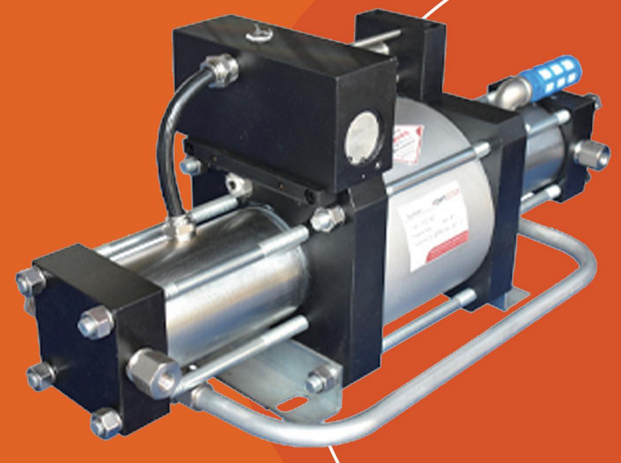
# Pneumatically Driven Gas Booster Pump

# Product Manual



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Shandong Hailaitaide Machinery Co., Ltd.

# ABOUT US

## Company introduction

JINAN ODMT FLUID CONTROL EQUIPMENT CO.,LTD as a professional provider in the field of fluid control,serves for petroleum,chemical,shipbuilding,automobile,aviation,marine,military etc.in-dustries and related laboratories in univer-sities andresearch institutes.ODMT has all kinds of fluid conveying equipment and pressure test and control equipment.

We specialize in high-pressure system engineering consulting,design manufacture,installation, debugging and mainte-nance services.We adopt advanced pressurization technology in the world,with hydraulic pressure up to 640 MPa and pneumatic pressure up to 210 MPa.

## Company introduction

ODMT company is the manufacturer of auto hose test machine.lts main products include: auto hose pulse test bench,hose flexibility test machine,hose burst test machine,hose pressure withstand test machine and other auto parts pressure test machines.

ODMT oil-free lubrication gas boosters include air boosters,nitrogen bosster,oxygen booster,helium booster,hydrogen booster,argon booster,stc

According to customers' requirements,the following can be ordered:air tightness pressure test system, hydraulic pressure test system,hydraulic hoses,joints,valves,pipe fittings,cylinders,pres-sure vessels,
sensors,instrument pressure test system,hydraulic hoses,joints,valves,pipe fittings,cylinders,pres-sure
vessels,sensors,instrument pressure test system,pressure test and monitoring system and pressure data collecting and processing system.

## Company introduction

ODMT company has always adhered to the concept of high-quality service, with an agile, efficient, experienced and dynamic team.Odimet people regard the quality of products as their life, and regard products as their own character, through continuous R & D and innovation, the product system is more mature and perfect.

ODMT company introduces foreign advanced product technology, combines with the current situ-ation of China's pressure detection industry to improve products. most of the equipment parts are imported products, It has established long-term cooperation with FESTO, IFM, Schneider and ASTON, these world leading famous brands provide high quality accessories for odmt, so that the company's products have a reliable quality assurance.

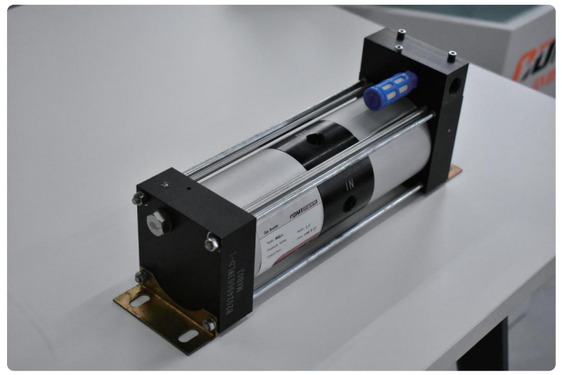
ODMT company has been focusing on the cultivation and development of professionals, with a high-quality professional team, From product development, mechanical design, equipment test-ing, technical services are completed by professional and technical personnel,Established a com-plete after-sales service system, so that customers buy products, there is no worry.

We always put customer satisfaction in the first place, accumulated years of rich experience, professional product R & D team, high-quality brand image construction, and reasonable organi-zational structure are the reasons why customers choose us.

# Air booster pump model: MAB02

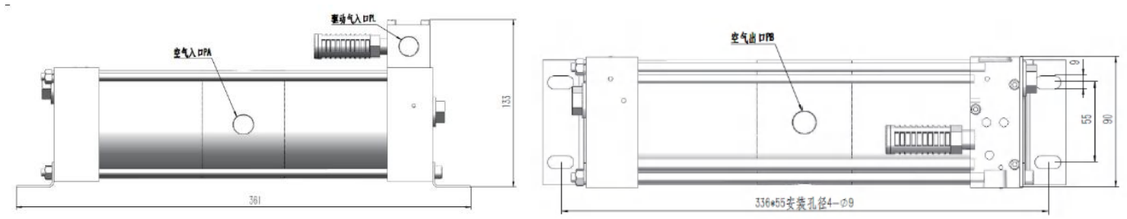
## Product Introduction

ODMT air booster pump is suitable for working environments where the original compressed air system needs to increase the pressure. It can increase the air pressure of the working system to 2 to 5 times, and only the compressed air in the working system needs to be used as the air source. This pump is suitable for single air source boosting. The pump body is made of aluminum alloy and stainless steel, and all seals are imported products, which can work continuously for a long time. It has the characteristics of reliable structure, no need for power supply, simple maintenance, and long life. It is widely used in various small household electrical tightness tests, clamping and pressure holding of pneumatic fixtures, hot runners and bottle blowing in the injection molding industry, watch sealing tests, laser cutting machine purging, air source boosting and voltage stabilization of CNC machine tools, etc.

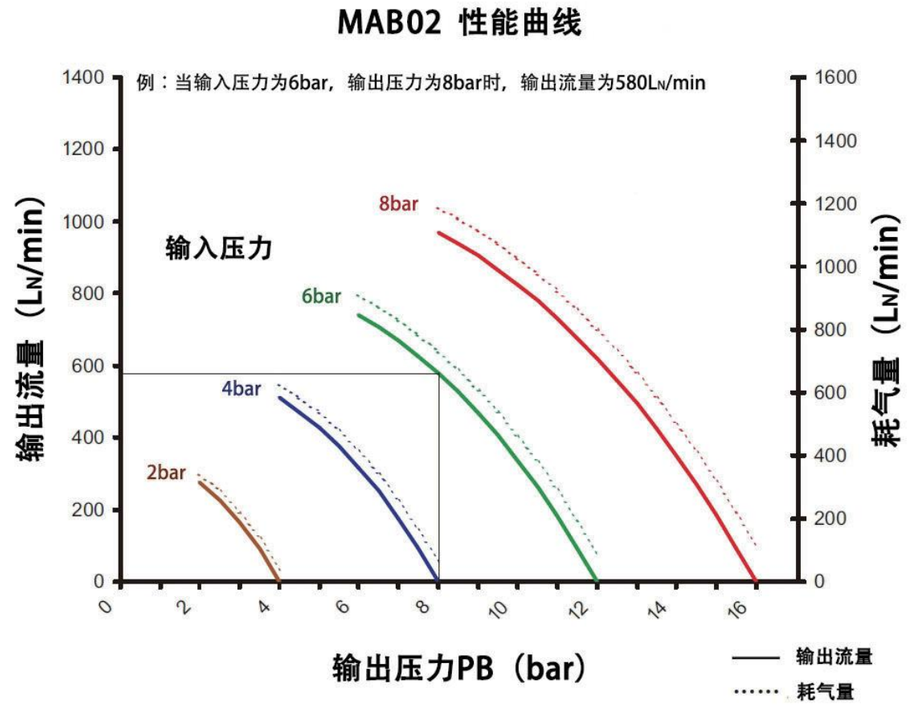


## Working principle of air booster pump:

The air booster pump is a piston-type booster pump that uses compressed air as its power source. When air is taken in, the valve core of the booster air control valve switches back and forth to control the booster pump piston to reciprocate at an extremely fast speed. As the output pressure increases, the reciprocating speed of the piston slows down until it stops. At this time, the output pressure of the booster pump is constant, the energy consumption is minimal, and all components stop working; no matter what causes the pressure in the pressure-maintaining circuit to drop, the booster pump will automatically start to supplement the leakage pressure and keep the circuit pressure constant.






| Technical parameters | MAB02 |
|---|---|
| Pressure ratio | 2:1 |
| Minimum gas inlet pressure PA bar | 1 |
| Maximum gas inlet pressure PA bar | 8 |
| Gas outlet pressure PB bar | 2PL |
| Maximum gas outlet pressure PB bar | 16 |
| Air drive pressure PL bar | 1-8 |
| Drive air interface size | ZG3/8" |
| Medium inlet size | ZG3/8" |
| Medium outlet size | ZG3/8" |
| Booster pump material | Aluminum alloy/stainless steel |
| Maximum operating frequency: times/min | 60 |
| Pump stop pressure PB | 2PL |
| Maximum operating temperature °C | 60 |
| Net weight kg | 5 |
| Standard seals | PTFE, fluororubber, nitrile rubber |
| Length mm | 361 |
| Width mm | 90 |
| Height mm | 133 |

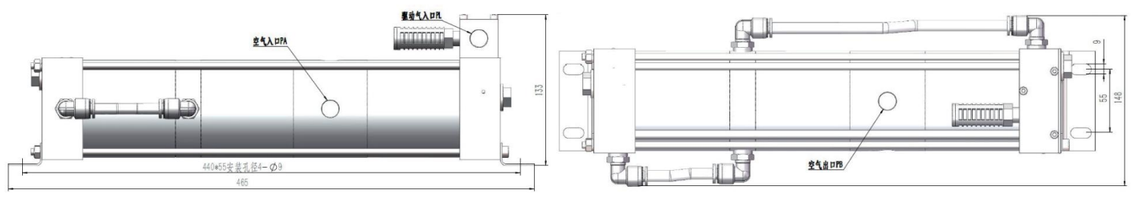
# Air booster pump model: MAB03

## Product Introduction

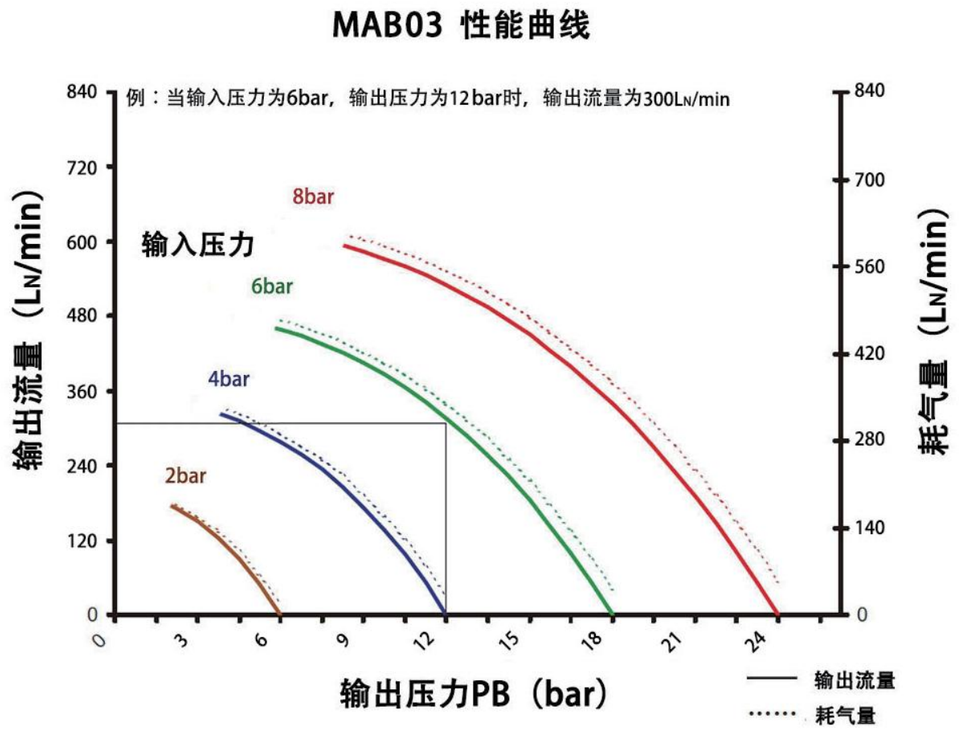
ODMT air booster pump is suitable for working environments where the original compressed air system needs to increase the pressure. It can increase the air pressure of the working system to 2 to 5 times, and only the compressed air in the working system needs to be used as the air source. This pump is suitable for single air source boosting. The pump body is made of aluminum alloy and stainless steel, and all seals are imported products, which can work continuously for a long time. It has the characteristics of reliable structure, no need for power supply, simple maintenance, and long life. It is widely used in various small household electrical tightness tests, clamping and pressure holding of pneumatic fixtures, hot runners and bottle blowing in the injection molding industry, watch sealing tests, laser cutting machine purging, air source boosting and voltage stabilization of CNC machine tools, etc.

## Working principle of air booster pump:

The air booster pump is a piston-type booster pump that uses compressed air as its power source. When air is taken in, the valve core of the booster air control valve switches back and forth to control the booster pump piston to reciprocate at an extremely fast speed. As the output pressure increases, the reciprocating speed of the piston slows down until it stops. At this time, the output pressure of the booster pump is constant, the energy consumption is minimal, and all components stop working; no matter what causes the pressure in the pressure-maintaining circuit to drop, the booster pump will automatically start to supplement the leakage pressure and keep the circuit pressure constant.






| Technical parameters | MAB03 |
|---|---|
| Pressure ratio | 3:1 |
| Minimum gas inlet pressure PA bar | 1 |
| Maximum gas inlet pressure PA bar | 8 |
| Gas outlet pressure PB bar | 3PL |
| Maximum gas outlet pressure PB bar | 24 |
| Air drive pressure PL bar | 1-8 |
| Drive air interface size | ZG3/8" |
| Medium inlet size | ZG3/8" |
| Medium outlet size | ZG3/8" |
| Booster pump material | Aluminum alloy/stainless steel |
| Maximum operating frequency: times/min | 60 |
| Pump stop pressure PB | 3PL |
| Maximum operating temperature °C | 60 |
| Net weight kg | 6 |
| Standard seals | PTFE, fluororubber, nitrile rubber |
| Length mm | 465 |
| Width mm | 148 |
| Height mm | 133 |

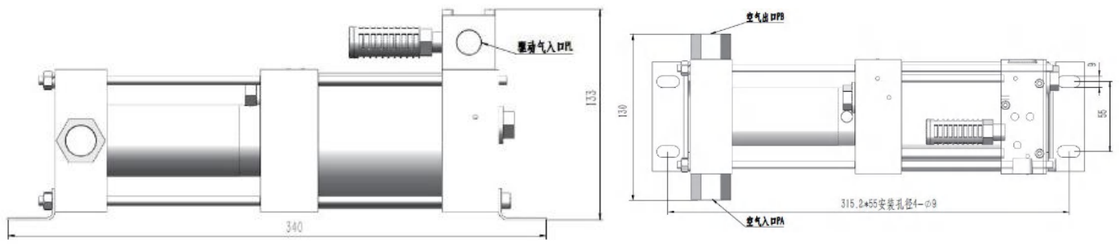
# Air booster pump model: MAB04

## Product Introduction

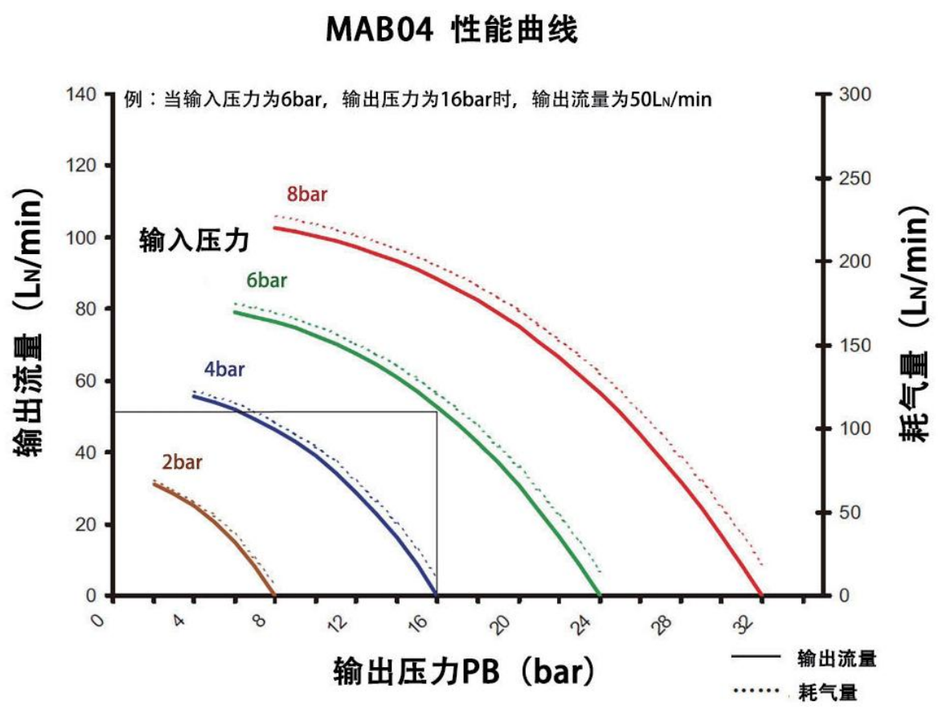
ODMT air booster pump is suitable for working environments where the original compressed air system needs to increase the pressure. It can increase the air pressure of the working system to 2 to 5 times, and only the compressed air in the working system needs to be used as the air source. This pump is suitable for single air source boosting. The pump body is made of aluminum alloy and stainless steel, and all seals are imported products, which can work continuously for a long time. It has the characteristics of reliable structure, no need for power supply, simple maintenance, and long life. It is widely used in various small household electrical tightness tests, clamping and pressure holding of pneumatic fixtures, hot runners and bottle blowing in the injection molding industry, watch sealing tests, laser cutting machine purging, air source boosting and voltage stabilization of CNC machine tools, etc.

## Working principle of air booster pump:

The air booster pump is a piston-type booster pump that uses compressed air as its power source. When air is taken in, the valve core of the booster air control valve switches back and forth to control the booster pump piston to reciprocate at an extremely fast speed. As the output pressure increases, the reciprocating speed of the piston slows down until it stops. At this time, the output pressure of the booster pump is constant, the energy consumption is minimal, and all components stop working; no matter what causes the pressure in the pressure-maintaining circuit to drop, the booster pump will automatically start to supplement the leakage pressure and keep the circuit pressure constant.





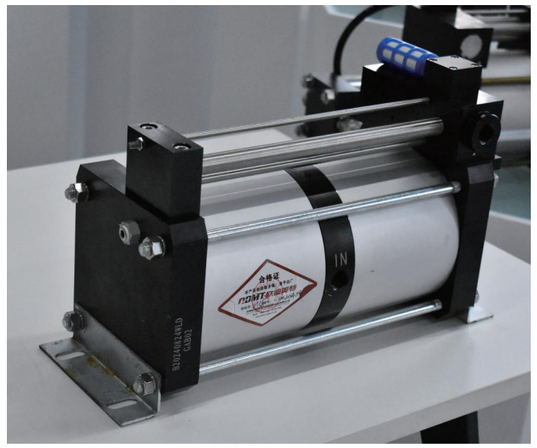




| Technical parameters | MAB04 |
|---|---|
| Pressure ratio | 4:1 |
| Minimum gas inlet pressure PA bar | 2 |
| Maximum gas inlet pressure PA bar | 8 |
| Gas outlet pressure PB bar | 4PL |
| Maximum gas outlet pressure PB bar | 32 |
| Air drive pressure PL bar | 1-8 |
| Drive air interface size | ZG3/8" |
| Medium inlet size | ZG3/8" |
| Medium outlet size | ZG1/2" |
| Booster pump material | Aluminum alloy/stainless steel |
| Maximum operating frequency: times/min | 60 |
| Pump stop pressure PB | 4PL |
| Maximum operating temperature °C | 60 |
| Net weight kg | 4 |
| Standard seals | PTFE, fluororubber, nitrile rubber |
| Length mm | 340 |
| Width mm | 130 |
| Height mm | 133 |

# Air booster pump model: GAB02

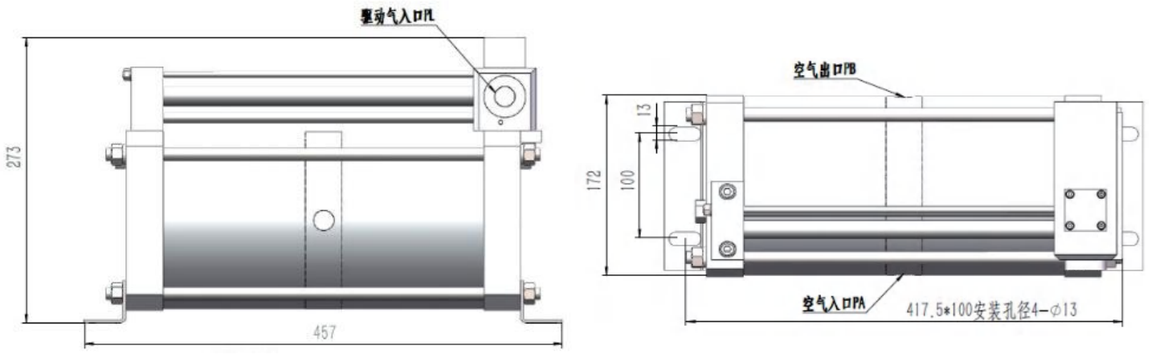
## Product Introduction

ODMT air booster pump is suitable for working environments where the original compressed air system needs to increase the pressure. It can increase the air pressure of the working system to 2 to 5 times, and only the compressed air in the working system needs to be used as the air source. This pump is suitable for single air source boosting. The pump body is made of aluminum alloy and stainless steel, and all seals are imported products, which can work continuously for a long time. It has the characteristics of reliable structure, no need for power supply, simple maintenance, and long life. It is widely used in various small household electrical tightness tests, clamping and pressure holding of pneumatic fixtures, hot runners and bottle blowing in the injection molding industry, watch sealing tests, laser cutting machine purging, air source boosting and voltage stabilization of CNC machine tools, etc.

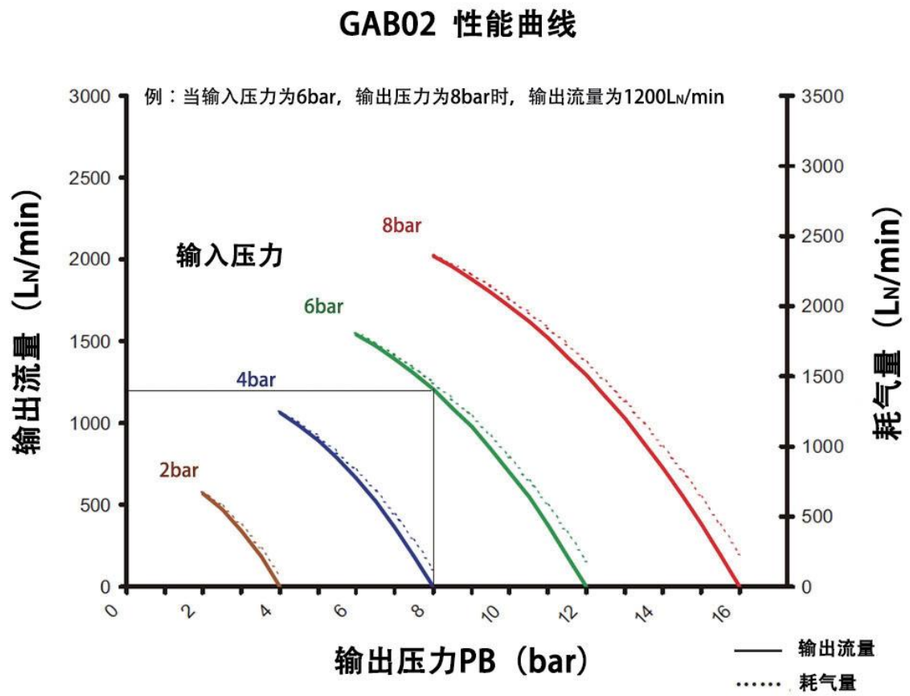


## Working principle of air booster pump:

The air booster pump is a piston-type booster pump that uses compressed air as its power source. When air is taken in, the valve core of the booster air control valve switches back and forth to control the booster pump piston to reciprocate at an extremely fast speed. As the output pressure increases, the reciprocating speed of the piston slows down until it stops. At this time, the output pressure of the booster pump is constant, the energy consumption is minimal, and all components stop working; no matter what causes the pressure in the pressure-maintaining circuit to drop, the booster pump will automatically start to supplement the leakage pressure and keep the circuit pressure constant.





