

1 Series - Micro Diaphragm Air Pump

Model:BD-01A-L 0.3L

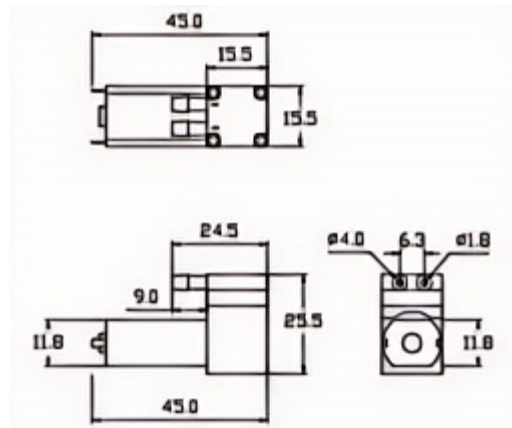
Pneumatic Data	
Maximum Pressure	0.5bar (50kPa/0.050Mpa)
Maximum Flow(@0 kPa)	0.3 L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	3V
No-load Current	<0.2 A
Noise From 30cm	55 dB
Working Mode	Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ1.8 mm
Dimensions	45x25.5x15.5 mm
Weight	24 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45℃



Features

- Miniature diaphragm air pump, small size, maintenance-free
- Precise production, high flow, high pressure
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

1 Series - Micro Diaphragm Air Pump

Model:BD-01A-L 0.5L

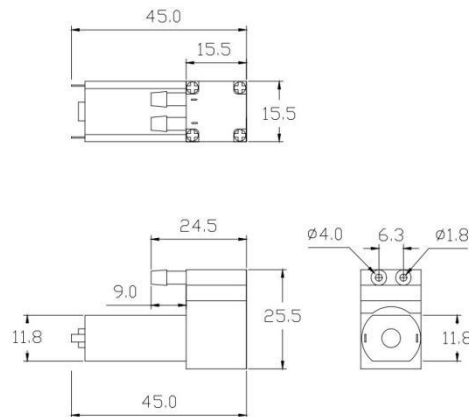
Pneumatic Data	
Maximum Pressure	0.9bar (90kPa/0.090Mpa)
Maximum Flow(@0 kPa)	0.5 L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	3V
No-load Current	<0.2 A
Noise From 30cm	60 dB
Working Mode	Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ1.8 mm
Dimensions	45x25.5x15.5 mm
Weight	24 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air pump, small size, maintenance-free
- Precise production, high flow, high pressure
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

1 Series - Micro Diaphragm Air Pump

Model:BD-01A-L 1L

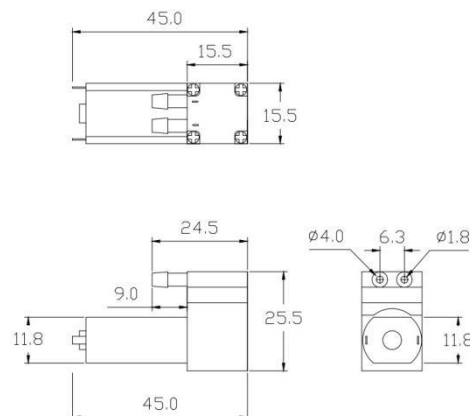
Pneumatic Data	
Maximum Pressure	1 bar (100kPa/0.010Mpa)
Maximum Flow(@0 kPa)	1 L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	3V
No-load Current	<0.3 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	300-500 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ1.8 mm
Dimensions	45x25.5x15.5 mm
Weight	24 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air pump, small size, maintenance-free
- Precise production, high flow, high pressure
- Brush motor, operation life of more than 300-500 hours.

Dimensional Outline Drawing (Unit:mm)



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 300-500 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 5-10 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

1 Series - Micro Diaphragm Vacuum Pump

Model:BD-01V-L 0.3L

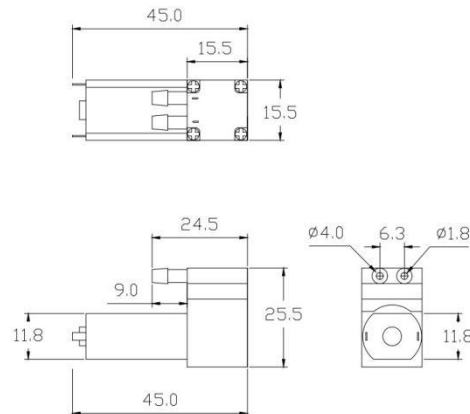
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-30 kPa (-225mmHg/-0.030Mpa)
Maximum Flow(@0 kPa)	0.3 L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	3V
No-load Current	<0.2 A
Noise From 30cm	55 dB
Working Mode	Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ1.8 mm
Dimensions	45x25.5x15.5 mm
Weight	24 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45℃



Features

- Miniature diaphragm vacuum pump, small size , self-priming, maintenance-free
- Precise production, high flow, high vacuum
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

1 Series - Micro Diaphragm Vacuum Pump

Model:BD-01V-L 0.5L

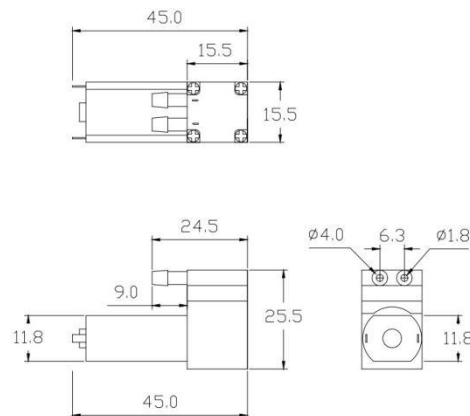
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-50 kPa (-375mmHg/-0.050Mpa)
Maximum Flow(@0 kPa)	0.5 L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	3V
No-load Current	<0.2 A
Noise From 30cm	60 dB
Working Mode	Intermittent
Life Time	300-500 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ1.8 mm
Dimensions	45x25.5x15.5 mm
Weight	24 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm vacuum pump, small size , self-priming, maintenance-free
- Precise production, high flow, high vacuum
- Brush motor, operation life of more than 300- 500 hours.

Dimensional Outline Drawing (Unit:mm)



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 5-10 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

1 Series - Micro Diaphragm Vacuum Pump

Model:BD-01V-L 0.8L

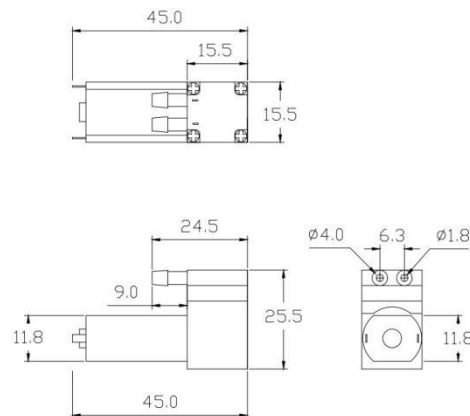
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-60 kPa (-450mmHg/-0.060Mpa)
Maximum Flow(@0 kPa)	0.8 L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	3V
No-load Current	<0.3 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ1.8 mm
Dimensions	45x25.5x15.5 mm
Weight	24g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm vacuum pump, small size , self-priming, maintenance-free
- Precise production, high flow, high vacuum
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 300-500 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

2 Series - Micro Diaphragm Air Pump

Model:BD-02A 1L

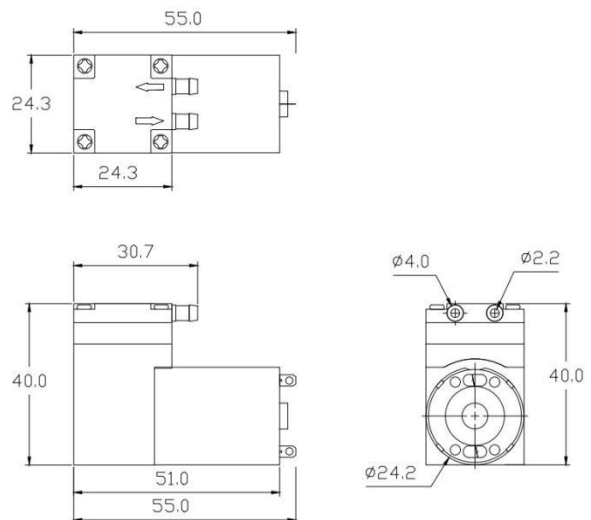
Pneumatic Data	
Maximum Pressure	0.5bar (50kPa/0.050Mpa)
Maximum Flow(@0 kPa)	1L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.15A
Noise From 30cm	58 dB
Working Mode	Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	53x40x24.3 mm
Weight	71 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45℃



Features

- Miniature diaphragm air pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

2 Series - Micro Diaphragm Air Pump

Model:BD-02A 1.5L

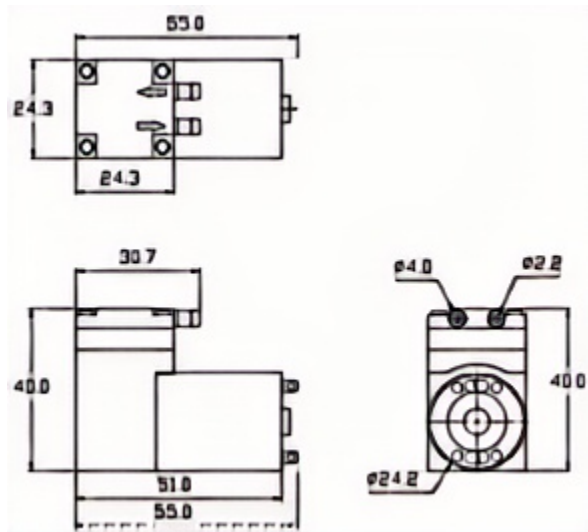
Pneumatic Data	
Maximum Pressure	1bar (100kPa/0.010Mpa)
Maximum Flow(@0 kPa)	1.5L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.2 A
Noise From 30cm	60 dB
Working Mode	Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	53x40x24.3 mm
Weight	71 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
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2 Series - Micro Diaphragm Air Pump

Model:BD-02A 3L

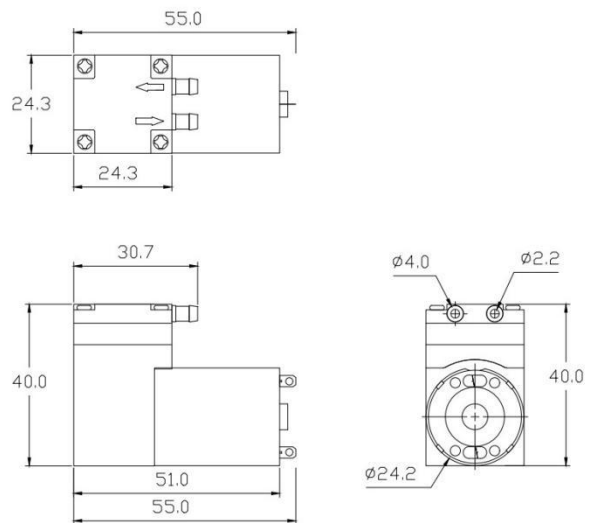
Pneumatic Data	
Maximum Pressure	1.5bar (150kPa/0.150Mpa)
Maximum Flow(@0 kPa)	3L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.3 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	53x40x24.3 mm
Weight	73 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

2 Series - Micro Diaphragm Air Pump

Model:BD-02AB 1L

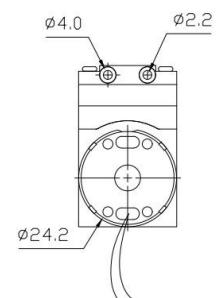
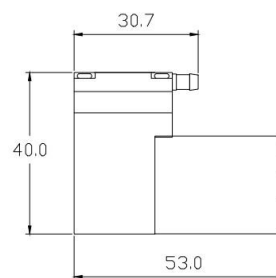
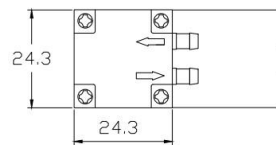
Pneumatic Data	
Maximum Pressure	0.5bar (50kPa/0.050Mpa)
Maximum Flow(@0 kPa)	1L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤0.15 A
Noise From 30cm	58 dB
Working Mode	Continuous or Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	53x40x24.3 mm
Weight	73 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45℃



Features

- Miniature diaphragm air pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

2 Series - Micro Diaphragm Air Pump

Model:BD-02AB 1.5L

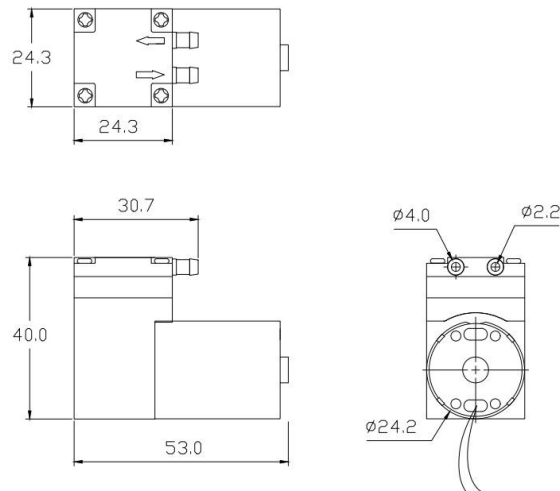
Pneumatic Data	
Maximum Pressure	1bar (100kPa/0.010Mpa)
Maximum Flow(@0 kPa)	1.5L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤0.2 A
Noise From 30cm	60 dB
Working Mode	Continuous or Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	53x40x24.3 mm
Weight	73 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

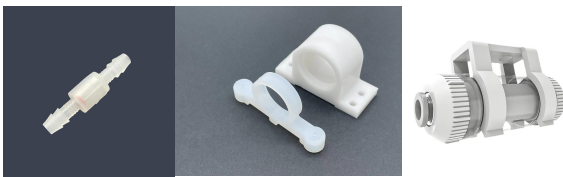
- Miniature diaphragm air pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

2 Series - Micro Diaphragm Air Pump

Model:BD-02AB 3L

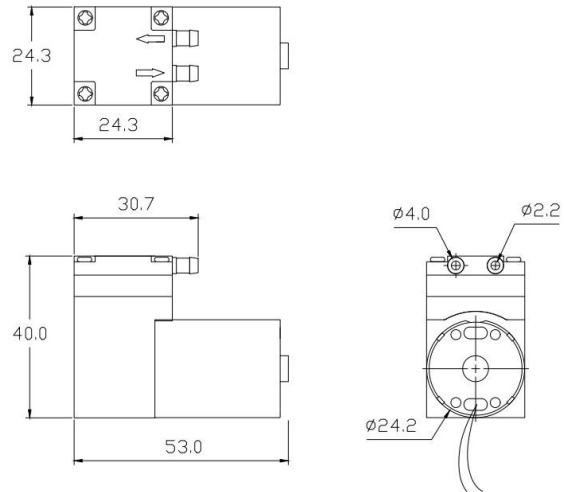
Pneumatic Data	
Maximum Pressure	1.5bar (150kPa/0.150Mpa)
Maximum Flow(@0 kPa)	3L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤0.3 A
Noise From 30cm	65 dB
Working Mode	Continuous or Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	53x40x24.3 mm
Weight	73 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45℃



Features

- Miniature diaphragm air pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

2 Series - Micro Diaphragm Vacuum Pump

Model:BD-02V 1L

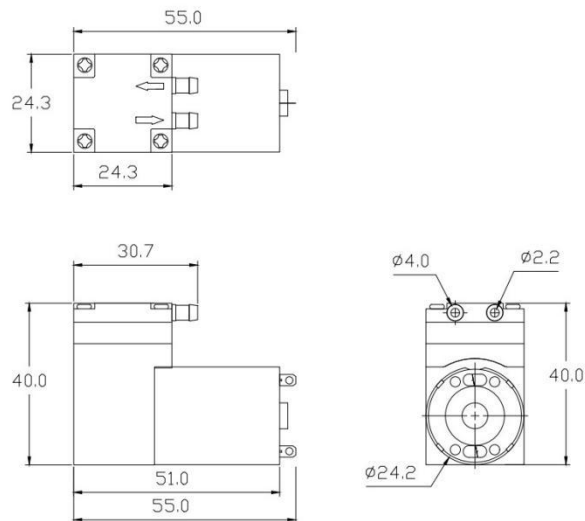
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-30 kPa (-225mmHg/-0.030Mpa)
Maximum Flow(@0 kPa)	1 L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.15A
Noise From 30cm	58 dB
Working Mode	Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	55x40x24.3 mm
Weight	71 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

2 Series - Micro Diaphragm Vacuum Pump

Model:BD-02V 1.5L

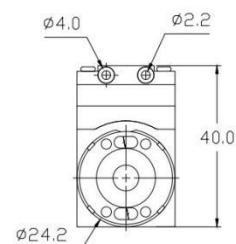
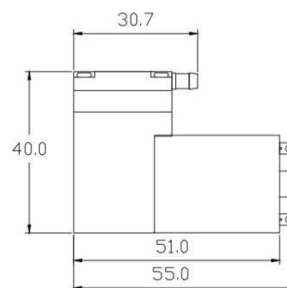
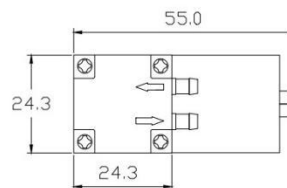
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-50 kpa (-375mmHg/-0.050Mpa)
Maximum Flow(@0 kPa)	1.5 L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.2A
Noise From 30cm	60 dB
Working Mode	Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	55x40x24.3 mm
Weight	71 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
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2 Series - Micro Diaphragm Vacuum Pump

Model:BD-02V 3L

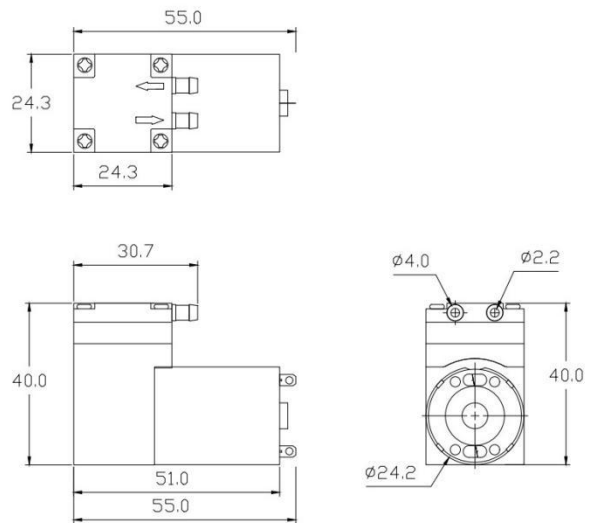
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-65 kpa (-488mmHg/-0.650Mpa)
Maximum Flow(@0 kPa)	3 L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.3A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	55x40x24.3 mm
Weight	71 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

