

ELEVATING AIR MEDICAL TRANSPORT WITH LIQUID OXYGEN (LOX) SOLUTIONS

For more than 30 years, Spectrum Aeromed has been a trusted provider of air ambulance equipment solutions for customers worldwide. Based in Fargo, North Dakota, Spectrum Aeromed continues to lead the air medical industry, addressing changing demands with innovative solutions that support medical teams worldwide.



Why Liquid Oxygen (LOX) Matters

In response to the global trend toward longer-range medical flights, Spectrum Aeromed has integrated **Liquid Oxygen (LOX) technology** into multiple aircraft platforms. Compared to standard compressed tanks, LOX offers significant advantages:

- **5,000 or 10,000-liter** capacity in a basketball-sized orb
- Extended flight range without frequent refills
- **Up to 3x the capacity** of standard 3,500-liter compressed tanks
- Space-saving compact design ensures operational efficiency

Aircraft Compatibility & STC Integration

Spectrum Aeromed continues to anticipate market needs, with more LOX certifications planned to ensure that air ambulance operators are prepared to deliver the highest level of patient care. LOX systems are already incorporated into these five key Supplemental Type Certificate (STC) applications:

- **AgustaWestland AW109/119** - 10-liter orb
- **Bell 407 and Bell 429** - 10-liter orb
- **King Air 300 Series** - 10-liter orb
- **Pilatus PC-12** - 5-liter orb



1815 23rd Ave N Fargo, ND
+1 (701) 235-5478
Aeromed@Spectrum-Aeromed.com

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