

Mobile Gaseous Nitrogen Generator GMAG

For aircraft ground support and airport operations



- ✓ Mobile and autonomous
- ✓ Easy to use
- ✓ Road and air transportable
- ✓ Elimination of logistics restraints
- ✓ High purity of the nitrogen produced (99.5%)
- ✓ Low operating and maintenance costs
- ✓ Compliant with STANAG 3624





How does it work?

This autonomous generation system uses a gas separation technology with a semi permeable membrane.

A membrane is a set of small diameter hollow polymer fibers. These fibers were selected to be more permeable to oxygen and oxygenated compounds (H_2O , CO_2) than to nitrogen.

Pressurized inlet gas is continuously separated as it passes through the fiber. Then, it is pressurized and filtered in order to reach the aeronautical quality (STANAG 3624), 99.5%.

The generator is equipped with a programmable logic controller that manages the start-up and production process.

GMAG is CE certified.

Technical characteristics

- Flow rate: 12 m³/hr (450 scf/h)
- Pressure: up to 385 bar (5 500 psi)
- Purity of nitrogen > 99.5%
- Electrical power supply: 400 V – 50 Hz
- Electricity consumption: 30 kW max
- Dimensions (L x w x h): 2.4 x 1.5 x 1.7m
- Weight: 1 650 kg

Contacts

Air Liquide Advanced Technologies

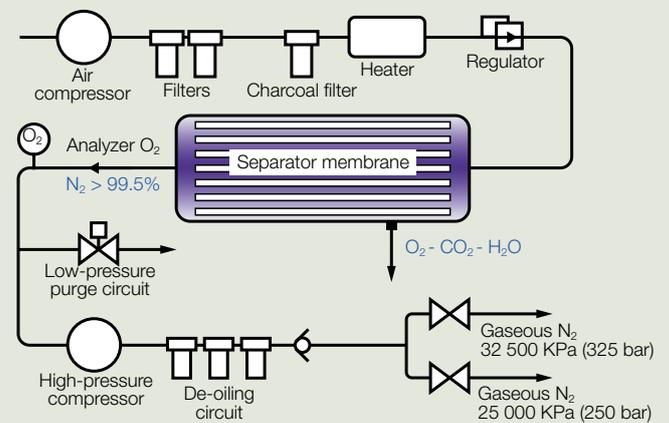
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GMAG is an autonomous gaseous nitrogen generator that ensures the availability of nitrogen for landing struts: fire inflation and pneumatic cylinders.

GMAG can also provide nitrogen for optronic applications.

Main components

- Low pressure air compressor
- Air gases separation system
- High pressure nitrogen compressor
- Integrated storage container
- Filters
- Distribution panel
- Integrated gas quality management and control system



Associated services

- Preventive and curative maintenance
- Technical assistance
- Spare parts
- Training

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