Air Driven Gas Pressure Booster

This air driven gas booster is suitable for compressing most gases, including nitrogen, helium, and hydrogen. Industrial gases can be compressed to operating pressures of 25000 psig (1724 bar), and it features single, double acting, and two-stage models.

Overview

High-Performance Air Driven Gas Pressure Booster

This air-driven gas booster provides a reliable and efficient solution for compressing a wide variety of industrial gases, including Nitrogen, Helium, Argon, and Hydrogen, to high operating pressures. Designed for safety and longevity, it operates without heat, flame, or spark risks, making it ideal for explosion-proof areas. The system's non-lubricated gas section ensures high gas purity, while its ability to stall at predetermined pressures allows for energy-efficient pressure holding without heat generation.

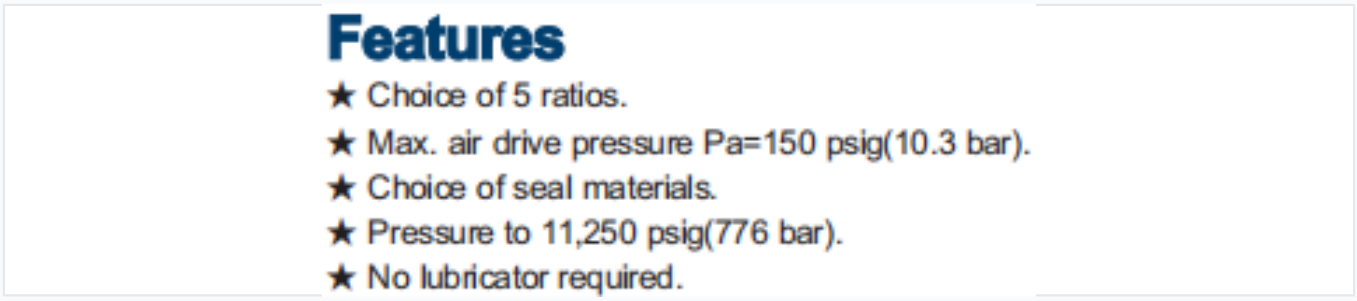
Key Capabilities

Maximum Operating Pressures

25000 psig	15000 psig	5000 psig
Industrial Gases (N2, He, Ar)	Hydrogen (H2)	Oxygen (O2)

Compatible Gases	Air, N2, He, CO2, Ne, Ar, O2, H2, CH4, Natural Gas

Technical Features



Summary of key features including pressure ratings up to 11,250 psig and non-lubricated operation.

Design Benefits

- No heat, flame, or spark risk
- No airline lubricator required
- Separation between air and gas sections
- Built-in cooling system
- Infinitely variable cycling speed
- No lubrication in gas section for high purity

Compliance & Safety

ATEX Approved • CE Certified • Explosion Proof Area Compatible

AGB06 Series Performance

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				
AGB06-1S-7	1050psig	25psig	1050	1050	1050	216ML	7 Pa	20:1	3/8"FNPT
AGB06-1S-15	2250psig	50psig	2250	2250	2250	102ML	15 Pa	20:1	1/4"HF
AGB06-1S-30	4500psig	100psig	4500	4500	4500	51ML	30 Pa	25:1	1/4"HF
AGB06-1S-50	7500psig	100psig	7500	7500	5000	32ML	50 Pa	25:1	1/4"HF
AGB06-1S-75	11250psig	250psig	11250	11250	5000	20ML	75 Pa	25:1	1/4"HF

HF means female high pressure connection.

Detailed performance metrics and model comparisons for the AGB06 series gas boosters.

Model Specifications

Model Code	Max Gas Supply (psig)	Max Outlet (psig)	ML Per Cycle	Compression Ratio
AGB06-1S-7	1050	1050	216	20:1
AGB06-1S-15	2250	2250	102	20:1
AGB06-1S-30	4500	4500	51	25:1
AGB06-1S-50	7500	7500	32	25:1
AGB06-1S-75	11250	11250	20	25:1

Operational Requirements

Inlet & Outlet Gas Ports

- 3/8" FNPT
- 1/4" HF (Female High Pressure Connection)

Max Air Drive Pressure	150 psig