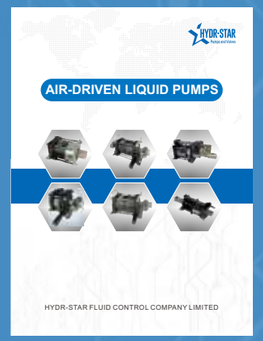


HYDR·STAR
Pumps and Valves

AIR-DRIVEN GAS BOOSTER

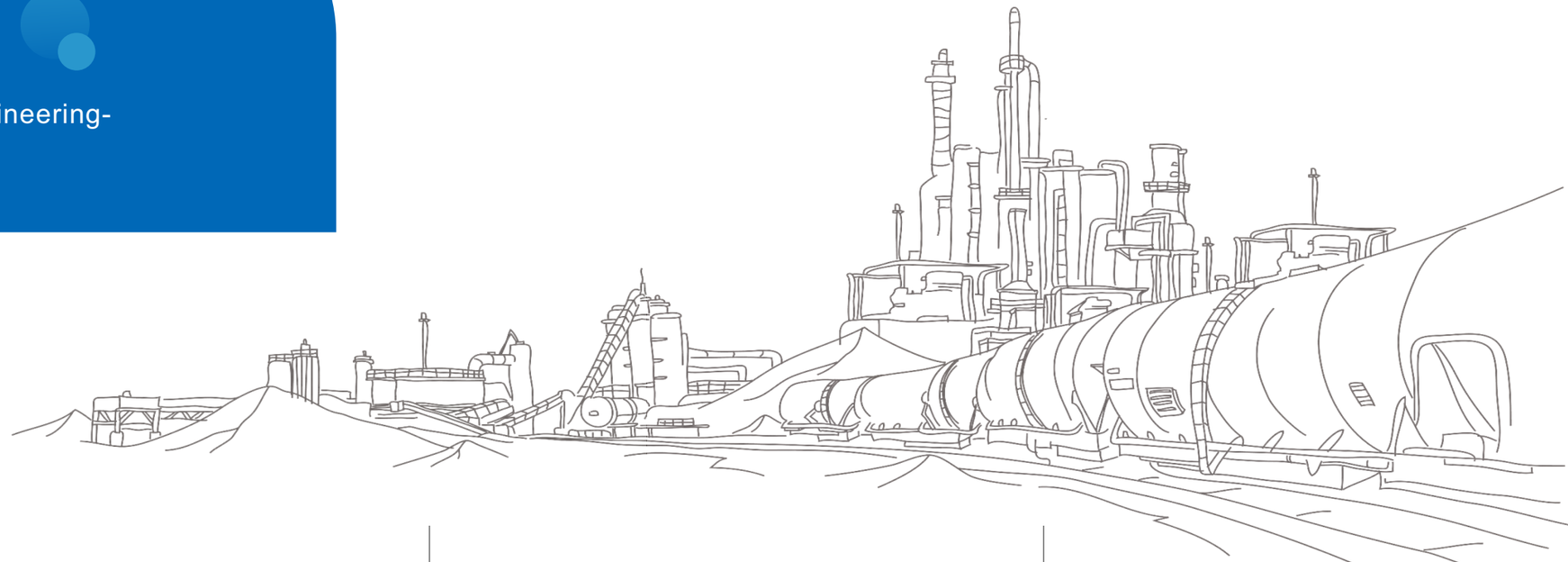
HYDR-STAR FLUID CONTROL COMPANY LIMITED

HYDT-STAR

China's Premium Manufacturer of High-Pressure Fluid Pumps & Valves

We specialize in independent R&D and design of engineering-supporting products to fulfill clients' tailored needs.

HYDT-STAR's pumps and valves are widely used in various industries.We provide quality products and services with international standard for many well know andoutstanding companies worldwide. Choose HYDR-STAR, we will provide you with comprehensive products and professional services.



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About HYDR-STAR

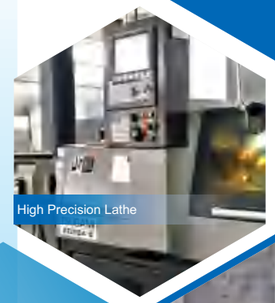
HYDR-STAR Fluid Control Company Limited specialize and focus on the R&D, design and manufacture of stainless steel instrumentation valves, high pressure valves, control valves, high pressure pumps and boosters with international standard.

The company occupies 54 acres and owns 20,000 square meters of modern workshop and office buildings; an engineering team with more than 15 years of professional fluid control technology; advanced testing and manufacturing equipment; complete quality control system; customer oriented, timely and professional sales team and superior services to provide high quality products and solutions for the global fluid control industry.

HYDR-STAR passed the ISO9001 quality management system certification and our products passes SIL and EAC certification. Our products are recognized by clients and customers in Middle East, European Union, Russia, China and other countries.

After years of hard work, HYDR-STAR has become an industry leader and has established list of regular customers from around the globe. Our products are being used in oil&gas, petrochemical, energy, mining, aerospace, military, automotive, firefighting and conventional hydraulic machinery Industries.

Committed to high-end ultra-high and high pressure pump,booster and valve internationlization


High Precision Lathe

Become the global leader in fluid control industry

Because focus So professional

Warehouse

Three Coordinate Measuring Machine

Product Test Chamber

Manufacturing Capability

Production Scale and Equipment:

1,The complex spans 8.9 acres (54 mu), with a 2,000-square-meter office building and an assembly workshop reaching 6,000 square meters in area.

2,Equipped with over 70 high-end imported machines, including CNC machine tools, multi-tasking machines, multi-axis machining centers, Swiss-type lathes, and precision internal honing machines.

3,Features a comprehensive array of testing equipment such as optical inspection systems, spectrometers, surface roughness testers, hardness testers, spring testing machines, universal material testing machines, hydrostatic pressure testers, airtightness testers, and helium mass spectrometers.

Technical Expertise

R&D Team

The company's R&D team consists of senior engineers with over 20 years of experience in fluid control. Additionally, the company operates a technical R&D center in Wuhan, attracting top technical talent.

Patent Portfolio

As of January 2025, the company holds 36 invention and utility model patents spanning fluid control, advanced manufacturing processes, and related fields.

Core Technologies

1,Proprietary Ultra-High-Pressure Sealing Technology – Long lifespan and cost-effectiveness.

2,Specialized Material Treatment Processes – High-pressure resistance with guaranteed safety.

3,Innovative Pump & Valve Structural Designs – Easy maintenance and user-friendly operation.

Accreditations & Certifications

The company has been recognized with prestigious certifications, including National High-Tech Enterprise, Hubei Provincial "Specialized, Refined, Distinctive, and Innovative" Enterprise, and Hubei Provincial Hidden Champion Enterprise (awarded to niche market leaders). Its R&D efforts remain focused on ultra-high-pressure systems, corrosion-resistant materials, and intelligent control technologies. Products comply with ATEX Explosion-Proof Certification and SIL Functional Safety Certification, meeting stringent industrial requirements.

Certifications & Honors

- Hubei Provincial Hidden Champion Enterprise (awarded to niche market leaders)
- Hubei Provincial "Specialized, Refined, Distinctive, and Innovative" Enterprise (official recognition under China's industrial policy)
- Certified to ISO 9001:2015 Quality Management System Standard
- Products Certified with CE, ATEX, SIL, and EAC International Standards
- National High-Tech Enterprise (Certificate No.: Gr202242000099)

VMC

A corner of workshop

▶ Application Industries (Typical)

01 Pressure Testing

02 Hydraulic Tools

03 Automotive Industry

04 Chemical Industry

05 Oil & Gas

06 Refrigerant Charging

07 New Energy

08 Aerospace & Defense

Descriptions of the boosters

Features

- Suitable for most gases (**Air, N2, He, CO2, Ne, Ar, O2, H2,CH4,Natural Gas**...).
- 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)**.
- Single, double acting, and two - stage models.
- Reliable, easy to maintain, compact and robust.
- No heat, flame or spark risk.
- Infinitely variable cycling speed and output.
- Air driven boosters are an efficient alternative instead of electrically driven products and can be used in explosion proof areas.
- Easy to apply automatic controls.
- No limit or adverse affect to continuous stop/start applications.
- Seal systems designed for long working life.
- No airline lubricator required.
- Separation between air and gas sections.
- Built - in cooling.
- Ability to stall at any predetermined pressure and hold the fixed pressure without consuming power or generating heat.
- ATEX approved,CE certified.
- There is no lubrication in the gas section. It will not pollute the gas and ensure the high purity of the gas.
- The gas supply can be used to extremely low pressure, which improves the gas utilization.

Technical Description

There are two distinct sections: **the air - driven section** and **the gas barrel section**.

Air - Driven Section:

Under normal circumstances, the seals of the air - driven cylinder should operate reliably within the temperature range of (25°F~150°F) (-4°C~65°C).

> **Note:** Lower temperature will cause driving gas leakage; higher temperature will shorten the seal life.

HYDR - STAR recommends following the ISO 8573.1 standard, with the driving gas quality not lower than grade 4. In extremely low - temperature working conditions, please consult us.

Gas Barrel Section:

Generally, low temperature has less impact on parts and seals. The heat generated by gas compression is beneficial to the cylinder parts and seals, but the maximum allowable operating temperature is 115°C (240°F).Under normal circumstances, internal exhaust cooling is used, which can keep the temperature from exceeding this value. In special cases, water cooling can also be selected.

