Product Catalog

Micro Diaphragm Pump (Air/Vacuum)

- JSG-01 Series Max Flow 1 L/min
- JSG-02 Series Max Flow 3.5 L/min
- JSG-03 Series Max Flow 7 L/min
- JSG-04 Series Max Flow 22 L/min

Micro Diaphragm Pump (Water/liquid)

- JSG-01 Series Max Flow 200 mL/min
- JSG-02 Series Max Flow 500 mL/min
- JSG-03 Series Max Flow 700 mL/min
- JSG-04 Series Max Flow 1.5 L/min
- JSG-07 Series Max Flow 1 L/min

Small Piston Pump (Air/Vacuum)

- JSG-07 Series Max Flow 40 L/min
- JSG-079 Series Max Flow 50 L/min

Mini Compressor(Air/Vacuum)

- JSG-08 Series Max Flow 45 L/min
- JSG-08 Series Max Flow 80 L/min

Pump Accessories

- Valve, Tube, Muffler, Filter, Shock absorber, Sound damping cotton, PWM Controller, Flow Meter.....

JSG DC PUMP



Contanct Us

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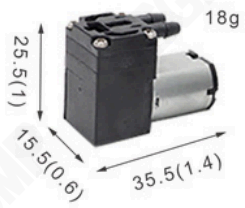
Precision micro pump from JSG

JSG-01 Series Customization— Flow: 0.3-1L/min, Pressure:0.5-1bar, Vacuum: -30~60kpa, Power:1-2W

JSG-01A-S | JSG-01A-L	JSG-01V-S | JSG-01V-L
① Flow(@0bar): 0.3L/min Max pressure: 0.5bar	① Flow(@0kpa): 0.3L/min Max vacuum: -30kpa
② Flow(@0bar): 0.5L/min Max pressure: 0.9bar	② Flow(@0kpa): 0.5L/min Max vacuum: -50kpa
③ Flow(@0bar): 1L/min Max pressure: 1bar	③ Flow(@0kpa): 0.8L/min Max vacuum: -60kpa



Brush motor
3V, 6V, 12V
300-500hours
Noise 45-60dB
Dimensions in mm (inch)



JSG-02 Series Customization— Flow: 1-4L/min, Pressure:0.5-1.5bar, Vacuum: -30~65kpa, Power:2-3W

JSG-02A | JSG-02AB	JSG-02V | JSG-02VB
① Flow(@0bar): 1L/min Max pressure: 0.5bar	① Flow(@0kpa): 1L/min Max vacuum: -30kpa
② Flow(@0bar): 1.5L/min Max pressure: 1bar	② Flow(@0kpa): 1.5L/min Max vacuum: -50kpa
③ Flow(@0bar): 3L/min Max pressure: 1.5bar	③ Flow(@0kpa): 3L/min Max vacuum: -65kpa

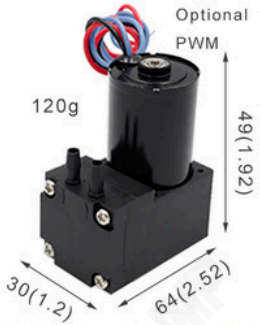


Brushless motor	Brush motor
6V, 12V, 24V	
3000hours	500hours
Noise 48-60dB	
Dimensions in mm (inch)	

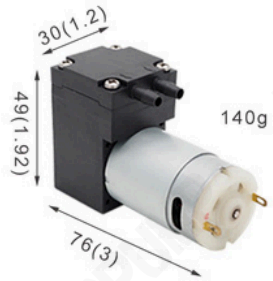


JSG-03 Series Customization— Flow: 3-7L/min, Pressure:2-3bar, Vacuum: -45~70kpa, Power:7-12W

JSG-03A | JSG-03AB	JSG-03V | JSG-03VB
① Flow(@0bar): 3L/min Max pressure: 2bar	① Flow(@0kpa): 3L/min Max vacuum: -60kpa
② Flow(@0bar): 5L/min Max pressure: 2.5bar	② Flow(@0kpa): 5L/min Max vacuum: -70kpa
③ Flow(@0bar): 6L/min Max pressure: 3bar	③ Flow(@0kpa): 6L/min Max vacuum: -70kpa



Brushless motor	Brush motor
6V, 12V, 24V	
5000hours	1000hours
Noise 50-65dB	
Dimensions in mm (inch)	