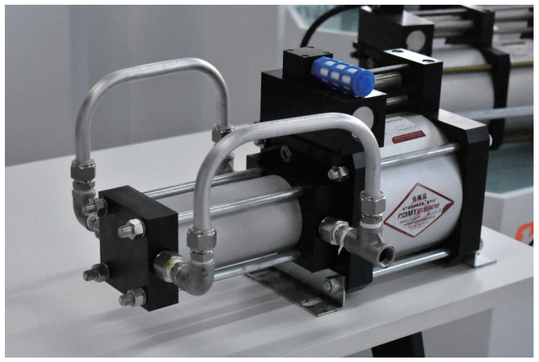




| Technical parameters | GAB02 |
|---|---|
| Pressure ratio | 2:1 |
| Minimum gas inlet pressure PA bar | 1 |
| Maximum gas inlet pressure PA bar | 8 |
| Gas outlet pressure PB bar | 2PL |
| Maximum gas outlet pressure PB bar | 16 |
| Air drive pressure PL bar | 1-8 |
| Drive air interface size | ZG1/2" |
| Medium inlet size | ZG1/2" |
| Medium outlet size | ZG1/2" |
| Booster pump material | Aluminum alloy/stainless steel |
| Maximum operating frequency: times/min | 60 |
| Pump stop pressure PB | 2PL |
| Maximum operating temperature °C | 60 |
| Net weight kg | 19 |
| Standard seals | PTFE, fluororubber, nitrile rubber |
| Length mm | 457 |
| Width mm | 172 |
| Height mm | 273 |

# Air booster pump model: GAB05

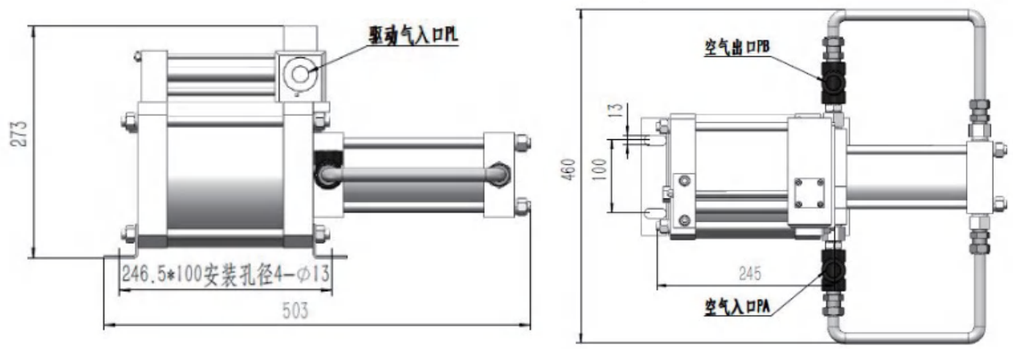
## Product Introduction

ODMT air booster pump is suitable for working environments where the original compressed air system needs to increase the pressure. It can increase the air pressure of the working system to 2 to 5 times, and only the compressed air in the working system needs to be used as the air source. This pump is suitable for single air source boosting. The pump body is made of aluminum alloy and stainless steel, and all seals are imported products, which can work continuously for a long time. It has the characteristics of reliable structure, no need for power supply, simple maintenance, and long life. It is widely used in various small household electrical tightness tests, clamping and pressure holding of pneumatic fixtures, hot runners and bottle blowing in the injection molding industry, watch sealing tests, laser cutting machine purging, air source boosting and voltage stabilization of CNC machine tools, etc.

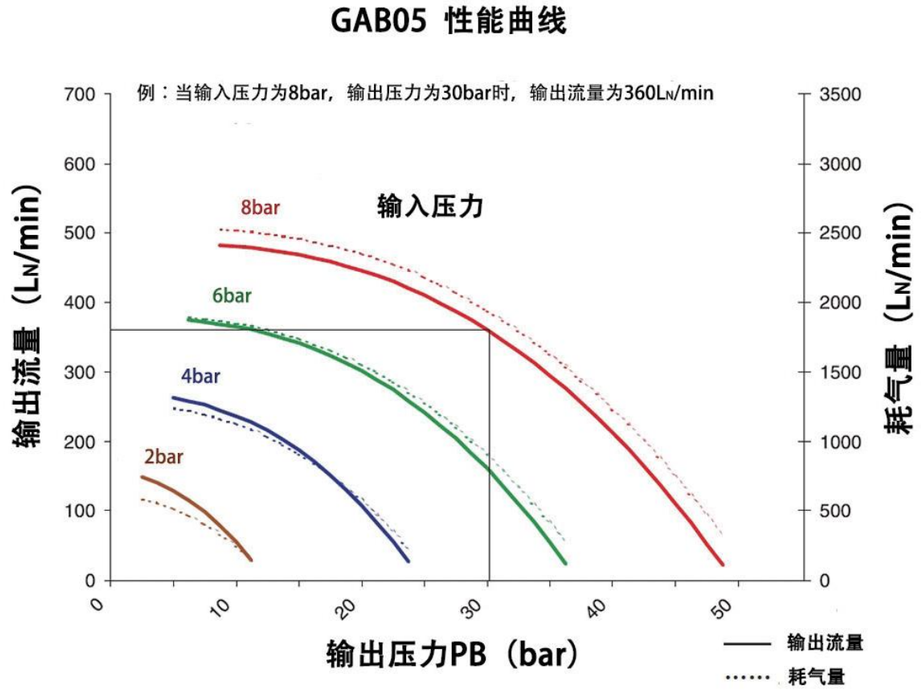


## Working principle of air booster pump:

The air booster pump is a piston-type booster pump that uses compressed air as its power source. When air is taken in, the valve core of the booster air control valve switches back and forth to control the booster pump piston to reciprocate at an extremely fast speed. As the output pressure increases, the reciprocating speed of the piston slows down until it stops. At this time, the output pressure of the booster pump is constant, the energy consumption is minimal, and all components stop working; no matter what causes the pressure in the pressure-maintaining circuit to drop, the booster pump will automatically start to supplement the leakage pressure and keep the circuit pressure constant.





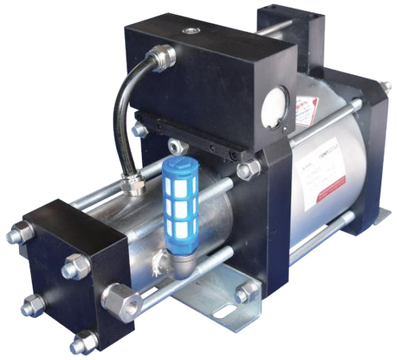

| Technical parameters | GAB05 |
|---|---|
| Pressure ratio | 5:1 |
| Minimum gas inlet pressure PA bar | 1 |
| Maximum gas inlet pressure PA bar | 50 |
| Gas outlet pressure PB bar | 5PL |
| Maximum gas outlet pressure PB bar | 40 |
| Air drive pressure PL bar | 1-8 |
| Drive air interface size | ZG1/2" |
| Medium inlet size | ZG1/2" |
| Medium outlet size | ZG1/2" |
| Booster pump material | Aluminum alloy/stainless steel |
| Maximum operating frequency: times/min | 60 |
| Pump stop pressure PB | PA+4PL |
| Maximum operating temperature ℃ | 60 |
| Net weight kg | 21 |
| Standard seals | PTFE, fluororubber, nitrile rubber |
| Length mm | 503 |
| Width mm | 460 |
| Height mm | 273 |

# Gas booster pump model：OMA02

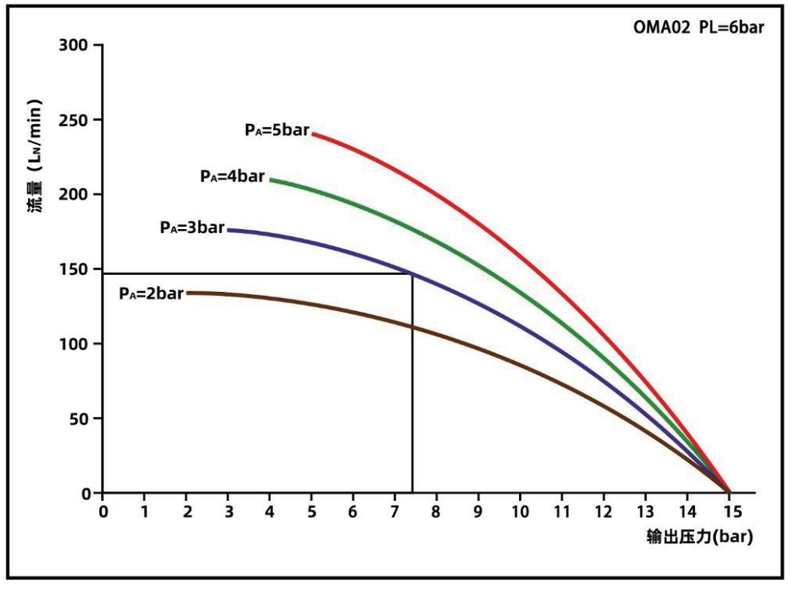
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

OMA series gas booster pump adopts single gas control non-equilibrium gas distribution valve to realize reciprocating motion of the pump. All the pumps are made of aluminum alloy and stainless steel. All the seals are imported high-quality products. The maximum design driving pressure is 10bar. In order to ensure the service life of the pump, it is recommended that the driving pressure is ⩽ 8bar. The driving piston diameter of this series of pumps is 160mm, which is a single acting pump.

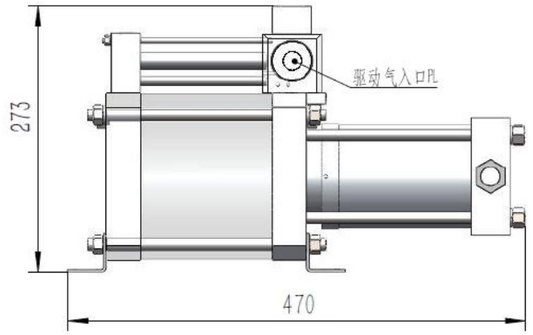


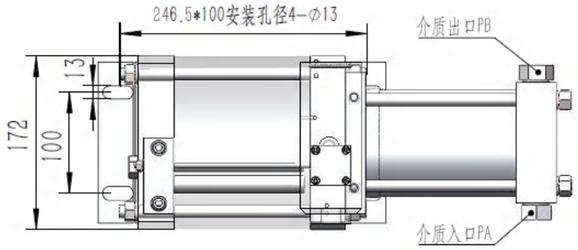
## Performance curves：




When the inlet pressure is 3 bar (43 psi), the outlet pressure is 7.5 bar (109 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 1200 LN/min






## Product parameters

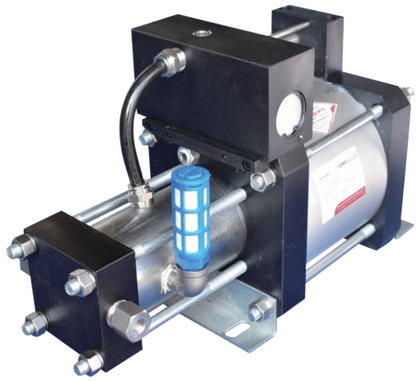
| Technical parameters | OMA02 |
|---|---|
| Pressure ratio | 2.5:1 |
| Maximum compression ratio | 10:1 |
| Min. Gas inlet pressure PA bar | 1 |
| Max. Gas inlet pressure PA bar | 20 |
| Gas outlet pressure PB bar | 2.5×PL |
| Max.outlet pressure PB bar | 20 |
| Single stroke capacity ml | 785 |
| Driven air pressure PL bar | 1-8 |
| Driven air port size | ZG1/2" |
| Medium inlet port size | ZG1/2" |
| Medium outlet port size | ZG1/2" |
| Booster pump Material | Alum/stainless steel |
| Maximum operating frequency:time/min | 60 |
| Pump stop pressure PB | 2.5×PL |
| Max. Working temperature | 60 |
| Net weight kg | 19 |
| Standard seals | PTFE, FKM, NBR |
| Length mm | 470 |
| Wide mm | 172 |
| Heigh mm | 273 |
| Inert gas service (standard) | OMA02NL |
| Oxygen service | OMA02OL |
| CO2 service | OMA02CL |

# Gas booster pump model：OMA04

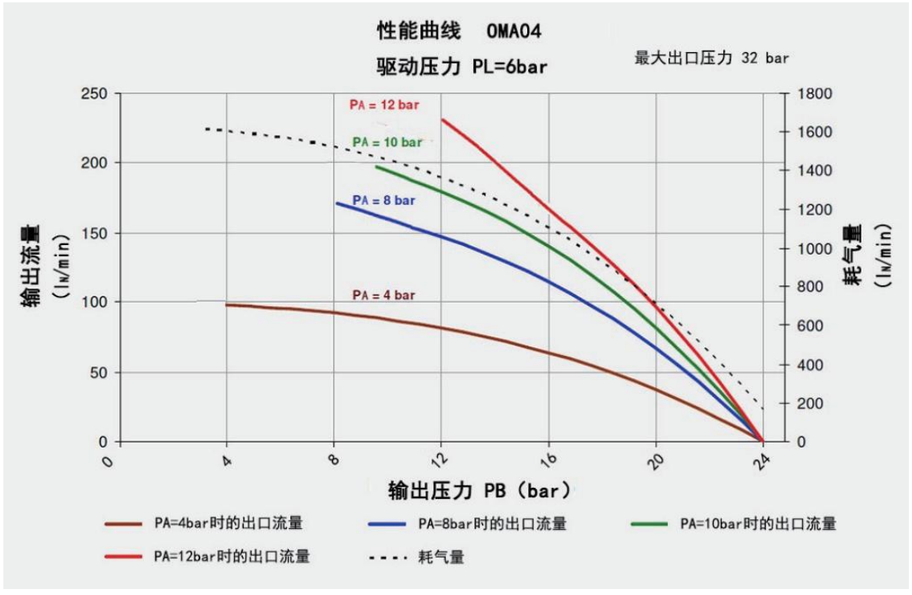
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

OMA series gas booster pump adopts single gas control non-equilibrium gas distribution valve to realize reciprocating motion of the pump. All the pumps are made of aluminum alloy and stainless steel. All the seals are imported high-quality products. The maximum design driving pressure is 10bar. In order to ensure the service life of the pump, it is recommended that the driving pressure is ⩽ 8bar. The driving piston diameter of this series of pumps is 160mm, which is a single acting pump.

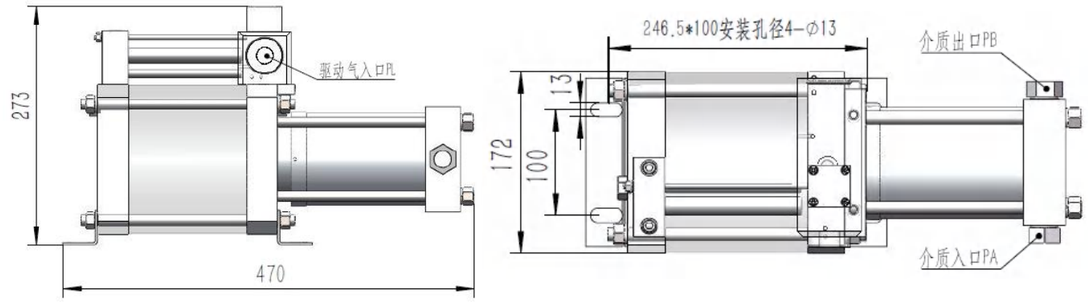


## Performance curves：




When the inlet pressure is 8 bar (116 psi), the outlet pressure is 12 bar (174 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 145 LN/min






## Product parameters

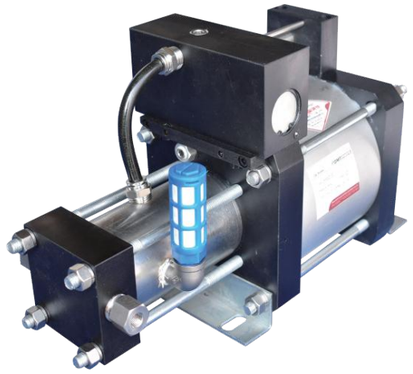
| Technical parameters | OMA04 |
|---|---|
| Pressure ratio | 4:1 |
| Maximum compression ratio | 15:1 |
| Min. Gas inlet pressure PA bar | 2 |
| Max. Gas inlet pressure PA bar | 32 |
| Gas outlet pressure PB bar | 4×PL |
| Max.outlet pressure PB bar | 42 |
| Single stroke capacity ml | 502 |
| Driven air pressure PL bar | 1-8 |
| Driven air port size | ZG1/2" |
| Medium inlet port size | ZG1/2" |
| Medium outlet port size | ZG1/2" |
| Booster pump Material | Alum/stainless steel |
| Maximum operating frequency：time/min | 60 |
| Pump stop pressure PB | 4×PL |
| Max. Working temperature | 60 |
| Net weight kg | 18 |
| Standard seals | PTFE, FKM, NBR |
| Length mm | 447 |
| Wide mm | 172 |
| Heigh mm | 273 |
| Inert gas service (standard) | OMA04NL |
| Oxygen service | OMA04OL |
| CO2 service | OMA04CL |

# Gas booster pump model：OMA10

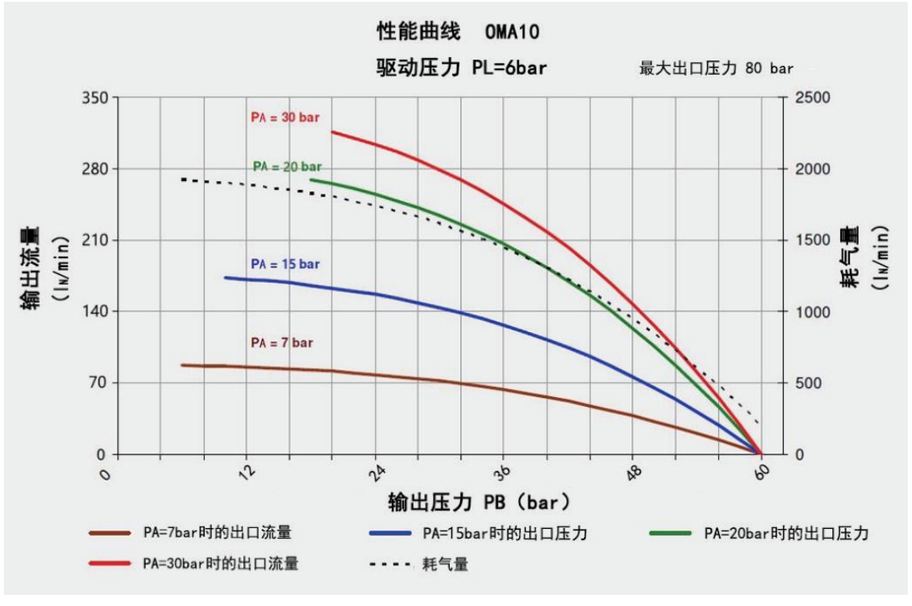
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

OMA series gas booster pump adopts single gas control non-equilibrium gas distribution valve to realize reciprocating motion of the pump. All the pumps are made of aluminum alloy and stainless steel. All the seals are imported high-quality products. The maximum design driving pressure is 10bar. In order to ensure the service life of the pump, it is recommended that the driving pressure is ⩽ 8bar. The driving piston diameter of this series of pumps is 160mm, which is a single acting pump.

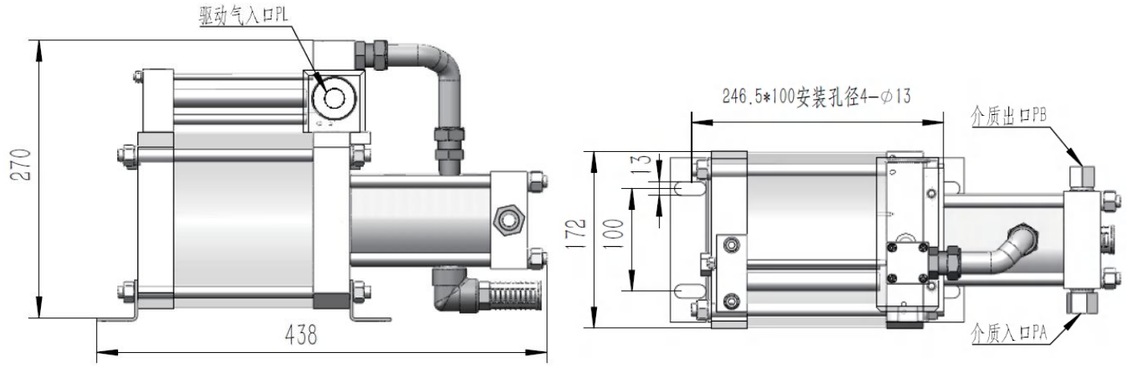


## Performance curves：




When the inlet pressure is 15 bar (217.5 psi), the outlet pressure is 30 bar (435 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 160 LN/min






## Product parameters

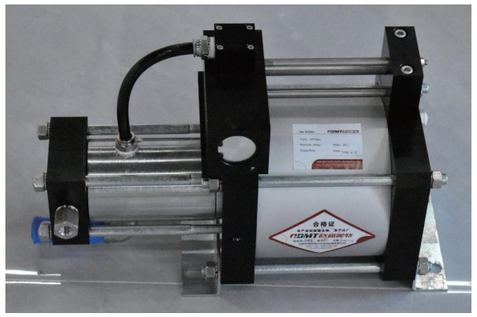
| Technical parameters | OMA10 |
|---|---|
| Pressure ratio | 10:1 |
| Maximum compression ratio | 15:1 |
| Min. Gas inlet pressure PA bar | 4 |
| Max. Gas inlet pressure PA bar | 80 |
| Gas outlet pressure PB bar | 10×PL |
| Max.outlet pressure PB bar | 80 |
| Single stroke capacity ml | 196 |
| Driven air pressure PL bar | 1-8 |
| Driven air port size | ZG1/2" |
| Medium inlet port size | ZG1/2" |
| Medium outlet port size | ZG1/4" |
| Booster pump Material | Alum/stainless steel |
| Maximum operating frequency:time/min | 60 |
| Pump stop pressure PB | 10×PL |
| Max. Working temperature | 60 |
| Net weight kg | 18.5 |
| Standard seals | PTFE, FKM, NBR |
| Length mm | 438 |
| Wide mm | 172 |
| Heigh mm | 273 |
| Inert gas service (standard) | OMA10NL |
| Oxygen service | OMA10OL |
| CO2 service | OMA10CL |

# Gas booster pump model：OMA16

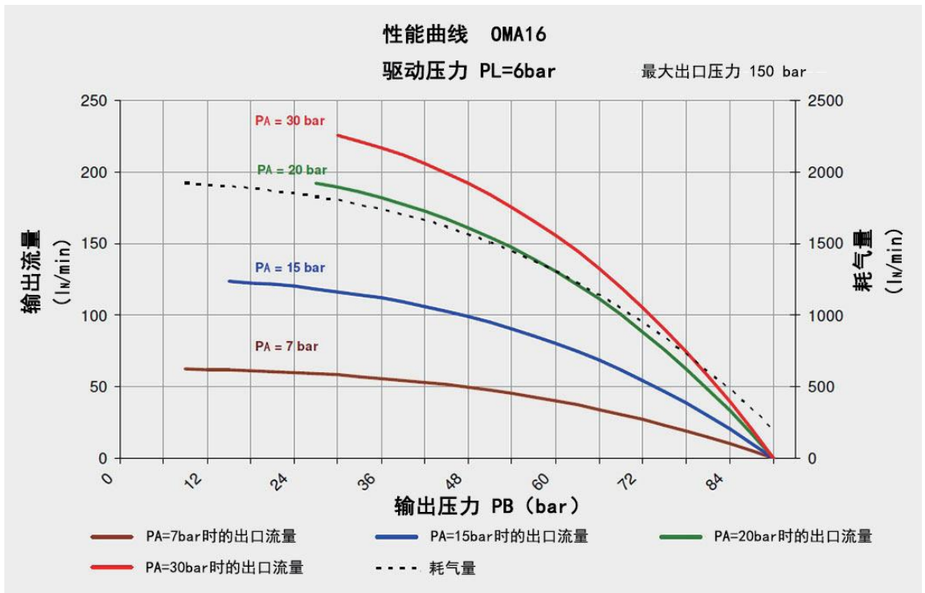
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

OMA series gas booster pump adopts single gas control non-equilibrium gas distribution valve to realize reciprocating motion of the pump. All the pumps are made of aluminum alloy and stainless steel. All the seals are imported high-quality products. The maximum design driving pressure is 10bar. In order to ensure the service life of the pump, it is recommended that the driving pressure is ⩽ 8bar. The driving piston diameter of this series of pumps is 160mm, which is a single acting pump.