> **Warning:** It is not allowed for the inlet pressure to be lower than the "Minimum Inlet Pressure P_s " value in the selection table, as this may damage the equipment. Because each air pump has a fixed maximum compression ratio. When the supply pressure is too low, the gas in the high - pressure cylinder cannot be pressurized to a certain pressure, and the high - pressure piston moves back and forth without being able to output gas. The gas will be repeatedly compressed/released under high pressure.

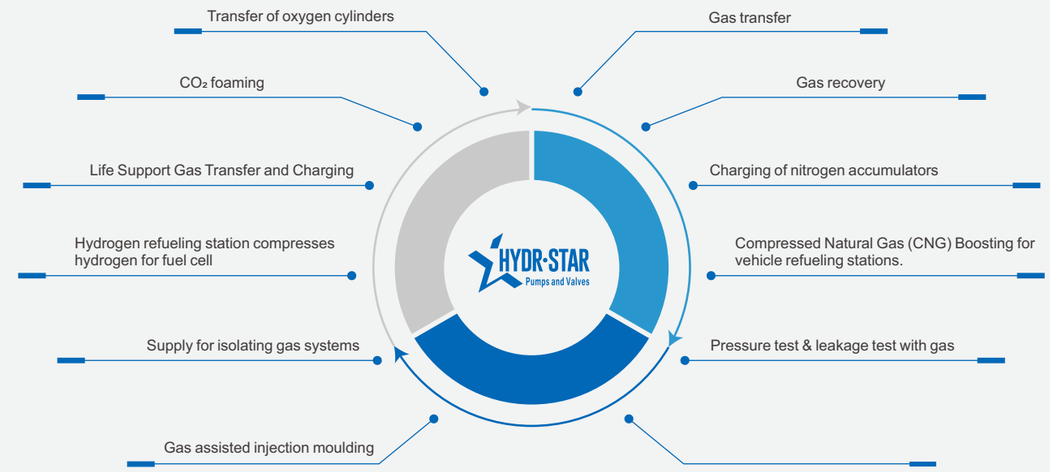
Working Frequency:

The maximum stroke frequency is 100 times per minute, based on a 50% work load. For long - term operation or high - load working conditions, it is recommended that the downward stroke frequency does not exceed 60 times per minute.

Structure Introduction

- **Multiple model options:** HYDR - STAR pneumatic air pumps have a variety of models, allowing the best pump to be selected for each application.
- **Flexible configuration:** Single - stage, double - acting, or double - stage booster pumps, or combinations of these forms, can be used to achieve different working pressures and flow rates.
- **Basic model:** The single - acting, single - drive pump is the basic form of the pump.
- **Efficient output:** The double - acting single - stage pump has twice the output flow rate of the single - acting single - stage pump.
- **High - pressure performance:** Double - stage pumps have a high gas compression ratio and high pressure.

Applications



Model Code Explanation

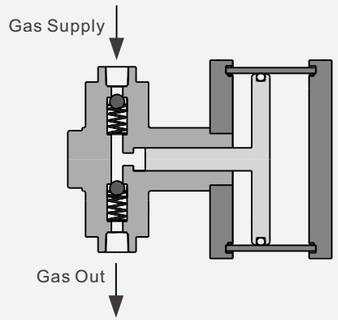
- All model codes listed in the legends later in this manual are standard models.
- Working Condition Type Expansion:
  - For applications in oxygen working conditions, add “-O” after the model.
  - For applications in hydrogen working conditions, add “-H” after the model.
- Material Replacement Requirement: Add “-V” after the model (replace all static and dynamic nitrile rubbers in the air - pump drive part with fluororubber seals).
- Special Interface Requirement: Add “-X” after the model (needs to have an external pilot interface in the air - drive part).

> **Custom Service Instructions:**
>
> Other sizes, materials, and types of pumps can be provided according to customer requirements.
>
> If there are special requirements, **please contact us**.

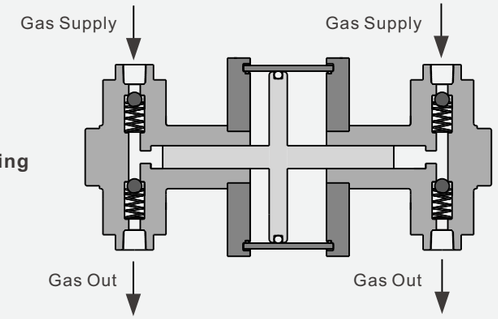
Types of the boosters

Schematic Diagram

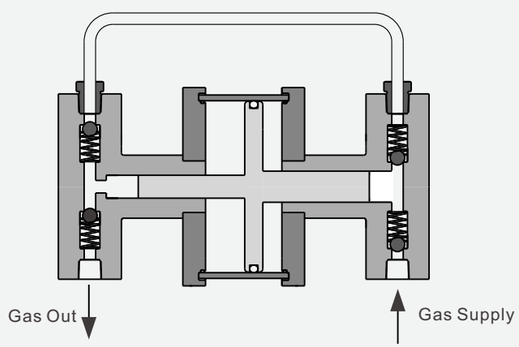
Single Drive,Single Acting



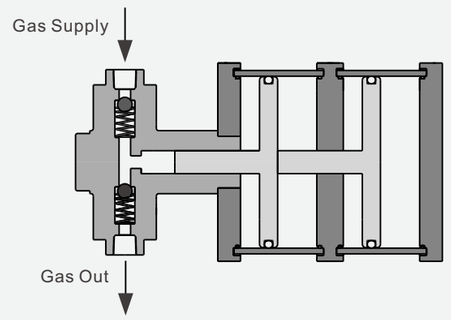
Single Drive,Double Acting



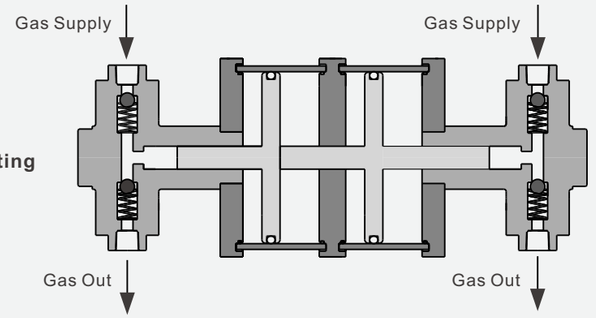
Single Drive,Two Stage



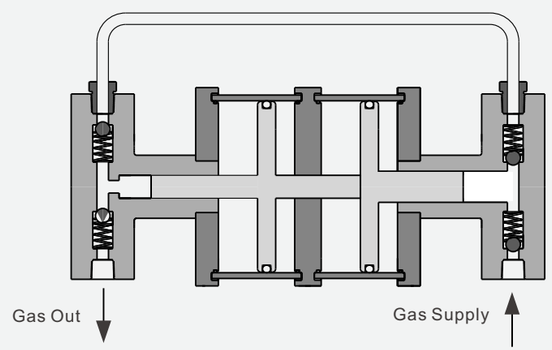
Double Drive,Single Acting



Double Drive,Double Acting



Double Drive,Two Stage



AGB06 Series ▶ Single Drive Single Acting

▶ Features

- Choice of 6 ratios.
- Max.air drive pressure Pa=150 psig(10.3bar).
- Choice of seal materials.
- Gas outlet pressure up to 11250 psig(776bar).
- No lubricator required.

Pa: Air Drive Pressure | Ps: Gas Inlet Pressure.

▶ Performance and Specification

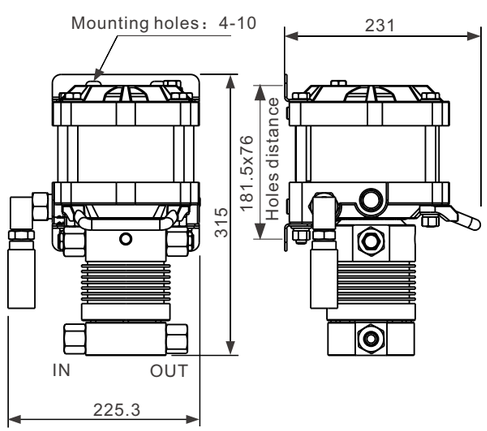
Booster Model Code	Max.Rated Gas Supply	Min.Rated Gas Supply	Max.Rated Gas Outlet(psig)			Actual ML Per Cycle	Outlet Stall Press.Formula	Compression Ratio Max	Inlet & Outlet Gas Ports	Air Drive Port
			Inert Gas	Hydrogen	Oxygen					
AGB06-1S-4	1250	25	1250	1250	1250	163ML	4・Pa	20:1	3/8"FNPT	3/4"FNPT
AGB06-1S-7	1050	25	1050	1050	1050	216ML	7・Pa	20:1	3/8"FNPT	3/4"FNPT
AGB06-1S-15	2250	50	2250	2250	2250	102ML	15・Pa	20:1	1/4"HF	3/4"FNPT
AGB06-1S-30	4500	100	4500	4500	4500	51ML	30・Pa	25:1	1/4"HF	3/4"FNPT
AGB06-1S-50	7500	100	7500	7500	5000	32ML	50・Pa	25:1	1/4"HF	3/4"FNPT
AGB06-1S-75	11250	250	11250	11250	5000	20ML	75・Pa	25:1	1/4"HF	3/4"FNPT

HF means female high pressure connection.

