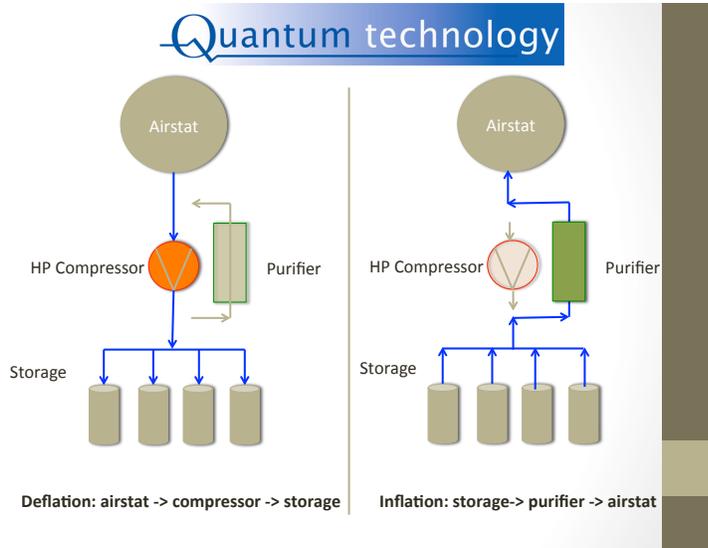


QARPS-XX – Quantum Recovery and Purification System for LTAs



Schematic of Quantum Recovery and Purification System for LTAs.



Quantum Recovery for a 200,000 cf airstat.

Over 96% of the helium was recovered.

Quantum Purification for a 200,000 cf airstat.

Purification happens during re-inflation.

Features:

- LTAs – Lighter-Than-Air systems (airships, blimps, air-stats, etc.) are a developing application for defense and commercial use.
- Repeated inflation/deflation of the LTA means potential for high costs and helium losses.
- Quantum developed a series of products to recover and purify helium from- and to LTA systems.
- Systems are customized to specific application – size of the LTA, expected duration for recovery and inflation, power source, etc.
- When enquiring/ordering, please let us know what size motor for the compressor you would like. For instance, if you would like a recovery flowrate of 100cfm, (170m³/hr), the motor should be around 100HP. Therefore the system is QARPS-100.