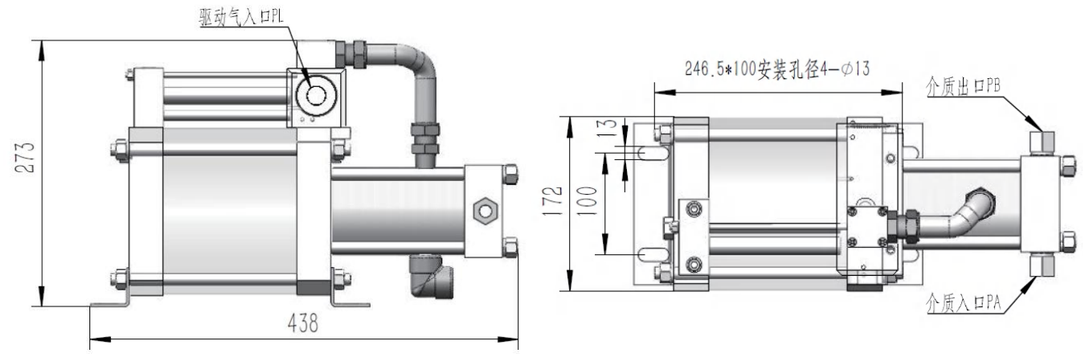


## Performance curves：




When the inlet pressure is 15 bar (217.5 psi), the outlet pressure is 50bar (725 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 145 LN/min






## Product parameters

| Technical parameters | OMA16 |
|---|---|
| Pressure ratio | 16:1 |
| Maximum compression ratio | 20:1 |
| Min. Gas inlet pressure PA bar | 7 |
| Max. Gas inlet pressure PA bar | 128 |
| Gas outlet pressure PB bar | 16×PL |
| Max.outlet pressure PB bar | 128 |
| Single stroke capacity ml | 125 |
| Driven air pressure PL bar | 1-8 |
| Driven air port size | ZG1/2" |
| Medium inlet port size | ZG1/4" |
| Medium outlet port size | ZG1/4" |
| Booster pump Material | Alum/stainless steel |
| Maximum operating frequency:time/min | 60 |
| Pump stop pressure PB | 16×PL |
| Max. Working temperature | 60 |
| Net weight kg | 19 |
| Standard seals | PTFE, FKM, NBR |
| Length mm | 438 |
| Wide mm | 172 |
| Heigh mm | 273 |
| Inert gas service (standard) | OMA16NL |
| Oxygen service | OMA16OL |
| CO2 service | OMA16CL |

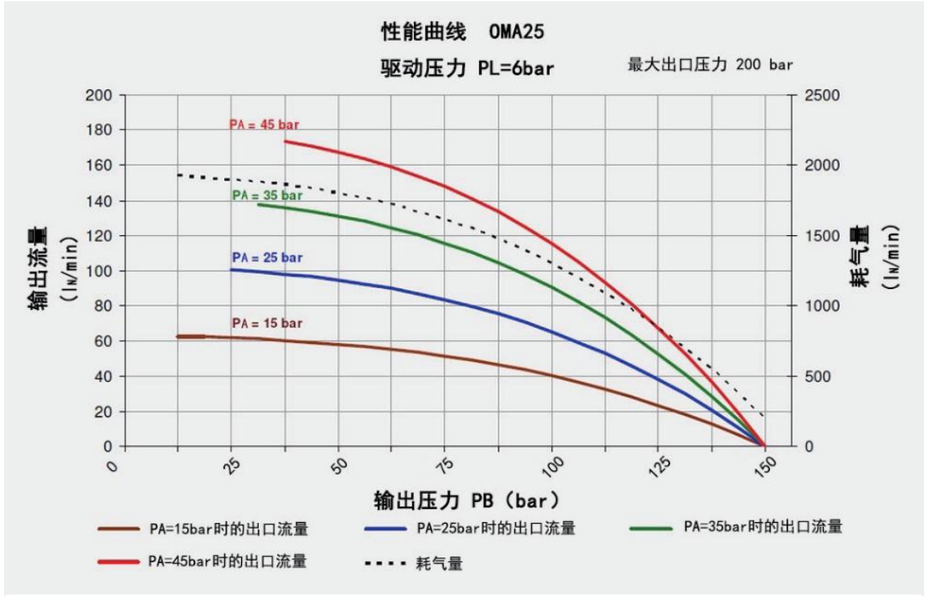
# Gas booster pump model：OMA25

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

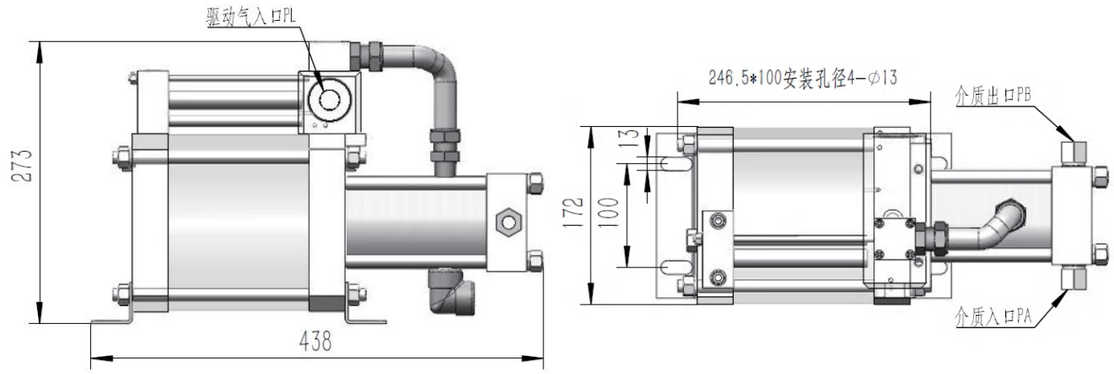
OMA series gas booster pump adopts single gas control non-equilibrium gas distribution valve to realize reciprocating motion of the pump. All the pumps are made of aluminum alloy and stainless steel. All the seals are imported high-quality products. The maximum design driving pressure is 10bar. In order to ensure the service life of the pump, it is recommended that the driving pressure is ⩽ 8bar. The driving piston diameter of this series of pumps is 160mm, which is a single acting pump.

## Performance curves：




When the inlet pressure is 20 bar (290 psi), the outlet pressure is 75 bar (1087.5 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 80 LN/min






## Product parameters

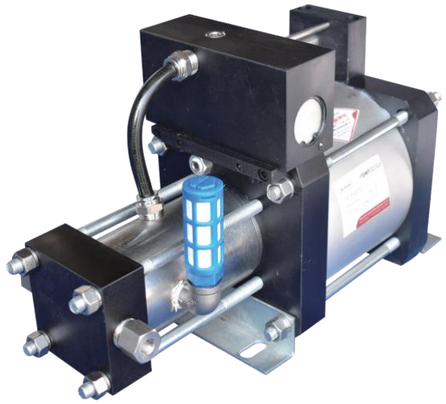
| Technical parameters | OMA25 |
|---|---|
| Pressure ratio | 25:1 |
| Maximum compression ratio | 20:1 |
| Min. Gas inlet pressure PA bar | 12 |
| Max. Gas inlet pressure PA bar | 200 |
| Gas outlet pressure PB bar | 25×PL |
| Max.outlet pressure PB bar | 200 |
| Single stroke capacity ml | 80 |
| Driven air pressure PL bar | 1-8 |
| Driven air port size | ZG1/2" |
| Medium inlet port size | ZG1/4" |
| Medium outlet port size | ZG1/4" |
| Booster pump Material | Alum/stainless steel |
| Maximum operating frequency:time/min | 60 |
| Pump stop pressure PB | 25×PL |
| Max. Working temperature | 60 |
| Net weight kg | 19 |
| Standard seals | PTFE, FKM, NBR |
| Length mm | 438 |
| Wide mm | 172 |
| Heigh mm | 273 |
| Inert gas service (standard) | OMA25NL |
| Oxygen service | OMA25OL |
| CO2 service | OMA25CL |

# Gas booster pump model：OMA40

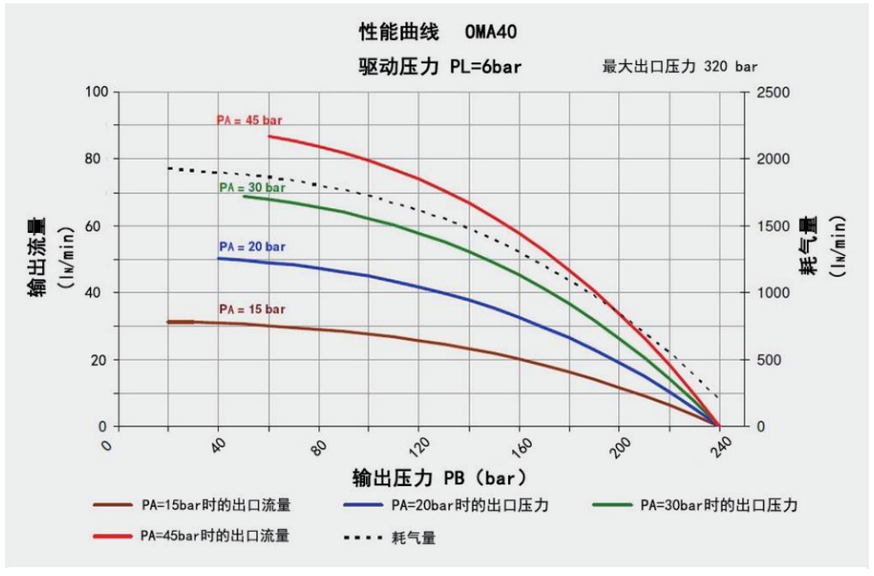
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

OMA series gas booster pump adopts single gas control non-equilibrium gas distribution valve to realize reciprocating motion of the pump. All the pumps are made of aluminum alloy and stainless steel. All the seals are imported high-quality products. The maximum design driving pressure is 10bar. In order to ensure the service life of the pump, it is recommended that the driving pressure is ⩽ 8bar. The driving piston diameter of this series of pumps is 160mm, which is a single acting pump.

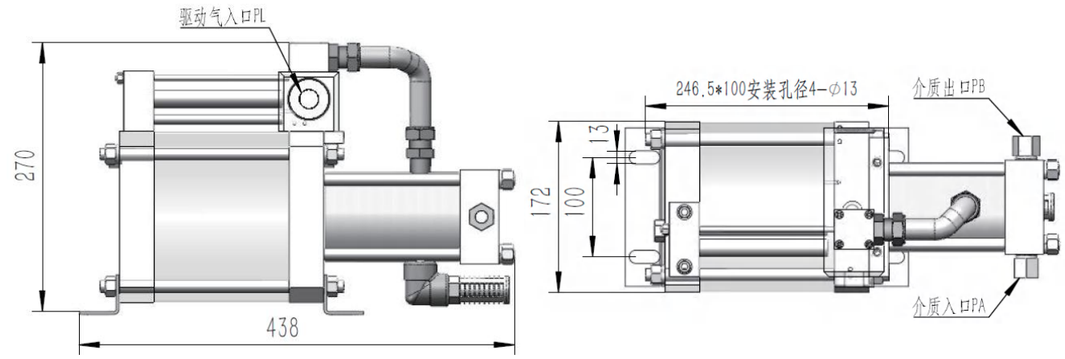


## Performance curves：




When the inlet pressure is 20 bar (290 psi), the outlet pressure is 130 bar (1885 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 42 LN/min






## Product parameters

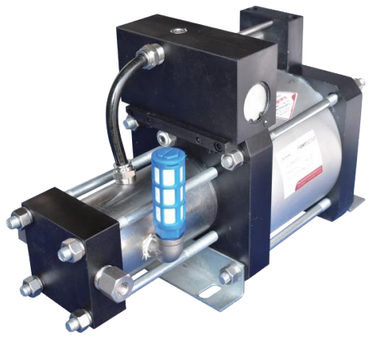
| Technical parameters | OMA40 |
|---|---|
| Pressure ratio | 40:1 |
| Maximum compression ratio | 20:1 |
| Min. Gas inlet pressure PA bar | 20 |
| Max. Gas inlet pressure PA bar | 320 |
| Gas outlet pressure PB bar | 40×PL |
| Max.outlet pressure PB bar | 320 |
| Single stroke capacity ml | 49 |
| Driven air pressure PL bar | 1-8 |
| Driven air port size | ZG1/2" |
| Medium inlet port size | ZG1/4" |
| Medium outlet port size | ZG1/4" |
| Booster pump Material | Alum/stainless steel |
| Maximum operating frequency:time/min | 60 |
| Pump stop pressure PB | 40×PL |
| Max. Working temperature | 60 |
| Net weight kg | 19 |
| Standard seals | PTFE, FKM, NBR |
| Length mm | 438 |
| Wide mm | 172 |
| Heigh mm | 270 |
| Inert gas service (standard) | OMA40NL |
| Oxygen service | OMA40OL |
| CO2 service | OMA40CL |

# Gas booster pump model：OMA60

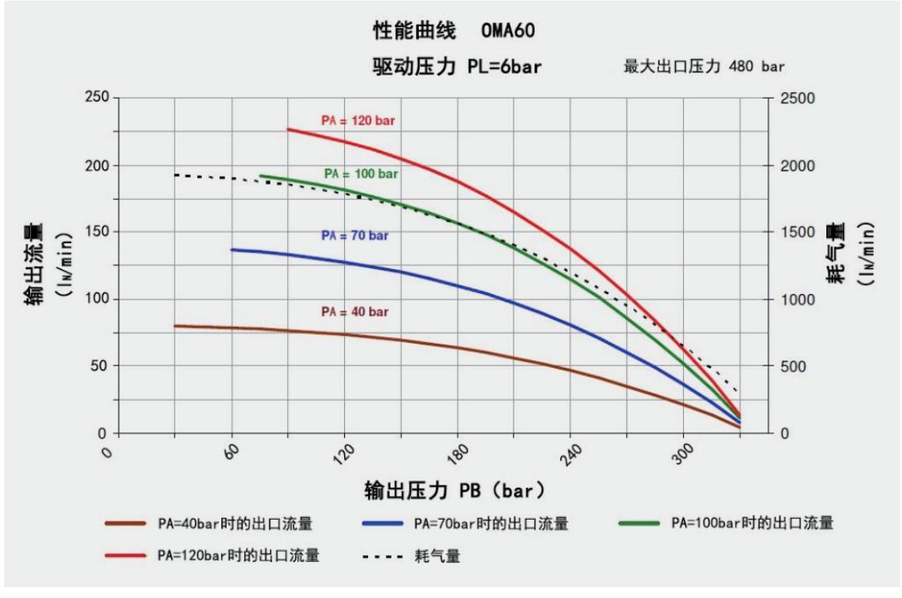
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

OMA series gas booster pump adopts single gas control non-equilibrium gas distribution valve to realize reciprocating motion of the pump. All the pumps are made of aluminum alloy and stainless steel. All the seals are imported high-quality products. The maximum design driving pressure is 10bar. In order to ensure the service life of the pump, it is recommended that the driving pressure is ⩽ 8bar. The driving piston diameter of this series of pumps is 160mm, which is a single acting pump.

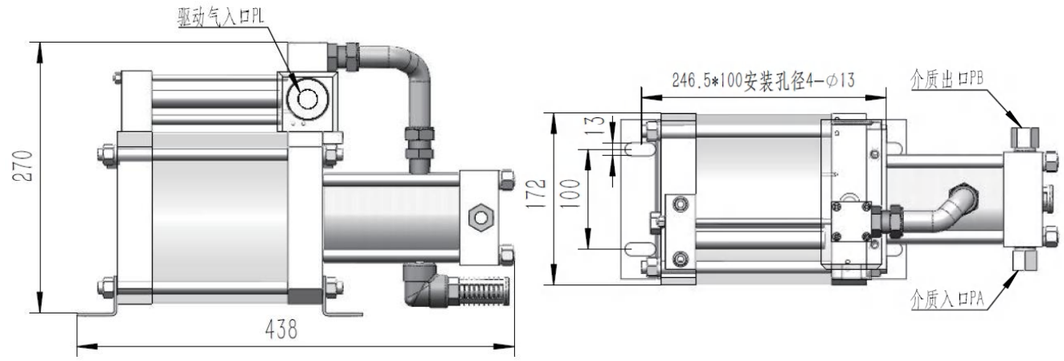


## Performance curves：




When the inlet pressure is 70 bar (1015 psi), the outlet pressure is 150 bar (2175 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 122 LN/min






## Product parameters

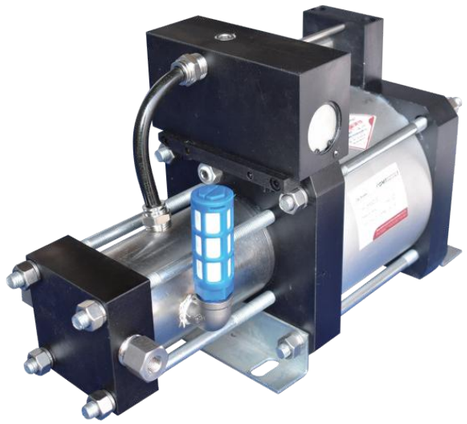
| Technical parameters | OMA60 |
|---|---|
| Pressure ratio | 60:1 |
| Maximum compression ratio | 20:1 |
| Min. Gas inlet pressure PA bar | 30 |
| Max. Gas inlet pressure PA bar | 480 |
| Gas outlet pressure PB bar | 60×PL |
| Max.outlet pressure PB bar | 480 |
| Single stroke capacity ml | 31 |
| Driven air pressure PL bar | 1-8 |
| Driven air port size | ZG1/2" |
| Medium inlet port size | ZG1/4" |
| Medium outlet port size | ZG1/4" |
| Booster pump Material | Alum/stainless steel |
| Maximum operating frequency:time/min | 60 |
| Pump stop pressure PB | 60×PL |
| Max. Working temperature | 60 |
| Net weight kg | 19.5 |
| Standard seals | PTFE, FKM, NBR |
| Length mm | 438 |
| Wide mm | 172 |
| Heigh mm | 270 |
| Inert gas service (standard) | OMA60NL |
| Oxygen service | OMA60OL |
| CO2 service | OMA60CL |

# Gas booster pump model：OMA80

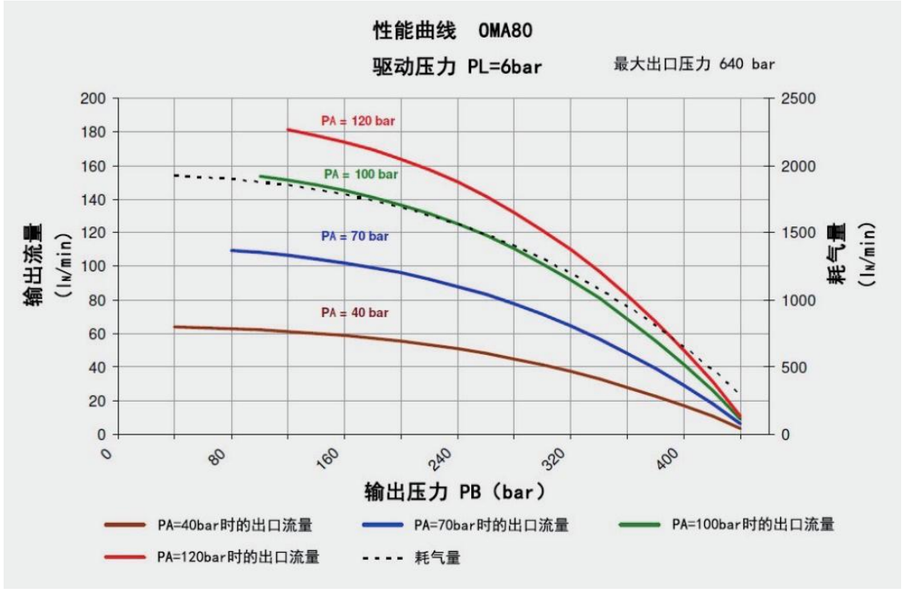
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

OMA series gas booster pump adopts single gas control non-equilibrium gas distribution valve to realize reciprocating motion of the pump. All the pumps are made of aluminum alloy and stainless steel. All the seals are imported high-quality products. The maximum design driving pressure is 10bar. In order to ensure the service life of the pump, it is recommended that the driving pressure is ⩽ 8bar. The driving piston diameter of this series of pumps is 160mm, which is a single acting pump.

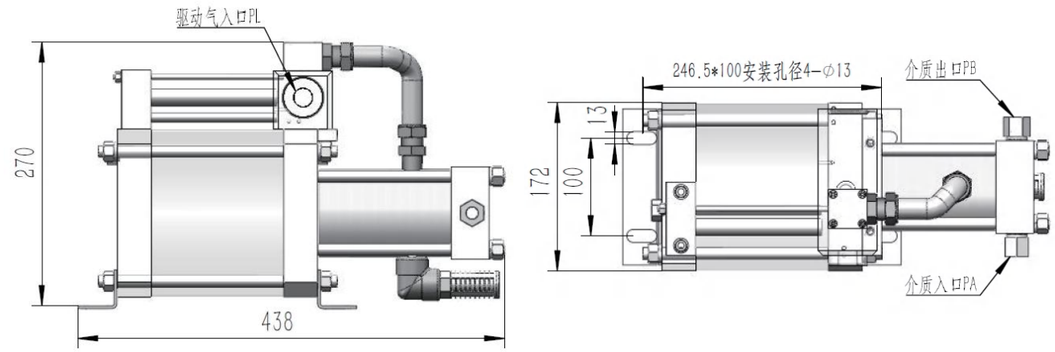


## Performance curves：




When the inlet pressure is 70 bar (1015 psi), the outlet pressure is 24 bar (3480 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 85 LN/min



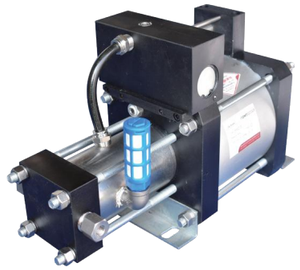



## Product parameters

| Technical parameters | OMA80 |
|---|---|
| Pressure ratio | 80:1 |
| Maximum compression ratio | 20:1 |
| Min. Gas inlet pressure PA bar | 35 |
| Max. Gas inlet pressure PA bar | 640 |
| Gas outlet pressure PB bar | 80×PL |
| Max.outlet pressure PB bar | 640 |
| Single stroke capacity ml | 25 |
| Driven air pressure PL bar | 1-8 |
| Driven air port size | ZG1/2" |
| Medium inlet port size | ZG1/4" |
| Medium outlet port size | ZG1/4"/M14*1.5 |
| Booster pump Material | Alum/stainless steel |
| Maximum operating frequency:time/min | 60 |
| Pump stop pressure PB | 80×PL |
| Max. Working temperature | 60 |
| Net weight kg | 19.5 |
| Standard seals | PTFE, FKM, NBR |
| Length mm | 438 |
| Wide mm | 172 |
| Heigh mm | 270 |
| Inert gas service (standard) | OMA80NL |

# Gas booster pump model：OMA100

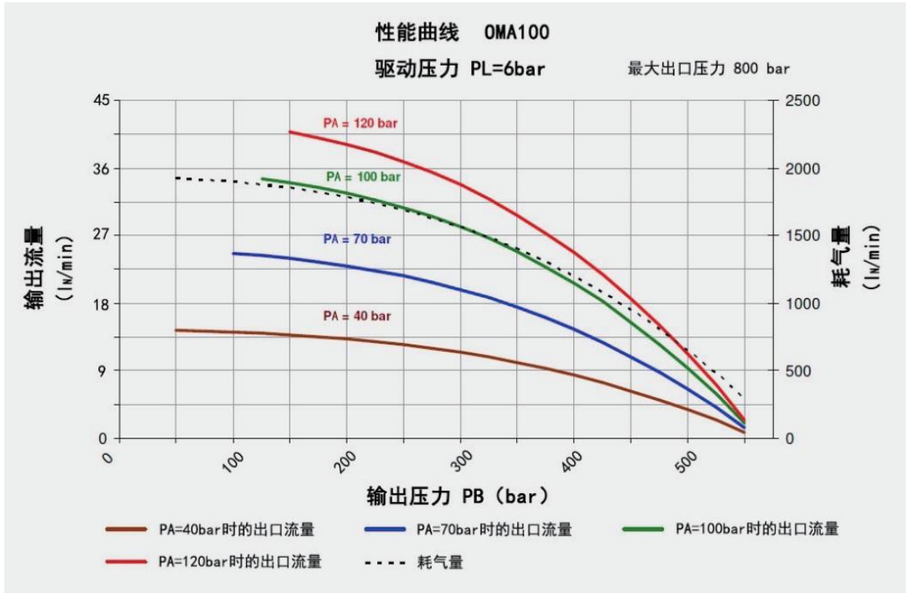
## Product Introduction



For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

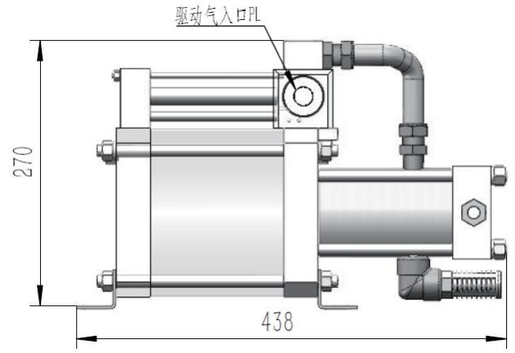
OMA series gas booster pump adopts single gas control non-equilibrium gas distribution valve to realize reciprocating motion of the pump. All the pumps are made of aluminum alloy and stainless steel. All the seals are imported high-quality products. The maximum design driving pressure is 10bar. In order to ensure the service life of the pump, it is recommended that the driving pressure is ⩽ 8bar. The driving piston diameter of this series of pumps is 160mm, which is a single acting pump.

