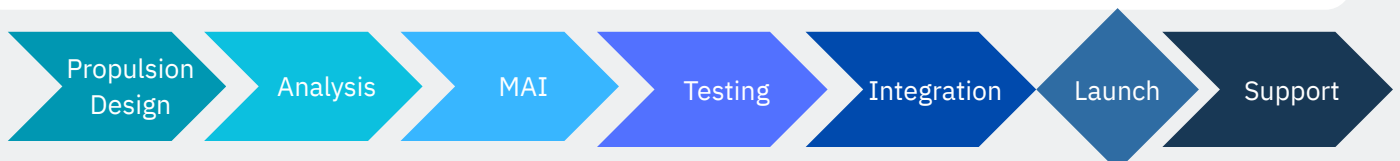
Cold Gas Propellants

- LMO tanks can be offered without a PMD for cold gas systems such as R134a

Interfaces

- Standard 1/4" tubing / AN fitting
- Tailored options available to suit

Performance	0.5L	1L	1L HP	1.16L	3.5L	6L
Total Volume	0.5 L	1.05 L	1.05 L	1.16 L	3.5 L	6 L
Propellant Volume	0.5 L	0.85 L	0.85 L	1 L	3.25 L	4.5 L
PMD?	No	Yes	Yes	Yes	Yes	Yes
MEOP	16.8	8	22	22.2	22	24
Proof	25.2	12	33	33.3	33	36
Burst (bar)	42	16	55	55.5	44	48
Dimensions (mm)	95 x 95	108 x 135	108 x 147	108 x 155	127 x 361	TBD
Mass (kg)	< 0.45	< 0.6	< 0.75	< 0.75	< 1.75	TBD



Let us keep in touch

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