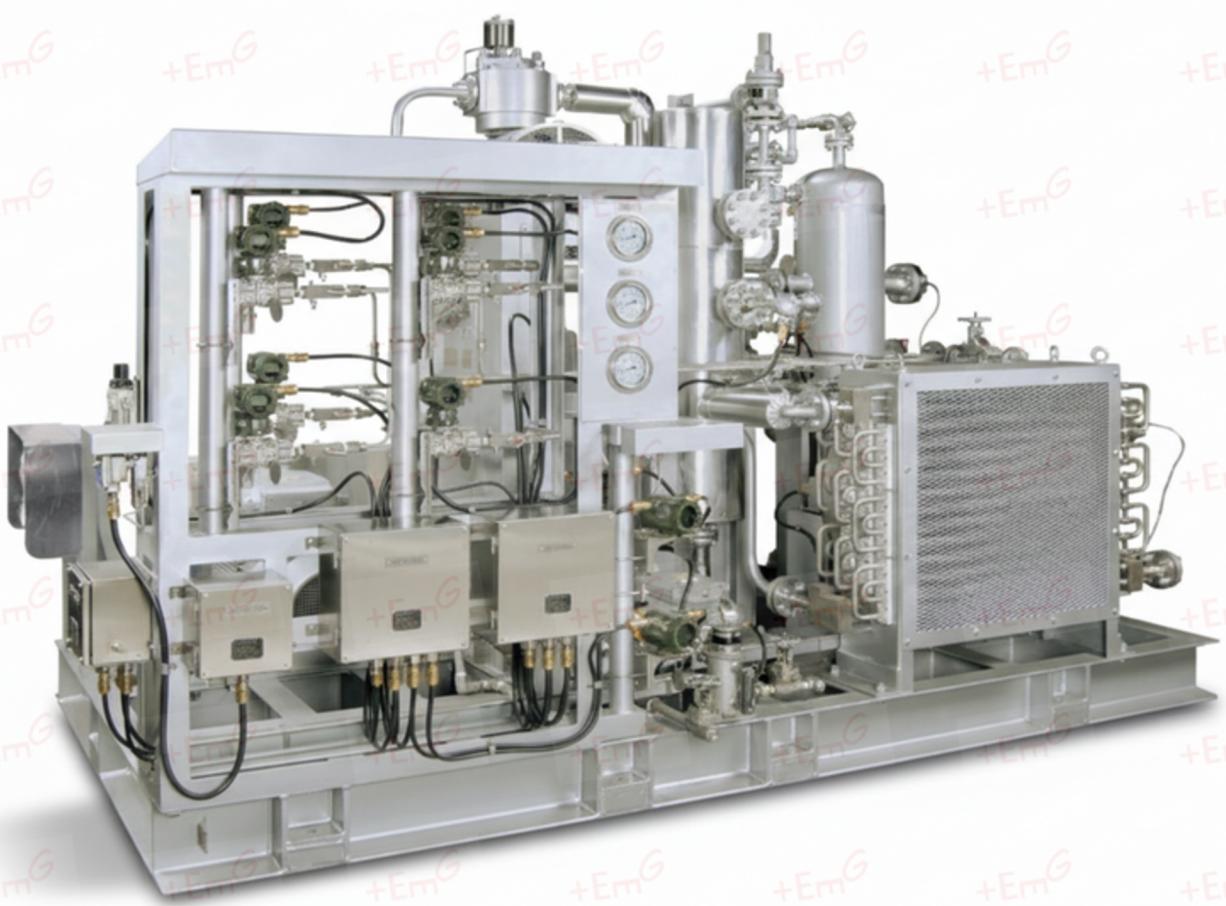




Technical Data Sheet

Nitrogen Compressor Package - Model VS2A-22GH-OL



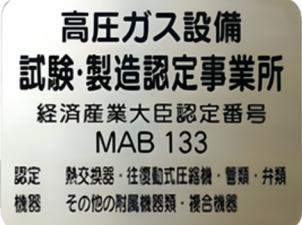
QUALITY MANAGEMENT SYSTEM ISO 9001



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1. Product Overview

The Model VS2A-22GH-OL is a 2-stage, air-cooled vertical reciprocating compressor designed for nitrogen gas service in environments where water cooling utilities may be unavailable or impractical.

Featuring an oil-free cylinder design, this unit ensures high-purity nitrogen compression without contamination. The air-cooled configuration significantly simplifies installation and maintenance by eliminating the need for cooling water piping and towers, making it ideal for remote industrial sites or standalone nitrogen generation packages.

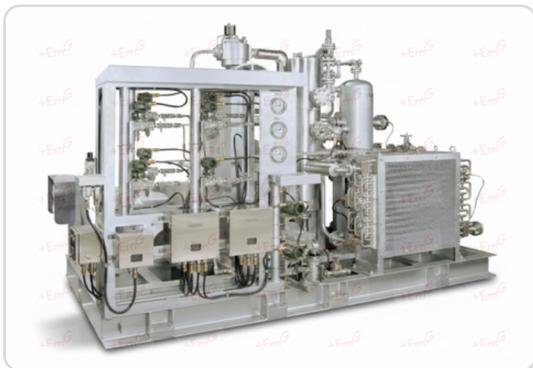


Figure 1: VS2A-22GH-OL

2. Technical Specifications

2.1 A. Operational Conditions

Parameter	Value	Unit
Handled Gas	Nitrogen (N ₂)	-
Capacity (Flow Rate)	125	m ³ /h
Suction Pressure	6.2 ~ 6.9	barG
Discharge Pressure	5,601	kPaA

2.1 B. Mechanical Data

Parameter	Value	Unit
Compressor Type	Vertical Reciprocating	-
Cooling Method	Air-Cooled	-
Number of Stages	2	Stages
Lubrication Type	Oil-Free	Cylinder
Motor Output	18.5	kW
Drive System	V-Belt Drive	-

3. Key Design Features & Advantages

- Air-Cooled Design:** Eliminates cooling water requirements, reducing utility costs and simplifying installation in remote or water-scarce locations.
- 2-Stage Compression:** Enables efficient compression to higher pressures (up to ~56 barA) compared to single-stage units.
- Oil-Free Gas Path:** Prevents oil migration into the nitrogen stream, ensuring process purity.
- Compact Vertical Frame:** The vertical arrangement saves valuable floor space and allows for easy skid mounting.

6. Project Reference

SONATRACH (Algeria). Nitrogen Compressor for Oil/Gas Facility. Status successfully commissioned and operating.