2 Series - Micro Diaphragm Vacuum Pump

Model:BD-02VB 1L

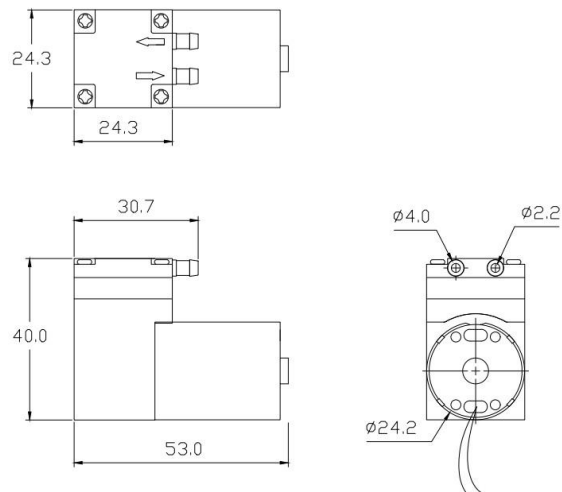
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-30 kPa (-225mmHg/-0.030Mpa)
Maximum Flow(@0 kPa)	1 L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤0.15A
Noise From 30cm	58 dB
Working Mode	Continuous or Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	53x40x24.3 mm
Weight	73 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

2 Series - Micro Diaphragm Vacuum Pump

Model:BD-02VB 1.5L

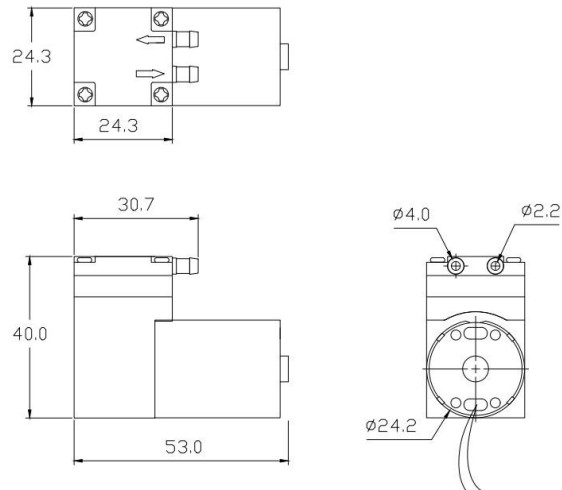
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-50 kpa (-375mmHg/-0.050Mpa)
Maximum Flow(@0 kPa)	1.5 L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤0.2A
Noise From 30cm	60 dB
Working Mode	Continuous or Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	53x40x24.3 mm
Weight	73 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

2 Series - Micro Diaphragm Vacuum Pump

Model:BD-02VB 3L

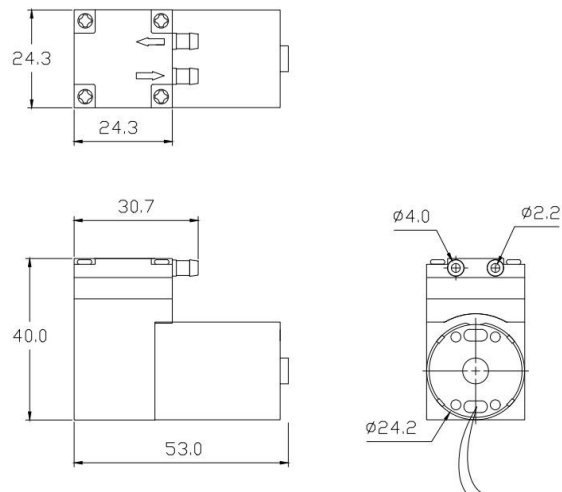
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-65 kpa (-488mmHg/-0.650Mpa)
Maximum Flow(@0 kPa)	3 L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤0.3A
Noise From 30cm	65 dB
Working Mode	Continuous or Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	53x40x24.3 mm
Weight	73 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Air Pump

Model:BD-03A 3L

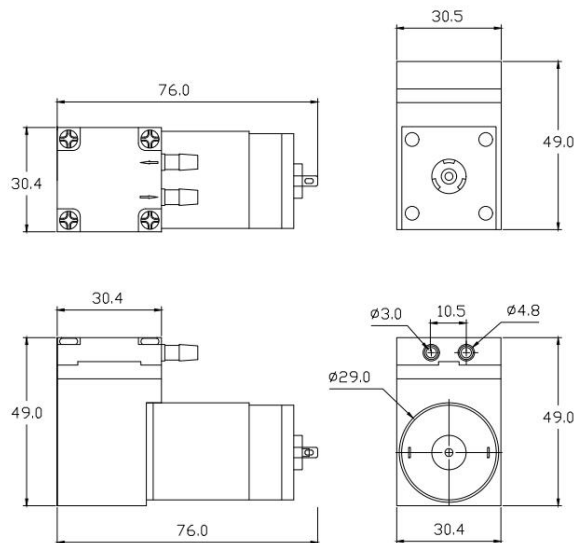
Pneumatic Data	
Maximum Pressure	2 bar (200kPa/0.020Mpa)
Maximum Flow(@0 kPa)	3L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.4 A
Noise From 30cm	60 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	76x49x30.4 mm
Weight	140 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Air Pump

Model:BD-03A 5L

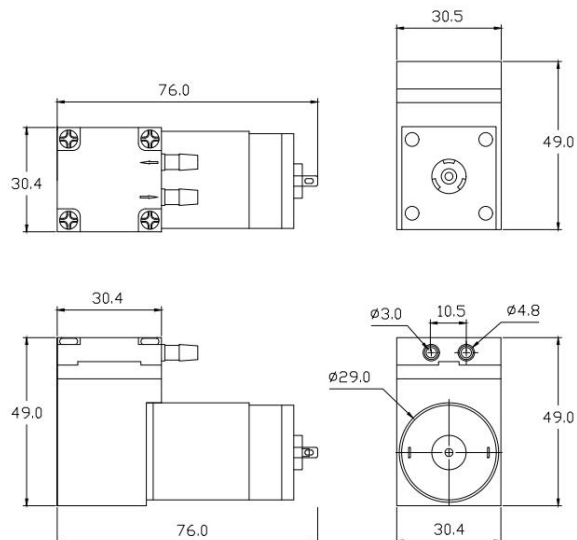
Pneumatic Data	
Maximum Pressure	2.5 bar (250kPa/0.250Mpa)
Maximum Flow(@0 kPa)	5L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.5 A
Noise From 30cm	63 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	76x49x30.4 mm
Weight	140 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Air Pump

Model:BD-03A 6L

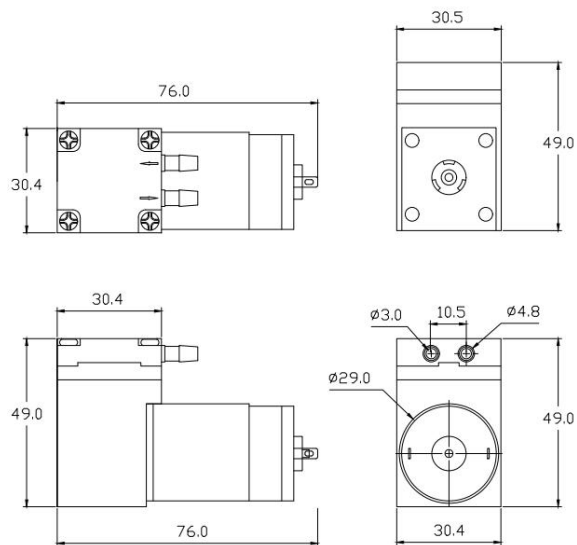
Pneumatic Data	
Maximum Pressure	3 bar (300kPa/0.030Mpa)
Maximum Flow(@0 kPa)	6L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.6 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	76x49x30.4 mm
Weight	140 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Air Pump

Model:BD-03AB 3L

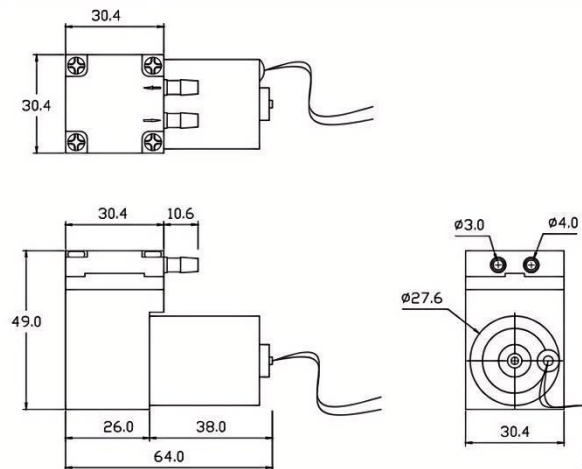
Pneumatic Data	
Maximum Pressure	2 bar (200kPa/0.020Mpa)
Maximum Flow(@0 kPa)	3L/min
Electrical Data	
Motor Type	DC Brusless Motor
Rated Voltage	12V DC
No-load Current	≤0.4 A
Noise From 30cm	60 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	64x49x30.4 mm
Weight	120 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Air Pump

Model:BD-03AB 5L

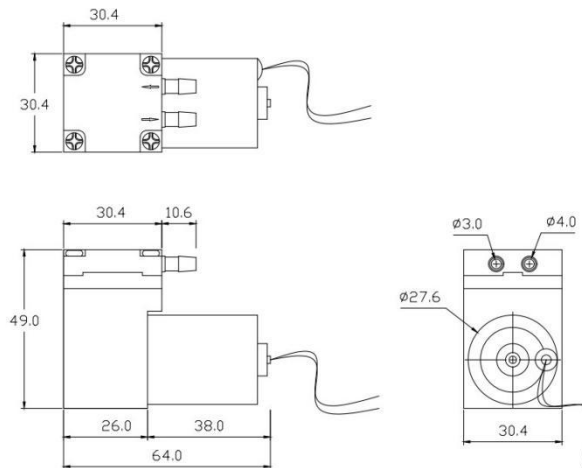
Pneumatic Data	
Maximum Pressure	2.5 bar (250kPa/0.250Mpa)
Maximum Flow(@0 kPa)	5L/min
Electrical Data	
Motor Type	DC Brusless Motor
Rated Voltage	12V DC
No-load Current	≤0.5 A
Noise From 30cm	63 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	64x49x30.4 mm
Weight	120 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Air Pump

Model:BD-03AB 6L

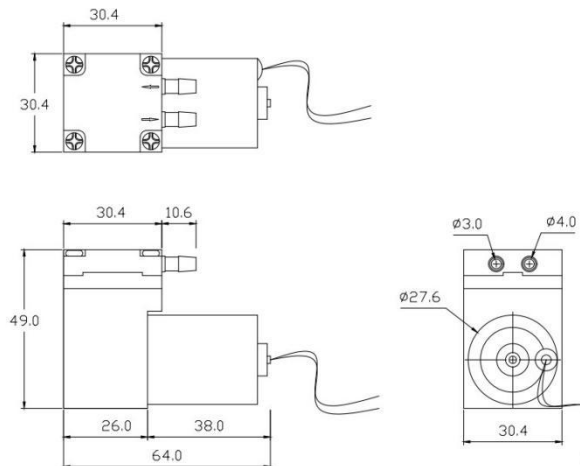
Pneumatic Data	
Maximum Pressure	3 bar (300kPa/0.030Mpa)
Maximum Flow(@0 kPa)	6L/min
Electrical Data	
Motor Type	DC Brusless Motor
Rated Voltage	12V DC
No-load Current	≤0.6 A
Noise From 30cm	65 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	64x49x30.4 mm
Weight	120 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Vacuum Pump

Model:BD-03V 3L

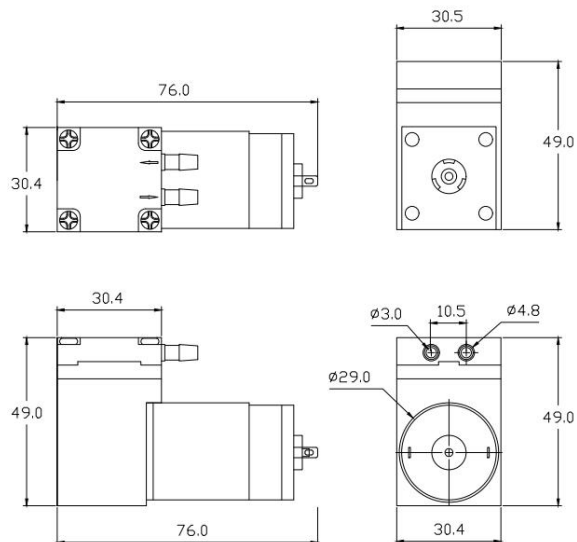
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-60 kPa (-450mmHg/-0.060Mpa)
Maximum Flow(@0 kPa)	3L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.4 A
Noise From 30cm	60 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	76x49x30.4 mm
Weight	140 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Vacuum Pump

Model:BD-03V 5L

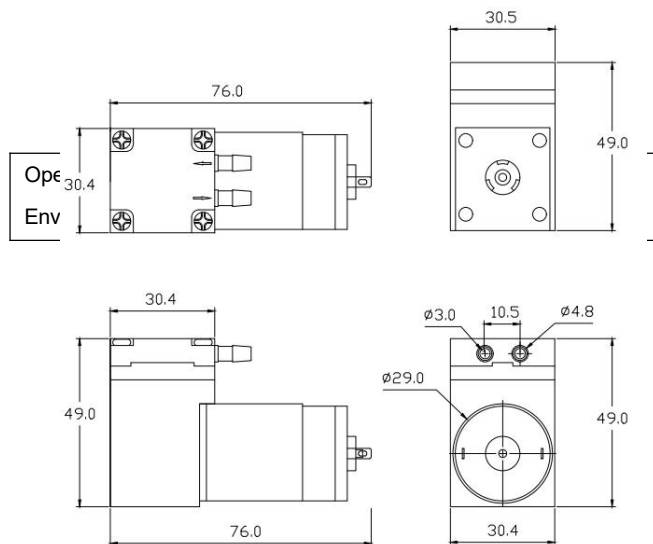
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-70 kPa (-525mmHg/-0.070Mpa)
Maximum Flow(@0 kPa)	5L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.5 A
Noise From 30cm	63 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	76x49x30.4 mm
Weight	140 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM



Features

- Miniature diaphragm vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Vacuum Pump

Model:BD-03V 6L

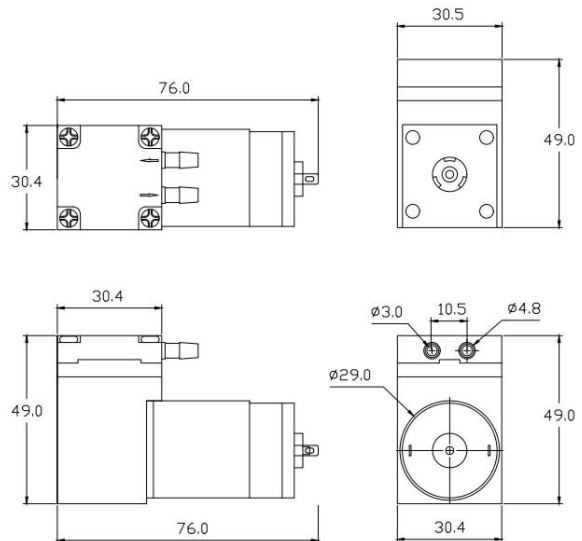
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-70 kPa (-525mmHg/-0.070Mpa)
Maximum Flow(@0 kPa)	6L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.6 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	76x49x30.4 mm
Weight	140 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Vacuum Pump

Model:BD-03VB 3L

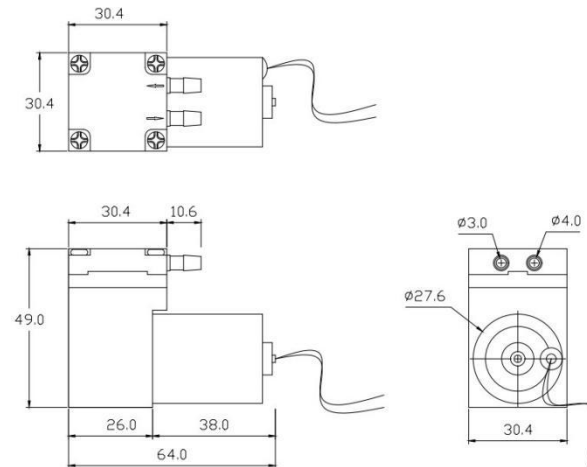
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-60 kPa (-450mmHg/-0.060Mpa)
Maximum Flow(@0 kPa)	3L/min
Electrical Data	
Motor Type	DC Brusless Motor
Rated Voltage	12V DC
No-load Current	≤0.4 A
Noise From 30cm	60 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	64x49x30.4 mm
Weight	120 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Vacuum Pump

Model:BD-03VB 5L

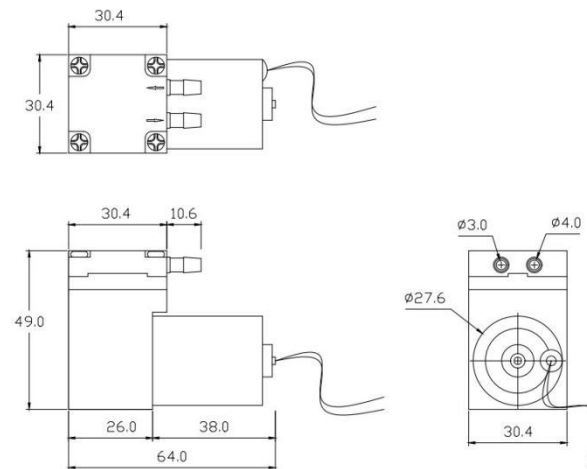
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-70 kPa (-525mmHg/-0.070Mpa)
Maximum Flow(@0 kPa)	5L/min
Electrical Data	
Motor Type	DC Brusless Motor
Rated Voltage	12V DC
No-load Current	≤0.5 A
Noise From 30cm	63 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	64x49x30.4 mm
Weight	120 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Vacuum Pump

