

MAXITROL®

Maximun Control

High Pressure Technology - Testing Equipment
Hydraulics - Pneumatics - Gases

DGMA02 series Pneumatic Air booster pump with single air control non-equilibrium air distributing valve to realize the reciprocating motion of the pump, are made of aluminum alloy and stainless steel manufacturing, all the seals are imported high quality products and equipment for the pneumatic drive are 10bar, in order to ensure the pump's life, it is recommended driving pressure is less than or equal to 8 bar. This series pump's drive piston diameter of 100mm, as a single action pump, all single acting pump head with exhaust cooling.



Technical parameters

Driven source: clean compressed air

Air pressure control system

Drive compressed air pressure: 1-8bar (recommended drive pressure <8bar)

Boost Ratio:2:1

Maximum flow rate : 580L/min

Maximum air output pressure: 16bar.

Applicable medium: clean air

Air inlet minimum pressure: 1bar

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DGVA02 Pneumatic Air booster pump with single air control non-equilibrium air distributing valve to realize the reciprocating motion of the pump, are made of aluminum alloy and stainless steel manufacturing, all the seals are imported high quality products and equipment for the pneumatic drive are 10bar, in order to ensure the pump's life, it is recommended driving pressure is less than or equal to 8 bar. This series pump's drive piston diameter of 160mm, as a single action pump, all single acting pump head with exhaust cooling.

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Technical parameters

Driven source: clean compressed air

Drive compressed air pressure: 1-8bar (recommended drive pressure <8bar)

Boost Ratio:2:1

Maximum flow rate : 1600L/min

Maximum air output pressure: 16bar.

Applicable medium: clean air

Air inlet minimum pressure: 1bar

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DGMA03 series Pneumatic Air booster pump with single air control non-equilibrium air distributing valve to realize the reciprocating motion of the pump, are made of aluminum alloy and stainless steel manufacturing, all the seals are imported high quality products and equipment for the pneumatic drive are 10bar, in order to ensure the pump's life, it is recommended driving pressure is less than or equal to 8 bar.



Technical parameters

Driven source: clean compressed air

Air pressure control system

Drive compressed air pressure: 1-8bar (recommended drive pressure <8bar)

Boost Ratio:3:1

Maximum flow rate : 420L/min

Maximum air output pressure: 24bar.

Applicable medium: clean air

Air inlet minimum pressure: 1bar

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DGVA05 series Pneumatic Air booster pump with single air control non-equilibrium air distributing valve to realize the reciprocating motion of the pump, are made of aluminum alloy and stainless steel manufacturing, all the seals are imported high quality products and equipment for the pneumatic drive are 10bar, in order to ensure the pump's life, it is recommended driving pressure is less than or equal to 8 bar. This series pump's drive piston diameter of 160mm, as a single action pump, all single acting pump head with exhaust cooling.



Technical parameters

Driven source: clean compressed air

Air pressure control system

Drive compressed air pressure: 2-8bar (recommended drive pressure <8bar)

Boost Ratio:5:1

Maximum flow rate : 820L/min

Maximum air output pressure: 40bar.

Applicable medium: clean air

Air inlet minimum pressure: 2bar

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Characteristics :

It is using pure compressed air as the driving source, pneumatic booster pump for the pressure source, the use of pure air as the pressurized medium, the output air pressure and the pressure of the driving air source pressure. By adjusting the pressure of the driven air source, the corresponding pressure of the air pressure can be obtained. When the air pressure of the air pressure and the pressure of the booster is balanced, the pneumatic booster pump stops the pressurization, and the output air pressure is stable. Therefore it has the characteristics of explosion proof, energy saving, environmental protection, adjustable output pressure, small volume, light weight, simple operation, reliable performance and wide application range.

Technical spcification

Model	Pressure boost ratio	Max. air outlet pressure	Formula to calculate air outlet pressure P_B	Connection: (NPT thread)	Max. flow rate (L/min)
DGMA02	2: 1	16 bar	$2XP_L$	3/8 / 3/8	580
DGVA02	2: 1	16 bar	$2XP_L$	3/8 / 3/8	1600
DGMA03	3: 1	24 bar	$3XP_L$	1/2 / 1/2	420
DGVA05	5: 1	40 bar	$5XP_L$	1/2 / 1/2	820



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DGS-DGMA02 air pressure booster system

The system including: DGMA02 air booster pump,

F.R.L combination (adjust driven air pressure+ filter+ lubricant)

Air tank (20L/40L), Driven air switch, high pressure needle valve,

high pressure gauge, reducing valve



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DGS-DGVA02 air pressure booster system

The system including: DGVA02 air booster pump,

F.R.L combination (adjust driven air pressure+ filter+ lubricant)

Air tank (20L/40L), Driven air switch, high pressure needle valve,

high pressure gauge, reducing valve



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DGS-DGVA05 air pressure booster system

The system including: DGVA05 air booster pump,

F.R.L combination (adjust driven air pressure+ filter+ lubricant)

Air tank (20L/40L), Driven air switch, high pressure needle valve,

high pressure gauge, reducing valve