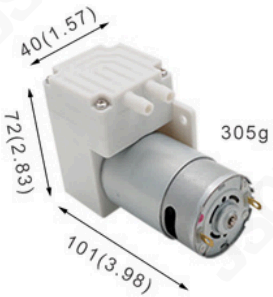


JSG-04 Series Customization— Flow: 7-22L/min, Pressure:2.5-3.5bar, Vacuum: -75~85kpa, Power:7-16W

JSG-04A | JSG-04AB	JSG-04V | JSG-04VB
① Flow(@0bar): 11L/min Max pressure: 2.5bar	① Flow(@0kpa): 11L/min Max vacuum: -75kpa
② Flow(@0bar): 15L/min Max pressure: 3bar	② Flow(@0kpa): 15L/min Max vacuum: -80kpa
③ Flow(@0bar): 20L/min Max pressure: 3.5bar	③ Flow(@0kpa): 20L/min Max vacuum: -80kpa



Brushless motor	Brush motor
6V, 12V, 24V	
5000hours	1000hours
Noise 50-65dB	
Dimensions in mm (inch)	



JSG DC PUMP

Diaphragm Air Pump

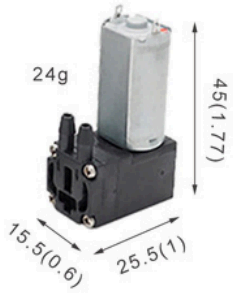
Features:

- Oil-free
- Durability
- Low noise
- High Efficiency
- Compact design
- Maintenance-free

Typical Applications:

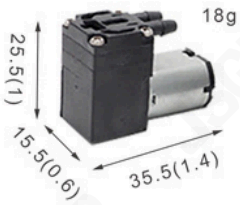
- Medical equipment
- Cosmetic Instruments
- Vacuum sampling
- Food and Beverage
- Household appliances
- Power tools
- Automation
- Robotics
- Pressure and Vacuum Applications

JSG-01 Series 3V, 6V, 12V; Diaphragm: EPDM, FKM



JSG-01W-S/JSG-01W-L

Flow(water): 100-200 mL/min
Max vacuum: -30kpa
Motor: Brush motor
Lifetime: 300-500hours
Noise: 50dB
Dimensions in mm(inch)



JSG-02 Series 6V, 12V, 24V; Diaphragm: EPDM, FKM

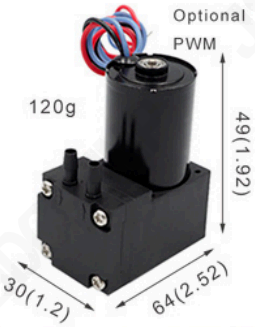


JSG-02W | JSG-02WB

Flow(water): 200-500 mL/min	
Max vacuum: -30kpa	
Brushless motor	Brush motor
3000hours	500 hours
Noise: 50dB	
Dimensions in mm(inch)	



JSG-03 Series 6V, 12V, 24V; Diaphragm: EPDM, FKM



JSG-03W | JSG-03WB

Flow(water): 400-700 mL/min	
Max vacuum: -30kpa	
Brushless motor	Brush motor
5000hours	1000 hours
Noise: 50dB	
Dimensions in mm(inch)	

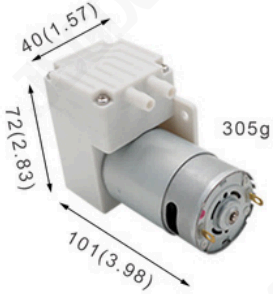


JSG-04 Series 6V, 12V, 24V; Diaphragm: EPDM, FKM



JSG-04W | JSG-04WB

Flow(water): 1.5 L/min	
Max vacuum: -30kpa	
Brushless motor	Brush motor
5000hours	1000 hours
Noise: 50dB	
Dimensions in mm(inch)	



JSG-07 Series 12V, 24V; Diaphragm: EPDM, FKM ; 12W



JSG-07W

Flow(water): 1 L/min
Max pressure: 10 bar
Motor: Brush motor
Lifetime: 1000hours
Noise: 50dB
Dimensions in mm(inch)



JSG-07WB

Flow(water): 1 L/min
Max pressure: 10 bar
Motor: Brushless motor
Lifetime: 3000hours
Noise: 50dB
Dimensions in mm(inch)

JSG DC PUMP

Diaphragm Liquid Pump

Features:

- Long life
- Compact design
- Self-priming
- chemical resistance
- Corrosion resistance
- Smooth flow
- Maintenance-Free

Typical Applications:

- Inkjet pumps
- Water purifier
- Liquid transfer
- Liquid dispensing
- Food filling
- Medical equipment
- Scientific experiments
- Cleaning & Disinfection

