

BD - 05T Series - Micro Diaphragm Pump

Model:BD-05TVB-S

Performance Data	
Model	BD-05TVB-S
Voltage range	12/24V
Maximum flow	4.6L/min (float flow meter) 3L/min (Electronic flow meter)
Maximum negative pressure	-70KPa
Max positive pressure	1~1.5Bar
Motor Data	
Motor type	High-end DC brushless motor
Max power	5W
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



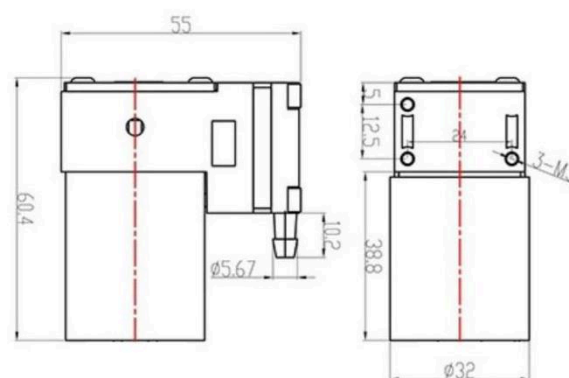
Features

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

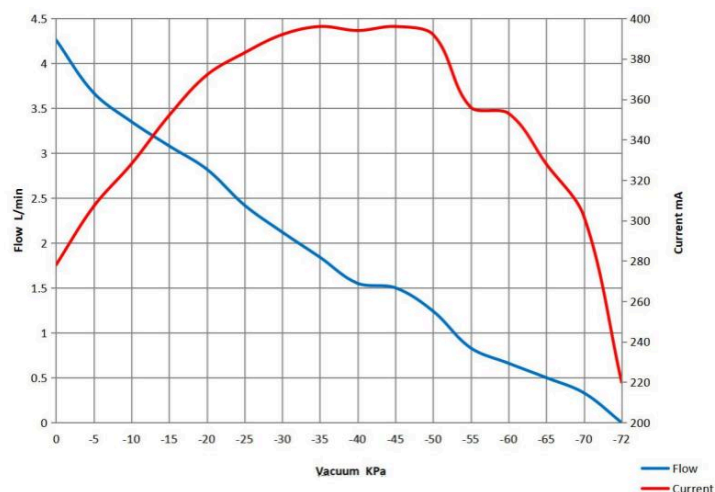
The gas flow is stable and the motor runs in a wide range.

- High performance
- Dc brushless motor lifetime 10000hours
- Imported ball bearing material design
- Professional seal design ensures low leakage rate
- Pollution-free sample gas
- High quality imported EPDM and PTFE/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)
- 0-5V,15K~25K
- Yellow wire: FG, 1Pulse/Cycle,0 to 5V TTL pulses