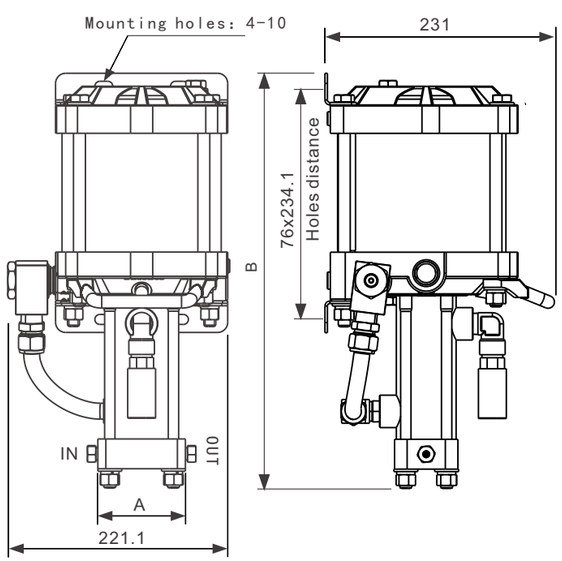
▶ Dimensions

in.(mm)

AGB06-1S-4



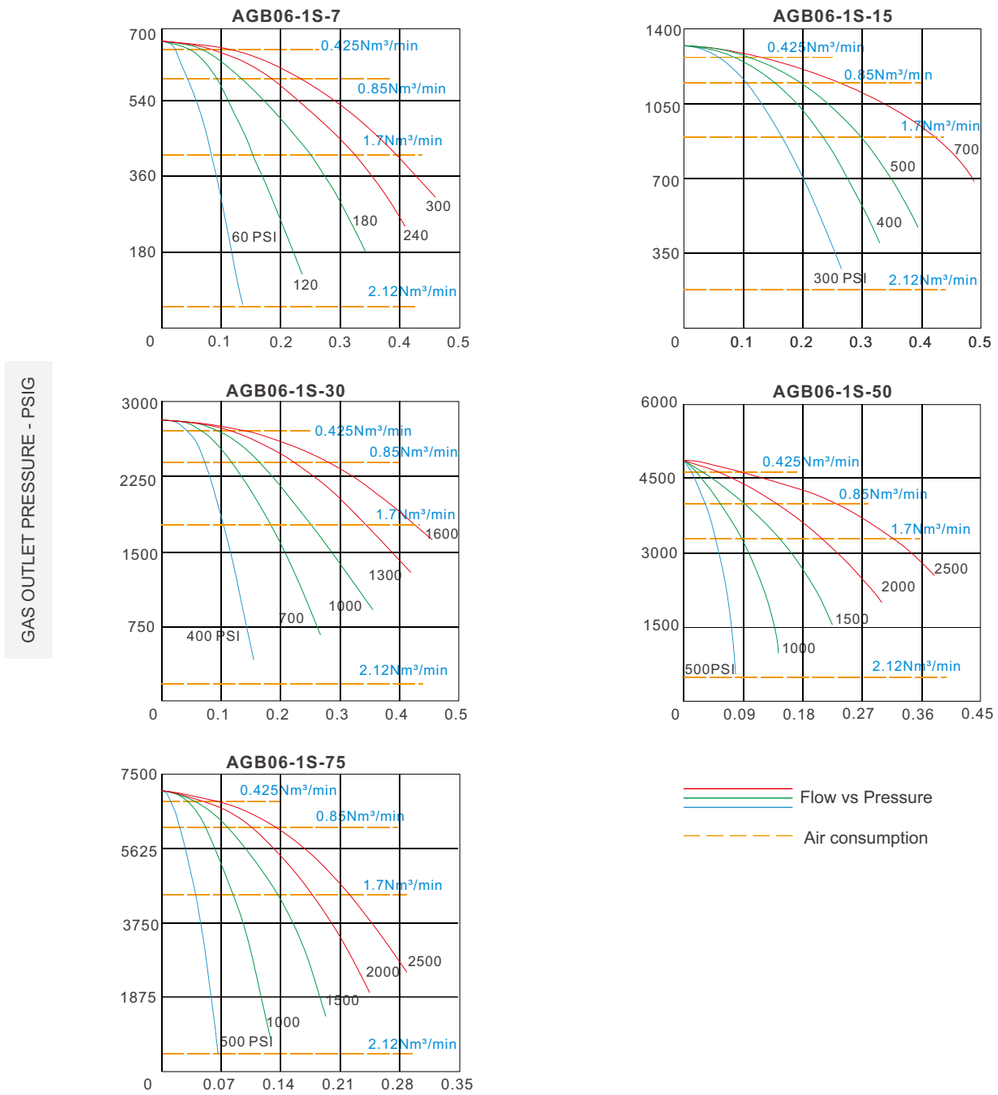
All other boosters except AGB06-1S-4



Remarks: For AGB06-1S-7， A = 4.97in.(126.4mm).B =16.8in.(426.4mm).For other boosters,A = 3.46in.(88mm).B = 16.4in.(416.4mm).

▶ Performance Curves

(Air drive source of approximately 90 psig)



AGB06 Series ▶ Double Drive Single Acting

▶ Features

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

Pa: Air Drive Pressure | Ps: Gas Inlet Pressure.

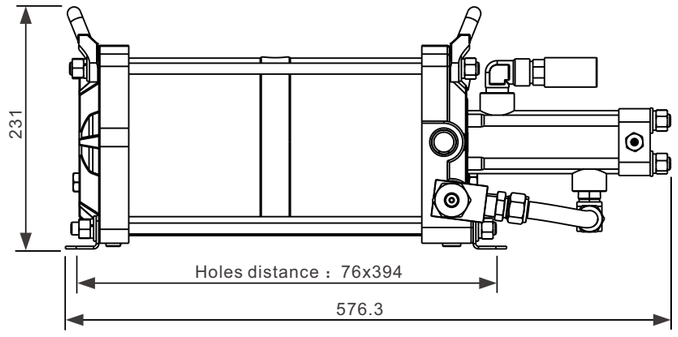
▶ Performance and Specification

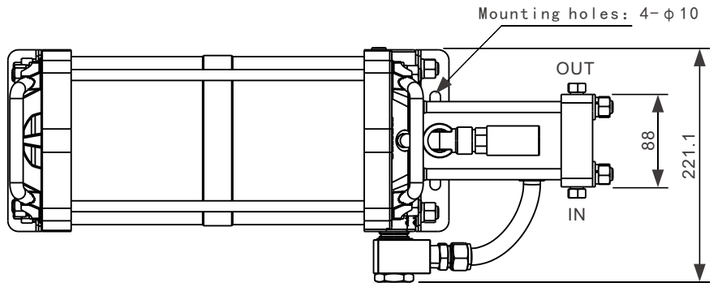
Booster Model Code	Max.Rated Gas Supply	Min.Rated Gas Supply	Max.Rated Gas Outlet(psig)			Actual ML Per Cycle	Outlet Stall Press.Formula	Compression Ratio Max	Inlet & Outlet Gas Ports	Air Drive Port
			Inert Gas	Hydrogen	Oxygen					
AGB06-2S-60	9000	200	9000	9000	5000	51ML	60・Pa	25:1	1/4"HF	3/4"FNPT
AGB06-2S-100	12000	100	12000	12000	5000	32ML	100・Pa	25:1	1/4"HF	3/4"FNPT
AGB06-2S-150	20000	250	20000	15000	5000	20ML	150・Pa	25:1	1/4"HF	3/4"FNPT

HF means female high pressure connection.

▶ Dimensions

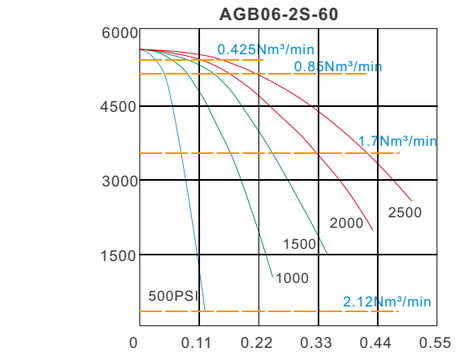
in.(mm)

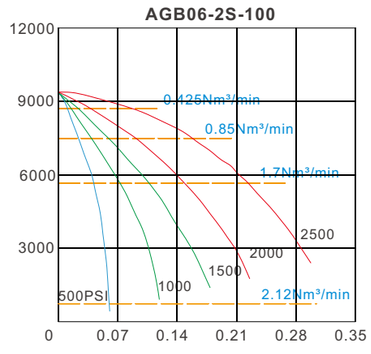


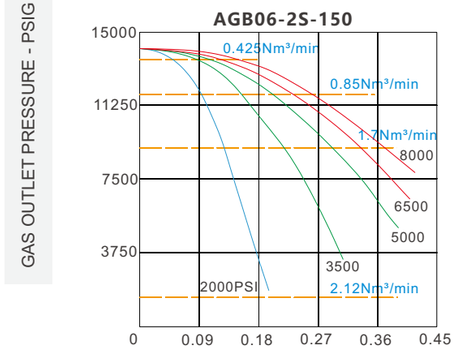


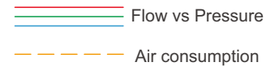
▶ Performance Curves

(Air drive source of approximately 90 psig)









GAS OUTLET PRESSURE - PSIG

GAS OUTLET FLOW - Nm³/min

AGB06 Series ▶ Triple Drive Single Acting

▶ Features

- Choice of 2 ratios.
- Max.air drive pressure Pa=150 psig(10.3bar).
- Choice of seal materials.
- Gas outlet pressure up to 39000 psig(2689bar).
- No lubricator required.

▶ Performance and Specification

Pa: Air Drive Pressure | Ps: Gas Inlet Pressure.