Model:BD-03VB 6L

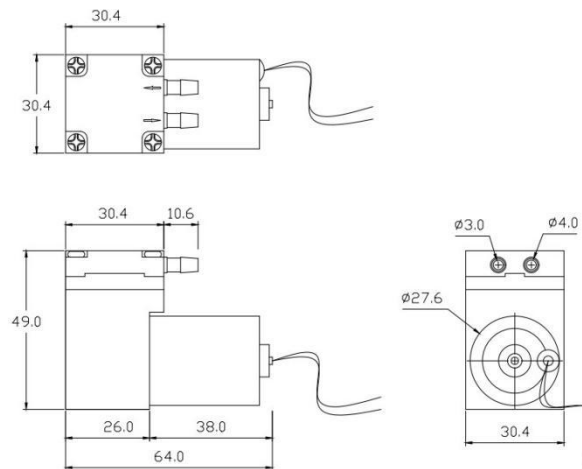
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-70 kPa (-525mmHg/-0.070Mpa)
Maximum Flow(@0 kPa)	6L/min
Electrical Data	
Motor Type	DC Brusless Motor
Rated Voltage	12V DC
No-load Current	≤0.6 A
Noise From 30cm	65 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	64x49x30.4 mm
Weight	120 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

4 Series - Micro Diaphragm Air Pump

Model:BD-04A 11L

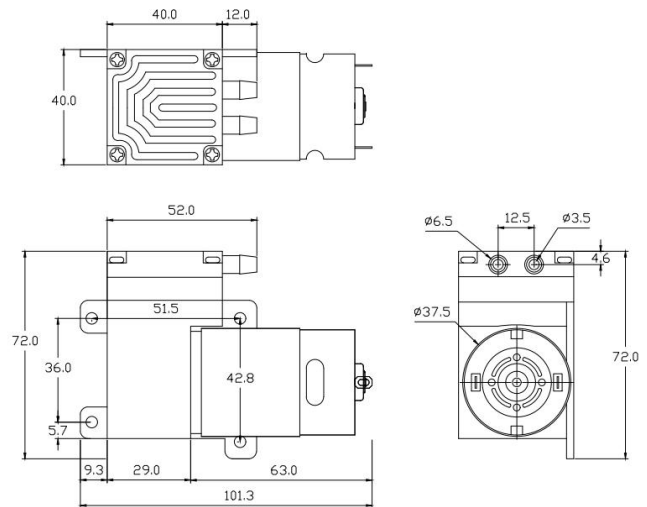
Pneumatic Data	
Maximum Pressure	2.5 bar (250kPa/0.250Mpa)
Maximum Flow(@0 kPa)	11L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.6 A
Noise From 30cm	60 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	101.3x72x52 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

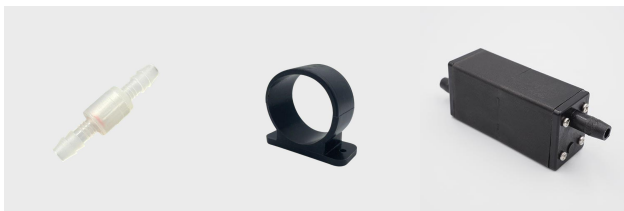
- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

4 Series - Micro Diaphragm Air Pump

Model:BD-04A 15L

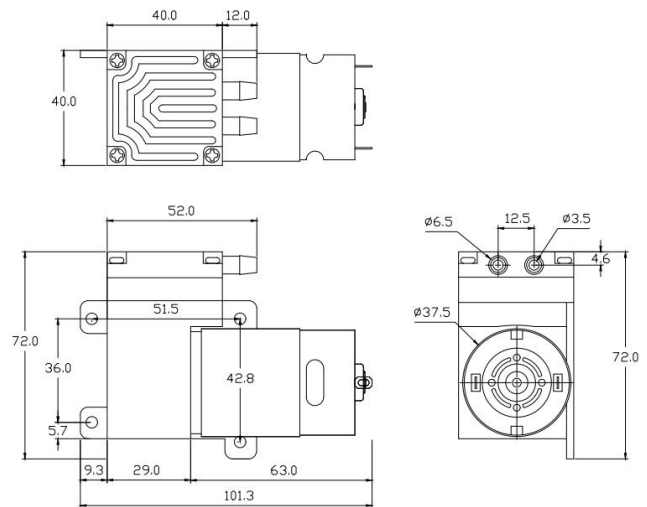
Pneumatic Data	
Maximum Pressure	3 bar (300kPa/-0.030Mpa)
Maximum Flow(@0 kPa)	15L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.8 A
Noise From 30cm	63 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	101.3x72x52 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45℃



Features

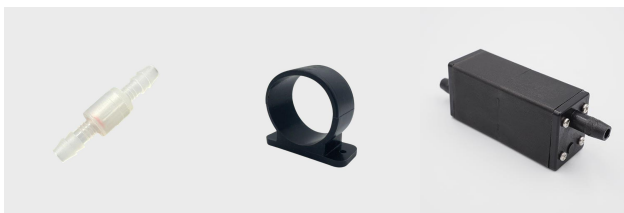
- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

4 Series - Micro Diaphragm Air Pump

Model:BD-04A 20L

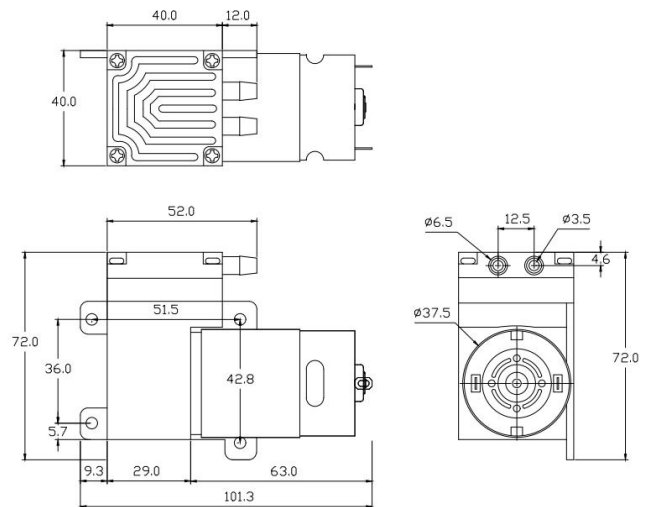
Pneumatic Data	
Maximum Pressure	3.5 bar (350kPa/-0.350Mpa)
Maximum Flow(@0 kPa)	20L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤1.2 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	101.3x72x52 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

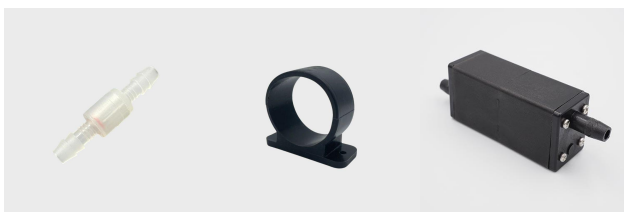
- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

4 Series - Micro Diaphragm Air Pump

Model:BD-04AB 11L

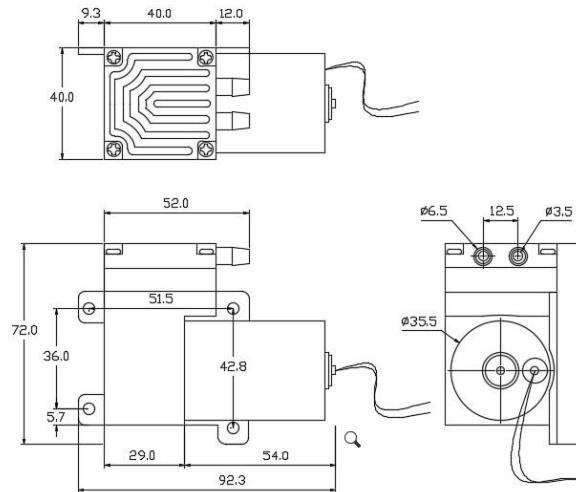
Pneumatic Data	
Maximum Pressure	2.5 bar (250kPa/0.250Mpa)
Maximum Flow(@0 kPa)	11L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤0.6 A
Noise From 30cm	60 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	92.3x72x52 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

4 Series - Micro Diaphragm Air Pump

Model:BD-04AB 15L

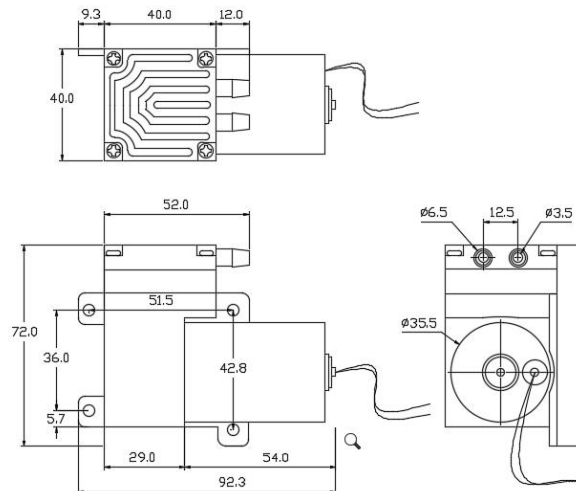
Pneumatic Data	
Maximum Pressure	3 bar (300kPa/0.030Mpa)
Maximum Flow(@0 kPa)	15L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤0.8 A
Noise From 30cm	63 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	92.3x72x52 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

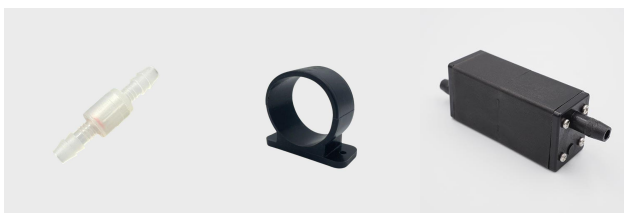
- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

4 Series - Micro Diaphragm Air Pump

Model:BD-04AB 20L

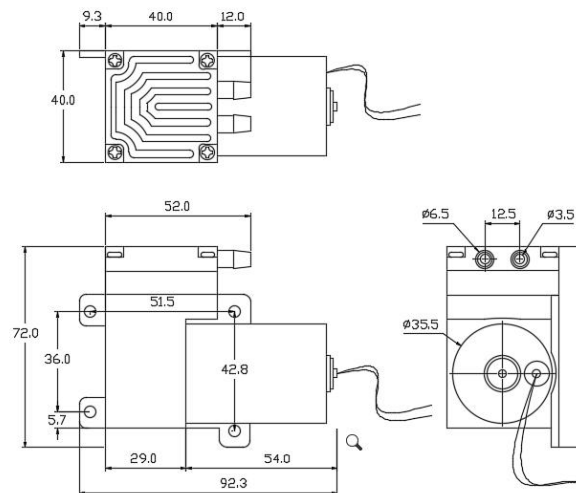
Pneumatic Data	
Maximum Pressure	3.5 bar (350kPa/0.350Mpa)
Maximum Flow(@0 kPa)	20L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤1.2 A
Noise From 30cm	65 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	92.3x72x52 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45℃



Features

- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

4 Series - Micro Diaphragm Vacuum Pump

Model:BD-04V 11L

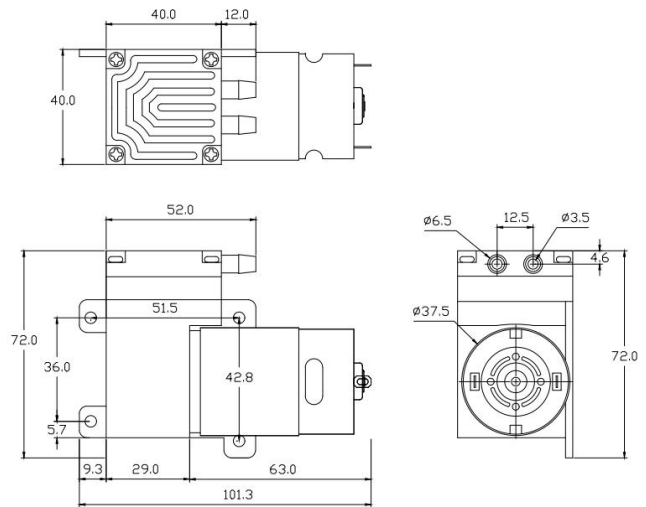
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-75 kPa (-563mmHg/-0.0750Mpa)
Maximum Flow(@0 kPa)	11L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.6 A
Noise From 30cm	60 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	101.3x72x52 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

4 Series - Micro Diaphragm Vacuum Pump

Model:BD-04V 15L

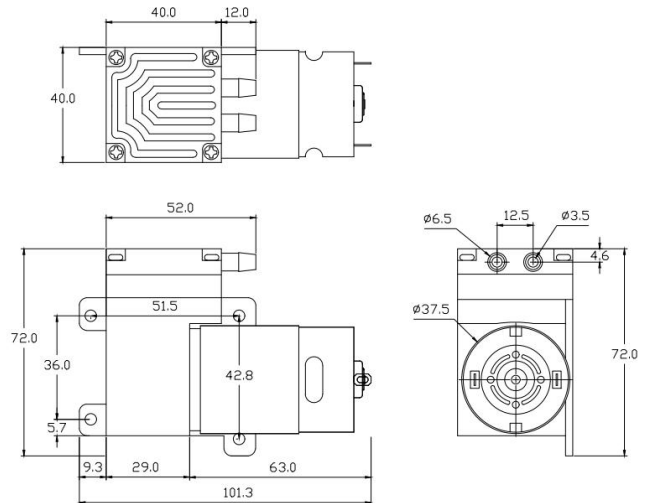
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-80 kPa (-600mmHg/-0.080Mpa)
Maximum Flow(@0 kPa)	15L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤0.8 A
Noise From 30cm	63 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	101.3x72x52 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

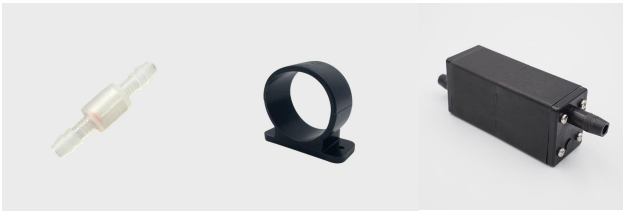
- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

4 Series - Micro Diaphragm Vacuum Pump

Model:BD-04V 20L

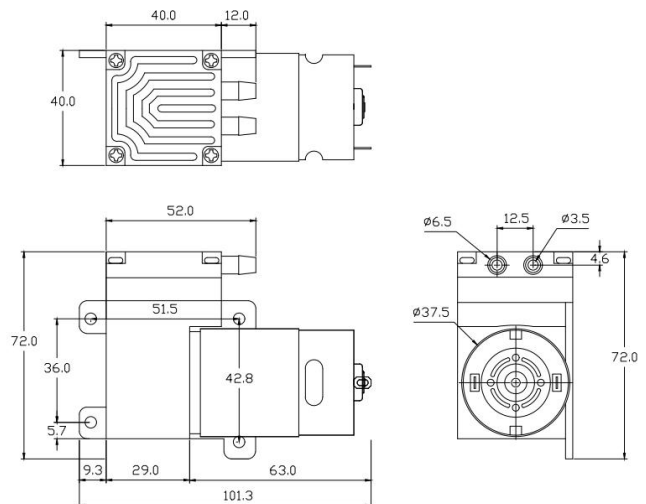
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-80 kPa (-600mmHg/-0.080Mpa)
Maximum Flow(@0 kPa)	20L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤1.2 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	101.3x72x52 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

4 Series - Micro Diaphragm Vacuum Pump

Model:BD-04VB 11L

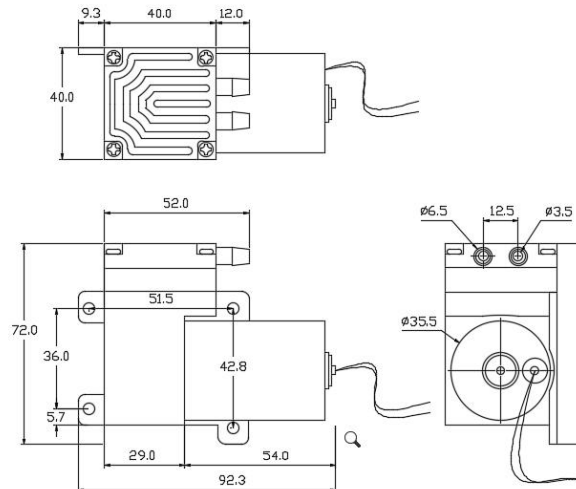
Pneumatic Data	
Maximum Pressure	-75 kPa (-563mmHg/-0.0750Mpa)
Maximum Flow(@0 kPa)	11L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤0.6 A
Noise From 30cm	60 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	92.3x72x52 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

4 Series - Micro Diaphragm Vacuum Pump

Model:BD-04VB 15L

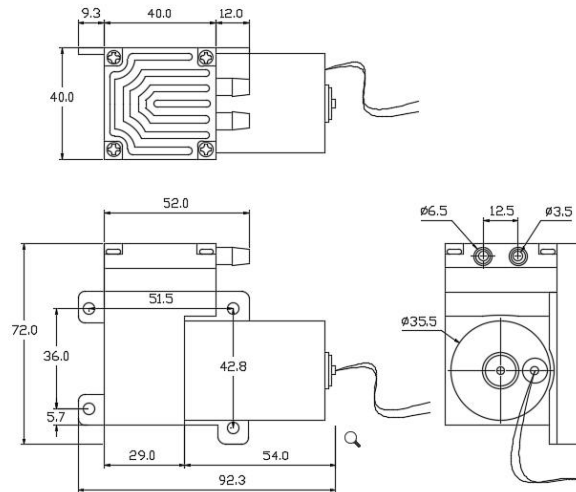
Pneumatic Data	
Maximum Pressure	-80 kPa (-600mmHg/-0.080Mpa)
Maximum Flow(@0 kPa)	15L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤0.8 A
Noise From 30cm	63 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	92.3x72x52 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

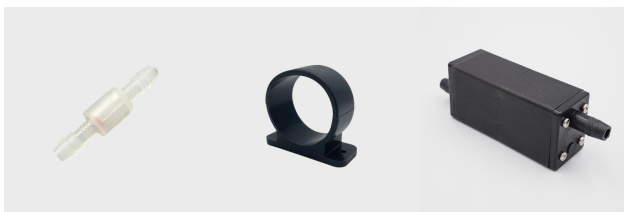
- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