JSG-07 Series Customization— Flow: 15-40L/min, Pressure:4.5-6.5bar, Vacuum: -80~85kpa, Power:24-50W

JSG-07A | JSG-07AB	JSG-07V | JSG-07VB
① Flow(@0bar): 15L/min Max pressure: 4.5bar	① Flow(@0kpa): 15L/min Max vacuum: -80kpa
② Flow(@0bar): 20L/min Max pressure: 5bar	② Flow(@0kpa): 20L/min Max vacuum: -85kpa
③ Flow(@0bar): 35L/min Max pressure: 6bar	③ Flow(@0kpa): 35L/min Max vacuum: -85kpa



Brushless motor	Brush motor
12V, 24V	
3000hours	1000hours
Noise 60-70dB	
Dimensions in mm (inch)	

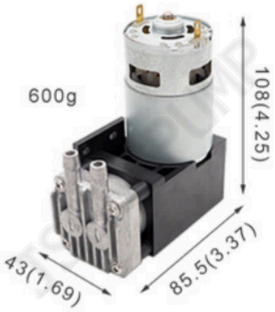


JSG-07 Series Customization— Flow: 15-40L/min, Pressure:4.5-6.5bar, Vacuum: -80~85kpa, Power:24-50W

JSG-07A-M | JSG-07AB-M	JSG-07V-M | JSG-07VB-M
① Flow(@0bar): 17L/min Max pressure: 4.5bar	① Flow(@0kpa): 17L/min Max vacuum: -80kpa
② Flow(@0bar): 25L/min Max pressure: 5bar	② Flow(@0kpa): 25L/min Max vacuum: -85kpa
③ Flow(@0bar): 40L/min Max pressure: 6.5bar	③ Flow(@0kpa): 38L/min Max vacuum: -85kpa

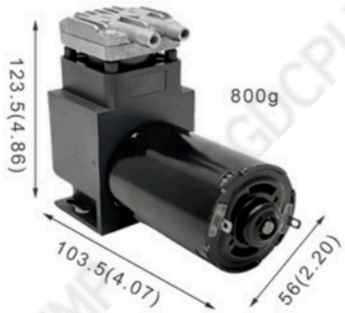


Brushless motor	Brush motor
12V, 24V	
3000hours	1000hours
Noise 60-70dB	
Dimensions in mm (inch)	



JSG-79 Series Customization— Flow: 40-45L/min, Pressure:5-7bar, Vacuum: -85kpa, Power:50-70W

JSG-79A-M	JSG-79V-M
① Flow(@0bar): 40L/min Max pressure: 7bar	① Flow(@0kpa): 35L/min Max vacuum: -85kpa
② Flow(@0bar): 45L/min Max pressure: 7bar	② Flow(@0kpa): 40L/min Max vacuum: -85kpa
③ Flow(@0bar): 50L/min Max pressure: 7bar	③ Flow(@0kpa): 45L/min Max vacuum: -85kpa



Brush motor
12V, 24V
1000hours
Noise 68-75dB
Dimensions in mm (inch)

Purchasing Tips

1. Define Needs: Specify system pressure, flow, and voltage for optimal compatibility.
2. Fluid Type: Select based on air or liquid, focusing on chemical properties.
3. Startup Load: Select based on no-load or load startup requirements for pressure/flow.
4. Environment: Ensure the pump suits the temperature and environmental conditions.
5. Size Fit: Verify pump size and weight meet your spatial and installation needs.
6. Measurement Standard: JSG DC PUMP uses rotameters for standard flow measurements, which may differ from electronic flow meters.

JSG DC PUMP

Piston Air Pump

Features:

- Oil-Free
- Durability
- Low Noise
- High-pressure
- High Efficiency
- Compact Design
- Maintenance-Free

Typical Applications:

- Medical equipment
- Cosmetic Instruments
- Household appliances
- Power tools
- Automation
- Robotics
- Pressure and Vacuum Applications

JSG-08 Series Customization— Flow: 40-45L/min, Pressure:2-7bar, Vacuum: -85kpa, Power:60-120W

JSG-08A-S | JSG-08AB-S

① Flow(@0bar): 45L/min
Max pressure: 6bar

② Flow(@0bar): 45L/min
Max pressure: 4bar

③ Flow(@0bar): 45L/min
Max pressure: 2bar

JSG-08V-S | JSG-08VB-S

① Flow(@0kpa): 40L/min
Max vacuum: -85kpa

Advantage:
Small size and light weight
DC powered, low power
Oil-free, sustainable work
Aluminum alloy material
high temperature resistance