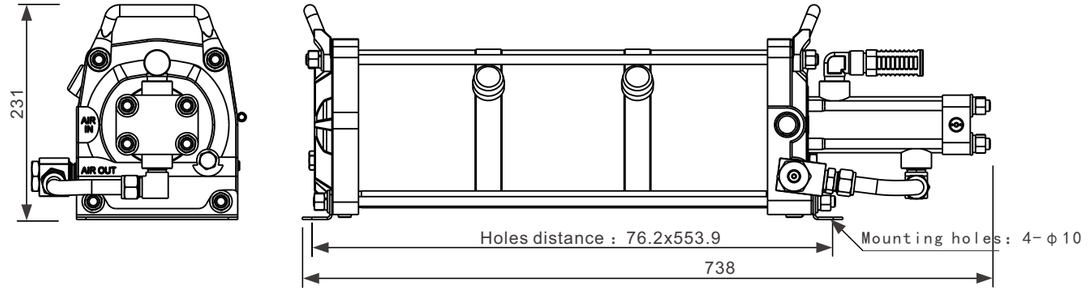
Booster Model Code	Max.Rated Gas Supply	Min.Rated Gas Supply	Max.Rated Gas Outlet(psig) Inert Gas	Hydrogen	Oxygen	Actual ML Per Cycle	Outlet Stall Press.Formula	Compression Ratio Max	Inlet & Outlet Gas Ports	Air Drive Port
AGB06-3S-225	22500	250	22500	15000	5000	19.6ML	225・Pa	20:1	1/4"HF	3/4"FNPT
AGB06-3S-300	39000	500	39000	15000	5000	14.6ML	300・Pa	10:1	1/4"HF	3/4"FNPT

HF means female high pressure connection.

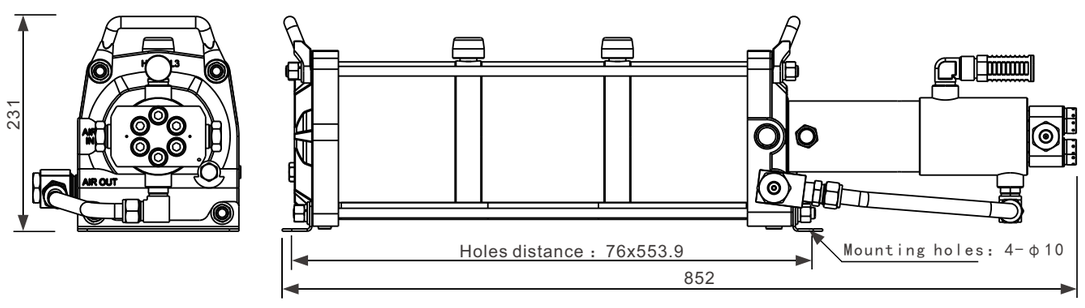
▶ Dimensions

in.(mm)

AGB06-3S-225

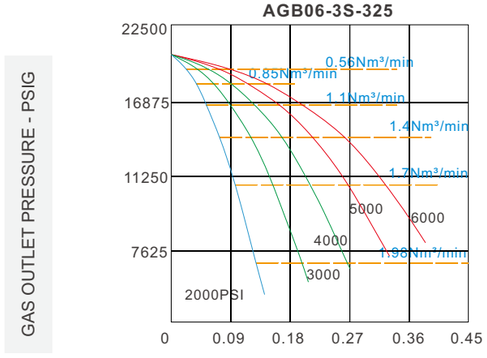


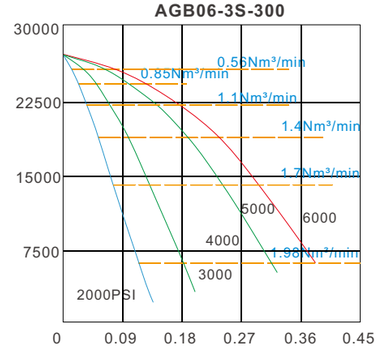
AGB06-3S-300



▶ Performance Curves

(Air drive source of approximately 90 psig)





AGB06 Series ▶ Single Drive Double Acting

▶ Features

- Higher efficiency than single-acting boosters.
- Max.air drive pressure Pa=150 psig(10.3bar).
- Less restriction on gas supply pressure Ps.
- Choice of seal materials.
- Gas outlet pressure up to 15000 psig(1034bar).
- No lubricator required.

▶ Performance and Specification

Pa: Air Drive Pressure | Ps: Gas Inlet Pressure.

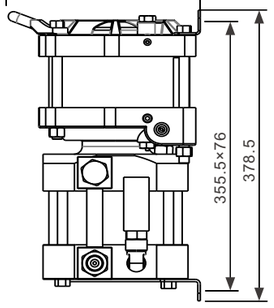
Booster Model Code	Max.Rated Gas Supply	Min.Rated Gas Supply	Max.Rated Gas Outlet(psig)			Actual ML Per Cycle	Outlet Stall Press.Formula	Compression Ratio Max	Inlet & Outlet Gas Ports	Air Drive Port
			Inert Gas	Hydrogen	Oxygen					
AGB06-1D-1.5	300	ATM	300	300	300	983ML	1.5・Pa+Ps	10:1	3/4"FNPT 3/8"FNPT	3/4"FNPT
AGB06-1D-4	1250	ATM	1250	1250	1250	316ML	4・Pa+Ps	10:1	3/8"FNPT	3/4"FNPT
AGB06-1D-7	2500	25	2500	2500	2500	432ML	7・Pa+Ps	20:1	3/8"FNPT	3/4"FNPT
AGB06-1D-15	5000	50	5000	5000	5000	203ML	15・Pa+Ps	20:1	1/4"HF	3/4"FNPT
AGB06-1D-30	9000	100	9000	9000	5000	102ML	30・Pa+Ps	25:1	1/4"HF	3/4"FNPT
AGB06-1D-50	15000	100	15000	15000	5000	64ML	50・Pa+Ps	25:1	1/4"HF	3/4"FNPT
AGB06-1D-75	15000	250	15000	15000	5000	39ML	75・Pa+Ps	25:1	1/4"HF	3/4"FNPT

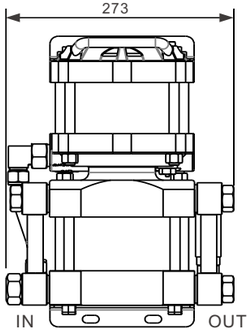
HF means female high pressure connection.

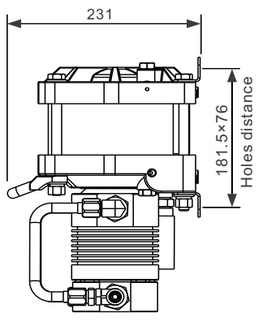
▶ Dimensions

in.(mm)

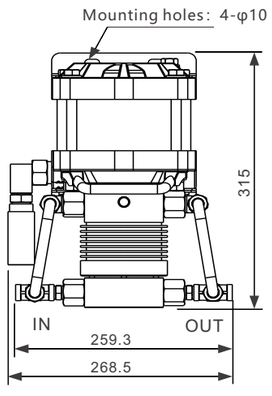
AGB06-1D-1.5



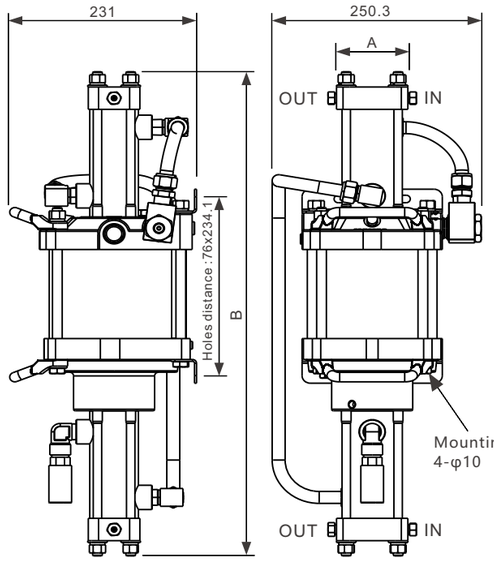




AGB06-1D-4



-7~-75 Boosters

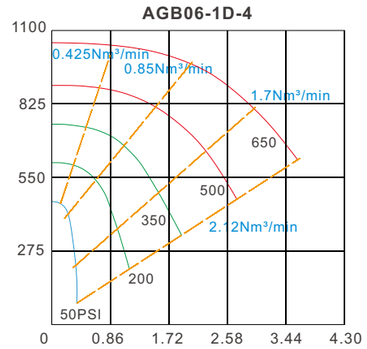


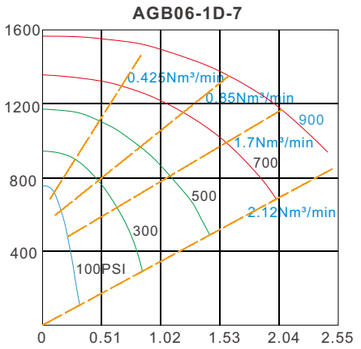
Remarks: **For -7 Boosters:**
A=4.97in.(126.4mm). B=26.3in.(668mm).
For -15,-30,-50,-75 Boosters:
A=3.46in.(88mm). B=25.5in.(648mm).