4 Series - Micro Diaphragm Vacuum Pump

Model:BD-04VB 20L

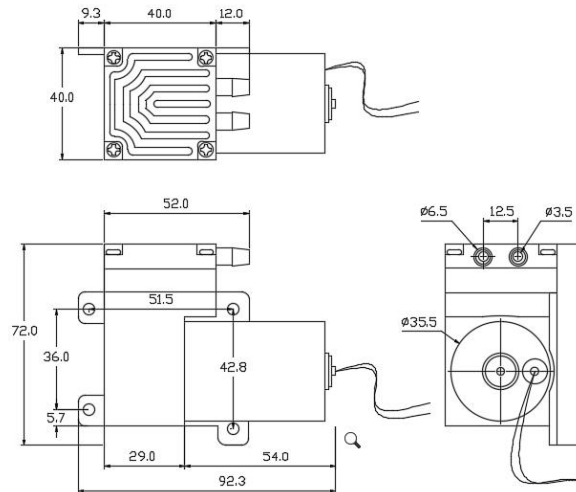
Pneumatic Data	
Maximum Pressure	-80 kPa (-600mmHg/-0.080Mpa)
Maximum Flow(@0 kPa)	20L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤1.2 A
Noise From 30cm	65 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	92.3x72x52 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

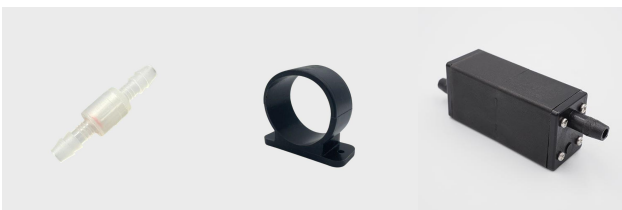
- Miniature diaphragm air vacuum pump, small size , maintenance-free
- Precise production, high flow, high vacuum
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

1 Series - Micro Diaphragm Water/Liquid Pump

Model:BD-01W-S

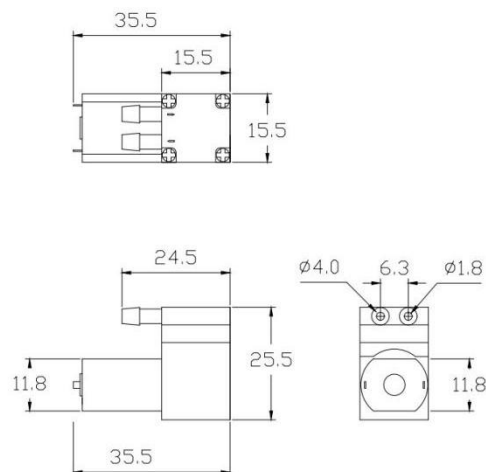
Pneumatic Data	
Max Water Flow	200 mL/min
Max Vacuum	-30 kPa
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	3V
No-load Current	≤0.2 A
Noise From 30cm	50 dB
Working Mode	Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ1.8 mm
Dimensions	35.5x25.5x15.5 mm
Weight	18 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm water pump, small size , self-priming, maintenance-free
- Precise production, high water flow
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

1 Series - Micro Diaphragm Water/Liquid Pump

Model:BD-01W-L

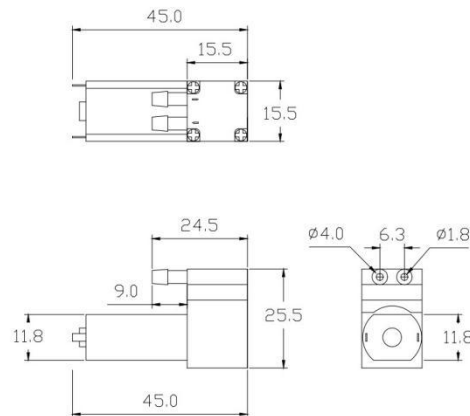
Pneumatic Data	
Max Water Flow	200 mL/min
Max Vacuum	-30 kPa
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	3V
No-load Current	≤0.2 A
Noise From 30cm	50 dB
Working Mode	Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ1.8 mm
Dimensions	45x25.5x15.5 mm
Weight	24 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm water pump, small size , self-priming, maintenance-free
- Precise production, high water flow
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

2 Series - Micro Diaphragm Water/Liquid Pump

Model:BD-02W

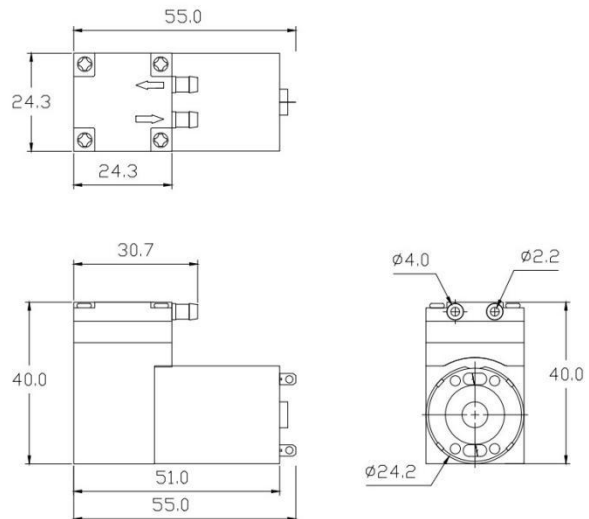
Pneumatic Data	
Max Water Flow	400 mL/min
Max Vacuum	-30 kPa
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	6V DC
No-load Current	≤0.2A
Noise From 30cm	50 dB
Working Mode	Continuous or Intermittent
Life Time	500 hours
Other Data	
Inlet/Outlet diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	53x40x24.3 mm
Weight	71 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm water pump, small size , self-priming, maintenance-free
- Precise production, high water flow
- Brush motor, operation life of more than 500 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Silicone Shock Bracket



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 500 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 30 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

2 Series - Micro Diaphragm Water/Liquid Pump

Model:BD-02WB

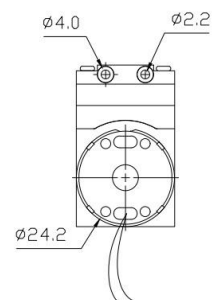
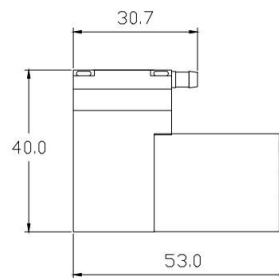
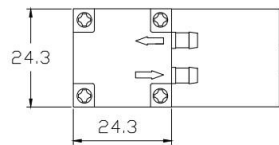
Pneumatic Data	
Max Water Flow	400 mL/min
Max Vacuum	-30 kPa
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	6V DC
No-load Current	≤0.2 A
Noise From 30cm	50 dB
Working Mode	Continuous or Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ2.2 mm
Dimensions	53x40x24.3 mm
Weight	73 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature diaphragm water pump, small size , self-priming, maintenance-free
- Precise production, high water flow
- Brush motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Silicone Shock Bracket



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

3 Series - Micro Diaphragm Water/Liquid Pump

Model:BD-03W

Pneumatic Data	
Max Water Flow	500 mL/min
Max Vacuum	-30 kPa
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	24V DC
No-load Current	≤0.4 A
Noise From 30cm	50 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	76x49x30.4 mm
Weight	140 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C

Accessories Optional

Check Valve, Silicone Shock Bracket, Air Filter



Usage and Attention

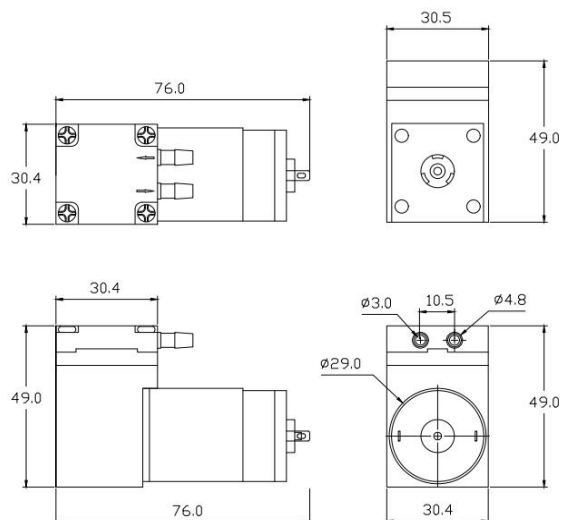
1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25°C), continuous working time not exceed 0.5 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. If want to change any specifications, please put forward demand in advance.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. If have any information or documents different with this document, this document is as the main reference.
7. Do not use in the combustible gas and any harmful environment, in order to avoid to cause the product performance unstable.
8. When the motor in operation, Please do not attempt to lock the motor especially for long time, if so, it will occur to stop turning



Features

- Miniature diaphragm water pump, small size , self-priming, maintenance-free
- Precise production, high water flow
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



3 Series - Micro Diaphragm Water/Liquid Pump

Model:BD-03WB

Pneumatic Data	
Max Water Flow	500 mL/min
Max Vacuum	-30 kPa
Electrical Data	
Motor Type	DC Brusless Motor
Rated Voltage	12V DC
No-load Current	≤0.4 A
Noise From 30cm	50 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ3.0 mm/Φ4.8 mm
Dimensions	64x49x30.4 mm
Weight	120 g
Pump Head/Body Material	Nylon
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-45 °C

Accessories Optional

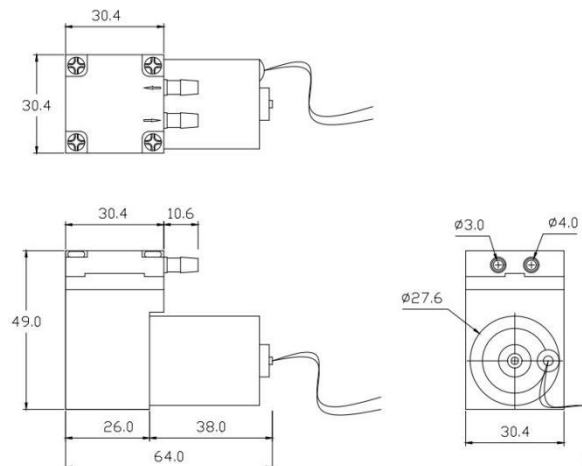
Check Valve, Silicone Shock Bracket, Air Filter



Features

- Miniature diaphragm water pump, small size , self-priming, maintenance-free
- Precise production, high water flow
- Brushless motor, operation life of more than 5000 hours.

Dimensional Outline Drawing (Unit:mm)



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25°C), continuous working time not exceed 2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. If want to change any specifications, please put forward demand in advance.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. If have any information or documents different with this document, this document is as the main reference.
7. Do not use in the combustible gas and any harmful environment, in order to avoid to cause the product performance unstable.
8. When the motor in operation, Please do not attempt to lock the motor especially for long time, if so, it will occur to stop turning continuously. produce high heat and burn out motor. impurities in prohibited from entering the motor and water droplets. In order to

4 Series - Micro Diaphragm Water/Liquid Pump

Model:BD-04W

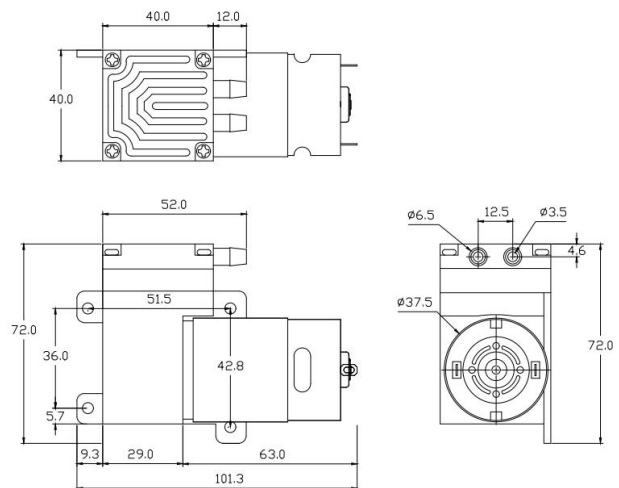
Pneumatic Data	
Max Water Flow	1000 mL/min
Max Vacuum	-30 kPa
Electrical Data	
Motor Type	DC Brush motor
Rated Voltage	12V
No-load Current	≤0.6 A
Noise from 30cm	50 dB
Working mode	Intermittent
Life time	1000 hours
Other Data	
Inlet/Outlet diameter	Φ6.5 mm/Φ3.5 mm
Dimensions	101.3x72x40 mm
Weight	305 g
Pump Head/Body Material	Nylon
Diaphragm and valve Material	EPDM/FKM
Operating environment temperature	0-40 °C



Features

- Miniature diaphragm water pump, small size , self-priming, maintenance-free
- Precise production, high water flow
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Usage and Attention

1. Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
2. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), continuous working time not exceed 0.5 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. If want to change any specifications, please put forward demand in advance.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. If have any information or documents different with this document, this document is as the main reference.
7. Do not use in the combustible gas and any harmful environment, in order to avoid to cause the product performance unstable.

7 Series - Micro Diaphragm Water/Liquid Pump

Model:BD-07W

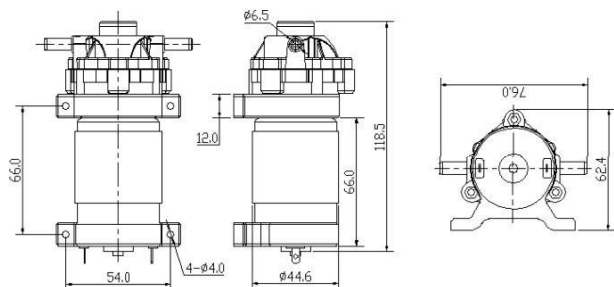
Pneumatic Data	
Max Water Flow	1L/min
Max Pressure	10 bar (145psi, 1Mpa)
Working Pressure	5 bar (72psi, 0.5Mpa)
Working Flow	≥0.5L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	24V DC
No-load Current	≤0.5 A
Noise From 30cm	55 dB
Working Mode	Continuous or Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ6.5 mm/Φ4.0 mm
Dimensions	118.5 x 76 x 62.5 mm
Weight	490 g
Pump Head/Body Material	POM
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-40 °C
Working Medium Temperature	3-50 °C



Features

- Miniature diaphragm liquid pump, small size , oil-free, Self-priming, maintenance-free
- Precise production, high pressure
- Brush motor , operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Usage and Attention

- 1.To avoid water leaking into the rotor in the event of a product failure, the correct installation method is with the pump head facing down or flat.
2. The pump must be placed behind the pre-filter cartridge of the water purifier when in use to prevent sand, gravel, and particulate matter from running into the pump and affecting its performance.
3. The pumps have been tested for safety before leaving the factory and should not be disassembled by the user.
4. This pump cannot be used to work in an environment with grease, chemical liquids and corrosive gases.

7 Series - Micro Diaphragm Water/Liquid Pump

Model:BD-07WB

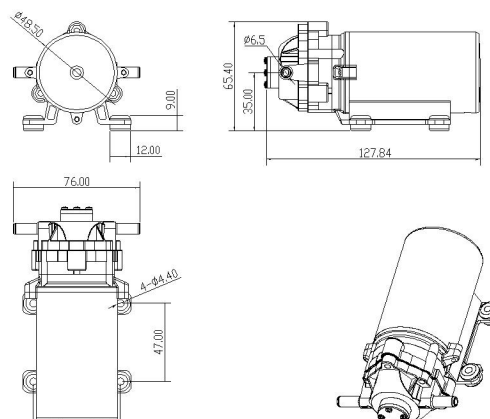
Pneumatic Data	
Max Water Flow	1L/min
Max Pressure	10 bar (145psi, 1Mpa)
Working Pressure	5 bar (72psi, 0.5Mpa)
Working Flow	≥0.5L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	24V DC
No-load Current	≤0.5 A
Noise From 30cm	50 dB
Working Mode	Continuous or Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ6.5 mm/Φ4.0 mm
Dimensions	128 x 76 x 65.4 mm
Weight	408 g
Pump Head/Body Material	POM
Diaphragm And Valve Material	EPDM
Operating Environment Temperature	5-40 °C
Working Medium Temperature	3-50 °C



Features

- Miniature diaphragm liquid pump, small size , oil-free, Self-priming, maintenance-free
- Precise production, high pressure
- Brushless motor , operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Usage and Attention

- 1.To avoid water leaking into the rotor in the event of a product failure, the correct installation method is with the pump head facing down or flat.
2. The pump must be placed behind the pre-filter cartridge of the water purifier when in use to prevent sand, gravel, and particulate matter from running into the pump and affecting its performance.
3. The pumps have been tested for safety before leaving the factory and should not be disassembled by the user.
4. This pump cannot be used to work in an environment with grease, chemical liquids and corrosive gases.

7 Series - Small Piston Air Pump

Model:BD-07A 15L

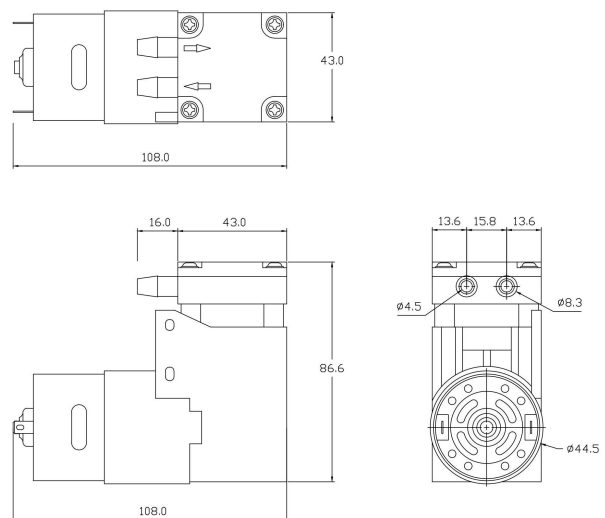
Pneumatic Data	
Maximum Pressure	4.5 bar (450kPa/-0.0450Mpa)
Maximum Flow(@0 kPa)	15L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤2 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	108x86.6x43 mm
Weight	580 g
Pump Head/Body Material	PPS
Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 5-15 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.

