

# BD - 05T Series - Micro Diaphragm Pump

## Model:BD-05T055L

Performance Data	
Model( for Standard)	BD-05T055L
Voltage Range	12/24V
Maximum Flow	5L/min
Maximum negative pressure	≥-98Kpa
Max positive pressure	1-1.5bar
Motor Data	
Motor type	High-end DC brushless motor
Max power	11W
Waterproof lever	IP40
Physical Properties	
Storage temperature	-40℃~60℃
Operating environment	-20℃~50℃
Material	
Head of pump	PPS
Diaphragm/Valve	EPDM (Customized FKM )
Pump body	PPS
Dimension	113*32*76mm
Weight	327g

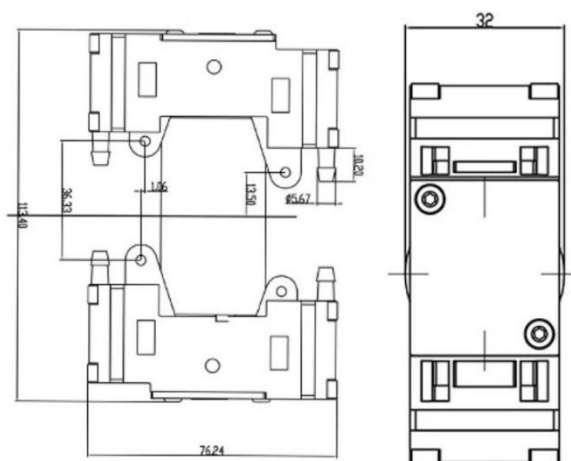


### Features

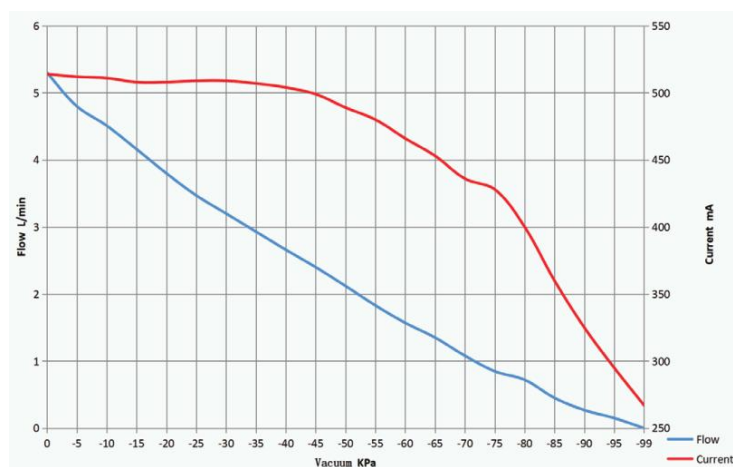
Optimized pump body by dynamic balance to obtain relatively low vibration and ensure small volume, provide large flow and maintain relatively low power consumption. The gas flow is stable and the motor runs in a wide range.

- optimized four-pump head design achieves maximum vacuum limits of-99Kpa.
- High-end Dc brushless motor, lifetime: >10000hours
- 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: Positive of power supply
- Black wire: Negative of power supply
- Blue wire: PWM, 0-5V, 15K~25K  
(connect Positive of PS to support full speed)
- Green wire: FG, 1Pulse/Cycle 0-5V, TTL Pulse