

Air & Gas Pumps

These small air pumps work on vibrating armature principal. Due to their simpler design, construction & fewer moving parts, these small diaphragm pumps can perform maintenance-free for very long time. Typical life expectancy is 25,000 hours & higher depending upon the specific application, which is virtually impossible to achieve from DC motor pumps including brushless motors. These small air pumps can be used in pressure as well as vacuum mode. These air pumps are available in AC power (12 V, 24 V, 115 V, 220 V) or DC power (12 V, 24 V) to suit customer's needs.

Pulse Width Modulation (PWM) option is available on certain DC volt version pumps. This unique feature is highly desirable for applications requiring precise control of the pump output.

FEATURES

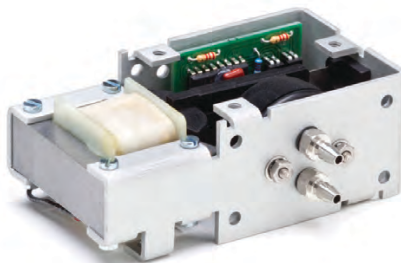
- ✓ Lightweight
- ✓ Low Noise
- ✓ 100% Oil Free
- ✓ Continuous Run
- ✓ Life 25,000 Hours & Higher



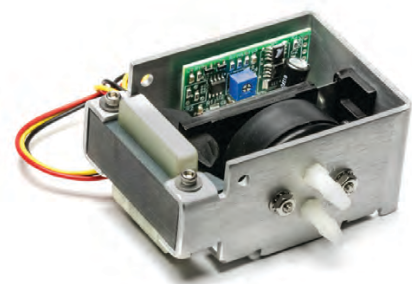
BP-101



BP-202



BP-303



BP-505

BP Small Diaphragm Pumps

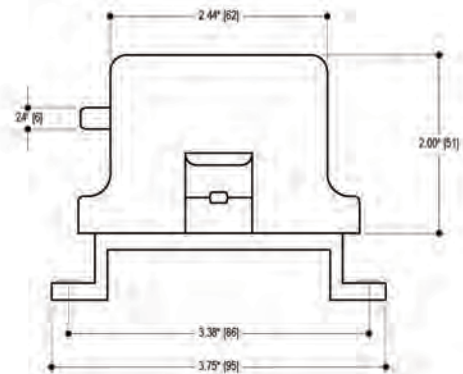
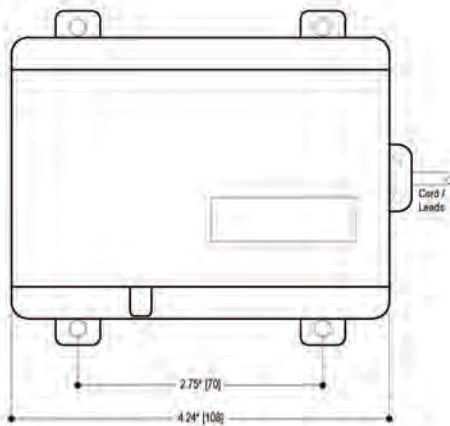
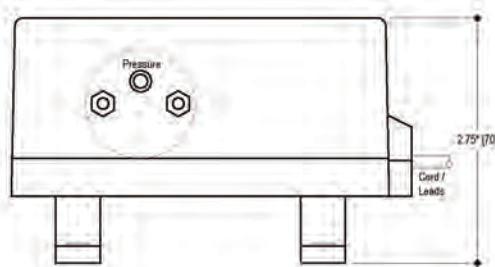
Model	Flow (L/min)	Pressure (bar)	Vacuum (bar)	Voltage (AC)	Voltage (DC)	Power (W)	Weight (g)	Dimensions (mm)
BP-101	4.5	0.6	—	24/115/220	12/24	5.0	500	106x95x70
BP-202	4.5	0.6	- 0.4	24/115/220	12/24	5.0	500	106x95x70
BP-303	4.5	0.6	- 0.4	24/115/220	12/24	5.0	400	101x80x55
BP-505	3.0	0.4	- 0.3	12/24	12/24	3.5	210	76x54x38