7 Series - Small Piston Air Pump

Model:BD-07A 20L

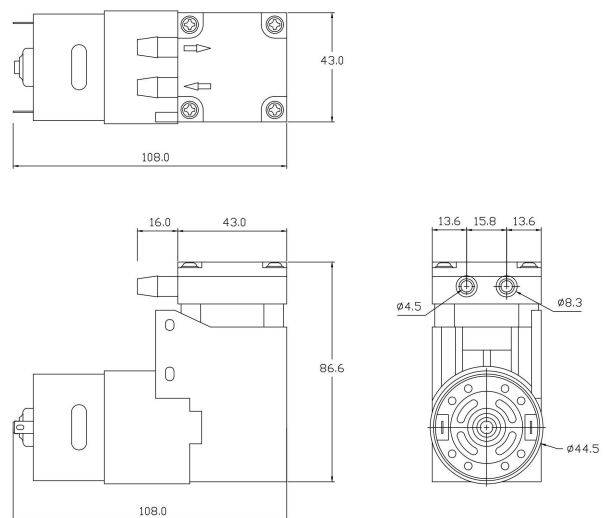
Pneumatic Data	
Maximum Pressure	5 bar (500kPa/-0.050Mpa)
Maximum Flow(@0 kPa)	20L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤3 A
Noise From 30cm	66 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	108x86.6x43 mm
Weight	580 g
Pump Head/Body Material	PPS
Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 5-15 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.

7 Series - Small Piston Air Pump

Model:BD-07A 35L

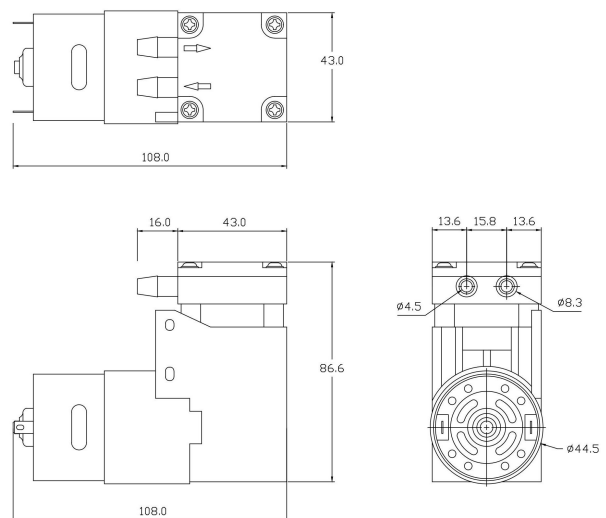
Pneumatic Data	
Maximum Pressure	6 bar (600kPa/-0.060Mpa)
Maximum Flow(@0 kPa)	35L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤4 A
Noise From 30cm	68 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	108x86.6x43 mm
Weight	580 g
Pump Head/Body Material	PPS
Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention



- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 5-15 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

7 Series - Small Piston Air Pump

Model:BD-07AB 15L

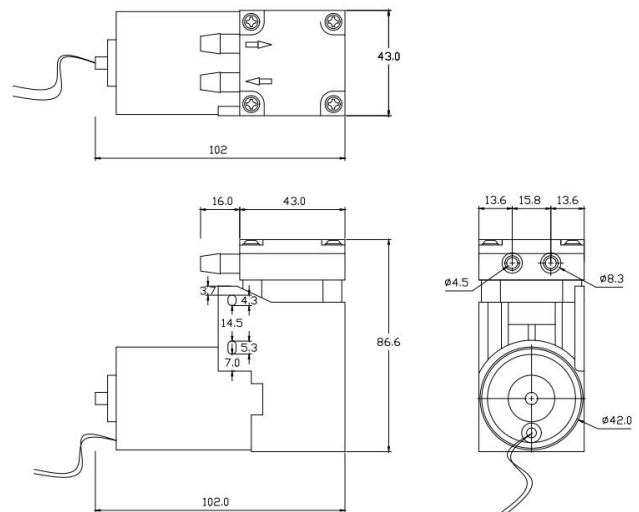
Pneumatic Data	
Maximum Pressure	4.5 bar (450kPa/-0.0450Mpa)
Maximum Flow(@0 kPa)	15L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤2 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	102x86.6x43 mm
Weight	580 g
Pump Head/Body Material	PPS
Valve Material	EPDM
Operating Environment Temperature	5-45°C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 1-2 hours each time.

7 Series - Small Piston Air Pump

Model:BD-07AB 20L

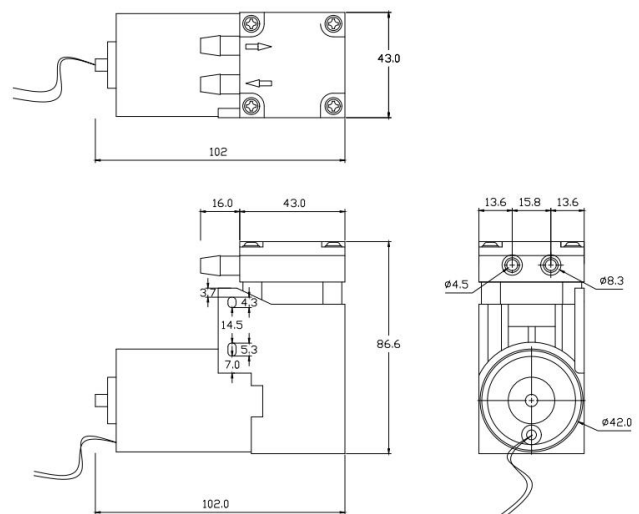
Pneumatic Data	
Maximum Pressure	5 bar (500kPa/-0.050Mpa)
Maximum Flow(@0 kPa)	20L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤3 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	102x86.6x43 mm
Weight	580 g
Pump Head/Body Material	PPS
Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 1-2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.

7 Series - Small Piston Air Pump

Model:BD-07AB 35L

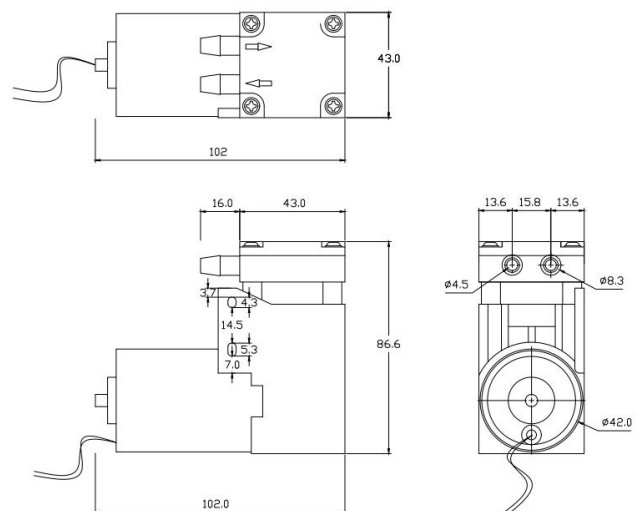
Pneumatic Data	
Maximum Pressure	6 bar (600kPa/-0.060Mpa)
Maximum Flow(@0 kPa)	35L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤4 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	102x86.6x43 mm
Weight	580 g
Pump Head/Body Material	PPS
Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 1-2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.

7 Series - Small Piston Vacuum Pump

Model:BD-07V 15L

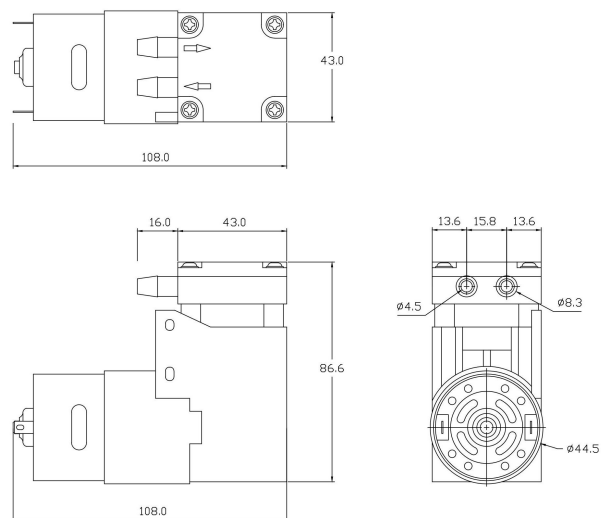
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-80 kPa (-600mmHg/-0.080Mpa)
Maximum Flow(@0 kPa)	15L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤2 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	108x86.6x43 mm
Weight	580 g
Pump Head/Body Material	PPS
Valve Material	EPDM
Operating Environment Temperature	5-45℃



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 5-15 minutes each time.
3. Please do not exceed the maximum specifications required. Otherwise we don't guarantee the product.

7 Series - Small Piston Vacuum Pump

Model:BD-07V 20L

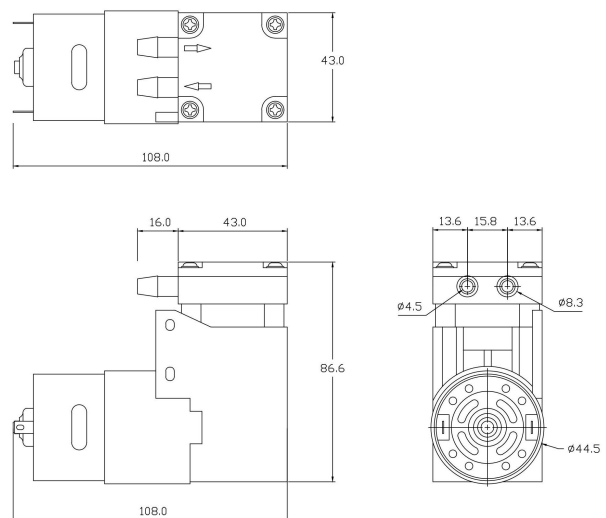
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	20L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤3 A
Noise From 30cm	66 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	108x86.6x43 mm
Weight	580 g
Pump Head/Body Material	PPS
Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 5-15 minutes each time.
3. Please do not exceed the maximum specifications required. Otherwise we don't guarantee the product.

7 Series - Small Piston Vacuum Pump

Model:BD-07V 35L

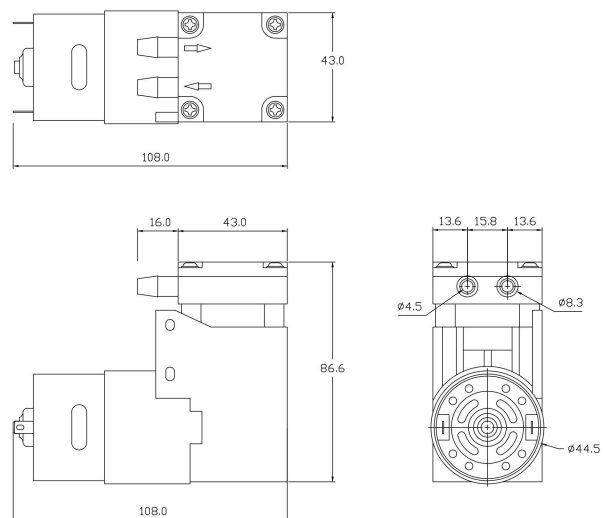
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	35L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤ 4 A
Noise From 30cm	67 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	108x86.6x43 mm
Weight	580 g
Pump Head/Body Material	PPS
Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 5-15 minutes each time.
3. Please do not exceed the maximum specifications required. Otherwise we don't guarantee the product.

7 Series - Small Piston Vacuum Pump

Model:BD-07VB 15L

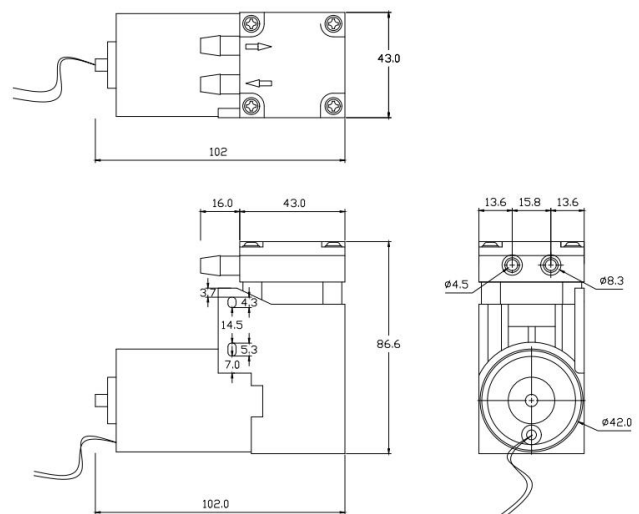
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-80 kPa (-600mmHg/-0.080Mpa)
Maximum Flow(@0 kPa)	15L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤2 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	102x86.6x43 mm
Weight	580 g
Pump Head/Body Material	PPS
Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 1-2 hours each time.

7 Series - Small Piston Vacuum Pump

Model:BD-07VB 20L

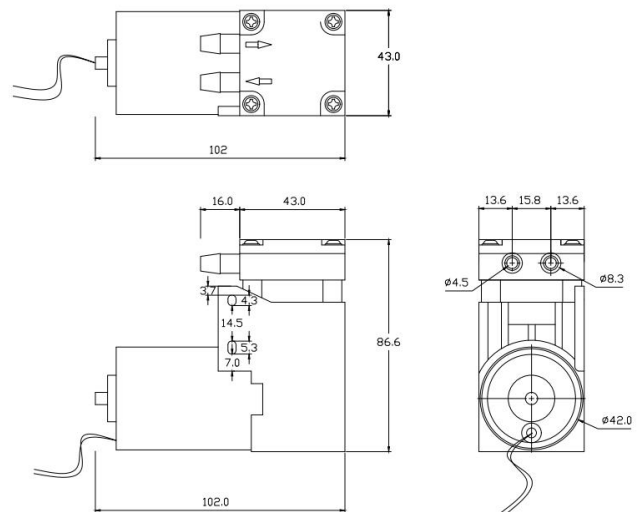
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	20L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤3 A
Noise From 30cm	66 dB
Working Mode	Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	102x86.6x43 mm
Weight	580 g
Pump Head/Body Material	PPS
Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 1-2 hours each time.

7 Series - Small Piston Vacuum Pump

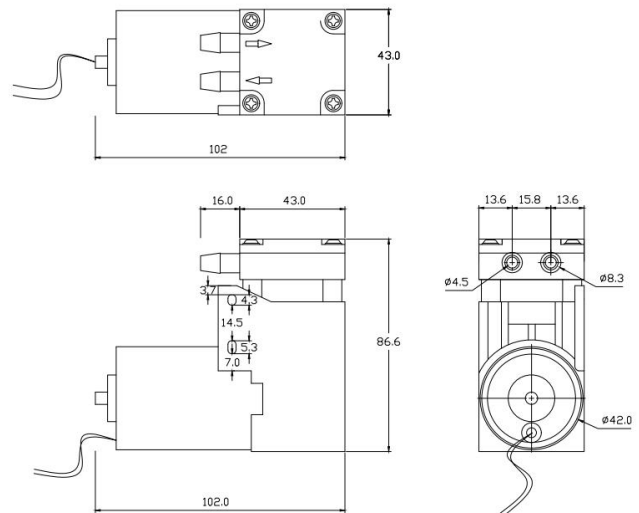
Mechanical Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	35L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤ 4 A
Noise From 30cm	67 dB
Working Mode	Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	102x86.6x43 mm
Weight	580 g
Pump Head/Body Material	PPS
Valve Material	EPDM
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 1-2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

7 Series - Small Piston Air Pump

Model:BD-07A-M 17L

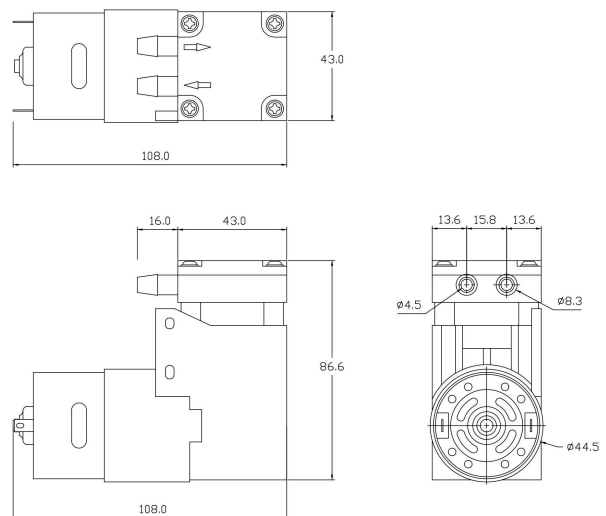
Pneumatic Data	
Maximum Pressure	4.5 bar (450kPa/-0.0450Mpa)
Maximum Flow(@0 kPa)	17L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤2 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	108x86.6x43 mm
Weight	580 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is

7 Series - Small Piston Air Pump

Model:BD-07A-M 25L

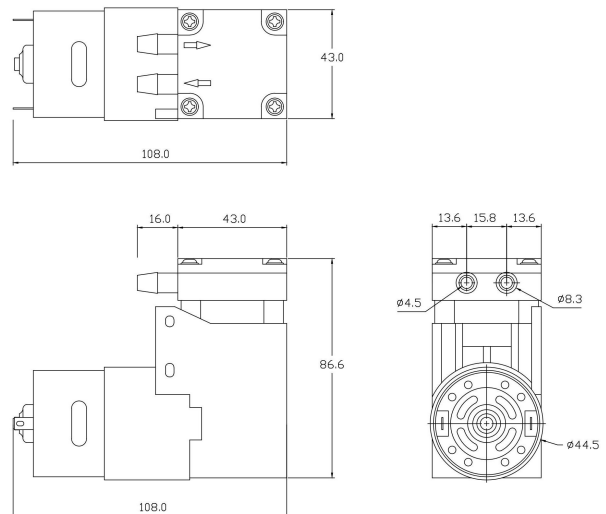
Pneumatic Data	
Maximum Pressure	5 bar (500kPa/-0.050Mpa)
Maximum Flow(@0 kPa)	25L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤3 A
Noise From 30cm	67 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	108x86.6x43 mm
Weight	580 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is

7 Series - Small Piston Air Pump

Model:BD-07A-M 40L

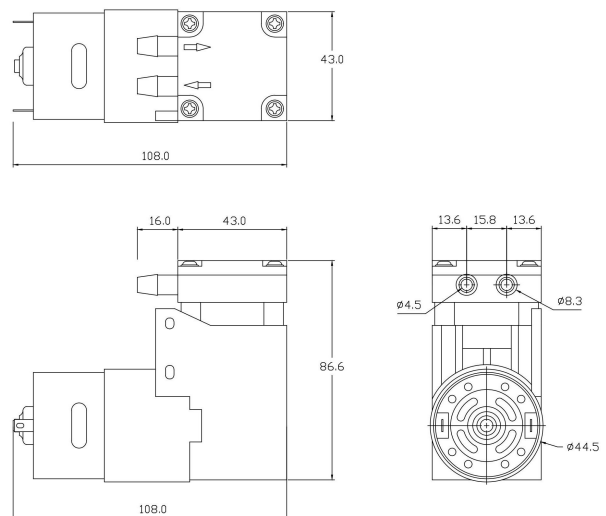
Pneumatic Data	
Maximum Pressure	6.5 bar (650kPa/-0.0650Mpa)
Maximum Flow(@0 kPa)	40L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤4 A
Noise From 30cm	75 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	108x86.6x43 mm
Weight	580 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 5-15 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