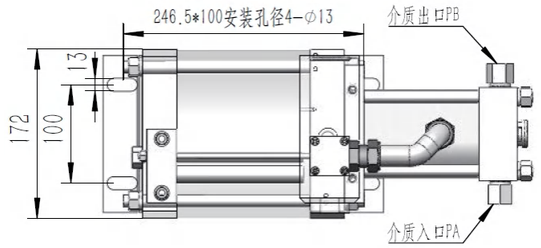
## Performance curves：




When the inlet pressure is 70 bar (1015 psi), the outlet pressure is 300 bar (4350 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 19 LN/min






## Product parameters

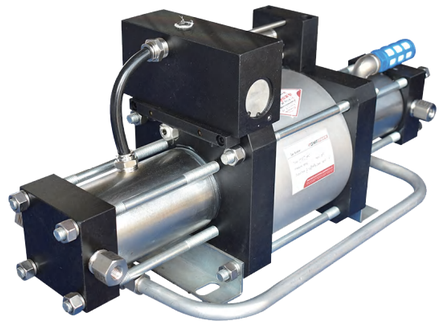
| Technical parameters | OMA100 |
|---|---|
| Pressure ratio | 100:1 |
| Maximum compression ratio | 20:1 |
| Min. Gas inlet pressure PA bar | 40 |
| Max. Gas inlet pressure PA bar | 800 |
| Gas outlet pressure PB bar | 100×PL |
| Max.outlet pressure PB bar | 800 |
| Single stroke capacity ml | 20 |
| Driven air pressure PL bar | 1-8 |
| Driven air port size | ZG1/2" |
| Medium inlet port size | ZG1/4" |
| Medium outlet port size | M14*1.5 |
| Booster pump Material | Alum/stainless steel |
| Maximum operating frequency:time/min | 60 |
| Pump stop pressure PB | 100×PL |
| Max. Working temperature | 60 |
| Net weight kg | 19 |
| Standard seals | PTFE, FKM, NBR |
| Length mm | 438 |
| Wide mm | 172 |
| Heigh mm | 270 |
| Inert gas service (standard) | OMA100NL |

# Gas booster pump model: OMD01B

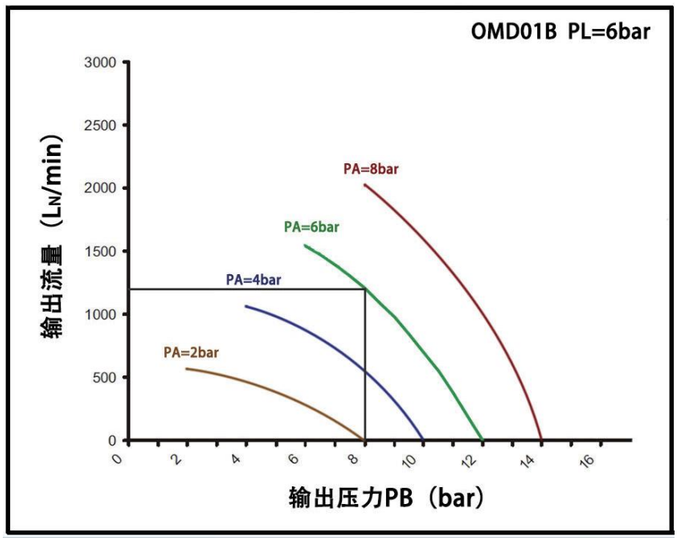
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

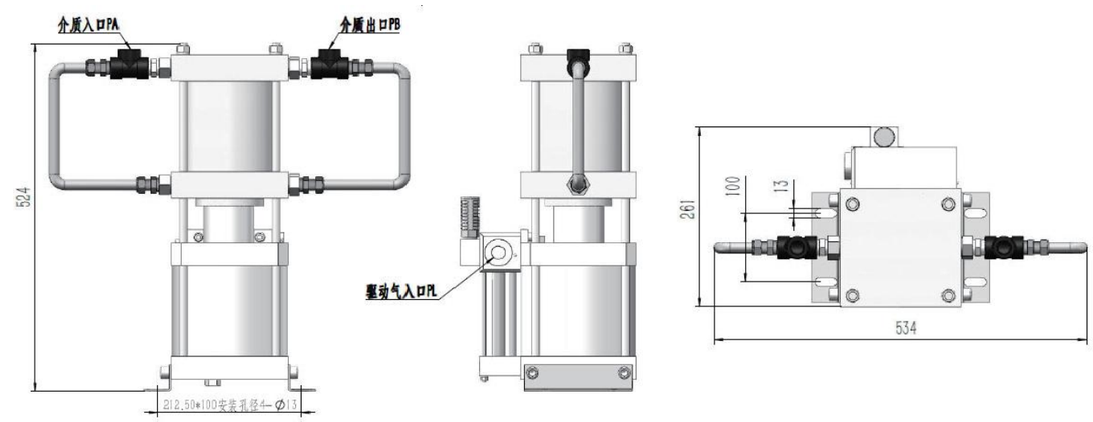


## Performance curves：




When the inlet pressure is 6 bar (87 psi), the outlet pressure is 8 bar (116 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 1200 LN/min






## Product parameters

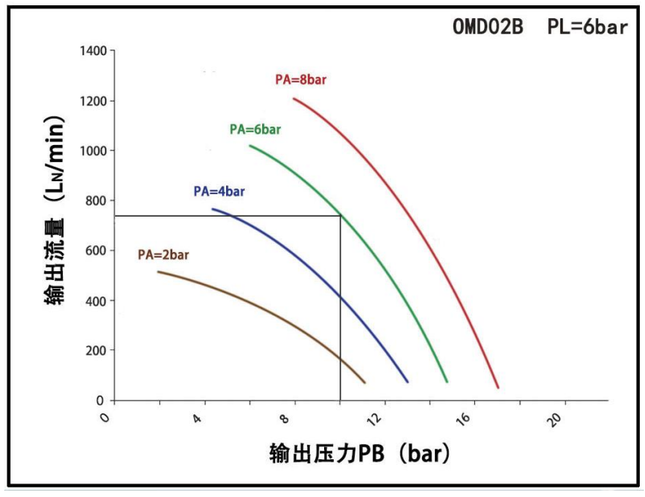
| Technical parameters | OMD01B |
|---|---|
| pressure ratio | 2.5:1 |
| max. compression ratio | 10:1 |
| Min. gas inlet pressure PA bar | Micro negative pressure |
| Max.gas inlet pressurePA bar | 8 |
| gas oulet pressure bar | 1*PL+PA |
| max.gas outlet pressure PB bar | 16 |
| single stroke capacity ml | 1570 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/2" |
| Booster pump Material | Alum/stainless steel |
| max. working frequency:times/min | 60 |
| pump stop pressure PB | 1*PL+PA |
| max. working temperature ℃ | 60 |
| net weight kg | 44 |
| standard seals | PTFE, FKM, NBR |
| length mm | 534 |
| wide mm | 261 |
| height mm | 524 |
| insert gas service (standard) | OMD01BNL |
| oxygen service | OMD01BOL |
| CO2 service | OMD01BCL |

# Gas booster pump model: OMD02B

## Product Introduction

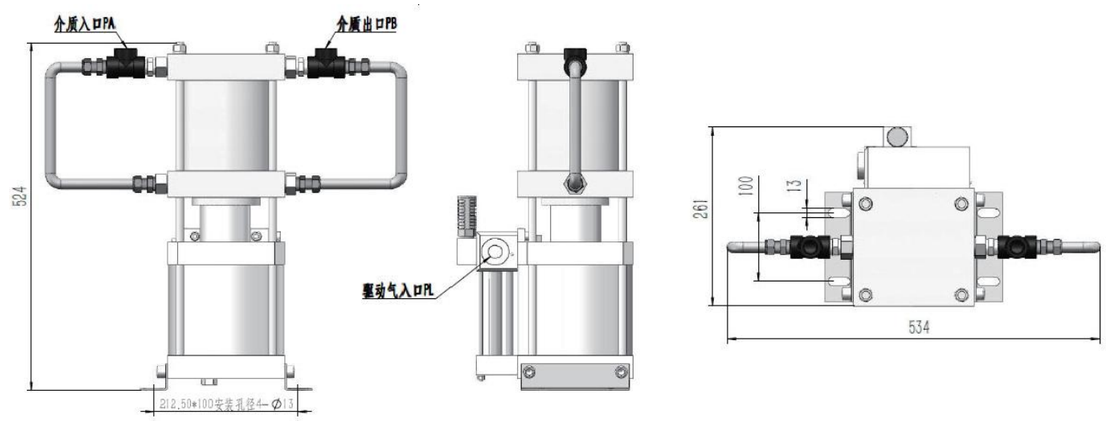
For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.
The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

## Performance curves：




When the inlet pressure is 6 bar (87 psi), the outlet pressure is 10 bar (145 psi), and the air drive pressure is 6 bar (87 psi), the flow rate is 745LN/min






## Product parameters

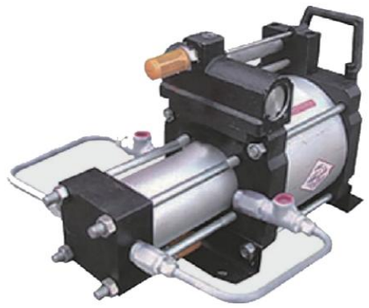
| Technical parameters | OMD02B |
|---|---|
| pressure ratio | 1.6:1 |
| max. compression ratio | 10:1 |
| Min. gas inlet pressure PA bar | Normal pressure |
| Max.gas inlet pressurePA bar | 64 |
| gas oulet pressure bar | 1.6*PL+PA |
| max.gas outlet pressure PB bar | 20 |
| single stroke capacity ml | 1004 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/2" |
| Booster pump Material | Alum/stainless steel |
| max. working frequency:times/min | 60 |
| pump stop pressure PB | 1.6*PL+PA |
| max. working temperature °C | 60 |
| net weight kg | 41 |
| standard seals | PTFE, FKM, NBR |
| length mm | 534 |
| wide mm | 261 |
| height mm | 524 |
| insert gas service (standard) | OMD02BNL |
| oxygen service | OMD02BOL |
| CO2 service | OMD02BCL |

# Gas booster pump model: OMD05B

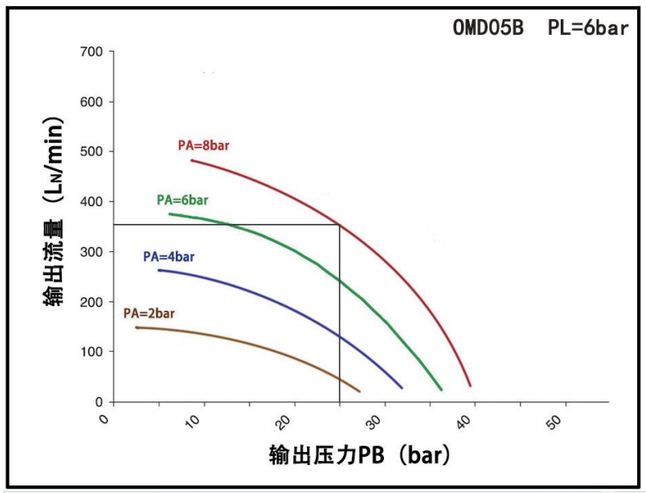
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

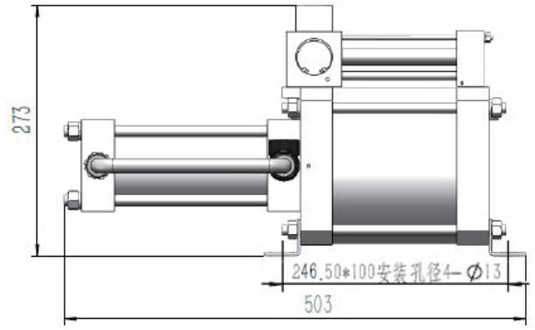


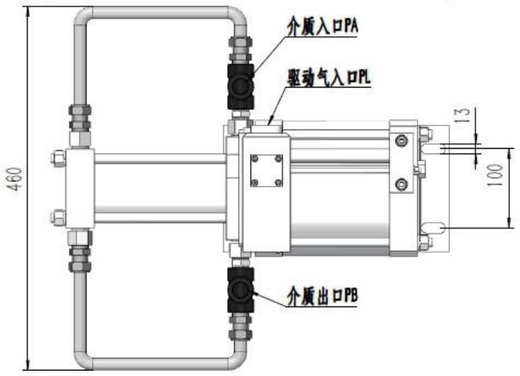
## Performance curves：




When the inlet pressure is 8 bar (116 psi), the outlet pressure is 25 bar (362.5 psi), and the driven air pressure is 6 bar (87 psi), the output flow rate is 350 LN/min






## Product parameters

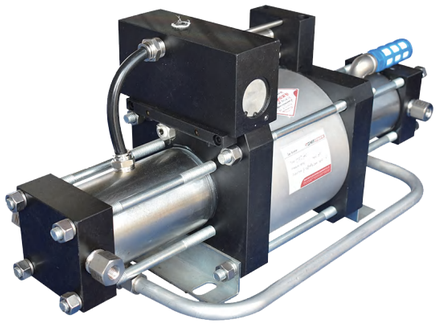
| Technical parameters | OMD05B |
|---|---|
| pressure ratio | 5:1 |
| max. compression ratio | 10:1 |
| Min. gas inlet pressure PA bar | 1 |
| Max.gas inlet pressurePA bar | 40 |
| gas oulet pressure bar | 4PL+PA |
| max.gas outlet pressure PB bar | 40 |
| single stroke capacity ml | 502 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/2" |
| Booster pump Material | Alum/stainless steel |
| max. working frequency:times/min | 60 |
| pump stop pressure PB | 4PL+PA |
| max. working temperature ℃ | 60 |
| net weight kg | 21 |
| standard seals | PTFE, FKM, NBR |
| length mm | 503 |
| wide mm | 460 |
| height mm | 273 |
| insert gas service (standard) | OMD05BNL |
| oxygen service | OMD05BOL |
| CO2 service | OMD05BCL |

# Gas booster pump model: OMD02

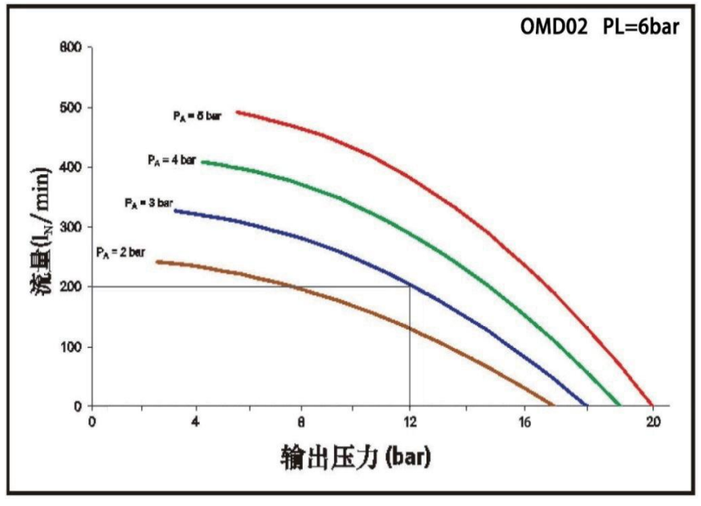
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

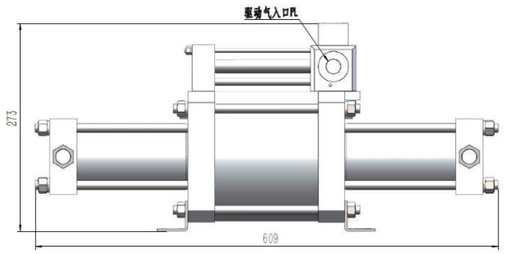


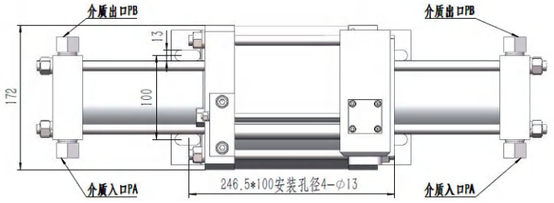
## Performance curves：




When the inlet pressure is 3bar (43.5psi), the outlet pressure is 12bar (174psi), and the driven air pressure is 6bar (87psi), the flow rate is 200LN/min






## Product parameters

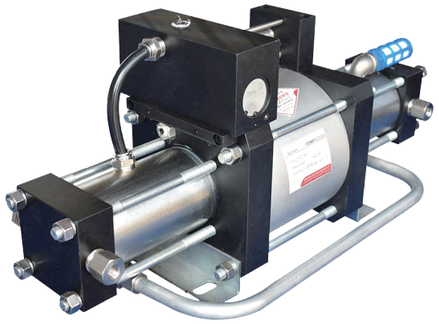
| Technical parameters | OMD02 |
|---|---|
| pressure ratio | 2.5:1 |
| max. compression ratio | 10:1 |
| Min. gas inlet pressure PA bar | 1 |
| Max.gas inlet pressurePA bar | 20 |
| gas oulet pressure bar | 2.5PL+PA |
| max.gas outlet pressure PB bar | 40 |
| single stroke capacity ml | 1570 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/2" |
| Booster pump Material | Alum/stainless steel |
| max. working frequency:times/min | 60 |
| pump stop pressure PB | 2.5PL+PA |
| max. working temperature ℃ | 60 |
| net weight kg | 24 |
| standard seals | PTFE, FKM, NBR |
| length mm | 665 |
| wide mm | 172 |
| height mm | 273 |
| insert gas service (standard) | OMD02NL |
| oxygen service | OMD02OL |
| CO2 service | OMD02CL |

# Gas booster pump model: OMD04

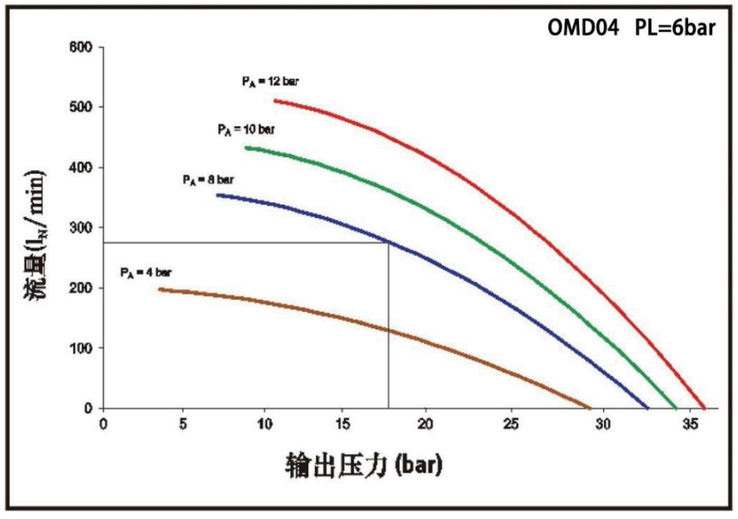
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

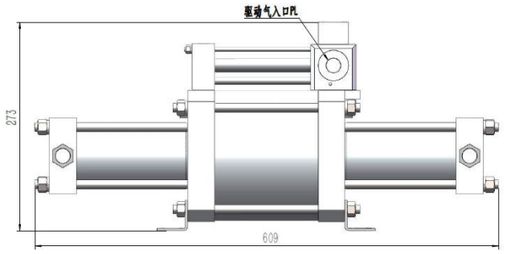


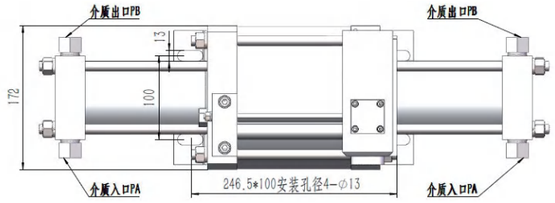
## Performance curves：




When the inlet pressure is 8 bar (116 psi), the outlet pressure is 18 bar (261 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 270 LN/min






## Product parameters

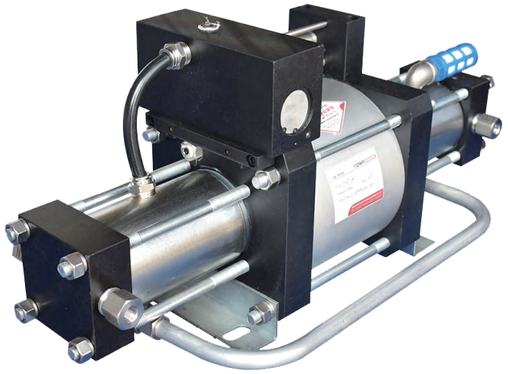
| Technical parameters | OMD04 |
|---|---|
| pressure ratio | 4:1 |
| max. compression ratio | 15:1 |
| Min. gas inlet pressure PA bar | 2 |
| Max.gas inlet pressurePA bar | 40 |
| gas oulet pressure bar | 4PL+PA |
| max.gas outlet pressure PB bar | 64 |
| single stroke capacity ml | 1004 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/2" |
| Booster pump Material | Alum/stainless steel |
| max. working frequency:times/min | 60 |
| pump stop pressure PB | 4PL+PA |
| max. working temperature ℃ | 60 |
| net weight kg | 21 |
| standard seals | PTFE, FKM, NBR |
| length mm | 609 |
| wide mm | 172 |
| height mm | 273 |
| insert gas service (standard) | OMD04NL |
| oxygen service | OMD04OL |
| CO2 service | OMD04CL |