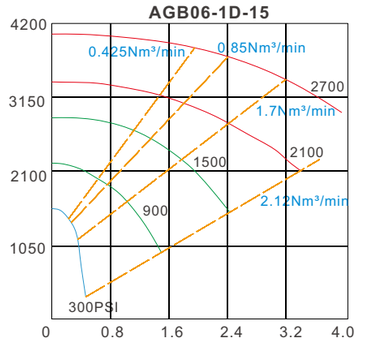
▶ Performance Curves

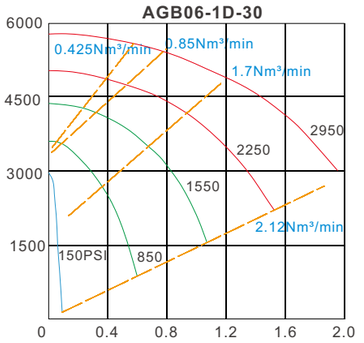
(Air drive source of approximately 90 psig)

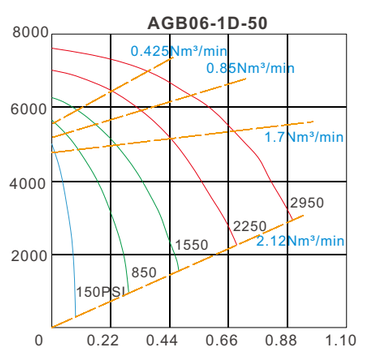
GAS OUTLET PRESSURE - PSIG

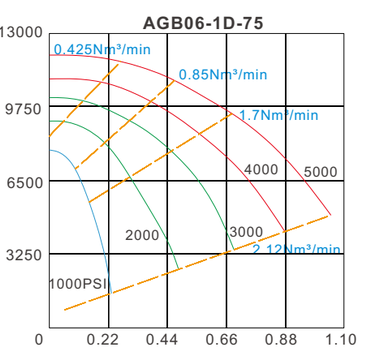


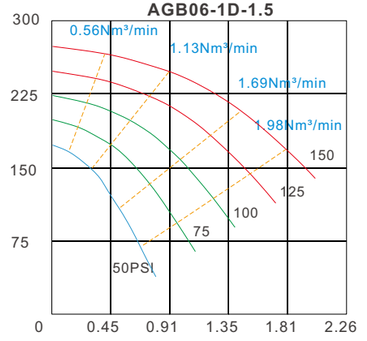












Flow vs Pressure

Air consumption

GAS OUTLET FLOW - Nm³/min

AGB06 Series ▶ Double Drive Double Acting

▶ Features

- Higher efficiency than single-acting boosters.
- Max.air drive pressure Pa=150 psig(10.3bar).
- Less restriction on gas supply pressure Ps.
- Choice of seal materials.
- Gas outlet pressure up to 25000 psig(1724bar).
- No lubricator required.

▶ Performance and Specification

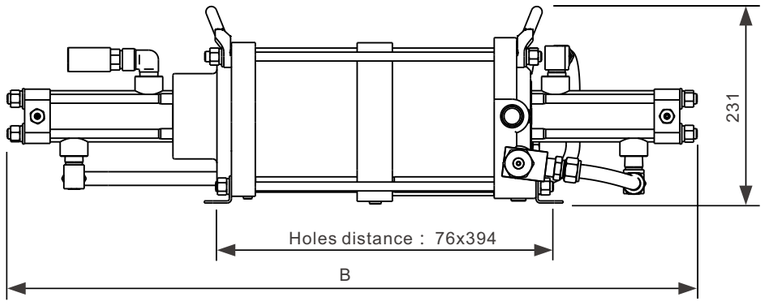
Pa: Air Drive Pressure | Ps: Gas Inlet Pressure.

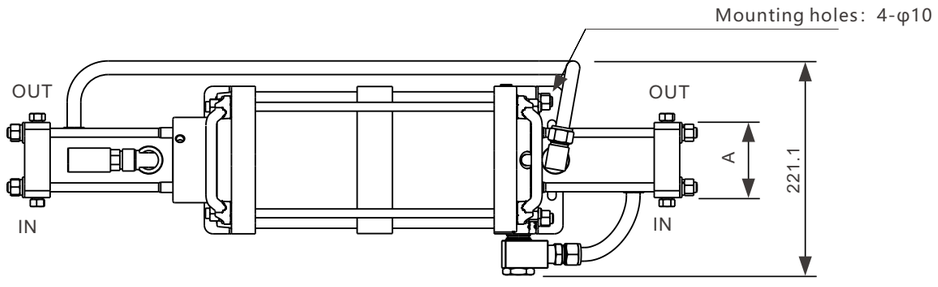
Booster Model Code	Max.Rated Gas Supply	Min.Rated Gas Supply	Max.Rated Gas Outlet(psig)			Actual ML Per Cycle	Outlet Stall Press.Formula	Compression Ratio Max	Inlet & Outlet Gas Ports	Air Drive Port
			Inert Gas	Hydrogen	Oxygen					
AGB06-2D-14	3500	25	5000	5000	5000	432ML	14・Pa+Ps	20:1	3/8"FNPT	3/4"FNPT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

HF means female high pressure connection.

▶ Dimensions

in.(mm)

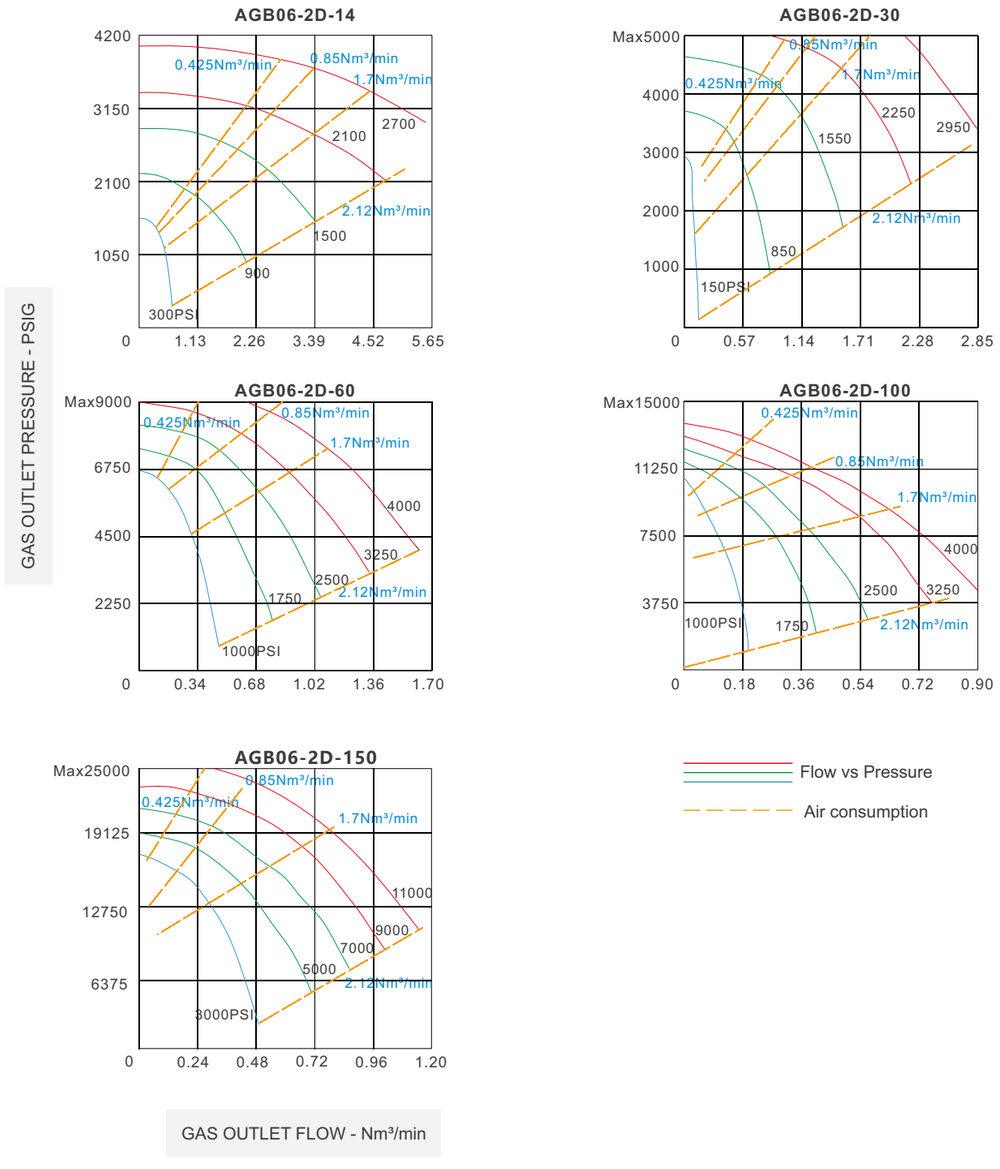




Remarks: AGB06-2D-14，A = 4.97in.(126.4mm).B =32.64in.(829mm).For other boosters,A = 3.46in.(88mm).B = 31.85in.(809mm).

▶ Performance Curves

(Air drive source of approximately 90 psig)



AGB06 Series ▶ Single Drive Double Stage

▶ Features

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

▶ Performance and Specification

Pa: Air Drive Pressure | Ps: Gas Inlet Pressure.