BP-101 Air & Gas Pump



TECHNICAL DATA

- ✓ Flow (L/min): 4.5
- ✓ Pressure (bar): 0.6
- ✓ Vacuum (bar): —
- ✓ Voltage (AC): 24/115/220
- ✓ Voltage (DC): 12/24
- ✓ Power (W): 5.0
- ✓ Weight (g): 500
- ✓ Dimensions (mm): 106x95x70



BP-202 Air & Gas Pump



TECHNICAL DATA

- ✓ Flow (L/min): 4.5
- ✓ Pressure (bar): 0.6
- ✓ Vacuum (bar): - 0.4
- ✓ Voltage (AC): 24/115/220
- ✓ Voltage (DC): 12/24
- ✓ Power (W): 5.0
- ✓ Weight (g): 500
- ✓ Dimensions (mm): 106x95x70

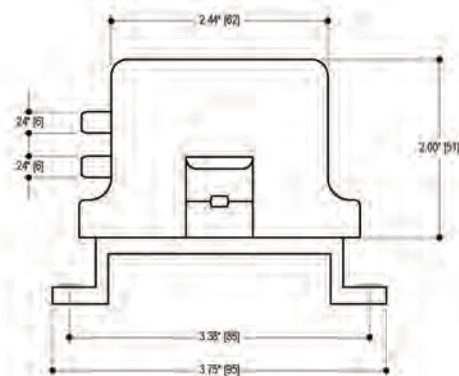
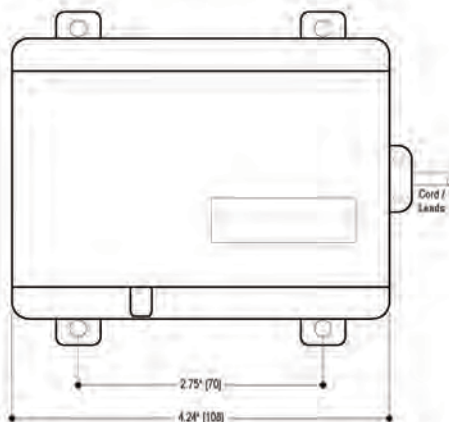
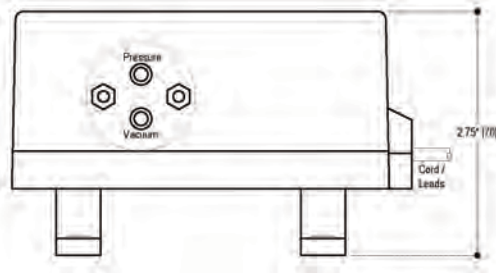
WIRING INSTRUCTIONS FOR BRUSHLESS MOTOR:

RED: +ve

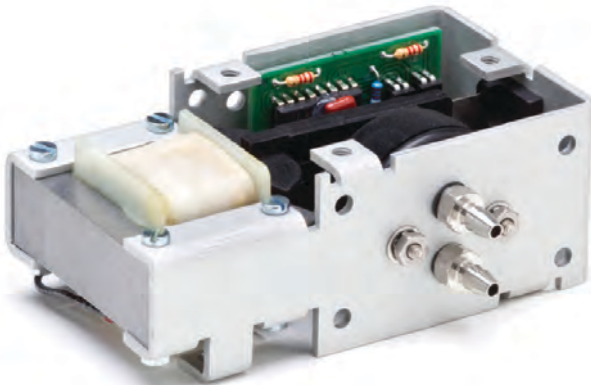
BLACK: -ve

YELLOW: PWM (Pulse Width Modulation) 0-5 V analog signal

* Red and Yellow wires may be joined together if PWM function is not needed.