# Gas booster pump model: OMD10

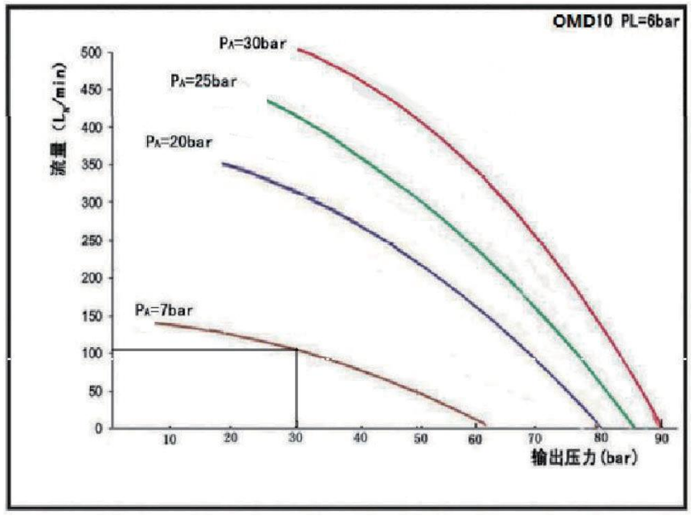
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

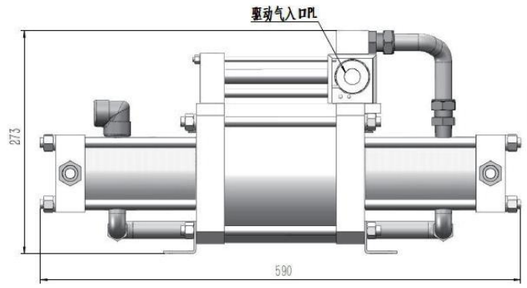


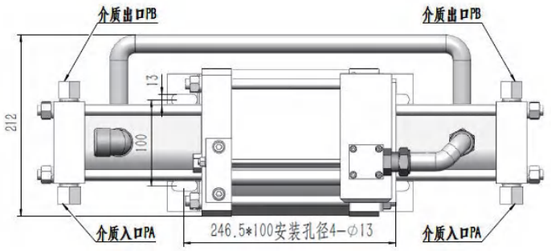
## Performance curves：




When the inlet pressure is 7 bar (101.5 psi), the outlet pressure is 30 bar (435 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 105 LN/min






## Product parameters

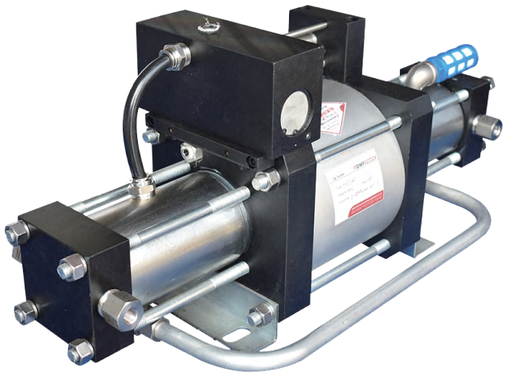
| Technical parameters | OMD10 |
|---|---|
| pressure ratio | 10:1 |
| max. compression ratio | 15:1 |
| Min. gas inlet pressure PA bar | 4 |
| Max.gas inlet pressurePA bar | 80 |
| gas oulet pressure bar | 10PL+PA |
| max.gas outlet pressure PB bar | 80 |
| single stroke capacity ml | 394 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/4" |
| Booster pump Material | Alum/stainless steel |
| max. working frequency:times/min | 60 |
| pump stop pressure PB | 10PL+PA |
| max. working temperature ℃ | 60 |
| net weight kg | 23 |
| standard seals | PTFE，FKM，NBR |
| length mm | 590 |
| wide mm | 212 |
| height mm | 273 |
| insert gas service (standard) | OMD10NL |
| oxygen service | OMD10OL |
| CO2 service | OMD10CL |

# Gas booster pump model: OMD16

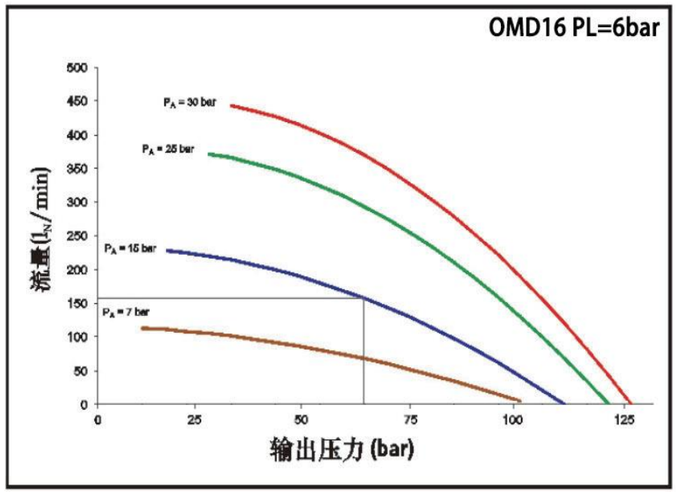
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

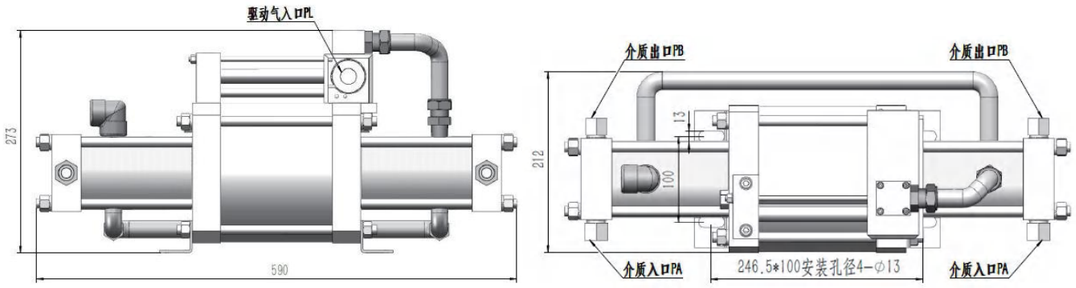


## Performance curves：




When the inlet pressure is 15 bar (217.5 psi), the outlet pressure is 65 bar (942.5 psi), and the air drive pressure is 6 bar (87 psi), the flow rate is 155 LN/min






## Product parameters

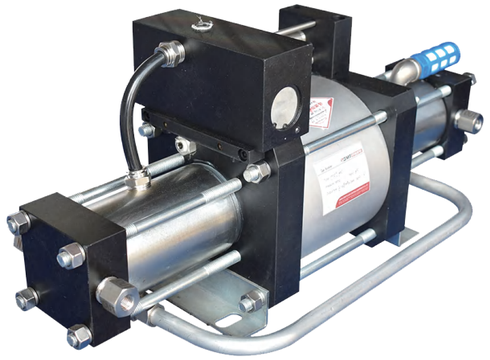
| Technical parameters | OMD16 |
|---|---|
| pressure ratio | 16:1 |
| max. compression ratio | 20:1 |
| Min. gas inlet pressure PA bar | 7 |
| Max.gas inlet pressurePA bar | 128 |
| gas oulet pressure bar | 16PL+PA |
| max.gas outlet pressure PB bar | 128 |
| single stroke capacity ml | 250 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/4" |
| Booster pump Material | Alum/stainless steel |
| max. working frequency:times/min | 60 |
| pump stop pressure PB | 16PL+PA |
| max. working temperature ℃ | 60 |
| net weight kg | 25 |
| standard seals | PTFE, FKM, NBR |
| length mm | 590 |
| wide mm | 212 |
| height mm | 273 |
| insert gas service (standard) | OMD16NL |
| oxygen service | OMD16OL |
| CO2 service | OMD16CL |

# Gas booster pump model: OMD25

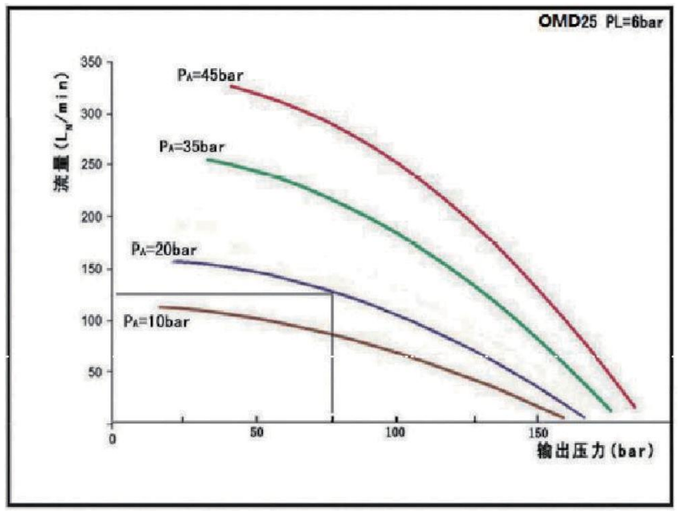
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ≤8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

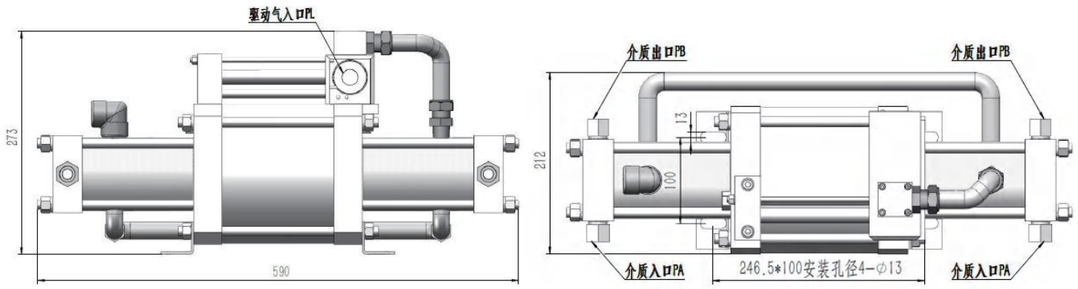


## Performance curves：




When the inlet pressure is 20 bar (290 psi), the outlet pressure is 75 bar (1087.5 psi), and the air drive pressure is 6 bar (87 psi), the flow rate is 125 LN/min






## Product parameters

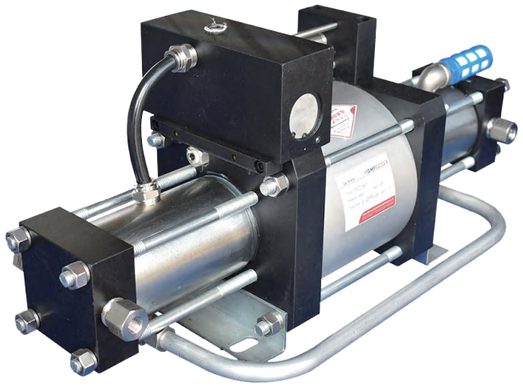
| Technical parameters | OMD25 |
|---|---|
| pressure ratio | 25:1 |
| max. compression ratio | 20:1 |
| Min. gas inlet pressure PA bar | 12 |
| Max.gas inlet pressurePA bar | 200 |
| gas oulet pressure bar | 25PL+PA |
| max.gas outlet pressure PB bar | 200 |
| single stroke capacity ml | 160 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | ZG1/4" |
| Booster pump Material | Alum/stainless steel |
| max. working frequency:times/min | 60 |
| pump stop pressure PB | 25PL+PA |
| max. working temperature °C | 60 |
| net weight kg | 24 |
| standard seals | PTFE, FKM, NBR |
| length mm | 593 |
| wide mm | 212 |
| height mm | 273 |
| insert gas service (standard) | OMD25NL |
| oxygen service | OMD25OL |
| CO2 service | OMD25CL |

# Gas booster pump model: OMD40

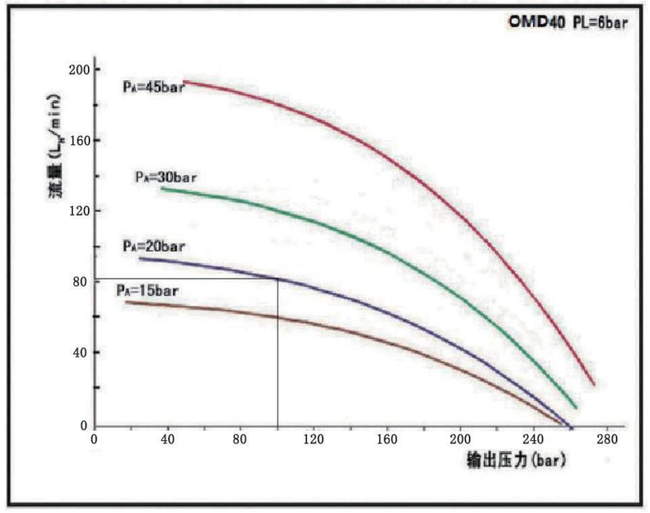
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

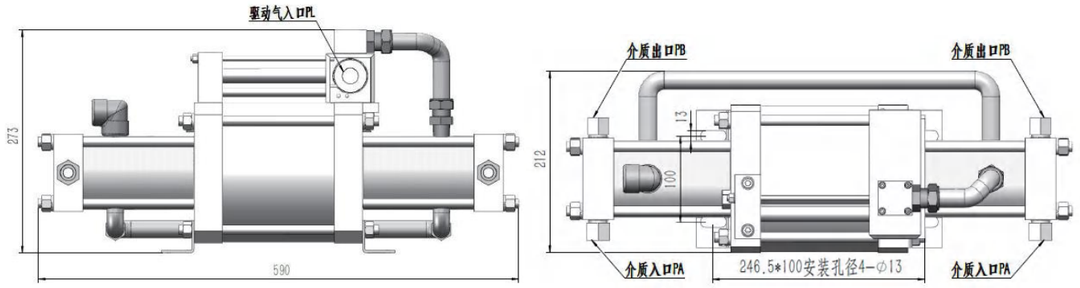


## Performance curves：




When inlet pressure 20bar (290psi) , outlet pressure 100bar (1450psi) , at driven air pressure 6bar ( 87psi) , flow rate：82LN/min






## Product parameters

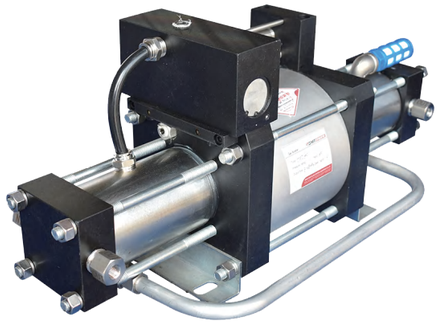
| Technical parameters | OMD40 |
|---|---|
| pressure ratio | 40:1 |
| max. compression ratio | 20:1 |
| Min. gas inlet pressure PA bar | 20 |
| Max.gas inlet pressurePA bar | 320 |
| gas oulet pressure bar | 40PL+PA |
| max.gas outlet pressure PB bar | 320 |
| single stroke capacity ml | 98 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | ZG1/4" |
| Booster pump Material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 40PL+PA |
| max. working temperature ℃ | 60 |
| net weight kg | 25 |
| standard seals | PTFE, FKM, NBR |
| length mm | 593 |
| wide mm | 212 |
| height mm | 273 |
| insert gas service (standard) | OMD40NL |
| oxygen service | OMD40OL |
| CO2 service | OMD40CL |

# Gas booster pump model: OMD06

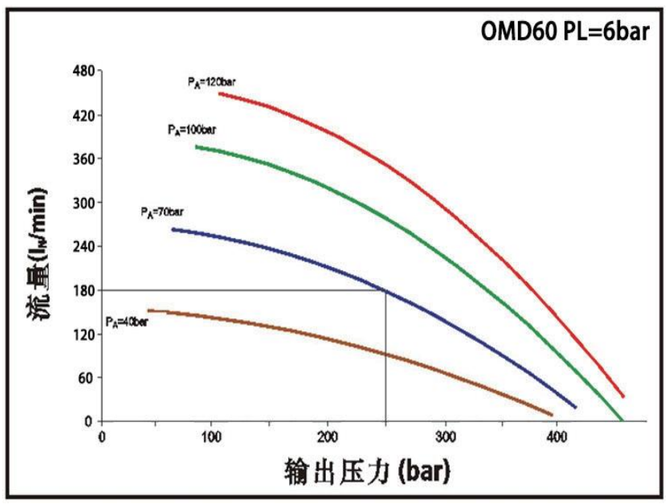
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

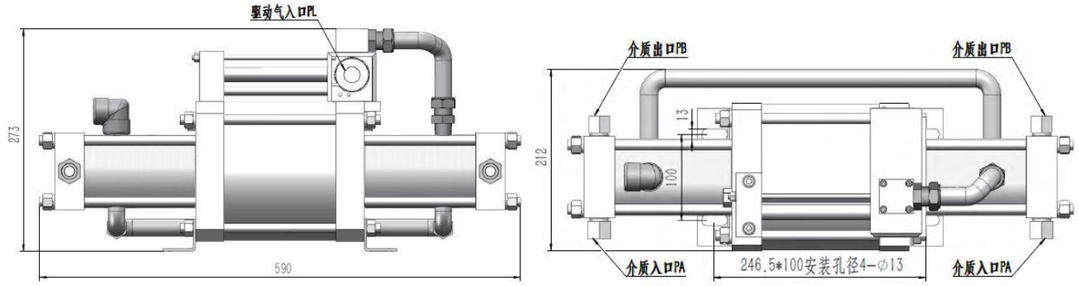


## Performance curves:




When the inlet pressure is 70 bar (1015 psi), the outlet pressure is 250 bar (3625 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 180 LN/min






## Product parameters

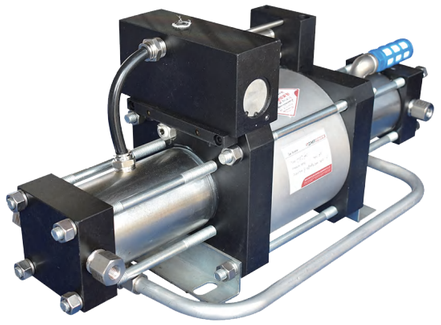
| Technical parameters | OMD60 |
|---|---|
| pressure ratio | 60:1 |
| max. compression ratio | 20:1 |
| Min. gas inlet pressure PA bar | 30 |
| Max.gas inlet pressurePA bar | 480 |
| gas oulet pressure bar | 60PL+PA |
| max.gas outlet pressure PB bar | 480 |
| single stroke capacity ml | 62 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | ZG1/4" |
| Booster pump Material | Alum/stainless steel |
| max. working frequency:times/min | 60 |
| pump stop pressure PB | 60PL+PA |
| max. working temperature °C | 60 |
| net weight kg | 25 |
| standard seals | PTFE, FKM, NBR |
| length mm | 593 |
| wide mm | 212 |
| height mm | 273 |
| insert gas service (standard) | OMD60NL |
| oxygen service | OMD60OL |
| CO2 service | OMD60CL |

# Gas booster pump model: OMD80

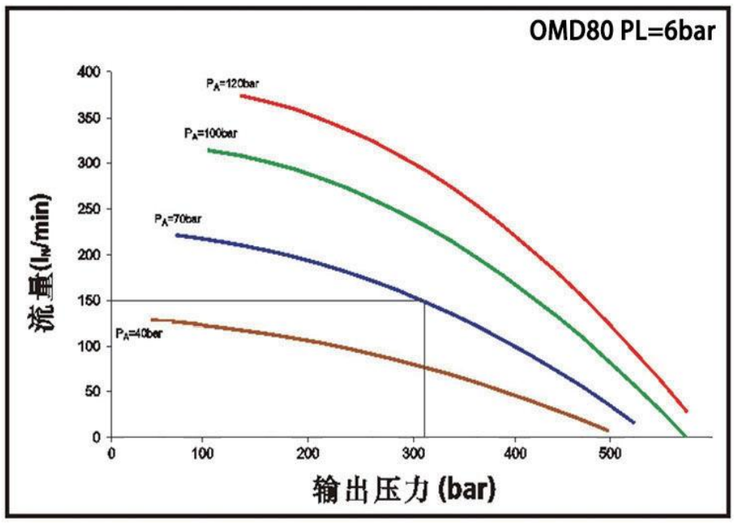
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

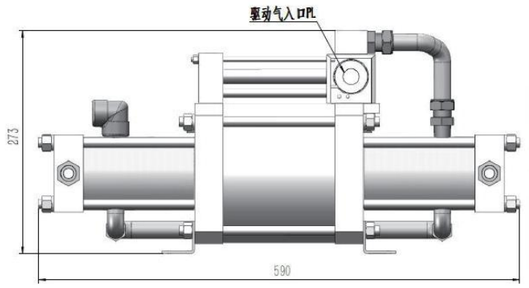


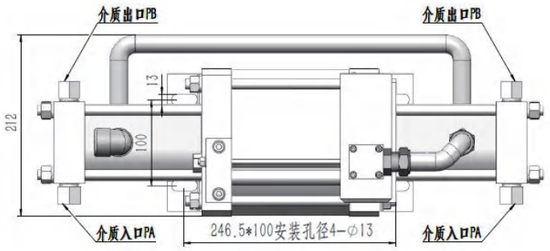
## Performance curves：




When the inlet pressure is 70 bar (1015 psi), the outlet pressure is 314 bar (4553 psi), and the air drive pressure is 6 bar (87 psi), the flow rate is 150 LN/min






## Product parameters

| Technical parameters | OMD80 |
|---|---|
| pressure ratio | 80:1 |
| max. compression ratio | 20:1 |
| Min. gas inlet pressure PA bar | 35 |
| Max.gas inlet pressurePA bar | 640 |
| gas oulet pressure bar | 80PL+PA |
| max.gas outlet pressure PB bar | 640 |
| single stroke capacity ml | 50 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | ZG1/4"/M14*1.5 |
| Booster pump Material | Alum/stainless steel |
| max. working frequency:times/min | 60 |
| pump stop pressure PB | 80PL+PA |
| max. working temperature °C | 60 |
| net weight kg | 25 |
| standard seals | PTFE, FKM, NBR |
| length mm | 593 |
| wide mm | 212 |
| height mm | 273 |
| insert gas service (standard) | OMD80NL |

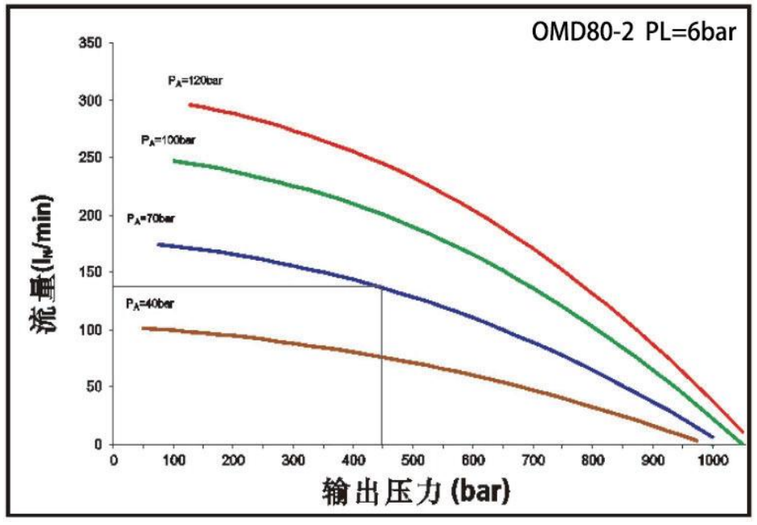
# Gas booster pump model: OMD80-2

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

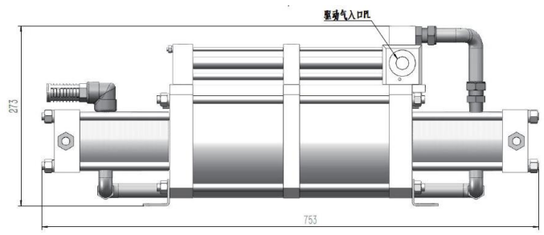
The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

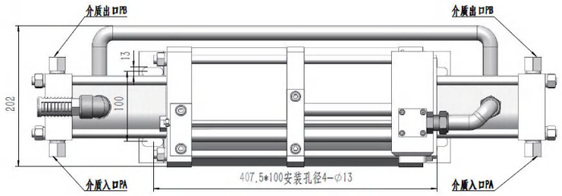
## Performance curves：




When the inlet pressure is 70 bar (1015 psi), the outlet pressure is 450 bar (6525 psi), and the air drive pressure is 6 bar (87 psi), the flow rate is 130 LN/min