7 Series - Small Piston Air Pump

Model:BD-07AB-M 17L

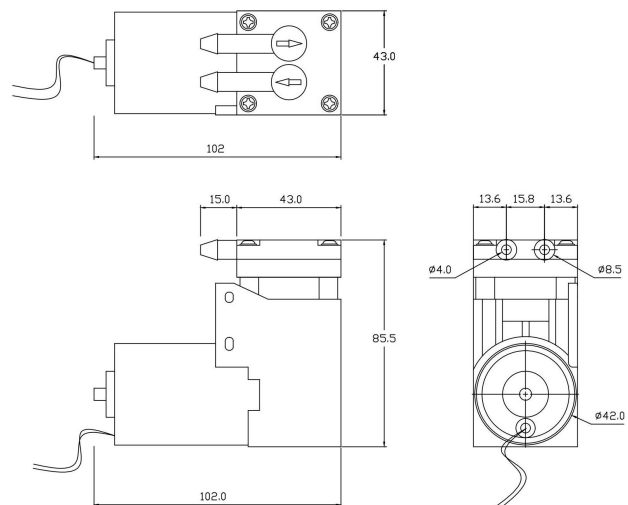
Pneumatic Data	
Maximum Pressure	4.5 bar (450kPa/-0.0450Mpa)
Maximum Flow(@0 kPa)	17L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤2 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ8.5 mm
Dimensions	102x85.5x43 mm
Weight	580 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is

7 Series - Small Piston Air Pump

Model:BD-07AB-M 25L

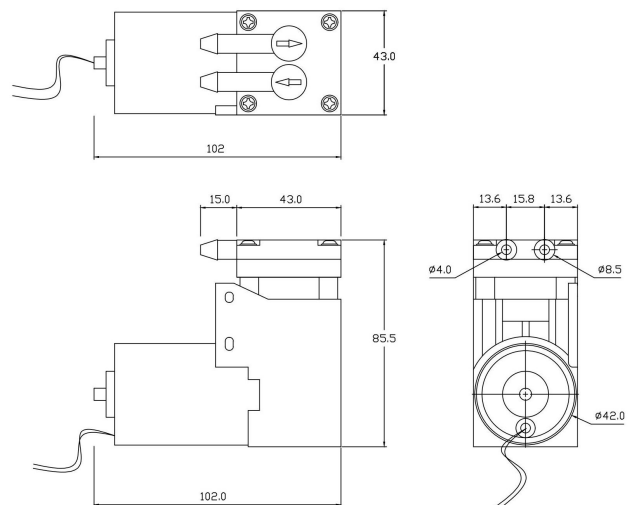
Pneumatic Data	
Maximum Pressure	5 bar (500kPa/-0.050Mpa)
Maximum Flow(@0 kPa)	25L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤3 A
Noise From 30cm	67 dB
Working Mode	Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ8.5 mm
Dimensions	102x85.5x43 mm
Weight	580 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45℃



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 1-2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

7 Series - Small Piston Air Pump

Model:BD-07AB-M 40L

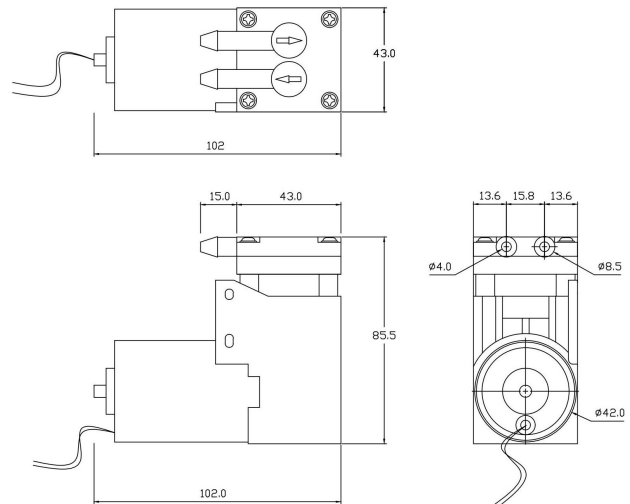
Pneumatic Data	
Maximum Pressure	6.5 bar (650kPa/-0.0650Mpa)
Maximum Flow(@0 kPa)	40L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤4 A
Noise From 30cm	70dB
Working Mode	Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ8.5 mm
Dimensions	102x85.5x43 mm
Weight	580 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 1-2 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

7 Series - Small Piston Vacuum Pump

Model:BD-07V-M 17L

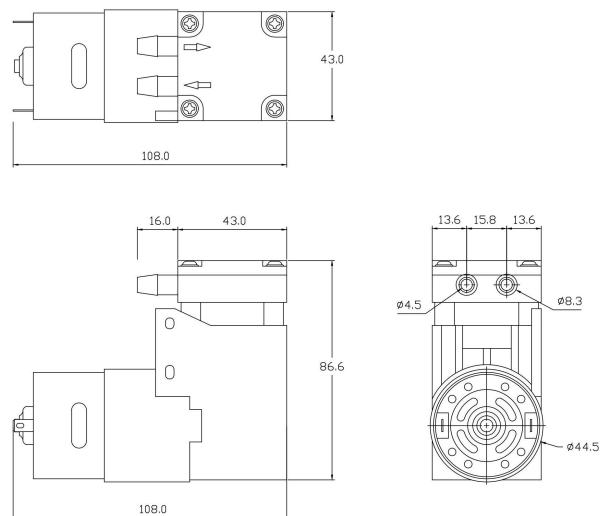
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-80 kPa (-600mmHg/-0.080Mpa)
Maximum Flow(@0 kPa)	17L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤2 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	108x86.6x43 mm
Weight	580 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is

7 Series - Small Piston Vacuum Pump

Model:BD-07V-M 25L

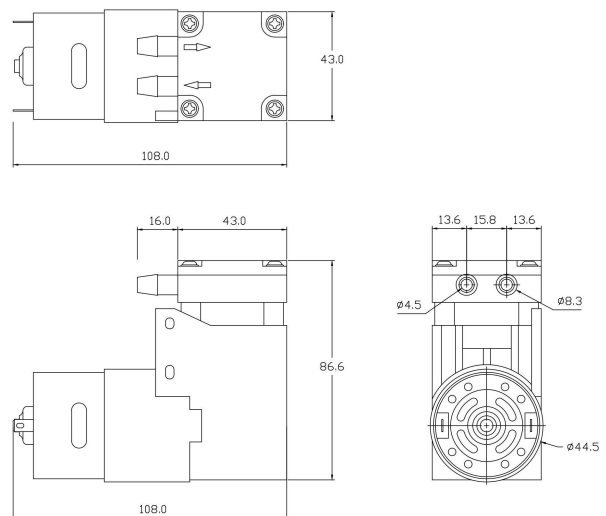
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	25L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤3 A
Noise From 30cm	67 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	108x86.6x43 mm
Weight	580 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 5-10 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

7 Series - Small Piston Vacuum Pump

Model:BD-07V-M 38L

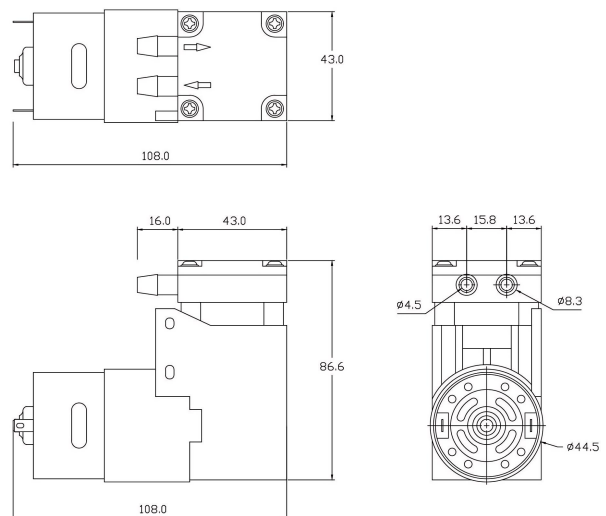
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	38L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤4 A
Noise From 30cm	70 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.5 mm/Φ8.3 mm
Dimensions	108x86.6x43 mm
Weight	580 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 5-10 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

7 Series - Small Piston Vacuum Pump

Model:BD-07VB-M 17L

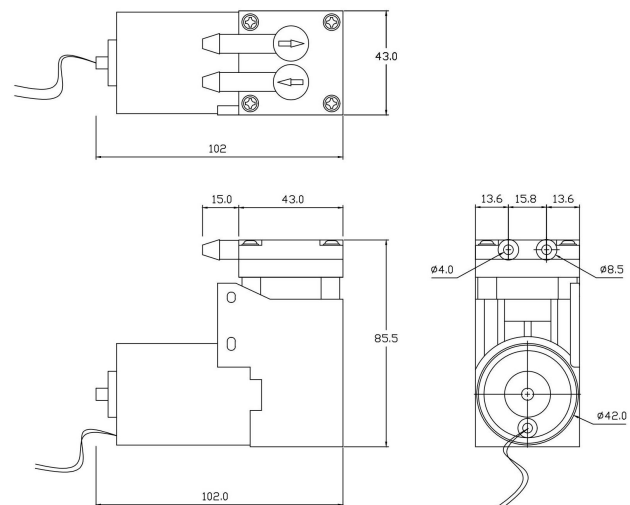
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-80 kPa (-600mmHg/-0.080Mpa)
Maximum Flow(@0 kPa)	17L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤2 A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ8.5 mm
Dimensions	102x85.5x43 mm
Weight	580 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 1-1.5 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

7 Series - Small Piston Vacuum Pump

Model:BD-07VB-M 25L

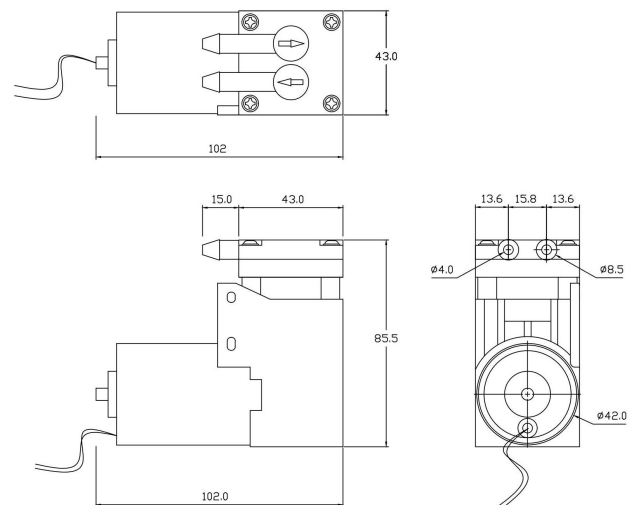
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	25L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤3 A
Noise From 30cm	67 dB
Working Mode	Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ8.5 mm
Dimensions	108x85.5x43 mm
Weight	580 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 1-1.5 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

7 Series - Small Piston Vacuum Pump

Model:BD-07VB-M 38L

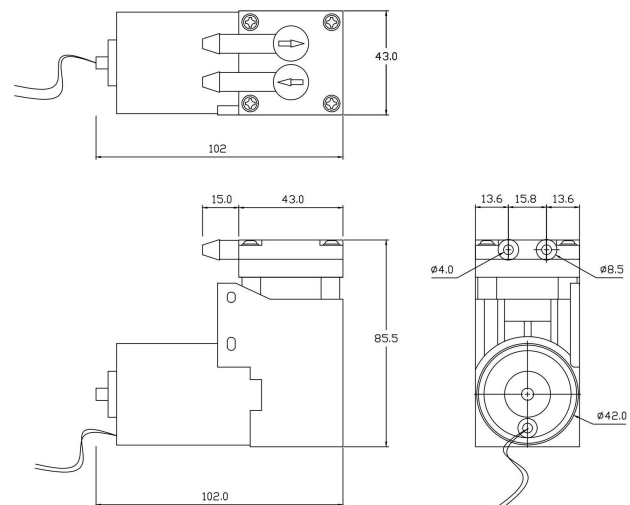
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	38L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤ 4 A
Noise From 30cm	70 dB
Working Mode	Intermittent
Life Time	3000 hours
Other Data	
Inlet/Outlet Diameter	Φ4.0 mm/Φ8.5 mm
Dimensions	102x85.5x43 mm
Weight	580 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brushless motor, operation life of more than 3000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Silicone Shock Bracket, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 3000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 1-1.5 hours each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

79 Series - Small Piston Air Pump

Model:BD-79A-M 40L

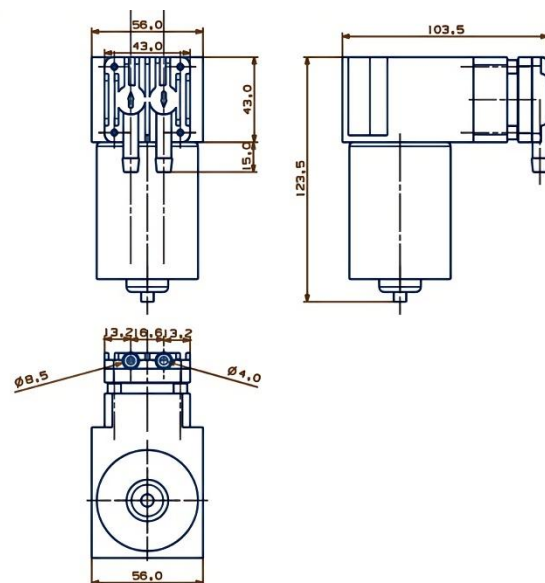
Pneumatic Data	
Maximum Pressure	7 bar (700kPa/-0.070Mpa)
Maximum Flow(@0 kPa)	40L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤4.5 A
Noise From 30cm	66 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.5 mm/Φ4.0 mm
Dimensions	123.5x103.5x56 mm
Weight	800 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Filter, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is

79 Series - Small Piston Air Pump

Model:BD-79A-M 45L

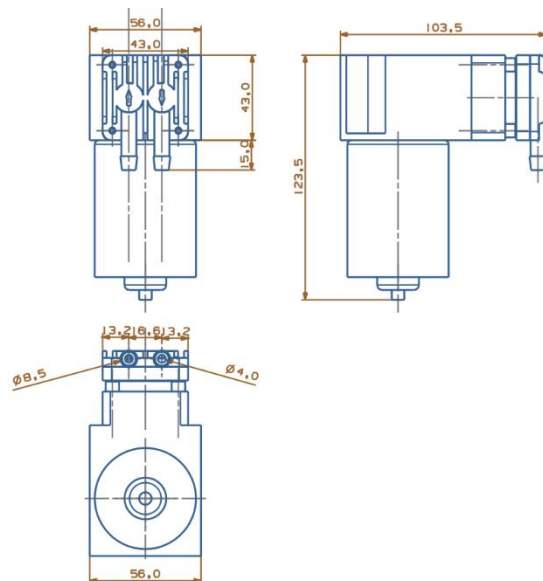
Pneumatic Data	
Maximum Pressure	7 bar (700kPa/-0.070Mpa)
Maximum Flow(@0 kPa)	45L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤5.5 A
Noise From 30cm	69 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.5 mm/Φ4.0 mm
Dimensions	123.5x103.5x56 mm
Weight	800 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Filter, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 5-10 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

79 Series - Small Piston Air Pump

Model:BD-79A-M 50L

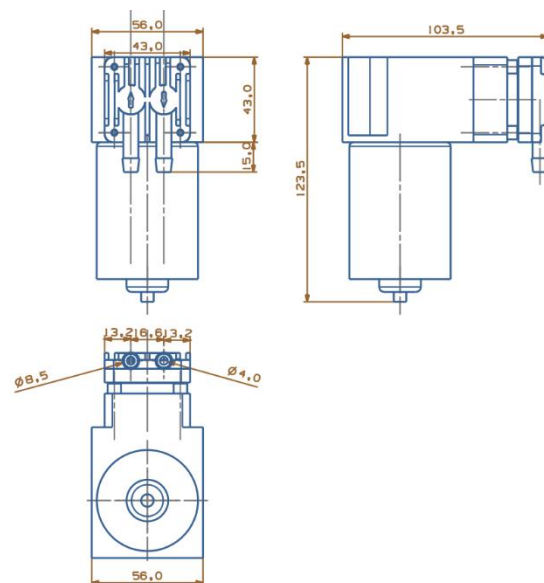
Pneumatic Data	
Maximum Pressure	7 bar (700kPa/-0.070Mpa)
Maximum Flow(@0 kPa)	50L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤6.5 A
Noise From 30cm	72 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.5 mm/Φ4.0 mm
Dimensions	123.5x103.5x56 mm
Weight	800 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air pump, small size , maintenance-free
- Precise production, oilless, high flow, high pressure
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Filter, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 5-10 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

79 Series - Small Piston Vacuum Pump

Model:BD-79V-M 35L

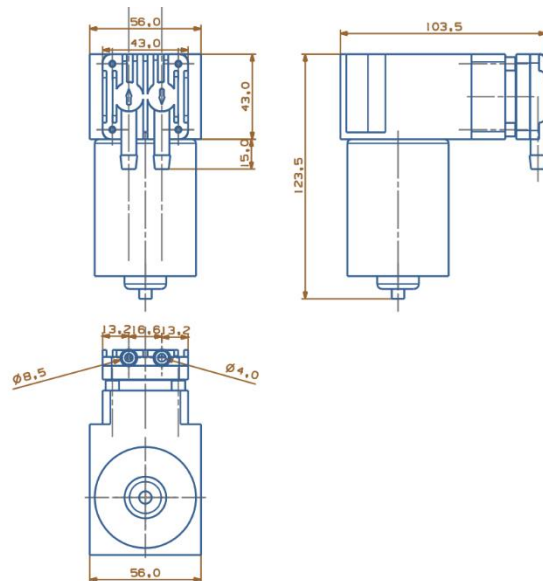
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	35L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤4.5 A
Noise From 30cm	66 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.5 mm/Φ4.0 mm
Dimensions	123.5x103.5x56 mm
Weight	800 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Filter, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is