BP-303 Air & Gas Pump



TECHNICAL DATA

- ✓ Flow (L/min): 4.5
- ✓ Pressure (bar): 0.6
- ✓ Vacuum (bar): - 0.4
- ✓ Voltage (AC): 24/115/220
- ✓ Voltage (DC): 12/24
- ✓ Power (W): 5.0
- ✓ Weight (g): 400
- ✓ Dimensions (mm): 101x80x55

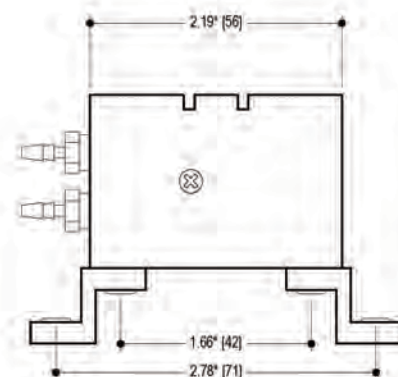
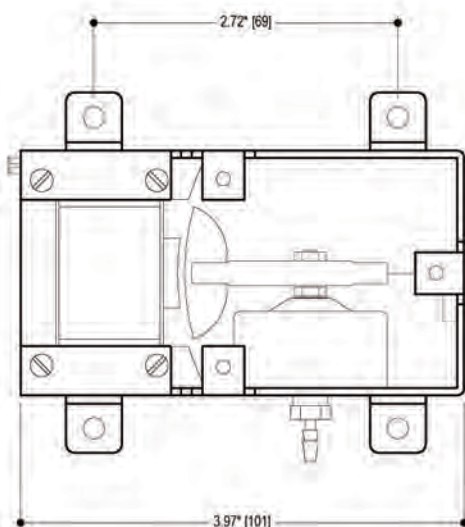
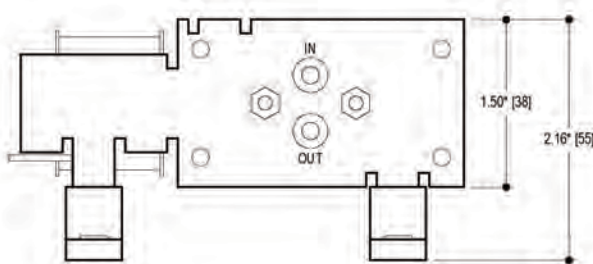
WIRING INSTRUCTIONS FOR BRUSHLESS MOTOR:

RED: +ve

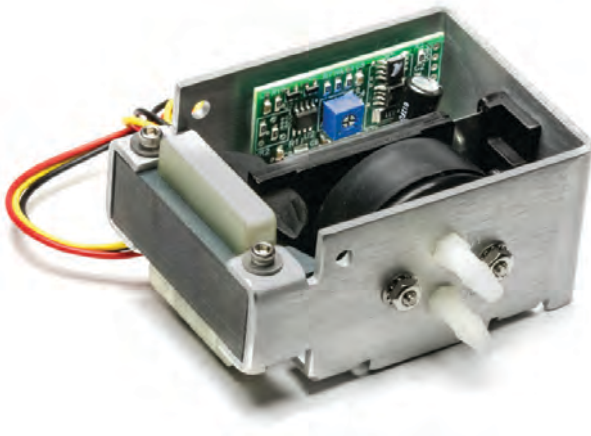
BLACK: -ve

YELLOW: PWM (Pulse Width Modulation) 0-5 V analog signal

* Red and Yellow wires may be joined together if PWM function is not needed.



BP-505 Air & Gas Pump



TECHNICAL DATA

- ✓ Flow (L/min): 3.0
- ✓ Pressure (bar): 0.4
- ✓ Vacuum (bar): - 0.3
- ✓ Voltage (AC): 12/24
- ✓ Voltage (DC): 12/24
- ✓ Power (W): 3.5
- ✓ Weight (g): 210
- ✓ Dimensions (mm): 76x54x38

WIRING INSTRUCTIONS FOR BRUSHLESS MOTOR:

RED: +ve

BLACK: -ve

YELLOW: PWM (Pulse Width Modulation) 0-5 V analog signal

* Red and Yellow wires may be joined together if PWM function is not needed.