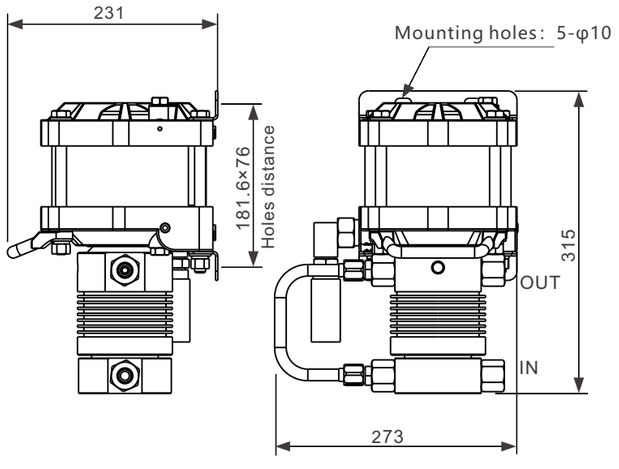
Booster Model Code	Max.Rated Gas Supply	Min.Rated Gas Supply	Max.Rated Gas Outlet(psig)			Actual ML Per Cycle	Outlet Stall Press.Formula	Compression Ratio Max	Max.barrel Safe Pressure		Inlet & Outlet Gas Ports	Air Drive Port
			Inert Gas	Hydrogen	Oxygen				First stage	Second stage		
AGB06-1T-4	1250	1/4ATM	1250	1250	1250	164ML	4・Pa+Ps	100:1	1250	1250	3/8"FNPT	3/4"FNPT
AGB06-1T-7/15	6・Pa	25	4050	4050	4050	216ML	15・Pa+2・Ps	50:1	2500	5000	3/8"FNPT/ 1/4"HF	3/4"FNPT
AGB06-1T-7/30	2・Pa	25	5700	5700	5000	216ML	30・Pa+4・Ps	100:1	2500	9000	3/8"FNPT/ 1/4"HF	3/4"FNPT
AGB06-1T-15/30	15・Pa	50	7500	7500	5000	102ML	30・Pa+2・Ps	50:1	5000	9000	1/4"HF	3/4"FNPT
AGB06-1T-15/50	6.5・Pa	100	10700	10000	5000	102ML	50・Pa+3.3・Ps	75:1	5000	15000	1/4"HF	3/4"FNPT
AGB06-1T-15/75	3.5・Pa	100	15000	15000	5000	102ML	75・Pa+5・Ps	100:1	5000	25000	1/4"HF	3/4"FNPT
AGB06-1T-30/50	45・Pa	100	15000	15000	5000	51ML	50・Pa+1.6・Ps	40:1	9000	15000	1/4"HF	3/4"FNPT
AGB06-1T-30/75	20・Pa	100	15000	15000	5000	51ML	75・Pa+2.5・Ps	60:1	9000	25000	1/4"HF	3/4"FNPT

When the pressure of the first stage exceeds the Max.barrel Safe Pressure listed in the table. Install interstage relief valve set at this pressure.

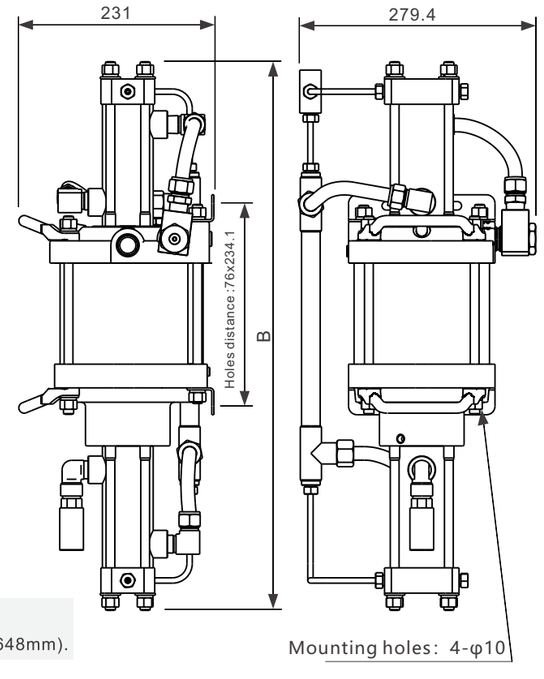
▶ Dimensions

in.(mm)

AGB06-1T-4



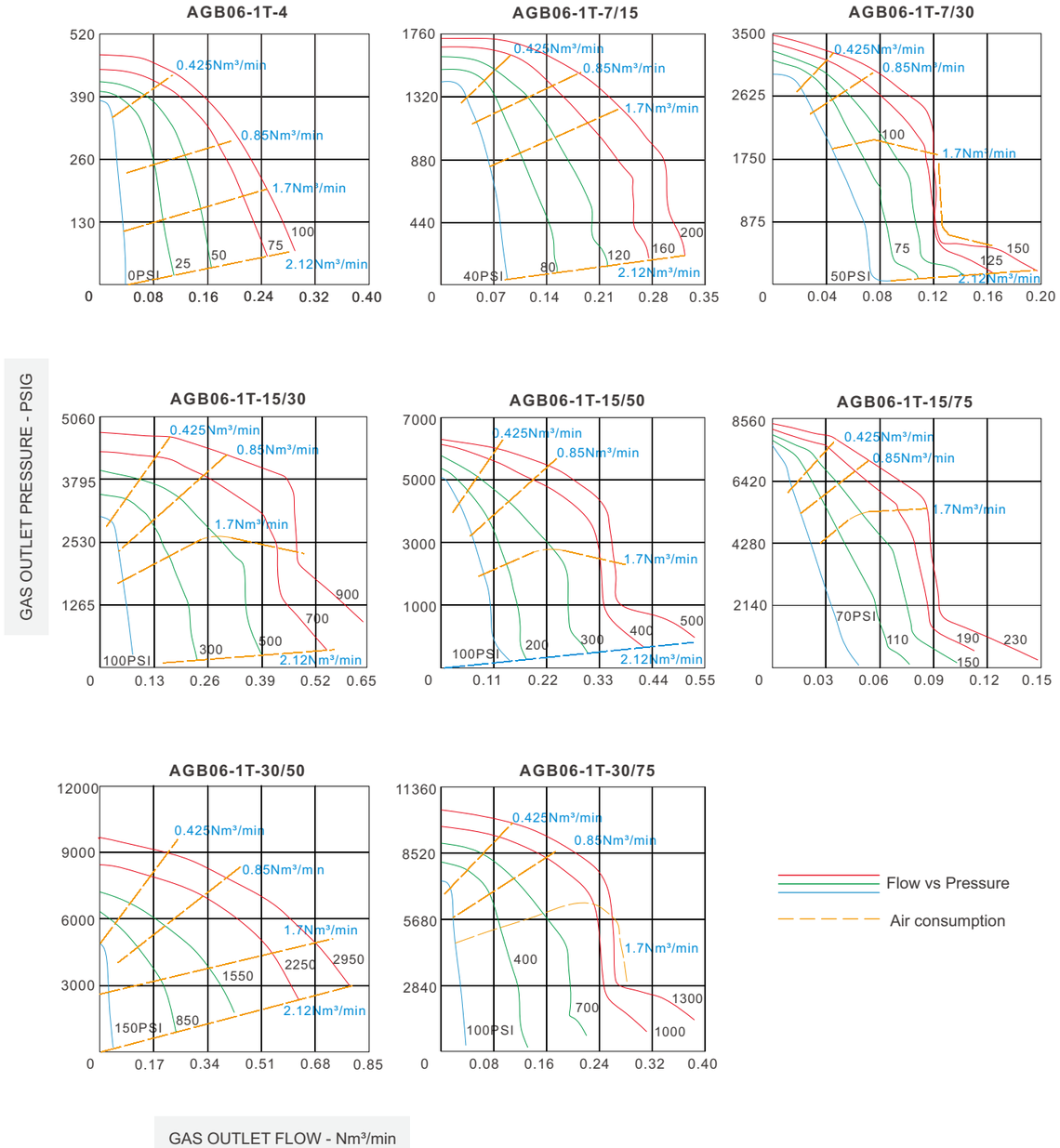
All other boosters except AGB06-1T-4



Remarks: -7 /15 & -7/30 Boosters: B=25.9in.(658mm).
-15/30, -15/50, -15/75, -30/50, -30/75 Boosters :B=25.5in.(648mm).

▶ Performance Curves

(Air drive source of approximately 90 psig)



AGB06 Series ▶ Double Drive Double Stage

▶ Features

- Because it has a higher compression ratio,it can work at lower gas supply pressure Ps.
- Max.air drive pressure Pa=150 psig(10.3bar).
- Choice of seal materials.
- Gas outlet pressure up to 25000 psig(1724bar).
- No lubricator required.

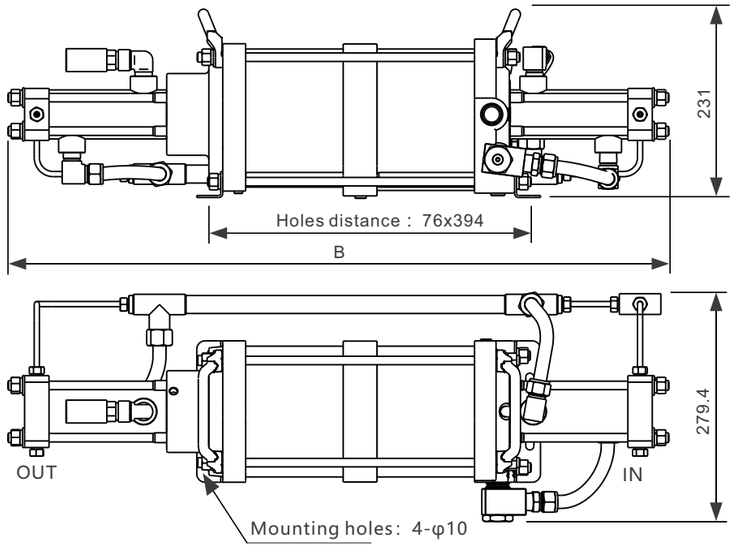
▶ Performance and Specification

Pa: Air Drive Pressure | Ps: Gas Inlet Pressure.