79 Series - Small Piston Vacuum Pump

Model:BD-79V-M 40L

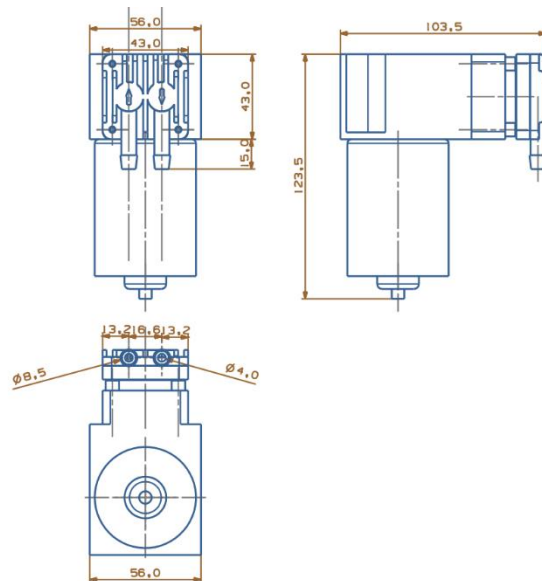
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	40L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤5 A
Noise From 30cm	69 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.5 mm/Φ4.0 mm
Dimensions	123.5x103.5x56 mm
Weight	800 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Filter, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 0-5 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

79 Series - Small Piston Vacuum Pump

Model:BD-79V-M 45L

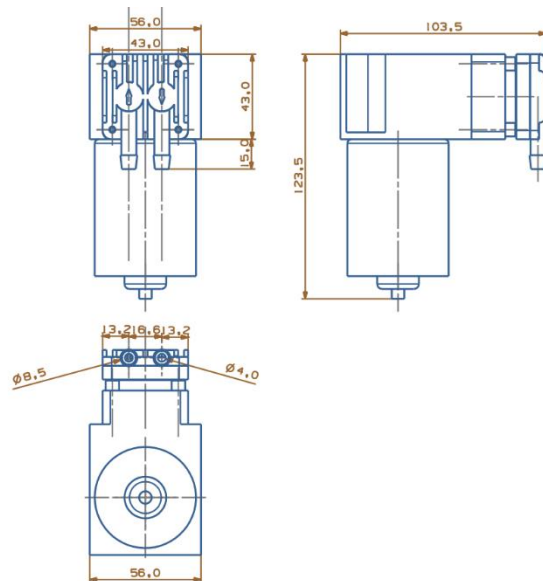
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	45L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤6 A
Noise From 30cm	70 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.5 mm/Φ4.0 mm
Dimensions	123.5x103.5x56 mm
Weight	800 g
Pump Head/Body Material	Aluminum alloy/PPS
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Miniature piston air vacuum pump, small size , maintenance-free
- Precise production, oilless, high flow, high vacuum
- Brush motor, operation life of more than 1000 hours.

Dimensional Outline Drawing (Unit:mm)



Accessories Optional

Check Valve, Filter, Muffler



Usage and Attention

- 1.Red point or red wire on motor marked as Positive pole; Black wire on motor marked as negative pole.
- 2.Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25 °C), it is recommended to work continuously for no more than 0-5 minutes each time.
3. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
4. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
5. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

8 Series - Mini Compressor Air Pump

Model:BD-08A-S 45L 6bar

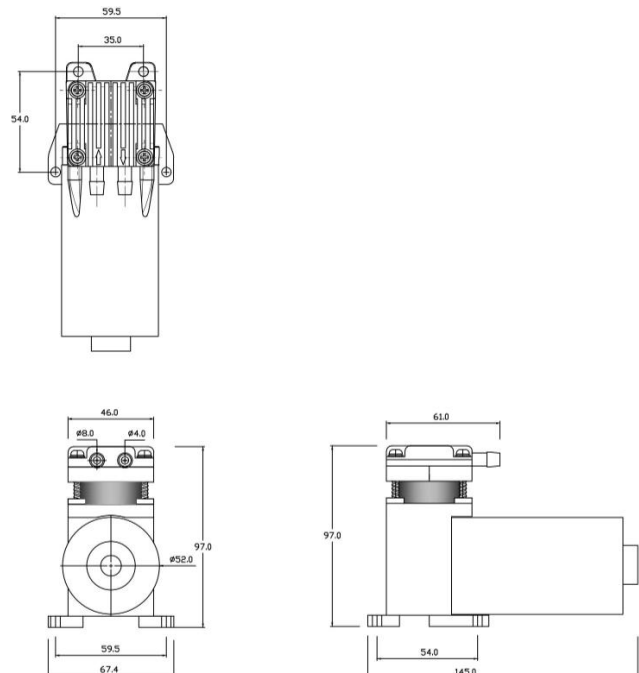
Pneumatic Data	
Maximum Pressure	6 bar (600kPa/-0.060Mpa)
Maximum Flow(@0 kPa)	45L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	24V DC
No-load Current	≤3.5 A
Noise From 30cm	75 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	145x97x61 mm
Weight	1 kg
Pump Material	Aluminium alloy
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brush motor-high flow rate
- Single cylinder piston movement-high pressure
- Aluminum alloy material-High temperature/pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware



Usage and Attention

- 1.Power supply: The starting current is recommended to be 10A, otherwise it cannot be started or is unstable.
- 2.Brush version-Red wire: Positive pole; Blue wire:negative pole.

8 Series - Mini Compressor Air Pump

Model:BD-08A-S 45L 4bar

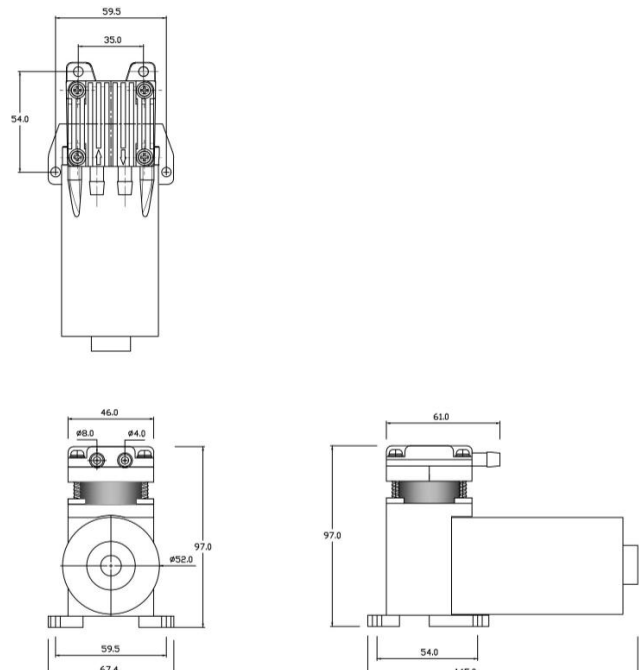
Pneumatic Data	
Maximum Pressure	4 bar (400kPa/-0.040Mpa)
Maximum Flow(@0 kPa)	45L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	24V DC
No-load Current	≤3.5 A
Noise From 30cm	75 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	145x97x61 mm
Weight	1 kg
Pump Material	Aluminium alloy
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brush motor-high flow rate
- Single cylinder piston movement-high pressure
- Aluminum alloy material-High temperature/pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware



Usage and Attention

- 1.Power supply: The starting current is recommended to be 10A, otherwise it cannot be started or is unstable.
- 2.Brush version-Red wire: Positive pole; Blue wire:negative pole.

8 Series - Mini Compressor Air Pump

Model:BD-08A-S 45L 2bar

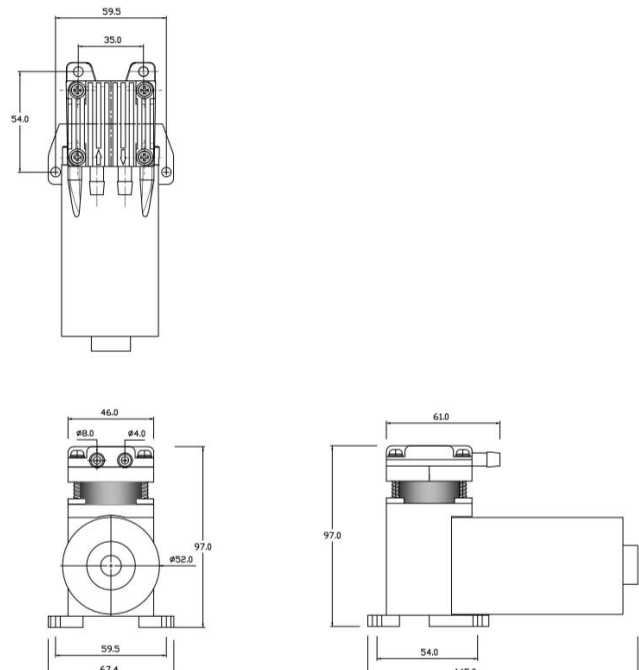
Pneumatic Data	
Maximum Pressure	2 bar (200kPa/-0.020Mpa)
Maximum Flow(@0 kPa)	45L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	24V DC
No-load Current	≤3.5 A
Noise From 30cm	75 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	145x97x61 mm
Weight	1 kg
Pump Material	Aluminium alloy
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brush motor-high flow rate
- Single cylinder piston movement-high pressure
- Aluminum alloy material-High temperature/pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware



Usage and Attention

1. Power supply: The starting current is recommended to be 10A, otherwise it cannot be started or is unstable.
2. Brush version-Red wire: Positive pole; Blue wire:negative pole.
3. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 5-10 minutes each time.
4. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

8 Series - Mini Compressor Air Pump

Model:BD-08AB-S 45L 6bar

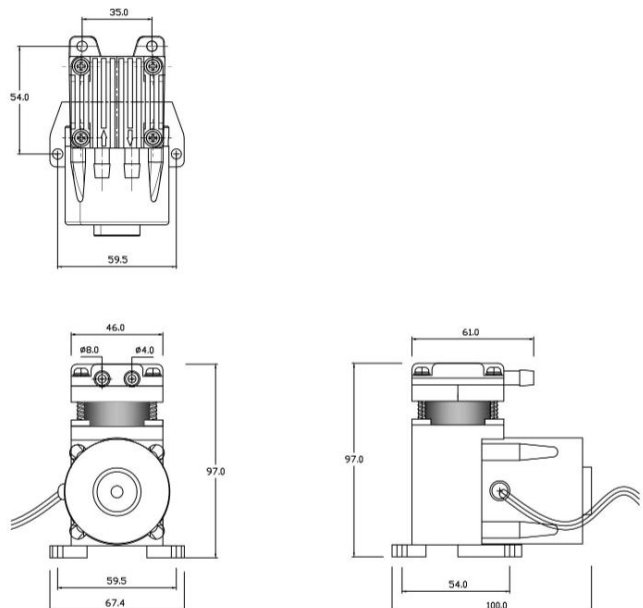
Pneumatic Data	
Maximum Pressure	6 bar (600kPa/-0.060Mpa)
Maximum Flow(@0 kPa)	45L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	24V DC
No-load Current	≤3.5A
Noise From 30cm	75 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	100x97x61 mm
Weight	690 g
Pump Material	Aluminium alloy
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45℃



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brushless motor-high flow rate and long life
- Single cylinder piston movement-high vacuum
- Aluminum alloy material-High temperature/pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware,Control boards



Usage and Attention

1. Power supply: The starting current is recommended to be 10A, otherwise it cannot be started or is unstable.
2. Brushless version-Red wire: Positive pole; Black wire:negative pole; "SP" wire: PWM speed control.
3. Brushless version- Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal

8 Series - Mini Compressor Air Pump

Model:BD-08AB-S 45L 4bar

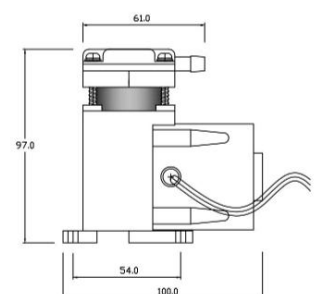
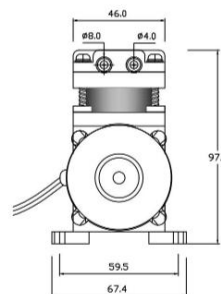
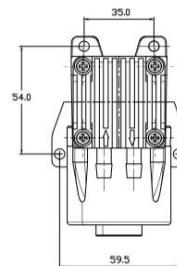
Pneumatic Data	
Maximum Pressure	4 bar (400kPa/-0.040Mpa)
Maximum Flow(@0 kPa)	45L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	24V DC
No-load Current	≤3.5A
Noise From 30cm	75 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	100x97x61 mm
Weight	690 g
Pump Material	Aluminium alloy
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brushless motor-high flow rate and long life
- Single cylinder piston movement-high vacuum
- Aluminum alloy material-High temperature/pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware,Control boards



Usage and Attention

1. Power supply: The starting current is recommended to be 10A, otherwise it cannot be started or is unstable.
2. Brushless version-Red wire: Positive pole; Black wire:negative pole; "SP" wire: PWM speed control.
3. Brushless version- Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 4-8 hours each time.
4. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

8 Series - Mini Compressor Air Pump

Model:BD-08AB-S 45L 2bar

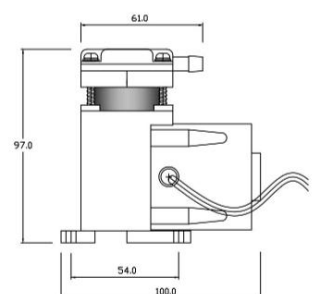
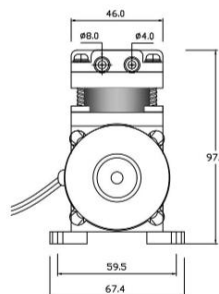
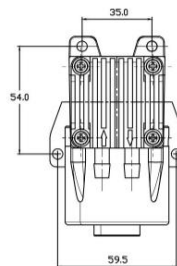
Pneumatic Data	
Maximum Pressure	2 bar (200kPa/-0.020Mpa)
Maximum Flow(@0 kPa)	45L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	24V DC
No-load Current	≤3.5A
Noise From 30cm	75 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	100x97x61 mm
Weight	690 g
Pump Material	Aluminium alloy
Valve Material	High temperature and pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brushless motor-high flow rate and long life
- Single cylinder piston movement-high vacuum
- Aluminum alloy material-High temperature/pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware, Control boards



Usage and Attention

1. Power supply: The starting current is recommended to be 10A, otherwise it cannot be started or is unstable.
2. Brushless version-Red wire: Positive pole; Black wire:negative pole; "SP" wire: PWM speed control.
3. Brushless version- Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 4-8 hours each time.
4. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

8 Series - Mini Compressor Vacuum Pump

Model:BD-08V-S 40L

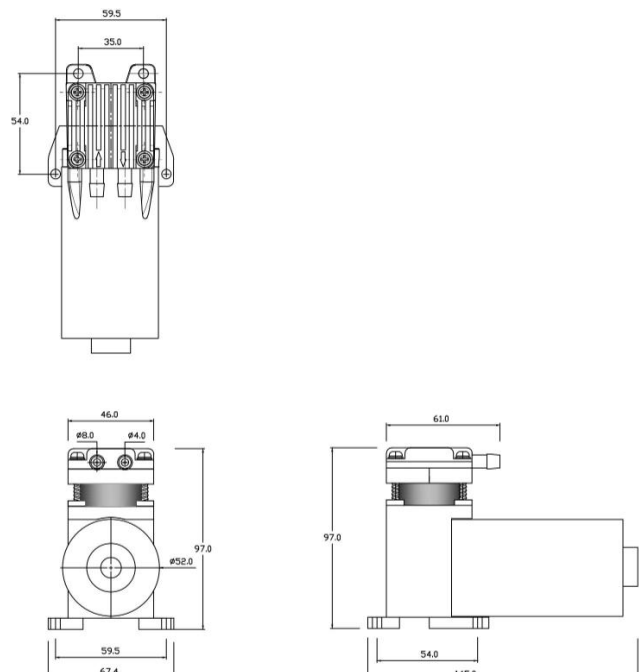
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	40L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	24V DC
No-load Current	10A
Noise From 30cm	65 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	145x97x61 mm
Weight	1 kg
Pump Material	Aluminium alloy
Diaphragm And Valve Material	High temperature-high pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brush motor-high flow rate
- Single cylinder piston movement-high vacuum
- Aluminum alloy material-High temperature/pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware



Usage and Attention

1. Power supply: The starting current is recommended to be 10A, otherwise it cannot be started or is unstable.
2. Brush version-Red wire: Positive pole; Blue wire:negative pole.
3. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 5-10 minutes each time.
4. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

8 Series - Mini Compressor Vacuum Pump

Model:BD-08VB-S 40L -85kPa

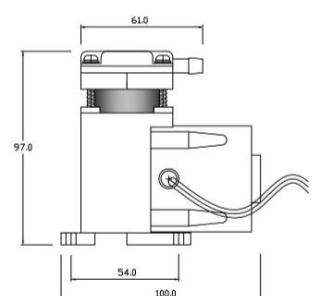
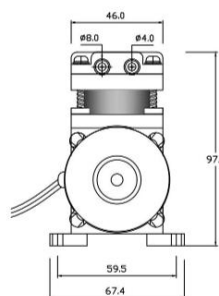
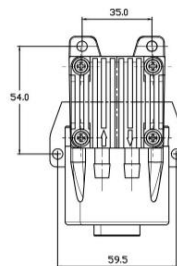
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	40L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	24V DC
No-load Current	≤3.5A
Noise From 30cm	75 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	100x97x61 mm
Weight	690 g
Pump Material	Aluminium alloy
Diaphragm And Valve Material	High temperature-high pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brushless motor-high flow rate and long life
- Single cylinder piston movement-high vacuum
- Aluminum alloy material-High temperature/pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware,Control boards



Usage and Attention

1. Power supply: The starting current is recommended to be 10A, otherwise it cannot be started or is unstable.
2. Brushless version-Red wire: Positive pole; Black wire:negative pole; "SP" wire: PWM speed control.
3. Brushless version- Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 4-8 hours each time.
4. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

8 Series - Mini Compressor Air Pump

Model:BD-08A-D 80L 7bar

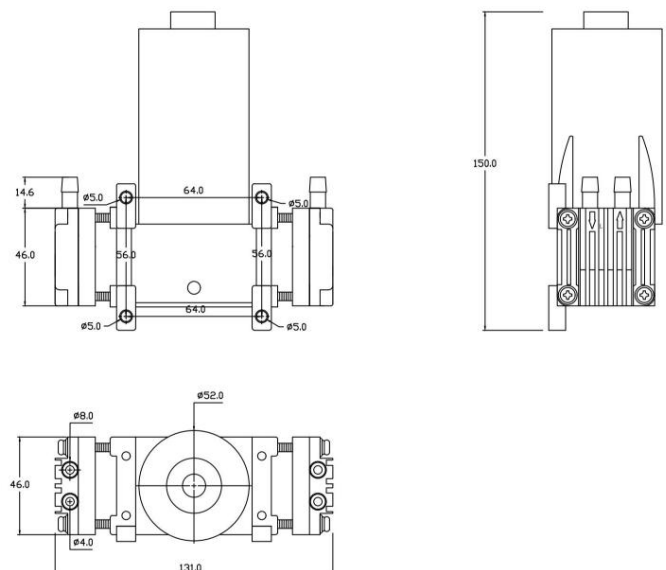
Pneumatic Data	
Maximum Pressure	7 bar (700kPa/-0.070Mpa)
Maximum Flow(@0 kPa)	80L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	24V DC
No-load Current	≤5A
Noise From 30cm	75 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	131x150x46 mm
Weight	1.18kg
Pump Material	Aluminium alloy
Valve Material	High temperature-high pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brush motor-high flow rate
- Double cylinder piston movement-high pressure
- Aluminum alloy material-High temperature /pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware



Usage and Attention

1. Power supply: The starting current is recommended to be 15A, otherwise it cannot be started or is unstable.
2. Brush version-Red wire: Positive pole; Blue wire:negative pole.