Brushless motor	Brush motor
12V, 24V	
5000hours	1000hours
Noise 62-75dB	
Dimensions in mm (inch)	



JSG-08 Series Customization— Flow: 70-80L/min, Pressure:2-7bar, Vacuum: -85kpa, Power:80-150W

JSG-08A-D | JSG-08AB-D

① Flow(@0bar): 80L/min
Max pressure: 7bar

② Flow(@0bar): 80L/min
Max pressure: 5bar

③ Flow(@0bar): 80L/min
Max pressure: 2bar

JSG-08V-D | JSG-08VB-D

① Flow(@0kpa): 70L/min
Max vacuum: -85kpa

Patented product:
Compact design
High torque motor
Aluminum alloy material
Double cylinder piston movement
Can be suction and Inflatable



Brushless motor	Brush motor
12V, 24V	
5000hours	1000hours
Noise 62-75dB	
Dimensions in mm (inch)	



JSG-Accessories series



One-way Valve / Check Valve

Prevents reverse flow of compressed air in pneumatic systems.Ensures one-way gas flow, critical for system integrity.

IDXOD(mm)	2.3x4.3 3.3x6.3 4x8 5x8



Pressure/Vacuum Filter

Provides filtration in pressure/vacuum applications, suitable for use with PU tubing. Ensures clean operational conditions, extends pump life by preventing contaminant ingress.

ID(mm)	4 6 8 (for JSG-03 JSG-04 JSG-07 JSG-08)



Air Filter

Filters particles to protect pump internals, suitable for silicone hoses. Regular replacement recommended for efficiency and longevity.

IDXOD(mm)	4x7 (for JSG-04 JSG- 07)



Silicone Hose

Transports gases or liquids in micro pump applications. Offers flexibility and chemical resistance, suitable for a wide range of fluids and gases.

IDXOD(mm)	2x4 4x6 5x11 6x12 7x12

JSG DC PUMP

Mini Compressor

Features:

- Oil-Free
- Durability
- High-floe
- High-pressure
- Compact design
- Maintenance-Free
- Patented technology

Typical Applications:

- Rehabilitation equipment
- 3D Printing equipment
- Vacuum lifter
- high-pressure cleaning equipment
- Environmental monitoring equipment
- Automation

Pump Accessories



PU Tube

Flexible tubing for pneumatic connections. Durable and resistant to wear, suitable for various high pressure pneumatic applications.

IDXOD(mm)	2x4 4x6 8x12



Silicone Shock Absorber

Used in micro pumps to reduce vibration and noise. Offers flexible installation options, enhances durability and performance by minimizing noise and wear.

Applicable Series	JSG-02 JSG-03 JSG-04 JSG-07



Metal Spring Shock Absorber

Patented shock absorber designed for micro pump applications. Utilizes metal springs for superior vibration reduction and noise control.

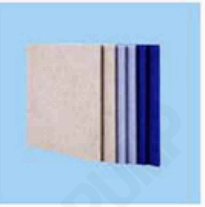
Applicable Series	JSG-07



Silencer/Muffler/Noise Reducer

Reduces airflow noise from pump operation. Integrates into the air circuit to effectively minimize noise levels.

IDXOD(mm)	4x7.5 (for JSG-04 JSG-07 JSG-08)



Sound Absorbing Cotton

Used in conjunction with micro pumps and systems to absorb and isolate sound.Enhances noise reduction efforts.

Thickness(mm)	1 2 3 4 5



PWM Controller

Adjusts airflow by controlling PWM frequency and duty cycle through potentiometer knob adjustment.

Supply Voltage/Frequency	7-24V / 1HZ-100KHZ



Float Flow Meter

Measures the flow rate of gas or liquid in the system.Provides accurate flow data, essential for monitoring and control in precision applications.

Range(LPM)	0-1 1-5 1-10 6-60 10-100



3 Port Solenoid Valve

Ideally suited for applications requiring rapid opening or closing of airflow in conjunction with micro air pumps, such as pressure release and flow diversion.

Voltage	12V 24V

JSG DC PUMP

Pump Accessories

Features:

- shock absorption
- noise reduction
- Filtration
- Speed control
- favorable price

Advantages:

provides essential accessories for micro pumps, including PU Tubes, Shock Absorbers, Sound Absorbing Cotton, Flow Meters, PWM Controllers, Silencers, Solenoid Valves, One-way Valves, and various Filters. These components enhance system performance, reduce noise and vibration, and ensure clean and efficient operations across diverse applications.