## Product parameters

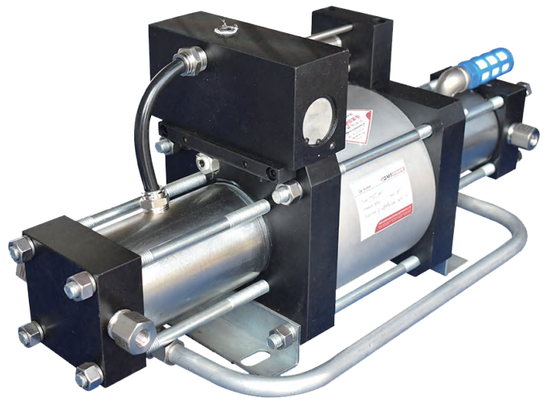
| Technical parameters | OMD80-2 |
|---|---|
| pressure ratio | 160∶1 |
| max. compression ratio | 20∶1 |
| Min. gas inlet pressure PA bar | 45 |
| Max.gas inlet pressurePA bar | 1280 |
| gas oulet pressure bar | 160PL+PA |
| max.gas outlet pressure PB bar | 1280 |
| single stroke capacity ml | 50 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | M14*1.5 |
| Booster pump Material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 160PL+PA |
| max. working temperature ℃ | 60 |
| net weight kg | 30 |
| standard seals | PTFE，FKM，NBR |
| length mm | 753 |
| wide mm | 202 |
| height mm | 273 |
| insert gas service (standard) | OMD80-2NL |

# Gas booster pump model: OMD100

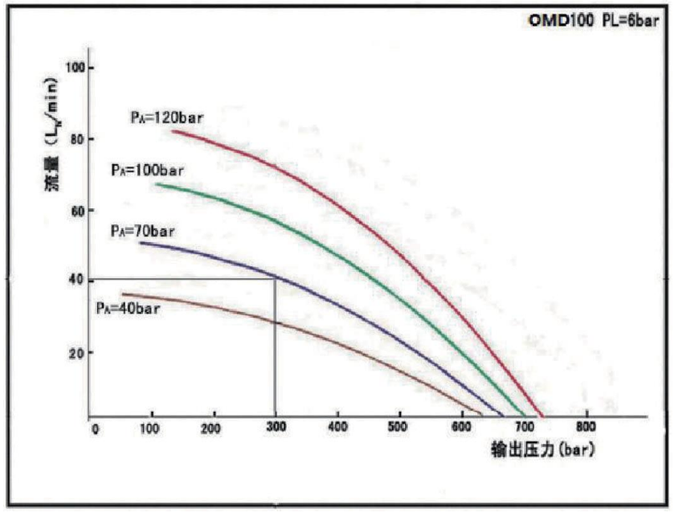
## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

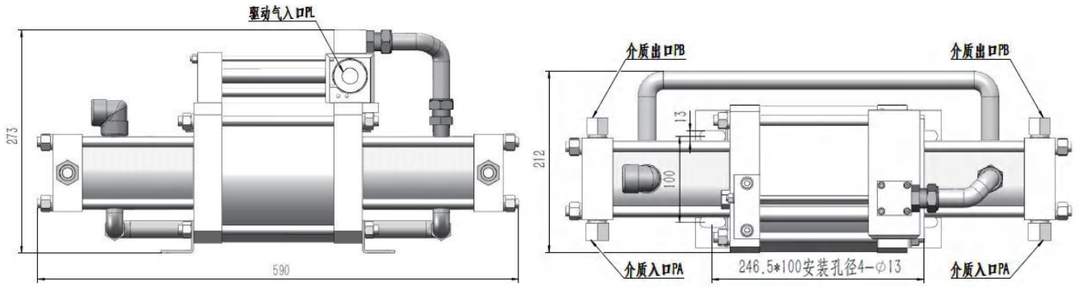


## Performance curves：




When the inlet pressure is 70 bar (1015 psi), the outlet pressure is 300 bar (4350 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 41 LN/min






## Product parameters

| Technical parameters | OMD100 |
|---|---|
| pressure ratio | 100:1 |
| max. compression ratio | 20:1 |
| Min. gas inlet pressure PA bar | 40 |
| Max.gas inlet pressurePA bar | 800 |
| gas oulet pressure bar | 100PL+PA |
| max.gas outlet pressure PB bar | 800 |
| single stroke capacity ml | 40 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | M14*1.5 |
| Booster pump Material | Alum/stainless steel |
| max. working frequency:times/min | 60 |
| pump stop pressure PB | 100PL+PA |
| max. working temperature ℃ | 60 |
| net weight kg | 25 |
| standard seals | PTFE，FKM，NBR |
| length mm | 593 |
| wide mm | 212 |
| height mm | 273 |
| insert gas service (standard) | OMD100NL |

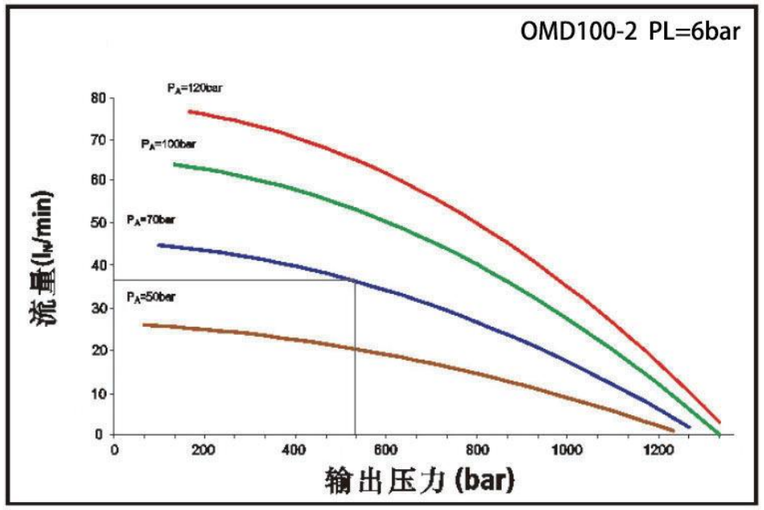
# Gas booster pump model: OMD100-2

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases. They are divided into single-stage single-acting gas booster pumps, single-stage double-acting gas booster pumps, and double- stages gas booster pumps etc.

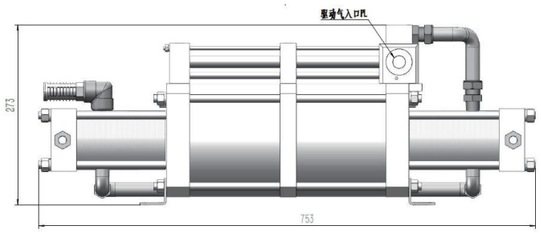
The OMD series gas booster pump is a single-stage booster pump. In order to achieve the required pressure, the input air pressure at the gas input port requires a certain degree of pre-increase. The pre-increase pressure varies depending on the maximum pressure reached. The commutation method of this series pumps is exactly the same as that of the OMA series. The difference is that this series pump is a double-head pump based on the OMA series. The entire pump is made of aluminum alloy and stainless steel. The driving piston diameter of this series pumps is 160mm, the driven air pressure is ⩽8bar, and the pump heads at both ends are equipped with exhaust cooling. When leaving the factory, the two inlets and two outlets can be connected with pipelines according to user requirements.

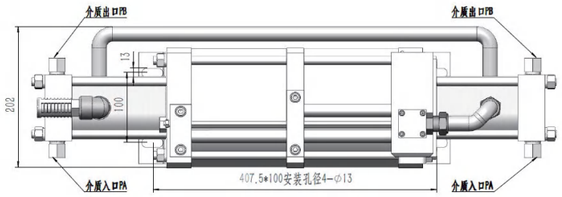
## Performance curves：




When the inlet pressure is 70 bar (1015 psi), the outlet pressure is 530 bar (7685 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 36 LN/min






## Product parameters

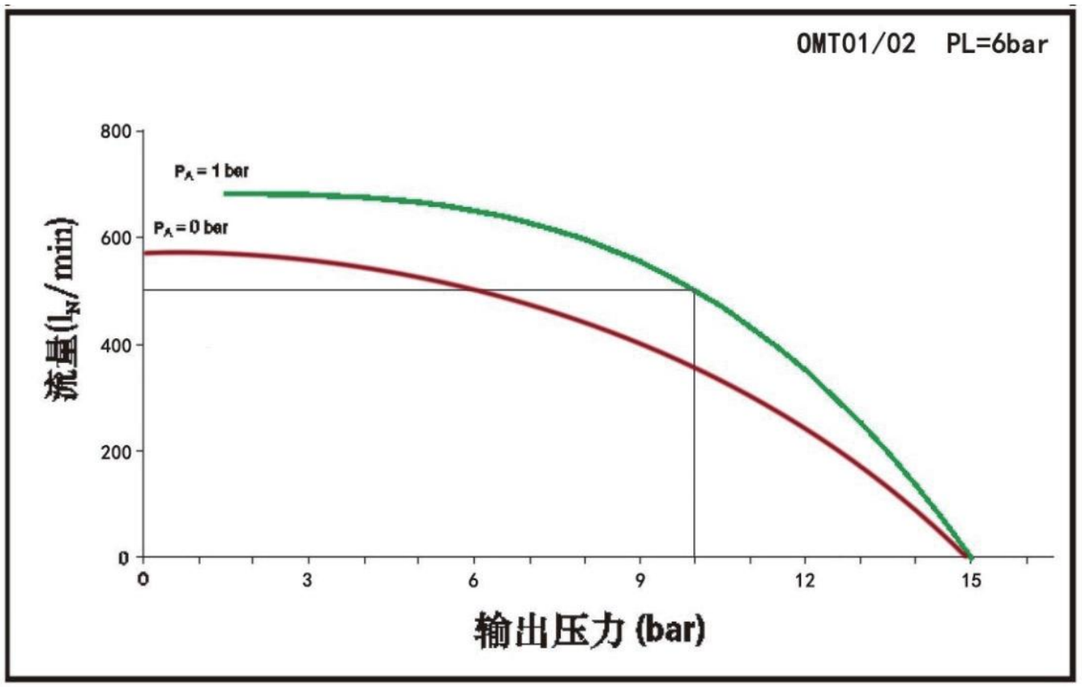
| Technical parameters | OMD100-2 |
|---|---|
| pressure ratio | 200:1 |
| max. compression ratio | 20:1 |
| Min. gas inlet pressure PA bar | 55 |
| Max.gas inlet pressurePA bar | 1600 |
| gas oulet pressure bar | 200PL+PA |
| max.gas outlet pressure PB bar | 1600 |
| single stroke capacity ml | 40 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | M14*1.5 |
| Booster pump Material | Alum/stainless steel |
| max. working frequency:times/min | 60 |
| pump stop pressure PB | 200PL+PA |
| max. working temperature °C | 60 |
| net weight kg | 30 |
| standard seals | PTFE, FKM, NBR |
| length mm | 759 |
| wide mm | 202 |
| height mm | 273 |
| insert gas service (standard) | OMD100-2NL |

# Gas booster pump model：OMT01/02

## Product Introduction

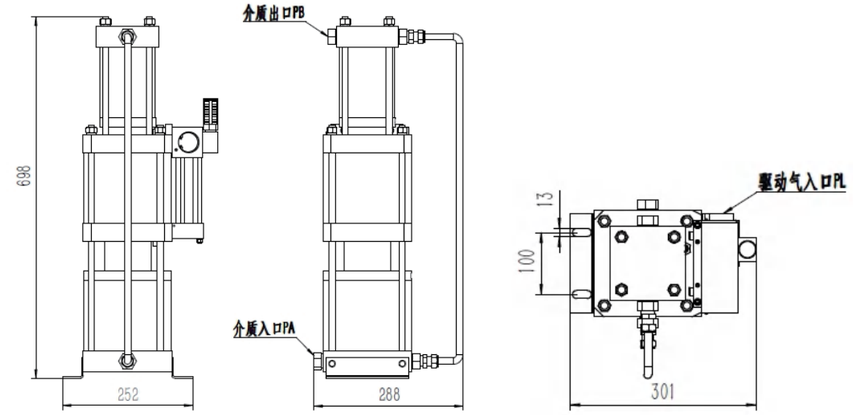
For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ⩽8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

## Performance curves：




When the inlet pressure is 1 bar (14.5 psi), the outlet pressure is 10 bar (145 psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 500 LN/min






## Product parameters

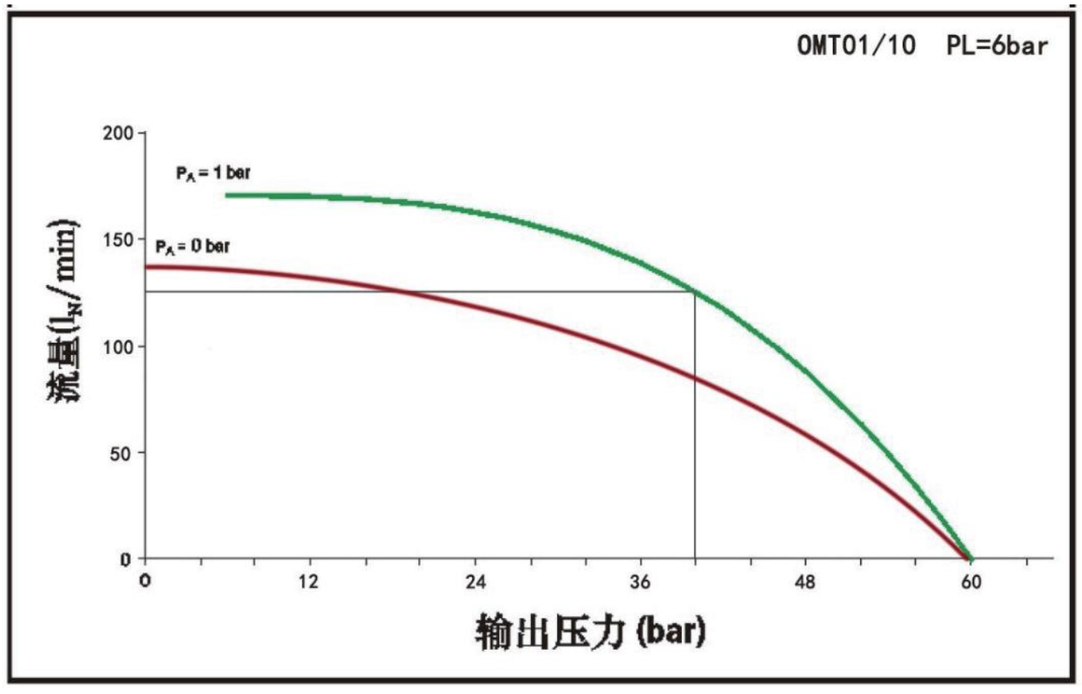
| Technical Parameters | OMT01/02 |
|---|---|
| pressure ratio | 1:1/2.5:1 |
| max. compression ratio | 60：1 |
| Stage | 2.5:1 |
| Min. gas inlet pressure PA bar | Slightly negative pressure |
| Max.gas inlet pressurePA bar | Normal pressure |
| gas oulet pressure bar | 2.5PL |
| max.gas outlet pressure PB bar | 20 |
| single stroke capacity ml | 2000/785 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/2" |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 2.5PL |
| max. working temperature ℃ | 60 |
| net weight kg | 29 |
| standard seals | PTFE，FKM，NBR |
| length mm | 301 |
| wide mm | 288 |
| height mm | 698 |
| insert gas service (standard) | OMT01/02NL |
| oxygen service | OMT01/02OL |
| CO2 service | OMT01/02CL |

# Gas booster pump model：OMT01/10

## Product Introduction

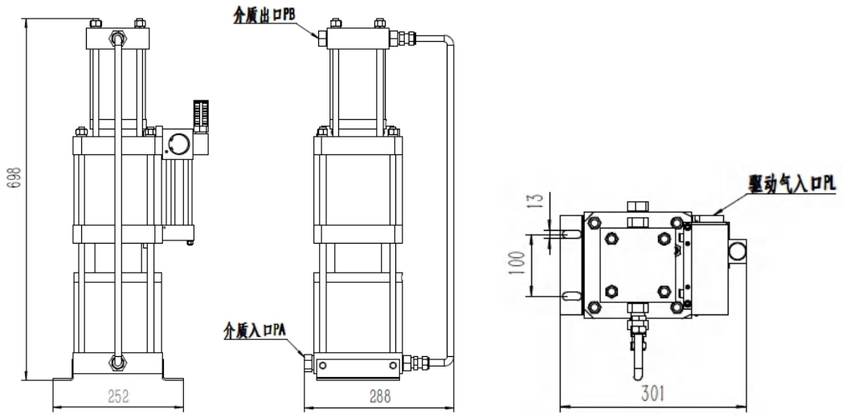
For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ≤8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

## Performance curves：




When the inlet pressure is 1 bar (14.5 psi), the outlet pressure is 40 bar (580psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 125 LN/min






## Product parameters

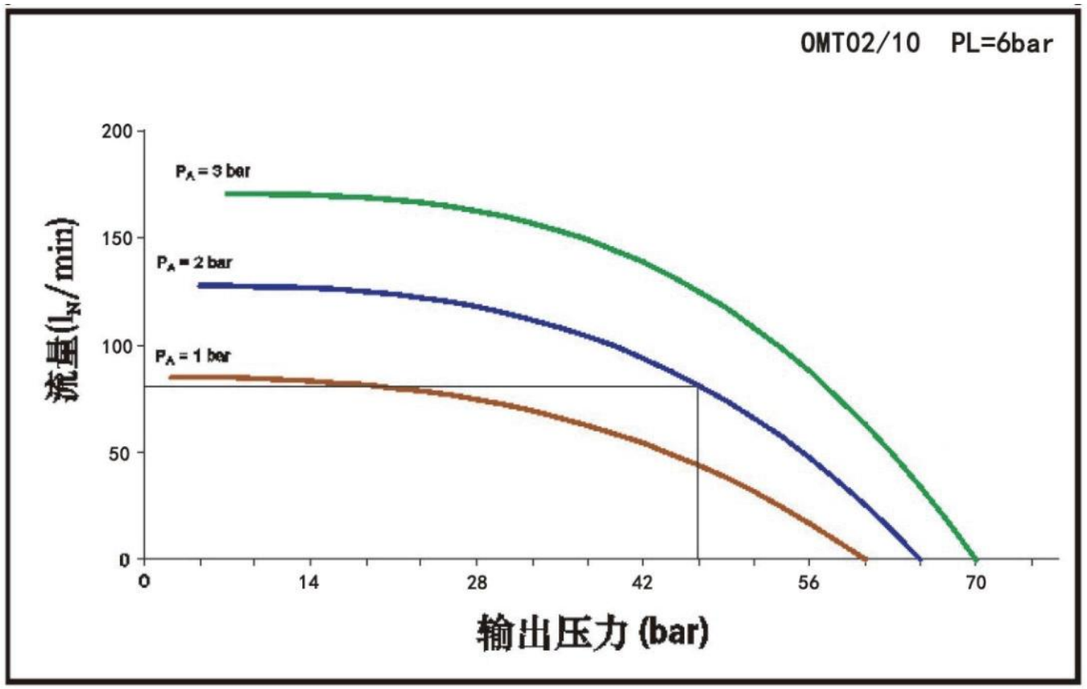
| Technical Parameters | OMT01/10 |
|---|---|
| pressure ratio | 1:1/10:1 |
| max. compression ratio | 100：1 |
| Stage | 10:1 |
| Min. gas inlet pressure PA bar | Slightly negative pressure |
| Max.gas inlet pressurePA bar | 1 |
| gas oulet pressure bar | 10PL+PA |
| max.gas outlet pressure PB bar | 80 |
| single stroke capacity ml | 2000/196 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/4" |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 10PL+PA |
| max. working temperature ℃ | 60 |
| net weight kg | 28 |
| standard seals | PTFE，FKM，NBR |
| length mm | 301 |
| wide mm | 284 |
| height mm | 663 |
| insert gas service (standard) | OMT01/10NL |
| oxygen service | OMT01/10OL |
| CO2 service | OMT01/10CL |

# Gas booster pump model：OMT02/10

## Product Introduction

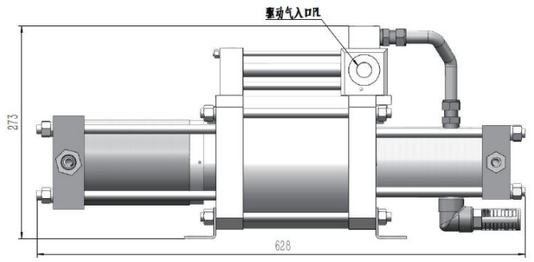
For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ≤8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

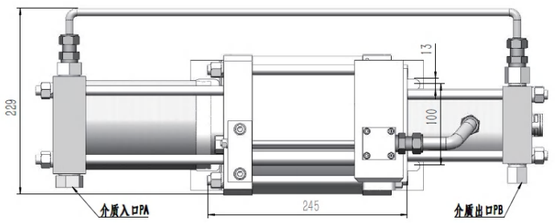
## Performance curves：




When the inlet pressure is 2 bar (29 psi), the outlet pressure is 46 bar (667psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 80 LN/min





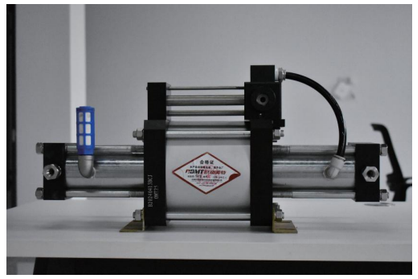

## Product parameters

| Technical Parameters | OMT02/10 |
|---|---|
| pressure ratio | 2.5:1/10:1 |
| max. compression ratio | 40：1 |
| Stage | 4:1 |
| Min. gas inlet pressure PA bar | Slightly negative pressure |
| Max.gas inlet pressurePA bar | 0.4*PL |
| gas oulet pressure bar | 10PL+4PA |
| max.gas outlet pressure PB bar | 100 |
| single stroke capacity ml | 785/196 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/4" |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 10PL+4PA |
| max. working temperature ℃ | 60 |
| net weight kg | 29 |
| standard seals | PTFE，FKM，NBR |
| length mm | 628 |
| wide mm | 229 |
| height mm | 273 |
| insert gas service (standard) | OMT02/10NL |
| oxygen service | OMT02/10OL |
| CO2 service | OMT02/10CL |

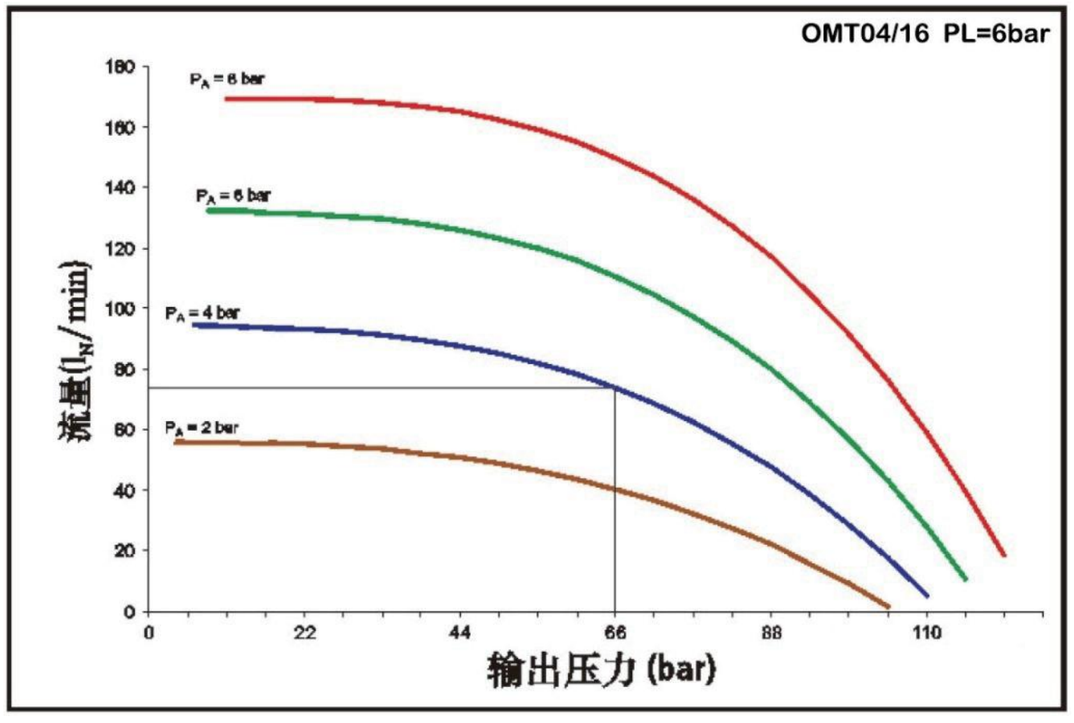
# Gas booster pump model：OMT04/16

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ⩽8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

