

# Stationary generator of pure gaseous nitrogen

## GENA 20

For aircraft ground support and airport operations



- ✓ Multipurpose: production, compression, storage and distribution
- ✓ Elimination of logistics restraints
- ✓ Easy to install and to use
- ✓ High purity of the nitrogen produced
- ✓ Adapted to harsh environment
- ✓ Low operating and maintenance costs



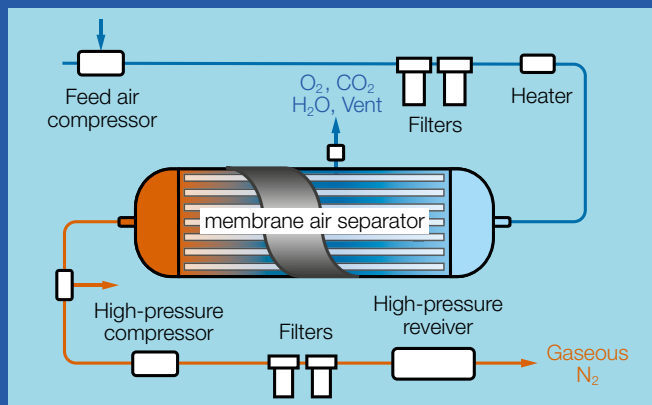


## How does it work?

The nitrogen generator is based on the membrane technology.

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 fibers. Then, it is pressurized and filtered in order to reach the aeronautical quality (STANAG 3624).

GENA 20 can fill-in cylinder rack storage capacity. All the separation system components are combined with a platform that supports a hood to make it easier to operate (comfort and ergonomics), protect the operators (safety) and protect it from environmental effects (dust, etc.).



The GENA 20 nitrogen generator is a fixed and compact high-purity (residual oxygen 2%) and high-pressure (300 bar - 4350 PSI) inert gas production unit.

It ensures the availability of nitrogen to be stored and used for landing struts: fire inflation and pneumatic cylinders.

## 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

## Technical characteristics

- Flow: 20 or 14 m<sup>3</sup>/h
- Pmax: 350 bar
- Size (L x w x h): 2.0 x 1.0 x 1.71m
- Weight: 1 040 kg
- Power: 400 V TRI - 11 kW

## Associated services

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



Cylinder rack storage capacity

## Contacts

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