

Air Driven Gas Booster

This air driven gas booster is suitable for compressing most gases, including nitrogen, helium, and hydrogen. Industrial gases like Argon and Nitrogen can be compressed to operating pressures of 25000 psig (1724 bar).



ADDITIONAL IMAGES



Overview

High-Efficiency Air Driven Gas Booster

This air-driven gas booster is a versatile, non-lubricated solution designed for compressing a wide variety of industrial gases including Nitrogen, Helium, and Oxygen. It operates without electrical power, making it ideal for explosion-proof areas and hazardous environments where heat or sparks must be avoided. With its ability to stall at predetermined pressures and hold them without power consumption, it offers an energy-efficient alternative for pressure testing and gas transfer applications.

Key Features

Features

- ★ Because it has a higher compression ratio, it can work at lower gas supply pressure Ps.
- ★ Max. air drive pressure Pa=150 psig(10.3 bar).
- ★ Choice of seal materials.
- ★ Pressure to 15000 psig(1034 bar).
- ★ No lubricator required.

Highlights including high compression ratio, seal material options, and non-lubricated design.

Operational Benefits

- No airline lubricator required
- Separation between air and gas sections
- Built-in cooling system
- Infinitely variable cycling speed and output
- Automatic control compatibility
- No lubrication in the gas section for high purity

Safety & Certifications

ATEX Approved, CE Certified, Explosion Proof, No Heat Risk, No Spark Risk

Technical Performance

Performance Highlights

150 psig

Max Air Drive Pressure

25000 psig

Max Pressure (Inert Gas)

10.3 bar

Max Air Drive Pressure

Compatible Gases

Air • N₂ • He • CO₂ • Ne • Ar • O₂ • H₂ • CH₄ • Natural Gas

Maximum Pressure by Gas Type

Gas Type	Max Pressure (psig)	Max Pressure (bar)
Industrial Gases (Argon, Helium, Nitrogen)	25000	1724
Hydrogen	15000	1034
Oxygen	5000	345

Model Specifications

AGB06 Series Performance Data

Model Code	Max Rated Outlet (psig)	Actual ML/Cycle	Max Compression Ratio
AGB06-1T-4	1250	164	100:1
AGB06-1T-7/15	4050	216	50:1
AGB06-1T-15/30	7500	102	50:1
AGB06-1T-15/75	15000	102	100:1
AGB06-1T-30/75	15000	51	60:1

Construction

Booster Configuration	Single Drive, Double Stage
Cooling System	Built-in cooling