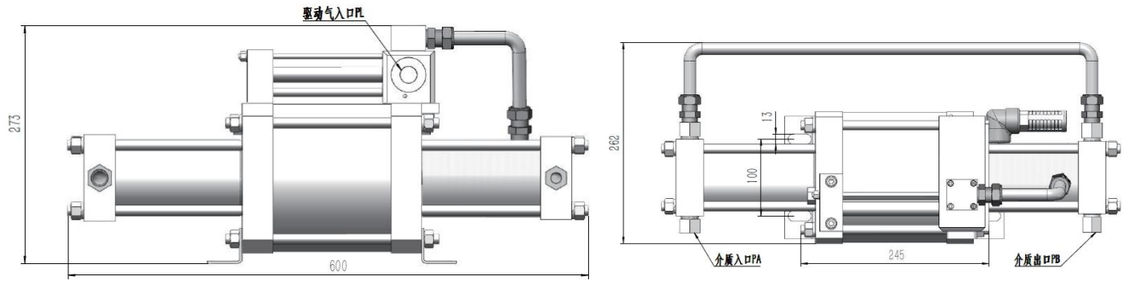


## Performance curves：




When the inlet pressure is 4 bar (58 psi), the outlet pressure is 66 bar (957psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 74 LN/min





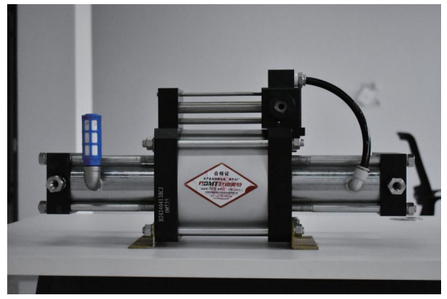

## Product parameters

| Technical Parameters | OMT04/16 |
|---|---|
| pressure ratio | 4:1/16:1 |
| max. compression ratio | 40：1 |
| Stage | 4:1 |
| Min. gas inlet pressure PA bar | 2 |
| Max.gas inlet pressurePA bar | 3*PL |
| gas oulet pressure bar | 16PL+4PA |
| max.gas outlet pressure PB bar | 128 |
| single stroke capacity ml | 502/125 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/4" |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 16PL+4PA |
| max. working temperature ℃ | 60 |
| net weight kg | 23 |
| standard seals | PTFE，FKM，NBR |
| length mm | 600 |
| wide mm | 262 |
| height mm | 273 |
| insert gas service (standard) | OMT04/16NL |
| oxygen service | OMT04/16OL |
| CO2 service | OMT04/16CL |

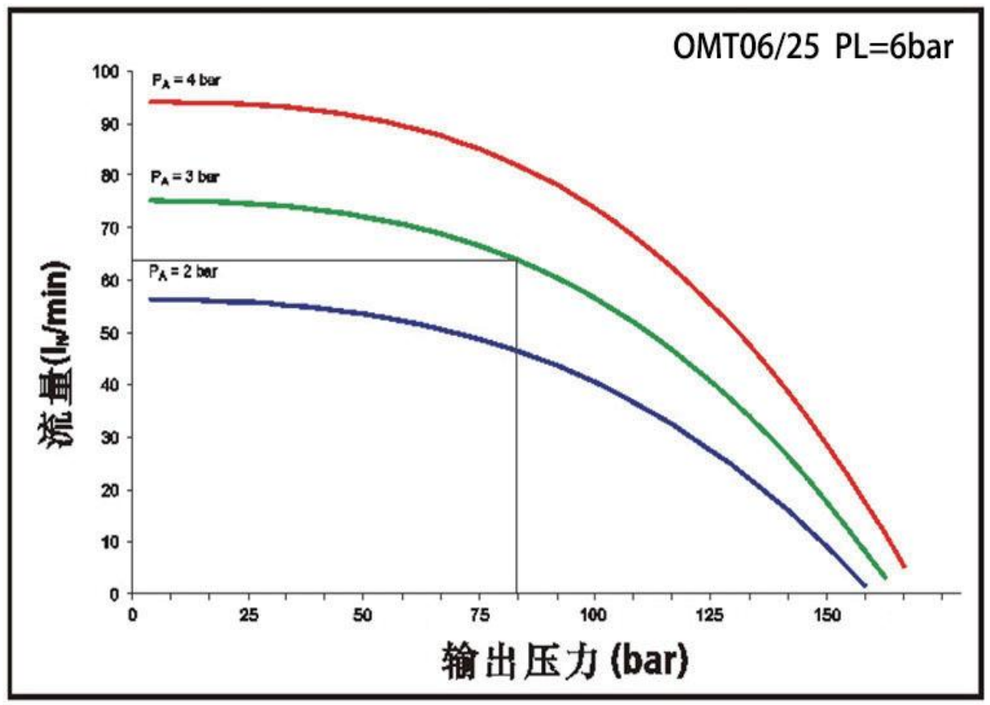
# Gas booster pump model：OMT06/25

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ⩽8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

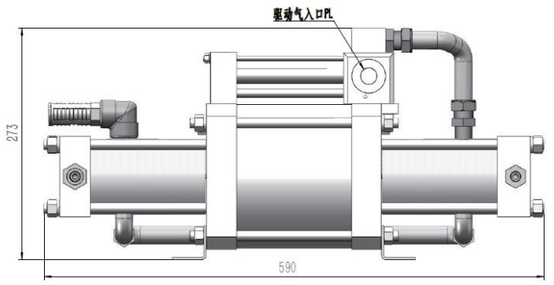


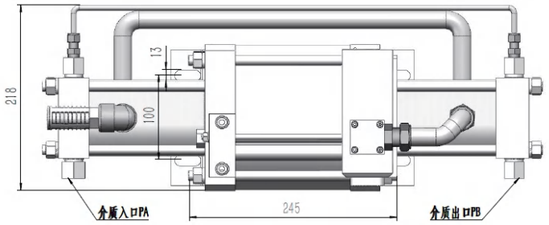
## Performance curves：




When the inlet pressure is 3 bar (43.5 psi), the outlet pressure is 82 bar (1189psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 64 LN/min





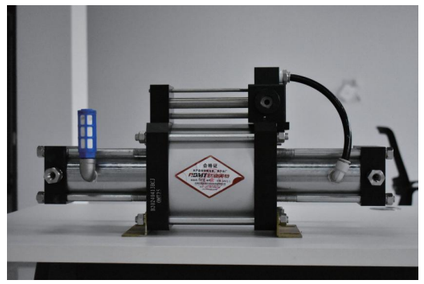

## Product parameters

| Technical Parameters | OMT06/25 |
|---|---|
| pressure ratio | 6:1/25:1 |
| max. compression ratio | 60：1 |
| Stage | 4:1 |
| Min. gas inlet pressure PA bar | 2 |
| Max.gas inlet pressurePA bar | 2PL |
| gas oulet pressure bar | 25PL+4PA |
| max.gas outlet pressure PB bar | 200 |
| single stroke capacity ml | 311/80 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/4" |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 25PL+4PA |
| max. working temperature ℃ | 60 |
| net weight kg | 24 |
| standard seals | PTFE，FKM，NBR |
| length mm | 590 |
| wide mm | 218 |
| height mm | 273 |
| insert gas service (standard) | OMT06/15NL |
| oxygen service | OMT06/15OL |
| CO2 service | OMT06/15CL |

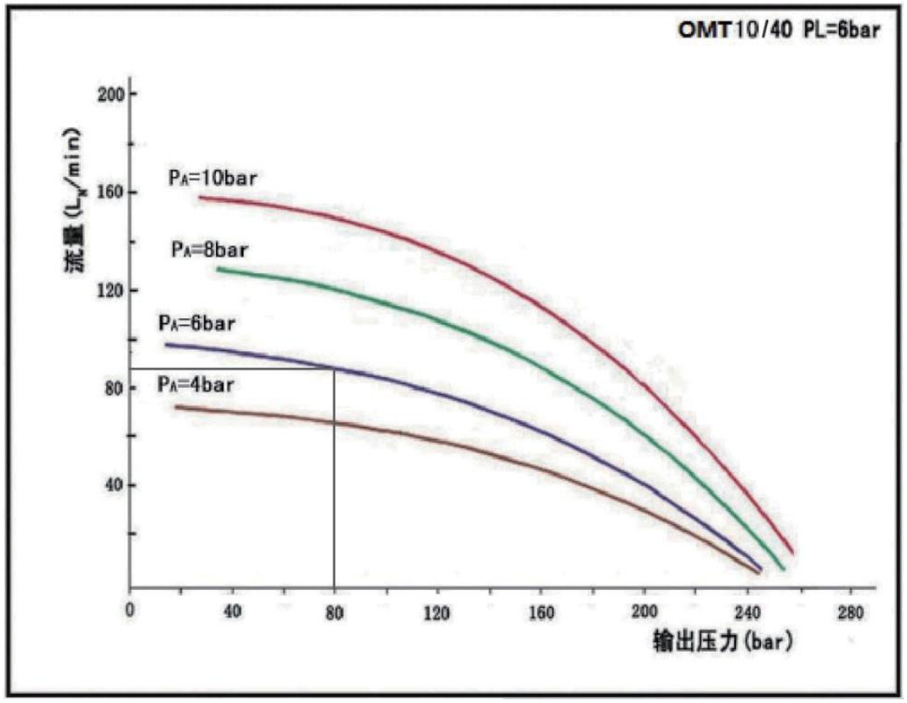
# Gas booster pump model：OMT10/40

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ⩽8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

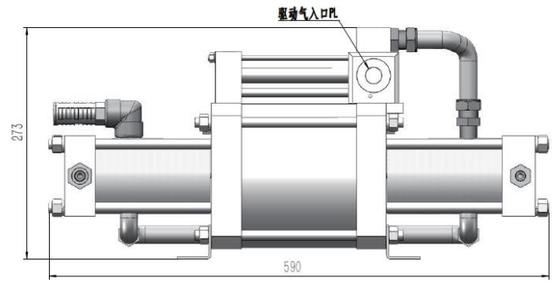


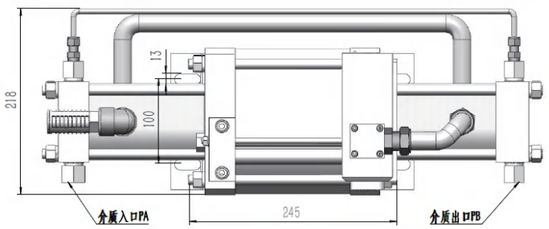
## Performance curves：




When the inlet pressure is 2 bar (29 psi), the outlet pressure is 46 bar (667psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 80 LN/min





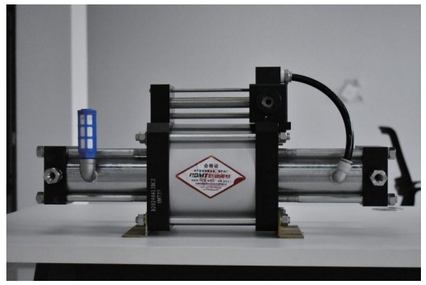

## Product parameters

| Technical Parameters | OMT10/40 |
|---|---|
| pressure ratio | 10:1/40:1 |
| max. compression ratio | 60：1 |
| Stage | 4:1 |
| Min. gas inlet pressure PA bar | 3 |
| Max.gas inlet pressurePA bar | 2*PL |
| gas oulet pressure bar | 40PL+4PA |
| max.gas outlet pressure PB bar | 320 |
| single stroke capacity ml | 196/49 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/4" |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 40PL+4PA |
| max. working temperature ℃ | 60 |
| net weight kg | 24 |
| standard seals | PTFE，FKM，NBR |
| length mm | 590 |
| wide mm | 218 |
| height mm | 273 |
| insert gas service（standard） | OMT10/40NL |
| oxygen service | OMT10/40OL |
| CO2 service | OMT10/40CL |

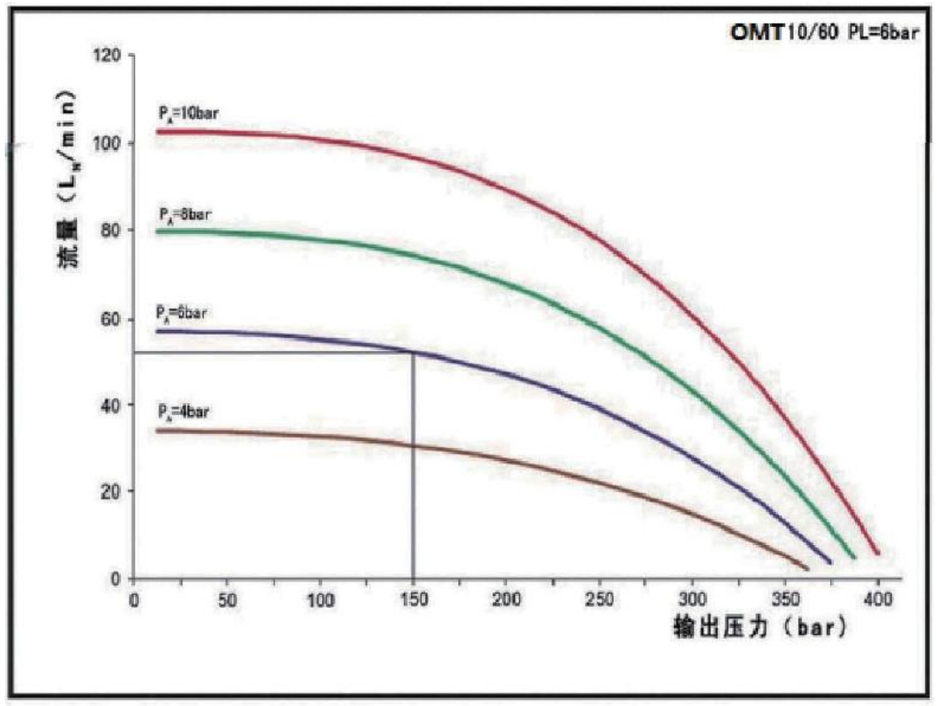
# Gas booster pump model：OMT10/60

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ⩽8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

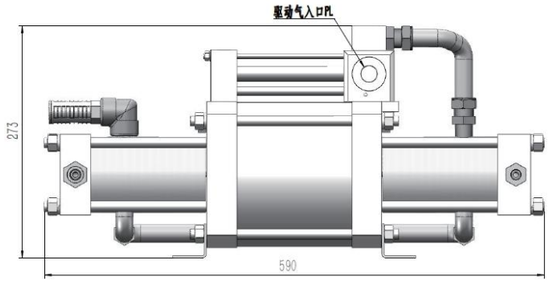


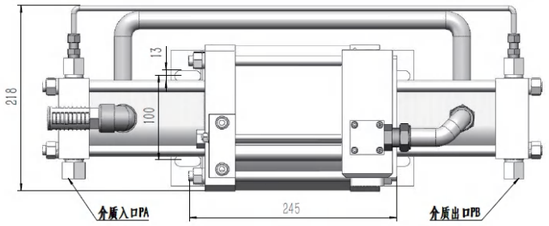
## Performance curves：




When the inlet pressure is 6 bar (87 psi), the outlet pressure is 150 bar (2175psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 52 LN/min





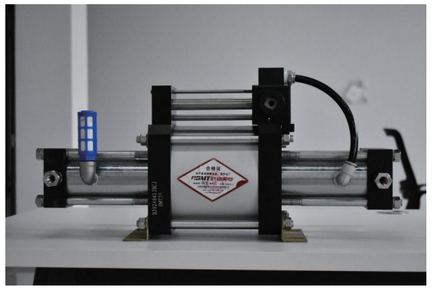

## Product parameters

| Technical Parameters | OMT10/60 |
|---|---|
| pressure ratio | 10:1/60:1 |
| max. compression ratio | 90：1 |
| Stage | 6:1 |
| Min. gas inlet pressure PA bar | 3 |
| Max.gas inlet pressurePA bar | 1.5PL |
| gas oulet pressure bar | 60PL+6PA |
| max.gas outlet pressure PB bar | 480 |
| single stroke capacity ml | 196/31 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/2" |
| medium outlet port size | ZG1/4" |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 60PL+6PA |
| max. working temperature ℃ | 60 |
| net weight kg | 24 |
| standard seals | PTFE，FKM，NBR |
| length mm | 590 |
| wide mm | 218 |
| height mm | 273 |
| insert gas service (standard) | OMT10/60NL |
| oxygen service | OMT10/60OL |
| CO2 service | OMT10/60CL |

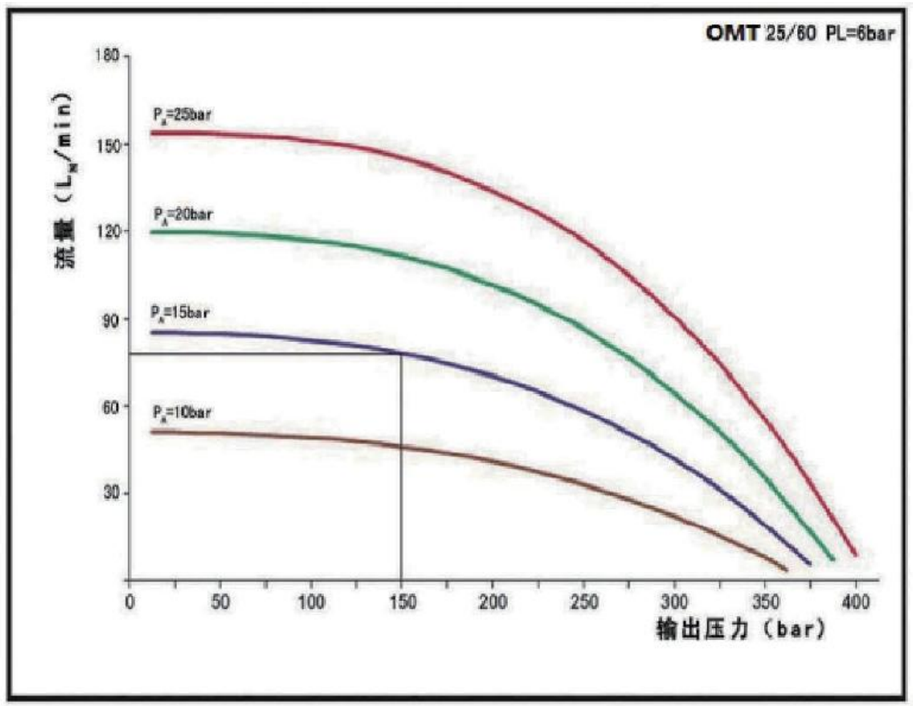
# Gas booster pump model：OMT25/60

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ≤8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

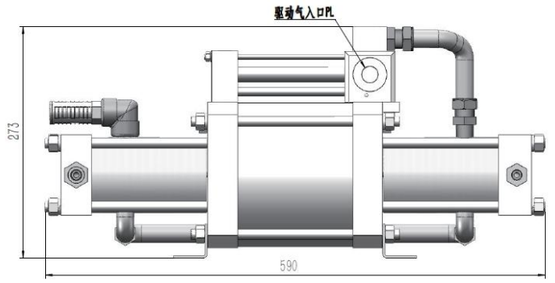


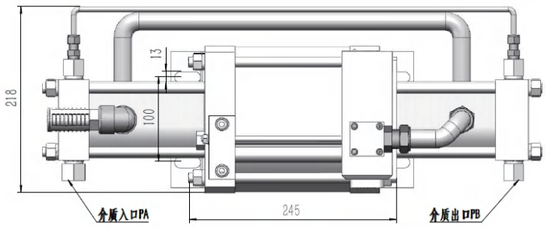
## Performance curves：




When the inlet pressure is 15 bar (217.5psi), the outlet pressure is 150 bar (2175psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 80 LN/min





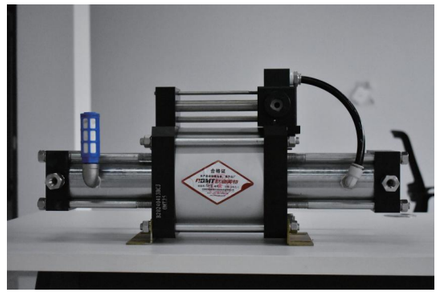

## Product parameters

| Technical Parameters | OMT25/60 |
|---|---|
| pressure ratio | 25:1/60:1 |
| max. compression ratio | 40：1 |
| Stage | 2.4:1 |
| Min. gas inlet pressure PA bar | 12 |
| Max.gas inlet pressurePA bar | 20*PL |
| gas oulet pressure bar | 60PL+2.4PA |
| max.gas outlet pressure PB bar | 480 |
| single stroke capacity ml | 80/31 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | ZG1/4" |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 60PL+2.4PA |
| max. working temperature ℃ | 60 |
| net weight kg | 24 |
| standard seals | PTFE，FKM，NBR |
| length mm | 590 |
| wide mm | 218 |
| height mm | 273 |
| insert gas service (standard) | OMT25/60NL |
| oxygen service | OMT25/60OL |
| CO2 service | OMT25/60CL |

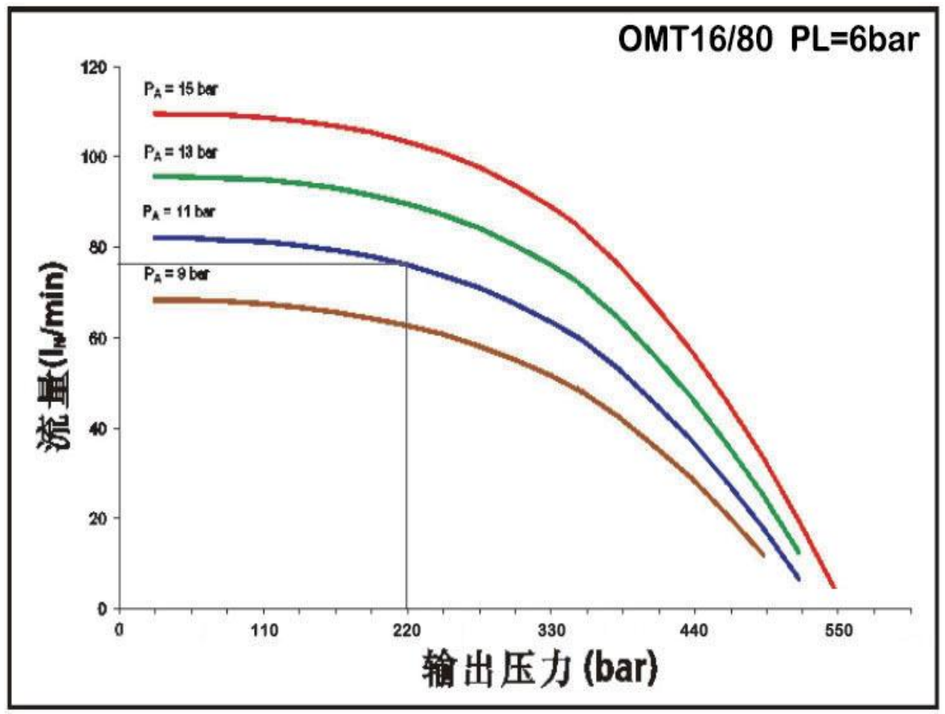
# Gas booster pump model：OMT16/80

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ⩽8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

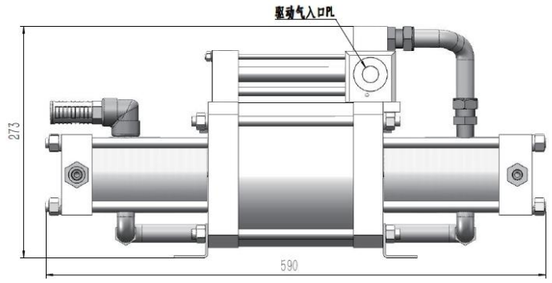


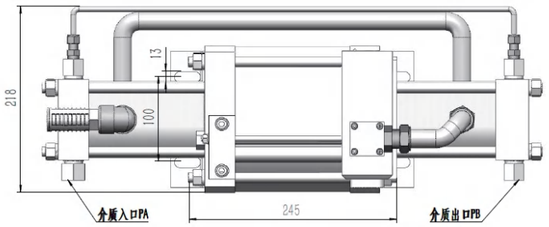
## Performance curves：




When the inlet pressure is 11 bar (159.5psi), the outlet pressure is 220 bar (3190psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 76LN/min





