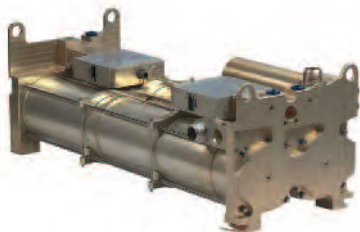


OBIGGS for military cargo aircraft

On-board inert gas generating system

A reliable and autonomous inerting system to protect the aircraft fuel tanks against any risk of fire or explosion



Due to its simple design the OBIGGS is a reliable equipment, generating nitrogen on board to fully protect the aircraft tanks against explosion. Based on a hollow fiber molecular separation process, the OBIGGS produces the flow of Nitrogen Enriched Air (NEA), keeping the ullage non-flammable.

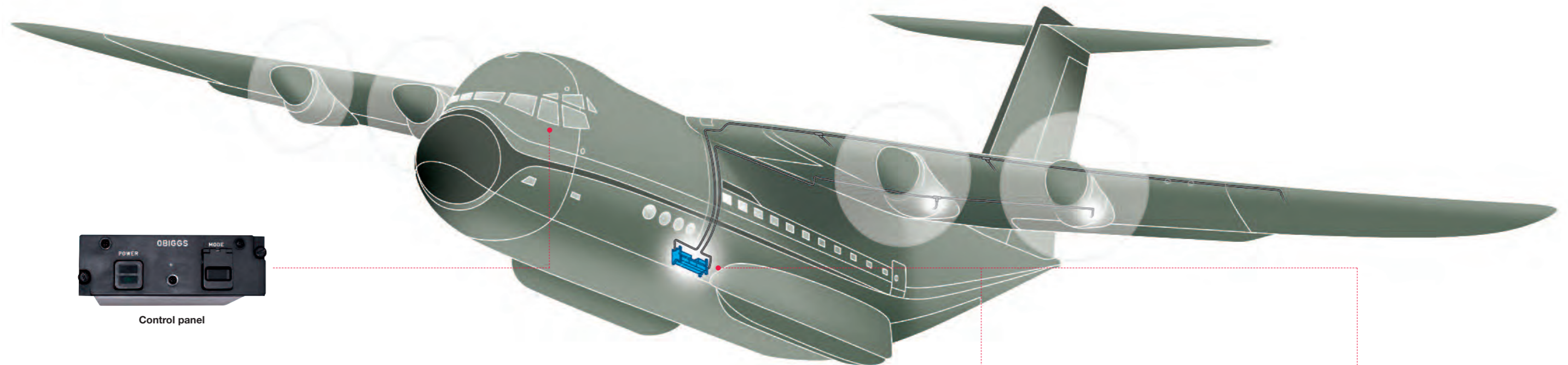
www.airliquideadvancedtechnologies.com

Why should you select an OBIGGS?

- To protect the aircraft fuel tanks against explosion and increase its survivability
- To improve crew members safety
- To avoid ground and logistics supports
- To choose a light and reliable inerting system

Why should you select an Air Liquide's OBIGGS?

The Air Liquide's OBIGGS has several pros coming from its up to date technology and the world wide recognized gas expertise of the Group



The pros of its technology and design:

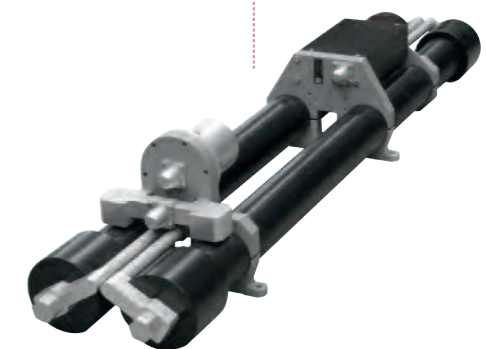
- Fast and accurate regulation of the gas
- Flexible and simple integration
- Compact lightweight system
- No calibration nor logistic
- Control signals to monitor the operational status of the equipment
- Reduced schedule maintenance
- Integrated controller
- Temperature Management System allowing to use bleed air with temperatures up to 400°C

The pros of Air Liquide expertise:

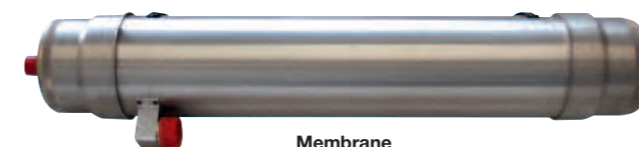
- Our expertise in the fields of gases separation, analysis and storage allows to offer a global solution adaptable to your needs, integrating:
- Definition of specifications
 - Gas distribution design (inerting modelling, piping sizing...)
 - Supply of well-proven distribution components (hollow fibers membrane...)
 - Manufacturing
 - Integration
 - Full support



Analyser



OBIGGS
On-board gas generating system



Membrane



Main technical characteristics

	Cargo aircraft	Training aircraft
• Weight	< 35 kg	< 10 kg
• Flow	up to 2 lb/min	up to 0,2 lb/min
• NEA (Nitrogen Enriched Air)	up to 1% O ₂	up to 4% O ₂
• Power supply	28 Vdc	28 Vdc

Separation by MEDAL hollow fibers membrane

References

- Alenia C27J military cargo aircraft
- CASA-EADS C295 military cargo aircraft

Contacts

Air Liquide

Advanced Technologies

2, rue de Clémencière
BP 15 - 38360 Sassenage - France
Phone: + 33 (0)4 76 43 66 46
Fax: + 33 (0)4 76 43 59 45
E-mail: gcom.alat@airliquide.com

www.airliquideadvancedtechnologies.com