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	Max.barrel Safe Pressure		Inlet & Outlet Gas Ports	Air Drive Port
			Inert Gas	Hydrogen	Oxygen				First stage	Second stage		
AGB06-2T-14/30	12·Pa	25	5000	5000	5000	216ML	30·Pa+2·Ps	50:1	2500	5000	3/8"FNPT/ 1/4"HF	3/4"FNPT
AGB06-2T-14/60	4·Pa	25	9000	9000	5000	216ML	60·Pa+4·Ps	100:1	2500	9000	3/8"FNPT/ 1/4"HF	3/4"FNPT
AGB06-2T-30/60	30·Pa	100	9000	9000	5000	102ML	60·Pa+2·Ps	50:1	5000	9000	1/4"HF	3/4"FNPT
AGB06-2T-30/100	13·Pa	100	14500	14500	5000	102ML	100·Pa+3.3·Ps	75:1	5000	15000	1/4"HF	3/4"FNPT
AGB06-2T-30/150	7·Pa	100	15000	15000	5000	102ML	150·Pa+5·Ps	100:1	5000	25000	1/4"HF	3/4"FNPT
AGB06-2T-60/100	90·Pa	100	15000	15000	5000	51ML	100·Pa+1.6·Ps	40:1	9000	15000	1/4"HF	3/4"FNPT
AGB06-2T-60/150	40·Pa	100	25000	15000	N/A	51ML	150·Pa+2.5·Ps	60:1	9000	25000	1/4"HF	3/4"FNPT

▶ Dimensions

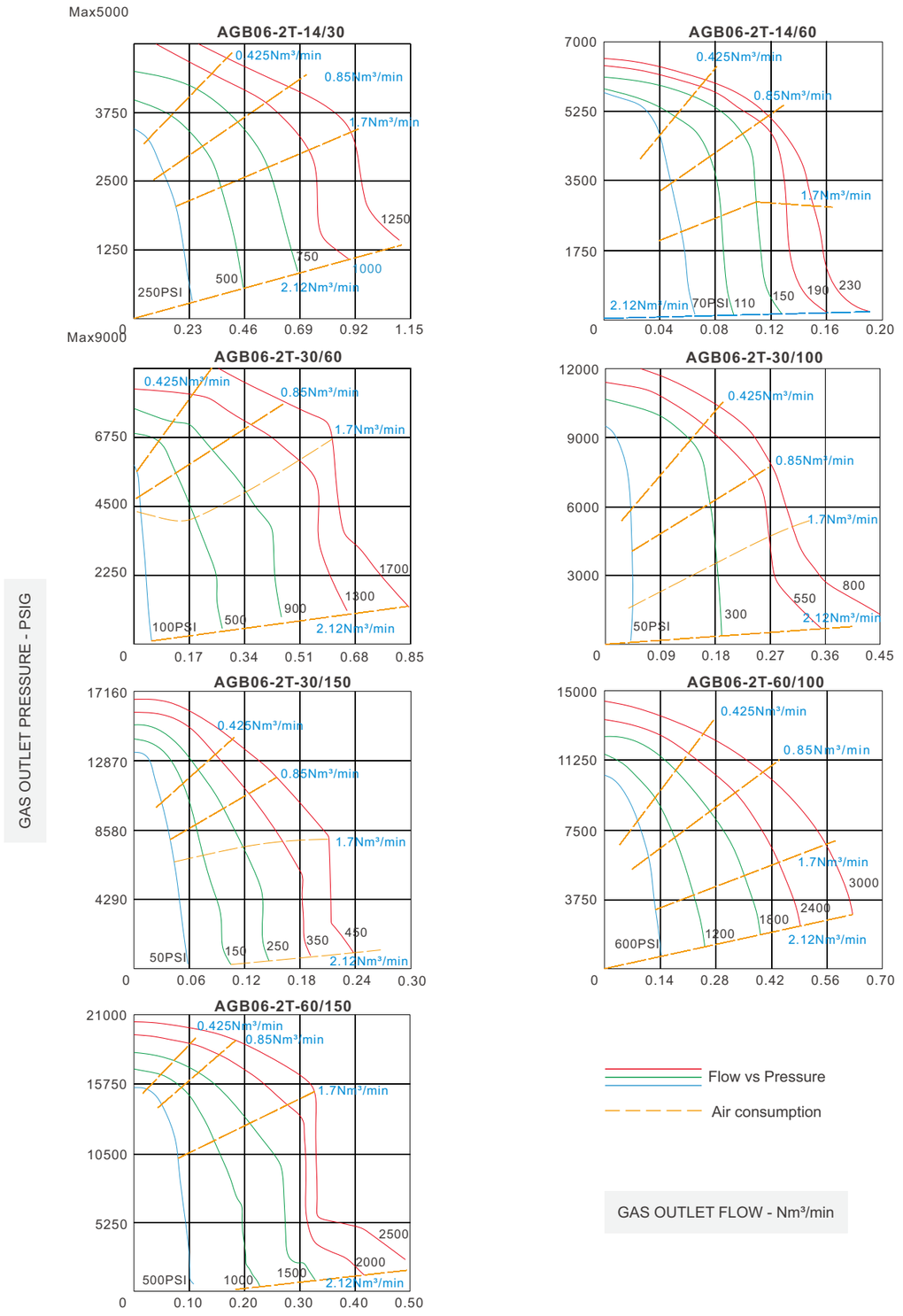
in.(mm)



Remarks: except for AGB06-2T-14/30 and AGB06-2T-14/60 (B=819mm), all other AGB06-2T series have the same length(B) 809mm.

▶ Performance Curves

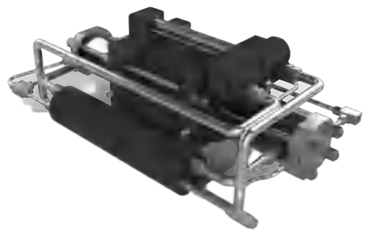
(Air drive source of approximately 90 psig)



AGB10 Series ▶ Single Drive Double Acting

▶ Features

- Because it has a higher compression ratio,it can work at lower gas supply pressure Ps.
- Max.air drive pressure Pa=125 psig(8.6bar).
- Choice of seal materials.
- Gas outlet pressure up to 25000 psig(1724bar).
- No lubricator required.



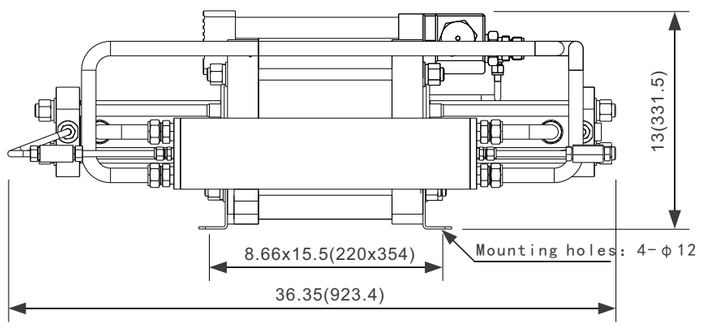
▶ Performance and Specification

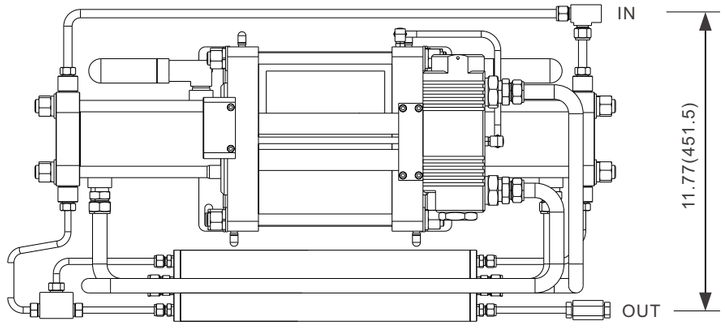
Pa: Air Drive Pressure | Ps: Gas Inlet Pressure.

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	Air Drive Port
			Inert Gas	Hydrogen	Oxygen					
AGB10-1D-5	2500	20	2000	2000	5000	2.05L	5·Pa+Ps	25:1	1/2"FNPT	3/4"FNPT
AGB10-1D-14	5000	25	5000	5000	5000	0.80L	14·Pa+Ps	25:1	1/2"FNPT	3/4"FNPT
AGB10-1D-30	7000	100	7000	7000	5000	0.35L	30·Pa+Ps	30:1	1/2"FNPT 3/8"HF	3/4"FNPT
AGB10-1D-60	9000	150	12500	12500	5000	0.18L	60·Pa+Ps	30:1	3/8"HF	3/4"FNPT
AGB10-1D-150	15000	300	25000	25000	5000	72.3ML	150·Pa+Ps	30:1	3/8"HF	3/4"FNPT

▶ Dimensions

in.(mm)

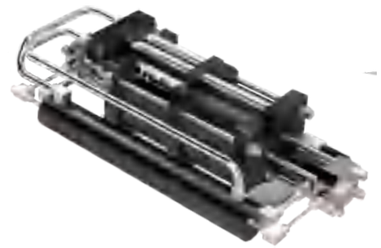




AGB10 Series ▶ Double Drive Double Acting

▶ Features

- Because it has a higher compression ratio,it can work at lower gas supply pressure Ps.
- Max.air drive pressure Pa=125 psig(8.6bar).
- Choice of seal materials.
- Gas outlet pressure up to 39000 psig(2690bar).
- No lubricator required.