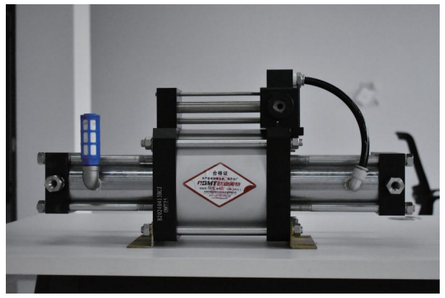

## Product parameters

| Technical Parameters | OMT16/80 |
|---|---|
| pressure ratio | 16:1/80:1 |
| max. compression ratio | 100：1 |
| Stage | 5:1 |
| Min. gas inlet pressure PA bar | 7 |
| Max.gas inlet pressurePA bar | 3.5*PL |
| gas oulet pressure bar | 80PL+5PA |
| max.gas outlet pressure PB bar | 640 |
| single stroke capacity ml | 125/25 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | ZG1/4"/M14*1.5 |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 80PL+5PA |
| max. working temperature ℃ | 60 |
| net weight kg | 25 |
| standard seals | PTFE，FKM，NBR |
| length mm | 590 |
| wide mm | 255 |
| height mm | 273 |
| insert gas service (standard) | OMT16/80NL |

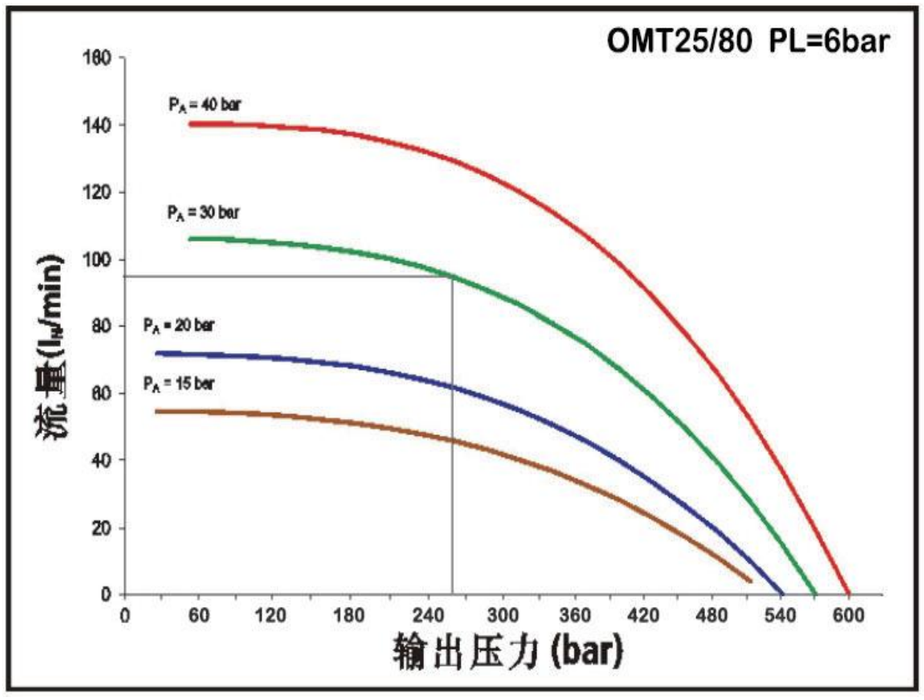
# Gas booster pump model：OMT25/80

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ⩽8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

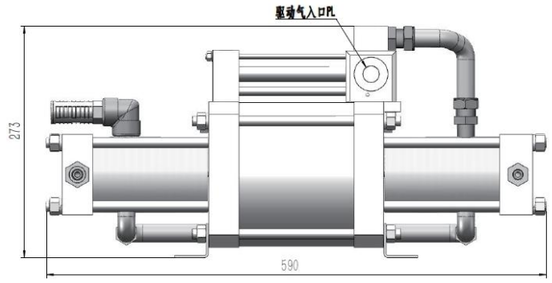


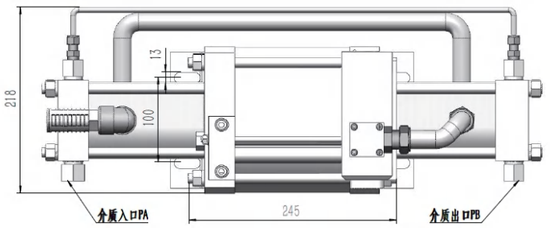
## Performance curves：




When the inlet pressure is 30 bar (435 psi), the outlet pressure is 260 bar (3770psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 95 LN/min





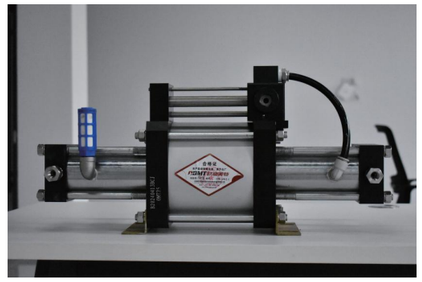

## Product parameters

| Technical Parameters | OMT25/80 |
|---|---|
| pressure ratio | 6:1/80:1 |
| max. compression ratio | 50：1 |
| Stage | 3:1 |
| Min. gas inlet pressure PA bar | 12 |
| Max.gas inlet pressurePA bar | 12*PL |
| gas oulet pressure bar | 80PL+3PA |
| max.gas outlet pressure PB bar | 640 |
| single stroke capacity ml | 80/25 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | ZG1/4"/M14*1.5 |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 80PL+3PA |
| max. working temperature ℃ | 60 |
| net weight kg | 25 |
| standard seals | PTFE，FKM，NBR |
| length mm | 590 |
| wide mm | 218 |
| height mm | 273 |
| insert gas service (standard) | OMT25/80NL |

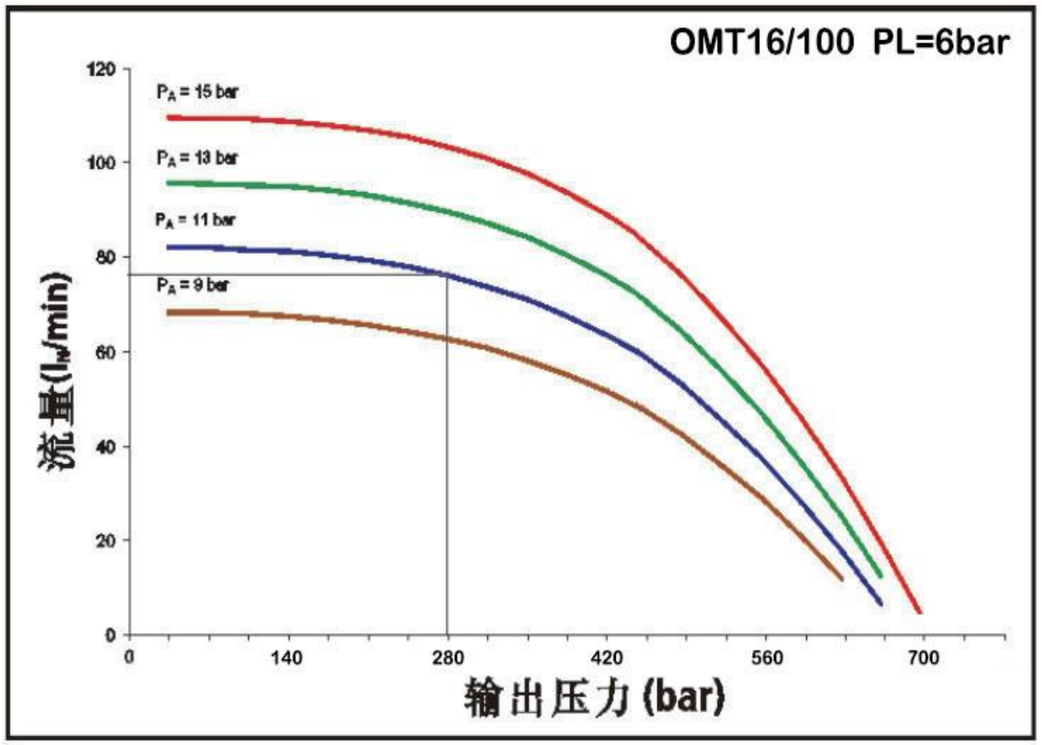
# Gas booster pump model：OMT16/100

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ⩽8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

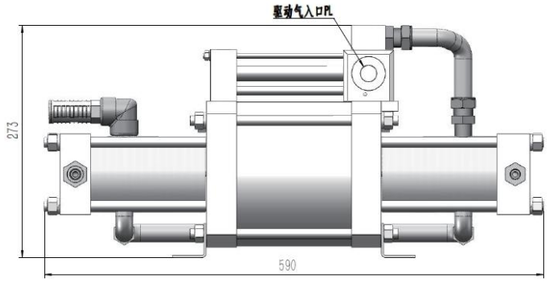


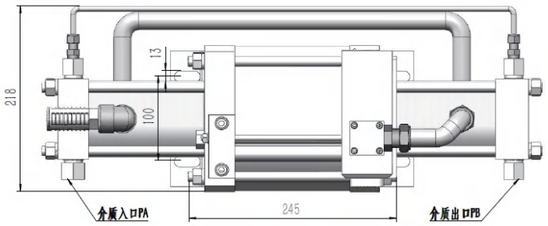
## Performance curves：




When the inlet pressure is 11 bar (159.5 psi), the outlet pressure is 280 bar (4060psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 76 LN/min





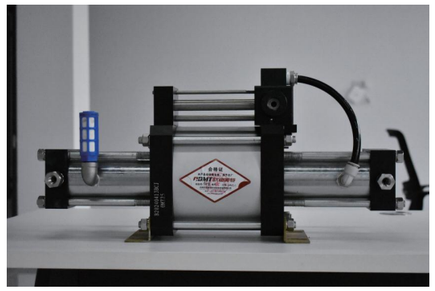

## Product parameters

| Technical Parameters | OMT16/100 |
|---|---|
| pressure ratio | 16:1/100:1 |
| max. compression ratio | 100：1 |
| Stage | 6:1 |
| Min. gas inlet pressure PA bar | 7 |
| Max.gas inlet pressurePA bar | 2*PL |
| gas oulet pressure bar | 100PL+6PA |
| max.gas outlet pressure PB bar | 800 |
| single stroke capacity ml | 125/20 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | M14*1.5 |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 100PL+6PA |
| max. working temperature ℃ | 60 |
| net weight kg | 25 |
| standard seals | PTFE，FKM，NBR |
| length mm | 590 |
| wide mm | 255 |
| height mm | 273 |
| insert gas service（standard） | OMT16/100NL |

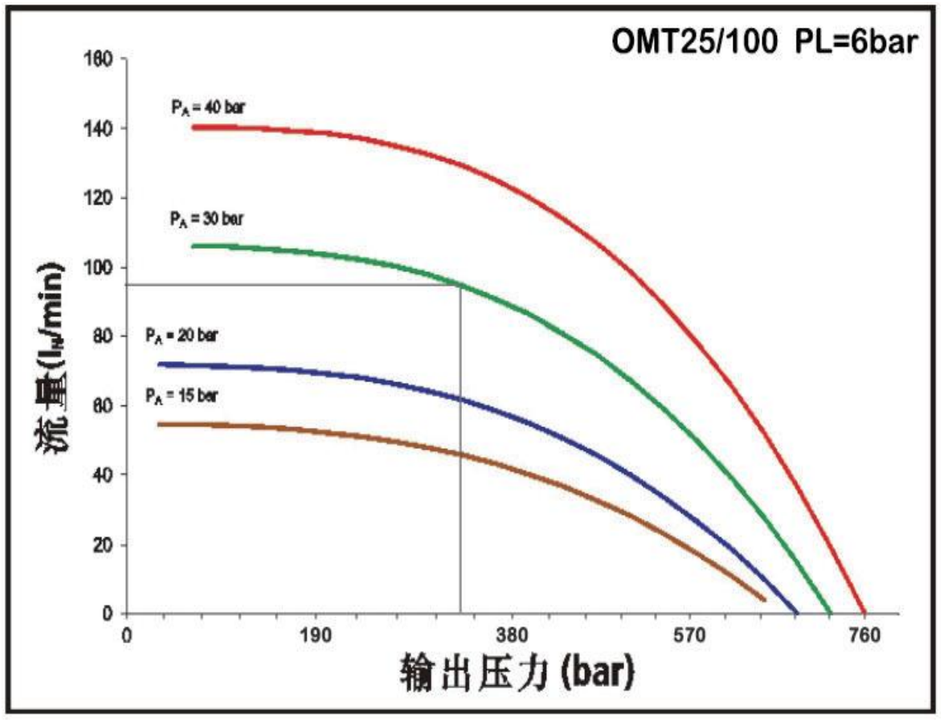
# Gas booster pump model：OMT25/100

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ≤8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

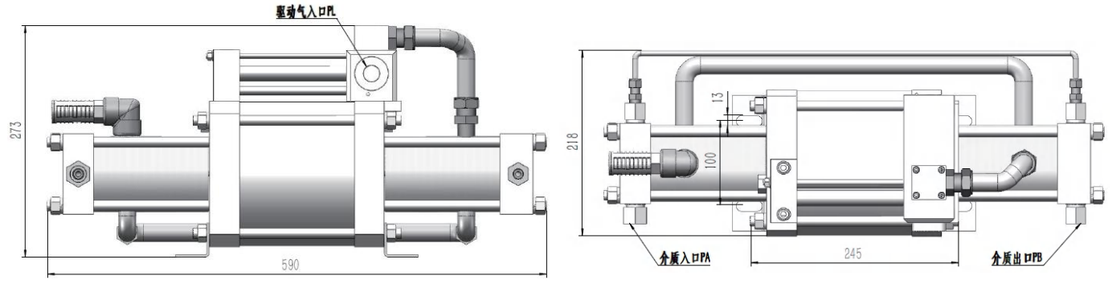


## Performance curves：




When the inlet pressure is 30 bar (435 psi), the outlet pressure is 330 bar (4785psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 95 LN/min





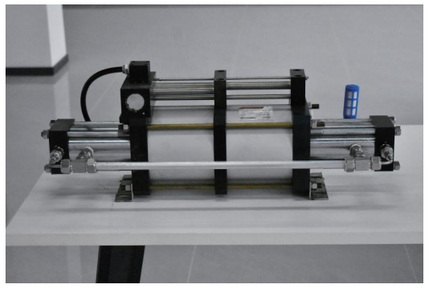

## Product parameters

| Technical Parameters | OMT25/100 |
|---|---|
| pressure ratio | 25:1/100:1 |
| max. compression ratio | 60：1 |
| Stage | 4:1 |
| Min. gas inlet pressure PA bar | 12 |
| Max.gas inlet pressurePA bar | 6*PL |
| gas oulet pressure bar | 100PL+4PA |
| max.gas outlet pressure PB bar | 800 |
| single stroke capacity ml | 80/20 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | M14*1.5 |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 100PL+4PA |
| max. working temperature ℃ | 60 |
| net weight kg | 25 |
| standard seals | PTFE，FKM，NBR |
| length mm | 590 |
| wide mm | 218 |
| height mm | 273 |
| insert gas service (standard) | OMT25/100NL |

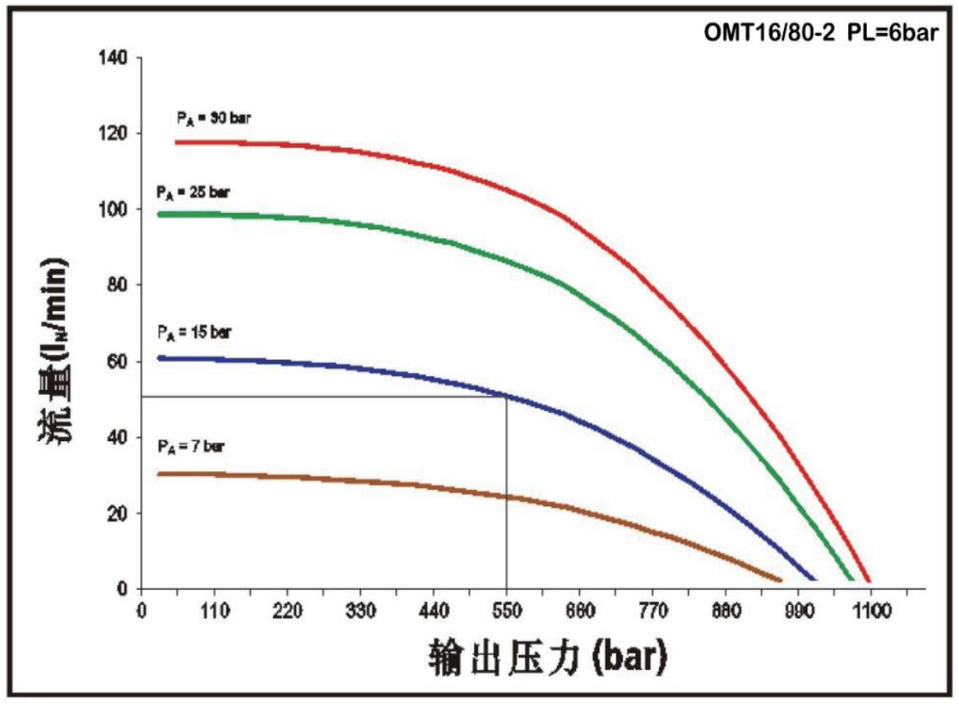
# Gas booster pump model：OMT16/80-2

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ≤8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

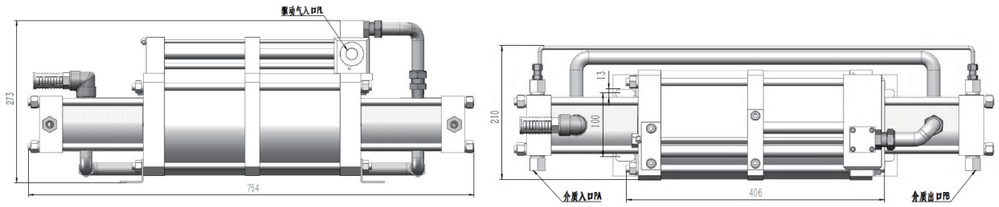


## Performance curves：




When the inlet pressure is 15 bar (217.5 psi), the outlet pressure is 550 bar (7975psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 50 LN/min





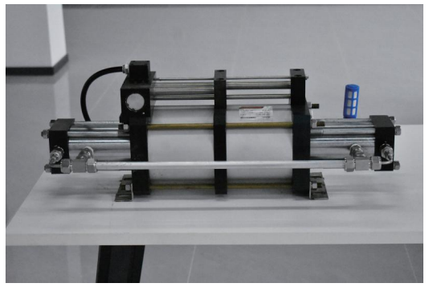

## Product parameters

| Technical Parameters | OMT16/80-2 |
|---|---|
| pressure ratio | 32:1/160:1 |
| max. compression ratio | 100：1 |
| Stage | 5:1 |
| Min. gas inlet pressure PA bar | 7 |
| Max.gas inlet pressurePA bar | 7*PL |
| gas oulet pressure bar | 160PL+5PA |
| max.gas outlet pressure PB bar | 1280 |
| single stroke capacity ml | 125/25 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | M14*1.5 |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 160PL+5PA |
| max. working temperature ℃ | 60 |
| net weight kg | 29 |
| standard seals | PTFE，FKM，NBR |
| length mm | 754 |
| wide mm | 210 |
| height mm | 273 |
| insert gas service (standard) | OMT16/80-2NL |

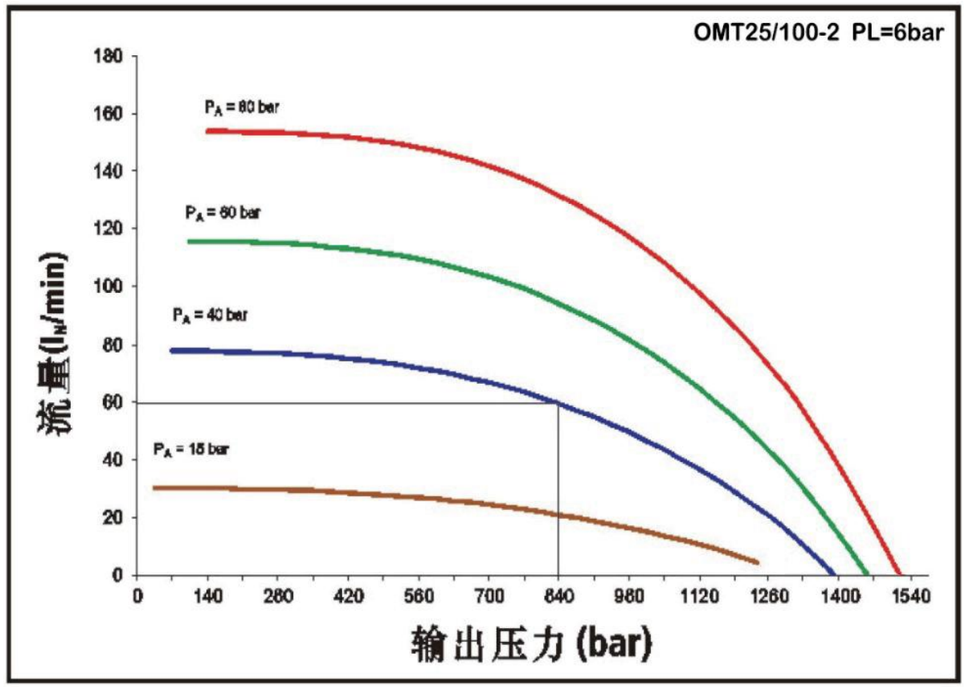
# Gas booster pump model：OMT25/100-2

## Product Introduction

For gas booster pumps in pneumatic booster pumps, the boosting medium is air, nitrogen, oxygen, helium, hydrogen and other gases.
OMT series booster pump is a two-stage booster pump, which can increase the very low pressure gas to a very high pressure. When the driving gas ⩽8bar, the pressure range of gas inlet is 0.5-10bar, and the maximum pressure can be increased to 80bar. The whole pump is made of aluminum alloy and stainless steel.
The diameter of the driving piston of this series of pumps is 160mm, and the pump heads at both ends are equipped with exhaust cooling.

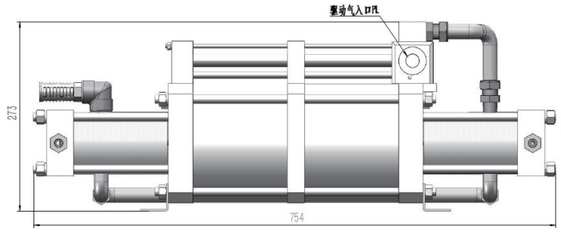


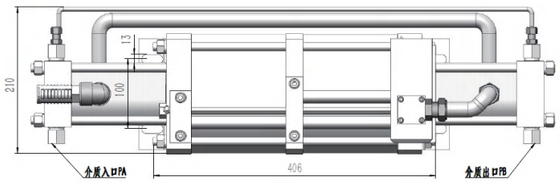
## Performance curves：




When the inlet pressure is 40 bar (1580 psi), the outlet pressure is 840 bar (12180psi), and the driven air pressure is 6 bar (87 psi), the flow rate is 60 LN/min






## Product parameters

| Technical Parameters | OMT25/100-2 |
|---|---|
| pressure ratio | 50:1/200:1 |
| max. compression ratio | 60：1 |
| Stage | 4:1 |
| Min. gas inlet pressure PA bar | 12 |
| Max.gas inlet pressurePA bar | 12.5*PL |
| gas oulet pressure bar | 200PL+4PA |
| max.gas outlet pressure PB bar | 1600 |
| single stroke capacity ml | 80/20 |
| driven air pressure PL bar | 1-8 |
| driven air port size | ZG1/2" |
| medium inlet port size | ZG1/4" |
| medium outlet port size | M14*1.5 |
| pump material | Alum/stainless steel |
| max. working frequency：times/min | 60 |
| pump stop pressure PB | 200PL+4PA |
| max. working temperature ℃ | 60 |
| net weight kg | 29 |
| standard seals | PTFE，FKM，NBR |
| length mm | 754 |
| wide mm | 210 |
| height mm | 273 |
| insert gas service (standard) | OMT25/100-2NL |