

# Air Driven Gas Booster

This air driven gas booster is suitable for compressing various gases, including air, nitrogen, and helium. 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 (1034 bar).



## Overview

### High-Performance Air Driven Gas Booster

This air-driven gas booster provides a reliable and efficient solution for generating high-pressure gas without the need for electrical power, making it ideal for explosion-proof environments. It features a robust design with separation between air and gas sections to ensure high purity and zero pollution. With the ability to stall at predetermined pressures and hold without consuming power, it offers an energy-efficient alternative for pressure testing, gas transfer, and accumulator charging.

## Key Performance Metrics

### Performance Highlights

**20000 psig**

Max Outlet Pressure

**150 psig**

Max Air Drive Pressure

**25 :1**

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				
AGB06-2S-60	9000psig	200psig	9000	9000	5000	51ML	60 Pa	25:1	1/4"HF
AGB06-2S-100	12000psig	100psig	12000	12000	5000	32ML	100 Pa	25:1	1/4"HF
AGB06-2S-150	20000psig	250psig	20000	15000	5000	20ML	150 Pa	25:1	1/4"HF

HF means female high pressure connection.

Detailed performance metrics for AGB06 series models including pressure ratings and compression ratios.

### Model Performance Comparison

Model Code	Max Gas Supply (psig)	Max Outlet Inert Gas (psig)	ML Per Cycle	Stall Pressure Formula
AGB06-2S-60	9000	9000	51	60 Pa
AGB06-2S-100	12000	12000	32	100 Pa
AGB06-2S-150	20000	20000	20	150 Pa

### Gas Port Connections

1/4" HF (Female high pressure connection)

## Gas Compatibility

### Supported Gases

Air, Nitrogen (N<sub>2</sub>), Helium (He), Carbon Dioxide (CO<sub>2</sub>), Neon (Ne), Argon (Ar), Oxygen (O<sub>2</sub>), Hydrogen (H<sub>2</sub>), Methane (CH<sub>4</sub>), Natural Gas

## Operational Features

### Features

- ★ Choice of 3 ratios.
- ★ Max. air drive pressure Pa=150 psig(10.3 bar).
- ★ Choice of seal materials.
- ★ Higher outlet pressure to 20000 psig(1379 bar).
- ★ No lubricator required.

Key features including high outlet pressure capabilities and lubricator-free operation.

### Core Features

- No heat, flame, or spark risk during operation
- Infinitely variable cycling speed and output
- No airline lubricator required
- Built-in cooling system
- Double drive, single acting configuration
- Automatic control compatibility
- Zero gas pollution (no lubrication in gas section)

### Explosion Proof

Yes

## Compliance & Safety

### Certifications

ATEX Approved • CE Certified