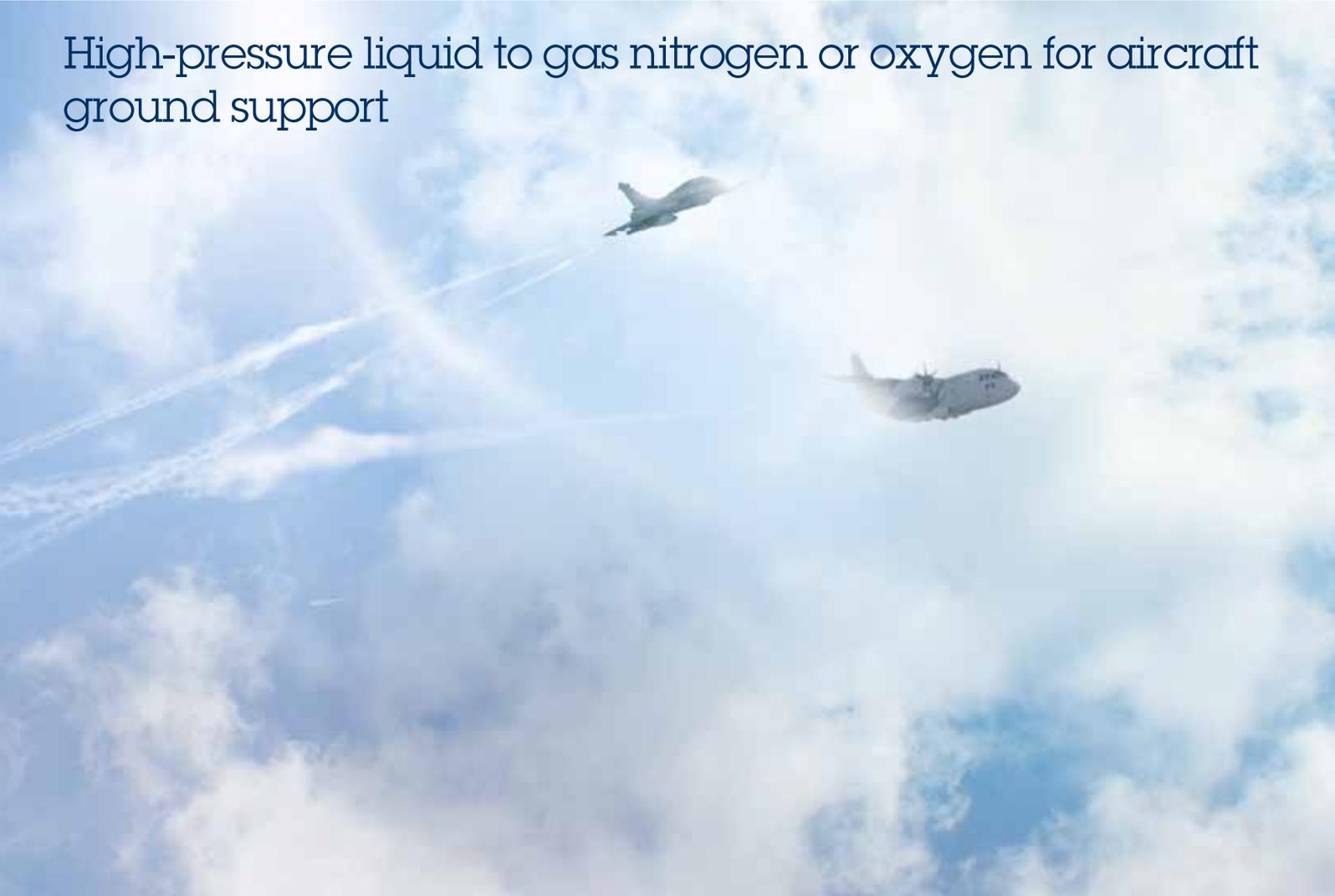


Gaseous Pressured Vaporization unit GPV

High-pressure liquid to gas nitrogen or oxygen for aircraft ground support



- ✓ Multipurpose: storage, compression, vaporizing, filling cylinders
- ✓ Security: avoid handling and transportation of high-pressure cylinders
- ✓ Autonomy: refuelling outposts gas unit
- ✓ Road and air transportable (C-130, A-400M...)





How does it work?

The GPV exists in nitrogen and oxygen distinct versions. The GPV is filled with liquefied gas from a stationary or mobile storage tank. Liquid gas is fed by high-pressure pump to a heater vaporizer and distributed in gaseous form to cylinders using a bench. The filling pressure can be adjusted from 250 to 325 bar.

The filling end is announced by sound and light alarms, motor power is automatically turned off.

GPV has been designed to meet the needs of air forces and civil aviation:

- Fill-in nitrogen for ground use cylinders and source of cold on-board,
- Fill-in oxygen for on-board converters and cylinders as source of breathable oxygen.

Main components

- Storage tank
- Control unit
- Pressurization heater
- Chassis and wheel assembly
- Flexible transfer hoses and accessories

Technical characteristics

- Liquid capacity: 250 litres
- Size (L x w x h): 2.04 x 1.3 x 1.51m
- Flow: 54 Nm³/h N₂ or 70 Nm³/h O₂
- Pmax: 325 bar N₂ or 250 bar O₂
- Weight: 850 Kg

Associated services

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



Contacts

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