Air Driven Gas Booster

This air driven gas booster is suitable for compressing most gases, including nitrogen, helium, and hydrogen. Industrial gases like Argon, Helium and Nitrogen can be compressed to operating pressures of 25000 psig (1724 bar),Oxygen to 5000 psig (345 bar), Hydrogen to 15000 psig bar (1034 bar).

Product Overview

High-Efficiency Air Driven Gas Booster

This air-driven gas booster is a versatile and robust solution for compressing a wide variety of industrial gases, including Nitrogen, Helium, Argon, and Hydrogen. Designed for high-pressure applications, it offers an explosion-proof alternative to electric boosters, capable of reaching pressures up to 25,000 psig without heat or spark risk. Its non-lubricated gas section ensures high gas purity, making it ideal for sensitive industrial processes.

Performance Metrics

Key Performance Metrics

25000 psig	150 psig	25 :1
Max Outlet Pressure	Max Air Drive Pressure	Max Compression Ratio

Technical Specifications

Performance and Specification

Booster Model Code	Max.Rated Gas Supply	Min.Rated Gas Supply	Max.Rated Gas Outlet(psig)			Actual ML Per Cycle	Outlet Stall Press. Formula	Compression Ratio Max.	Inlet & Outlet Gas Ports
			Inert Gas	Hydrogen	Oxygen				
AGB06-2D-14	3500psig	25psig	5000	5000	5000	432ML	14 Pa+Ps	20:1	3/8"F NPT
AGB06-2D-30	5000psig	50psig	5000	5000	5000	203ML	30 Pa+Ps	20:1	1/4"HF
AGB06-2D-60	9000psig	200psig	9000	9000	5000	102ML	60 Pa+Ps	25:1	1/4"HF
AGB06-2D-100	15000psig	100psig	15000	15000	5000	64ML	100 Pa+Ps	25:1	1/4"HF
AGB06-2D-150	25000psig	250psig	25000	15000	N/A	39ML	150 Pa+Ps	25:1	1/4"HF

HF means female high pressure connection.

Detailed performance specifications including supply pressure, outlet pressure, and displacement for various models.

AGB06 Series Comparison

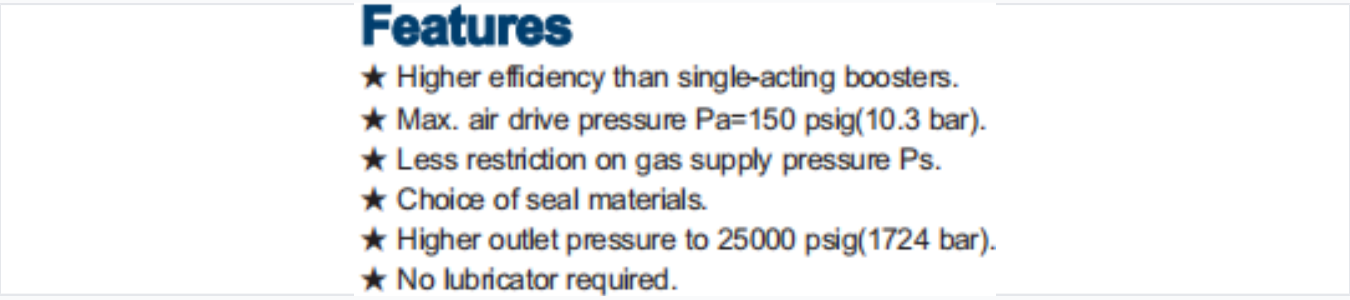
Model	Max Gas Supply (psig)	Min Gas Supply (psig)	Max Outlet (Inert)	Displacement/Cycle
AGB06-2D-14	3500	25	5000	432ML
AGB06-2D-30	5000	50	5000	203ML
AGB06-2D-60	9000	200	9000	102ML
AGB06-2D-100	15000	100	15000	64ML
AGB06-2D-150	25000	250	25000	39ML

Gas Port Connections	3/8" FNPT or 1/4" HF (High Pressure Female)
Max Air Drive Pressure	10.3 bar

Gas Compatibility

Supported Gases	Air, N_2, He, CO_2, Ne, Ar, O_2, H_2, CH_4, Natural Gas

Product Features



Key features highlighting the efficiency, pressure limits, and seal material options of the AGB06 series.

Core Features

- Double Drive Double Acting design for higher efficiency
- No lubrication required in the gas section to prevent pollution
- Ability to stall at predetermined pressure without power consumption
- Built-in cooling system
- Infinitely variable cycling speed and output
- Separation between air and gas sections
- No heat, flame, or spark risk (Explosion-proof suitable)

Certifications

Compliance & Certification

ATEX Approved • CE Certified