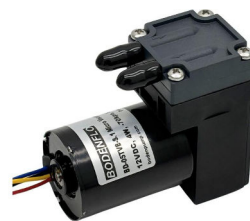


BD - 05T Series - Micro Diaphragm Pump

Model:BD-05TVB-S.1

Performance Data	
Model	BD-05TVB-S.1
Voltage range	12/24V
Maximum flow	5.5L/min
Maximum negative pressure	-70KPa
Max positive pressure	1~1.5Bar
Motor Data	
Motor type	DC brushless motor
Max power	4W
Waterproof lever	IP20
Physical Properties	
Storage temperature	-40℃~60℃
Operating environment	-20℃~50℃
Medium temperature	-10℃~45℃
Material	
Head of pump	PPS
Diaphragm	EPDM(Customized FKM)
Valve	EPDM(Customized FKM)
Pump body	Nylon
Dimension	60.4*32*55mm
Weight	148g



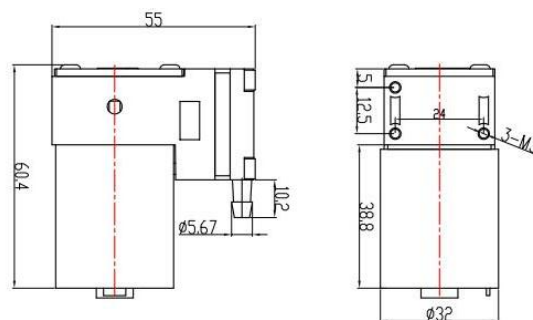
Features

Optimized pump body to ensure small volume, provide large flow and maintain relatively low power consumption.

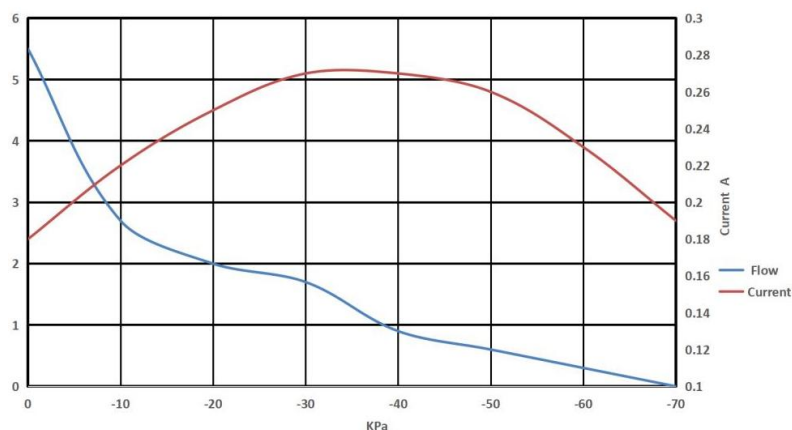
The gas flow is stable and the motor runs in a wide range.

- High performance
- Dc brushless motor lifetime 8000hours
- Imported ball bearing material design
- Professional seal design ensures low leakage rate
- Pollution-free sample gas
- High quality imported EPDM and FKM rubber materials, withstand a variety of gas corrosion

Drawing(mm)



Curve



Wiring instructions

- **Red wire:** Power positive
- **Black wire:** Negative power supply
- **Blue wire:** PWM (connected to positive full speed)
Speed Control Negative Duty Cycle Range 4%-100%
The recommended output PWM frequency is 20K.
- **Yellow wire:** FG, 5V pulse signal, 3Pulse/Cycle
0-5V TTL Pulse