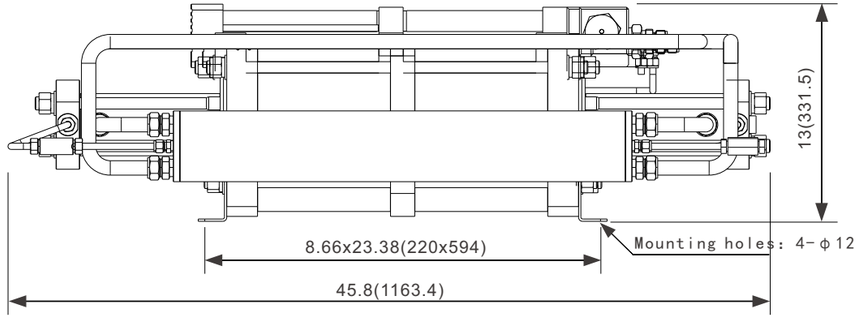
▶ Performance and Specification

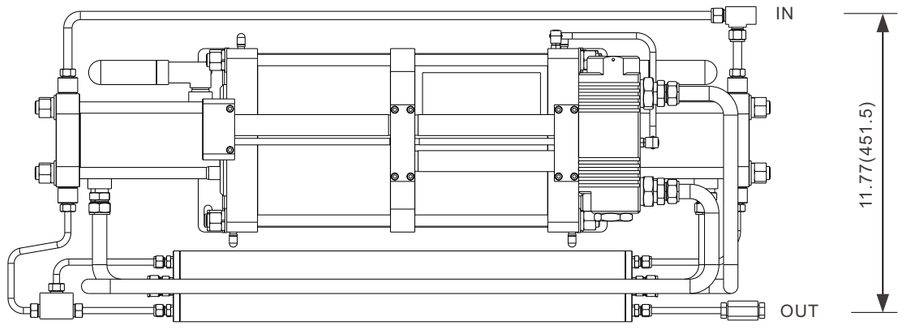
Pa: Air Drive Pressure | Ps: Gas Inlet Pressure.

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	Air Drive Port
			Inert Gas	Hydrogen	Oxygen					
AGB10-2D-10	3000	25	3000	3000	5000	2.05L	10·Pa+Ps	25:1	1/2"FNPT	3/4"FNPT
AGB10-2D-28	6000	50	6000	6000	5000	0.80L	28·Pa+Ps	25:1	1/2"FNPT	3/4"FNPT
AGB10-2D-60	9000	100	9000	9000	5000	0.35L	60·Pa+Ps	30:1	1/2"FNPT 3/8"HF	3/4"FNPT
AGB10-2D-120	9000	150	25000	15000	5000	0.18L	120·Pa+Ps	30:1	3/8"HF	3/4"FNPT
AGB10-2D-300	15000	300	39000	15000	5000	72.3ML	300·Pa+Ps	30:1	3/8"HF	3/4"FNPT

▶ Dimensions

in.(mm)

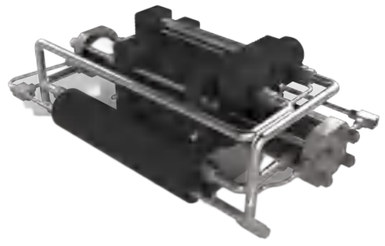




AGB10 Series ▶ Single Drive Double Stage

▶ Features

- Because it has a higher compression ratio,it can work at lower gas supply pressure Ps.
- Max.air drive pressure Pa=125 psig(8.6bar).
- Choice of seal materials.
- Gas outlet pressure up to 25000 psig(1724bar).
- No lubricator required.



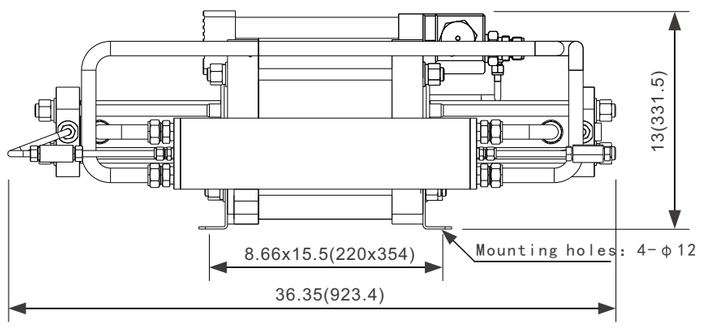
▶ Performance and Specification

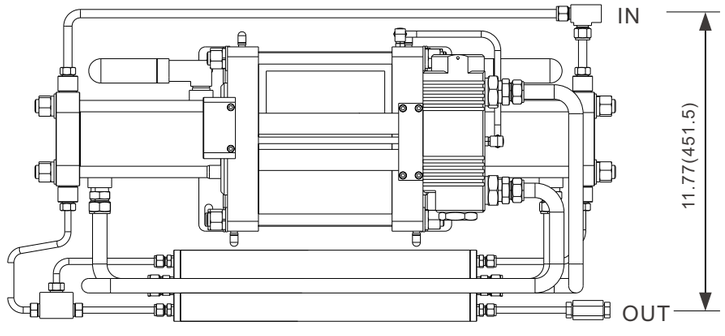
Pa: Air Drive Pressure | Ps: Gas Inlet Pressure.

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	Air Drive Port
			Inert Gas	Hydrogen	Oxygen					
AGB10-1D-5	2500	20	2000	2000	5000	2.05L	5·Pa+Ps	25:1	1/2"FNPT	3/4"FNPT
AGB10-1D-14	5000	25	5000	5000	5000	0.80L	14·Pa+Ps	25:1	1/2"FNPT	3/4"FNPT
AGB10-1D-30	7000	100	7000	7000	5000	0.35L	30·Pa+Ps	30:1	1/2"FNPT 3/8"HF	3/4"FNPT
AGB10-1D-60	9000	150	12500	12500	5000	0.18L	60·Pa+Ps	30:1	3/8"HF	3/4"FNPT
AGB10-1D-150	15000	300	25000	25000	5000	72.3ML	150·Pa+Ps	30:1	3/8"HF	3/4"FNPT

▶ Dimensions

in.(mm)





AGB10 Series ▶ Double Drive Double Stage

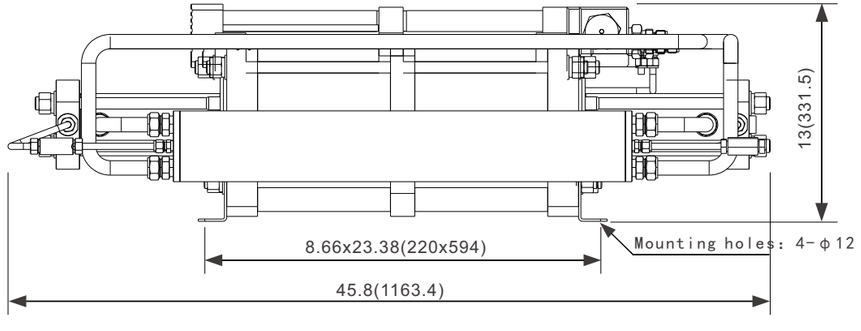
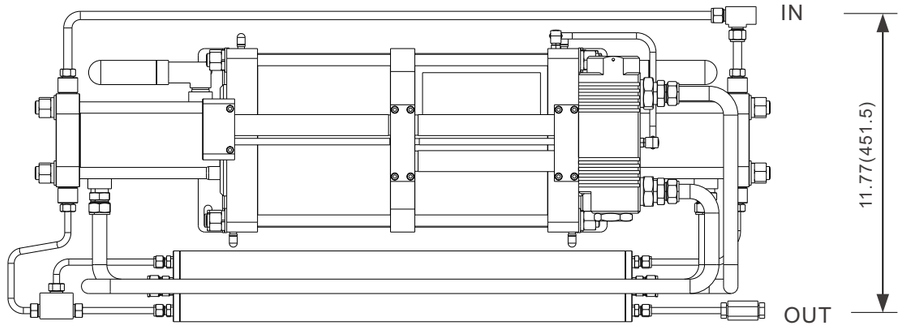
▶ Features

- Because it has a higher compression ratio,it can work at lower gas supply pressure Ps.
- Max.air drive pressure Pa=125 psig(8.6bar).
- Choice of seal materials.
- Gas outlet pressure up to 39000 psig(2690bar).
- No lubricator required.

▶ Performance and Specification

Pa: Air Drive Pressure | Ps: Gas Inlet Pressure.

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	Air Drive Port
			Inert Gas	Hydrogen	Oxygen					
AGB10-2D-10	3000	25	3000	3000	5000	2.05L	10·Pa+Ps	25:1	1/2"FNPT	3/4"FNPT
AGB10-2D-28	6000	50	6000	6000	5000	0.80L	28·Pa+Ps	25:1	1/2"FNPT	3/4"FNPT
AGB10-2D-60	9000	100	9000	9000	5000	0.35L	60·Pa+Ps	30:1	1/2"FNPT 3/8"HF	3/4"FNPT
AGB10-2D-120	9000	150	25000	15000	5000	0.18L	120·Pa+Ps	30:1	3/8"HF	3/4"FNPT
AGB10-2D-300	15000	300	39000	15000	5000	72.3ML	300·Pa+Ps	30:1	3/8"HF	3/4"FNPT

▶ Dimensions

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