8 Series - Mini Compressor Air Pump

Model:BD-08A-D 80L 5bar

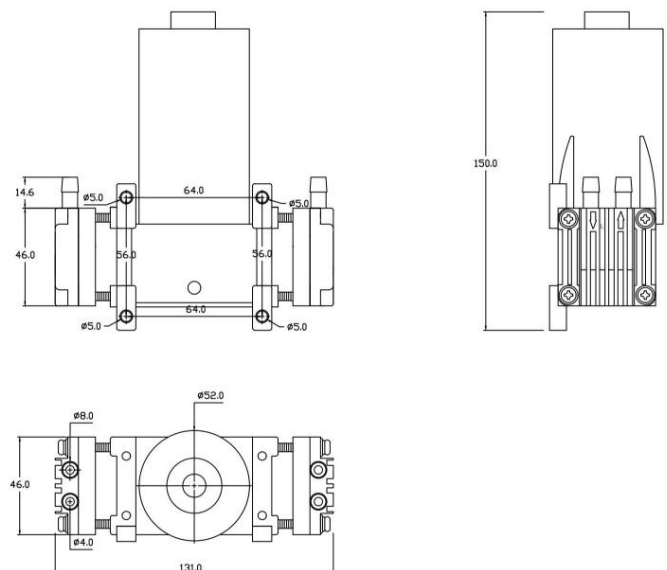
Pneumatic Data	
Maximum Pressure	5 bar (500kPa/-0.050Mpa)
Maximum Flow(@0 kPa)	80L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	24V DC
No-load Current	≤5 A
Noise From 30cm	75 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	131x150x46 mm
Weight	1.18kg
Pump Material	Aluminium alloy
Valve Material	High temperature-high pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brush motor-high flow rate
- Double cylinder piston movement-high pressure
- Aluminum alloy material-High temperature /pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware



Usage and Attention

1. Power supply: The starting current is recommended to be 15A, otherwise it cannot be started or is unstable.
2. Brush version-Red wire: Positive pole; Blue wire:negative pole.
3. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 5-10 minutes each time.
4. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

8 Series - Mini Compressor Air Pump

Model:BD-08A-D 80L 2bar

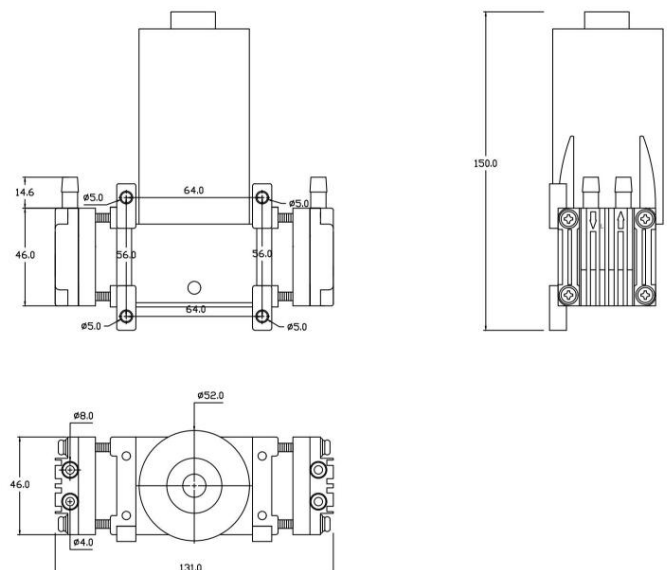
Pneumatic Data	
Maximum Pressure	2 bar (200kPa/-0.020Mpa)
Maximum Flow(@0 kPa)	80L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	24V DC
No-load Current	≤5A
Noise From 30cm	75 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	131x150x46 mm
Weight	1.18kg
Pump Material	Aluminium alloy
Valve Material	High temperature-high pressure resistance
Operating Environment Temperature	5-45℃



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brush motor-high flow rate
- Double cylinder piston movement-high pressure
- Aluminum alloy material-High temperature /pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware



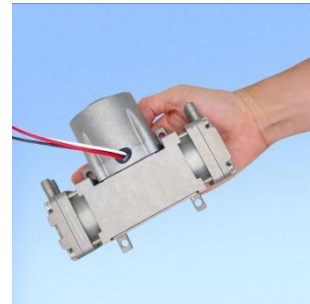
Usage and Attention

1. Power supply: The starting current is recommended to be 15A, otherwise it cannot be started or is unstable.
2. Brush version-Red wire: Positive pole; Blue wire:negative pole.
3. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 5-10 minutes each time.
4. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

8 Series - Mini Compressor Air Pump

Model:BD-08AB-D 80L 7bar

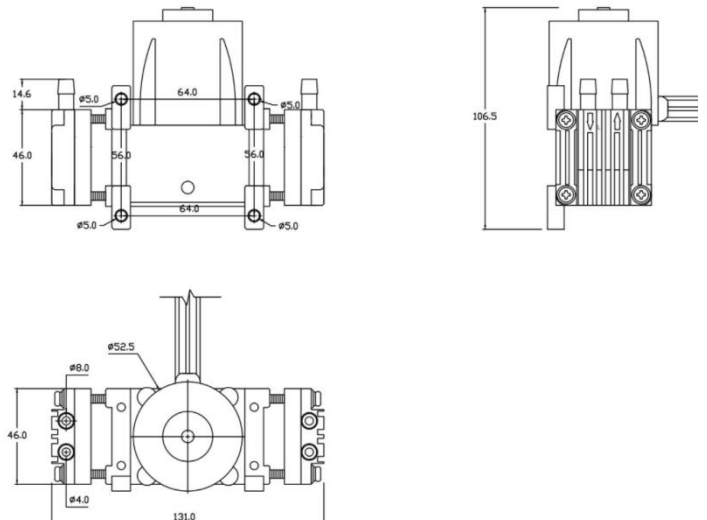
Pneumatic Data	
Maximum Pressure	7 bar (700kPa/-0.070Mpa)
Maximum Flow(@0 kPa)	80L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤4.5A
Noise From 30cm	75 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	131x150x46 mm
Weight	803 g
Pump Material	Aluminium alloy
Valve Material	High temperature-high pressure resistance
Operating Environment Temperature	5-45℃



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brushless motor-high flow rate and long life
- Double cylinder piston movement-high vacuum
- Aluminum alloy material-High temperature/pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware,Control boards



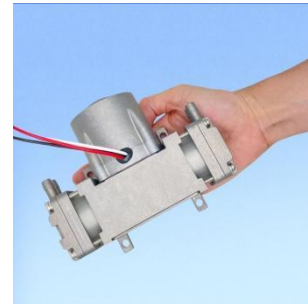
Usage and Attention

1. Power supply: The starting current is recommended to be 15A, otherwise it cannot be started or is unstable.
2. Brushless version-Red wire: Positive pole; Black wire:negative pole; "SP" wire :PWM speed control.

8 Series - Mini Compressor Air Pump

Model:BD-08AB-D 80L 5bar

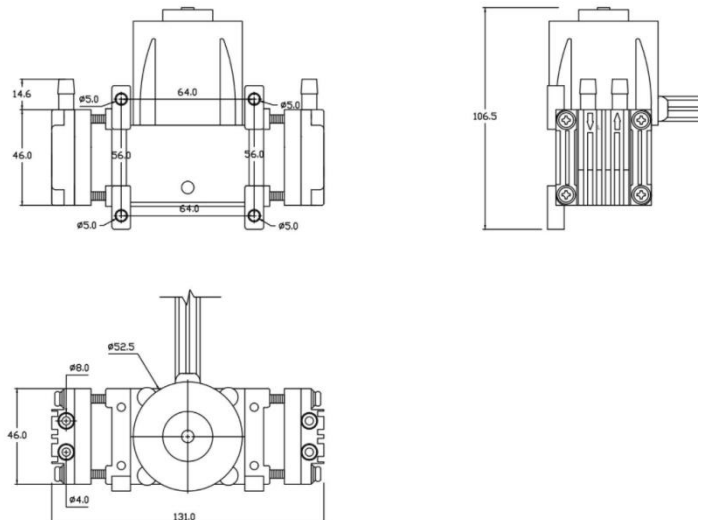
Pneumatic Data	
Maximum Pressure	5 bar (500kPa/-0.050Mpa)
Maximum Flow(@0 kPa)	80L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤4.5A
Noise From 30cm	75 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	131x150x46 mm
Weight	803 g
Pump Material	Aluminium alloy
Valve Material	High temperature-high pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brushless motor-high flow rate and long life
- Double cylinder piston movement-high vacuum
- Aluminum alloy material-High temperature/pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware, Control boards



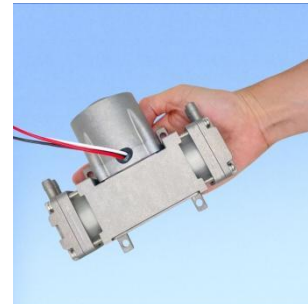
Usage and Attention

1. Power supply: The starting current is recommended to be 15A, otherwise it cannot be started or is unstable.
2. Brushless version-Red wire: Positive pole; Black wire:negative pole; "SP" wire: PWM speed control.
3. Brushless version- Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 4-8 hours each time.
4. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

8 Series - Mini Compressor Air Pump

Model:BD-08AB-D 80L 2bar

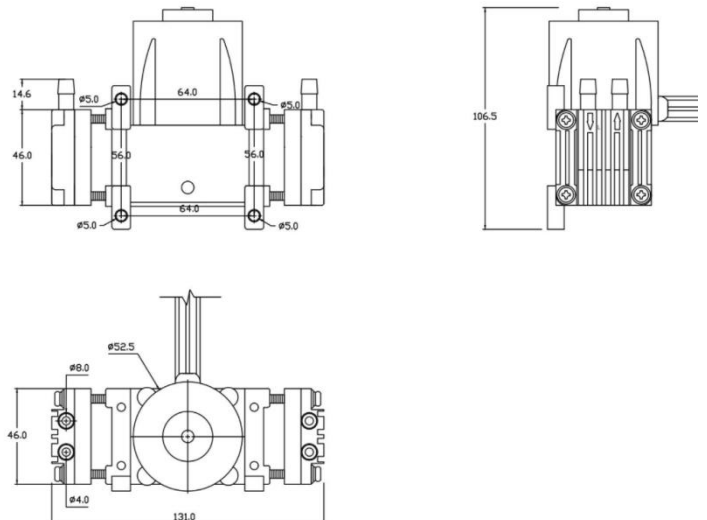
Pneumatic Data	
Maximum Pressure	2 bar (200kPa/-0.020Mpa)
Maximum Flow(@0 kPa)	80L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	12V DC
No-load Current	≤4.5A
Noise From 30cm	75 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	131x150x46 mm
Weight	803 g
Pump Material	Aluminium alloy
Valve Material	High temperature-high pressure resistance
Operating Environment Temperature	5-45 °C



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brushless motor-high flow rate and long life
- Double cylinder piston movement-high vacuum
- Aluminum alloy material-High temperature/pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware, Control boards



Usage and Attention

1. Power supply: The starting current is recommended to be 15A, otherwise it cannot be started or is unstable.
2. Brushless version-Red wire: Positive pole; Black wire:negative pole; "SP" wire: PWM speed control.
3. Brushless version- Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 4-8 hours each time.
4. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

8 Series - Mini Compressor Vacuum Pump

Model:BD-08V-D 70L -85kPa

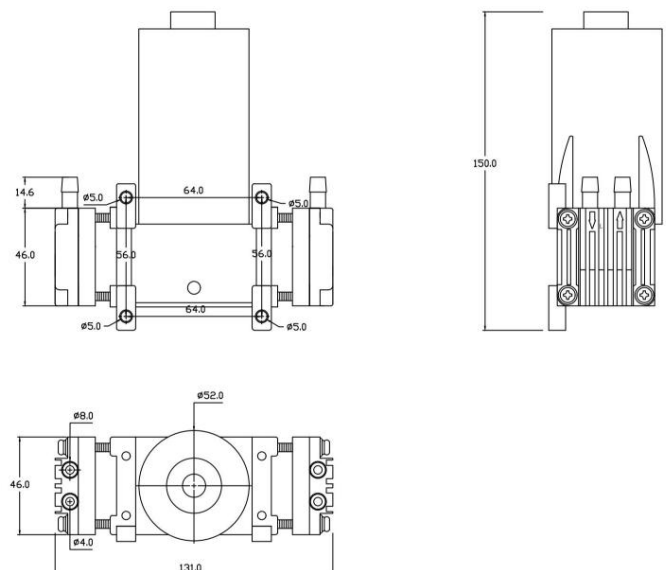
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	70L/min
Electrical Data	
Motor Type	DC Brush Motor
Rated Voltage	12V DC
No-load Current	≤5A
Noise From 30cm	75 dB
Working Mode	Intermittent
Life Time	1000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	131x150x46 mm
Weight	1.18kg
Pump Material	Aluminium alloy
Valve Material	High temperature-high pressure resistance
Operating Environment Temperature	5-45℃



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brush motor-high flow rate
- Double cylinder piston movement-high vacuum
- Aluminum alloy material-High temperature /pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware



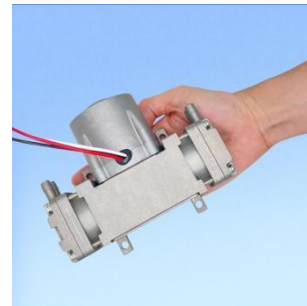
Usage and Attention

1. Power supply: The starting current is recommended to be 15A, otherwise it cannot be started or is unstable.
2. Brush version-Red wire: Positive pole; Blue wire:negative pole.
3. Expected lifetime: approx 1000 hours with continuous running under condition of rated voltage and normal temperature (25℃), it is recommended to work continuously for no more than 5-10 minutes each time.
4. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
5. This product does not guarantee lifetime and defective products due to get into of dust, water droplets, bugs.
6. Impurities in prohibited from entering the motor and water droplets, In order to avoid to cause product performance unstable and damage products.

8 Series - Mini Compressor Vacuum Pump

Model:BD-08VB-D 70L -85kPa

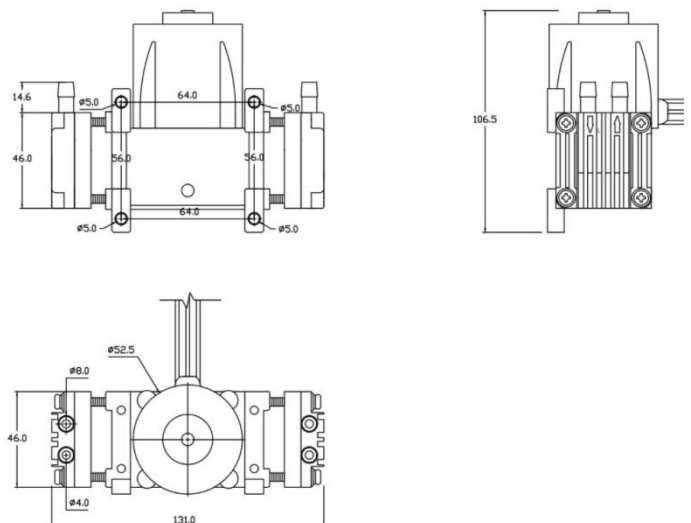
Pneumatic Data	
Maximum Vacuum (Negative Pressure)	-85 kPa (-638mmHg/-0.0850Mpa)
Maximum Flow(@0 kPa)	70L/min
Electrical Data	
Motor Type	DC Brushless Motor
Rated Voltage	24V DC
No-load Current	≤4.5 A
Noise From 30cm	75 dB
Working Mode	Continuous or Intermittent
Life Time	5000 hours
Other Data	
Inlet/Outlet Diameter	Φ8.0 mm/Φ4.0 mm
Dimensions	131x150x46 mm
Weight	803 g
Pump Material	Aluminium alloy
Valve Material	High temperature-high pressure resistance
Operating Environment Temperature	5-45℃



Features

- Compact design-small size and light weight
- DC power-low power
- High torque brushless motor-high flow rate
- Double cylinder piston movement-high vacuum
- Aluminum alloy material-High temperature /pressure resistance
- Multipurpose-can be suction and Inflatable
- Patented product-core competitiveness

Dimensional Outline Drawing (Unit:mm)



Sample Accessories

Test tubes, Mufflers, Hardware,Control boards



Usage and Attention

1. Power supply: The starting current is recommended to be 15A, otherwise it cannot be started or is unstable.
2. Brushless version-Red wire: Positive pole; Black wire:negative pole; "SP" wire: PWM speed control.
3. Brushless version- Expected lifetime: approx 5000 hours with continuous running under condition of rated voltage and normal temperature (25°C), it is recommended to work continuously for no more than 4-8 hours each time.
4. Please do not exceed the maximum specifications required , Otherwise we don't guarantee the product.
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