

BD - 05T Series - Micro Diaphragm Pump

Model:BD-05T053LH

Performance Data	
Model(for Standard)	BD-05T053LH
Voltage Range	12/24V
Maximum Flow	3.1 L/min (TSI meter) 4.2 L/min (float meter)
Maximum negative pressure	-60Kpa
Max positive pressure	1-1.5Bar
Motor Data	
Motor type	High-end DC brushless motor
Max power	5W
Waterproof lever	IP54
Physical Properties	
Storage temperature	-40℃~60℃
Operating environment	-20℃~45℃
Max medium temperature	150℃
Material	
Head of pump	PPS/304/AL (Customized 316)
Diaphragm/Valve	Imported FKM
Pump body	Imported Nylon
Dimension	61*32*61mm
Weight	212g



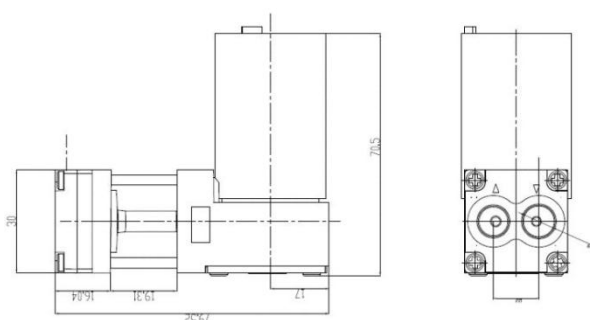
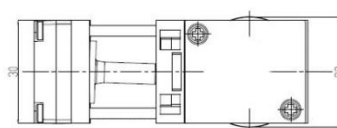
Features

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

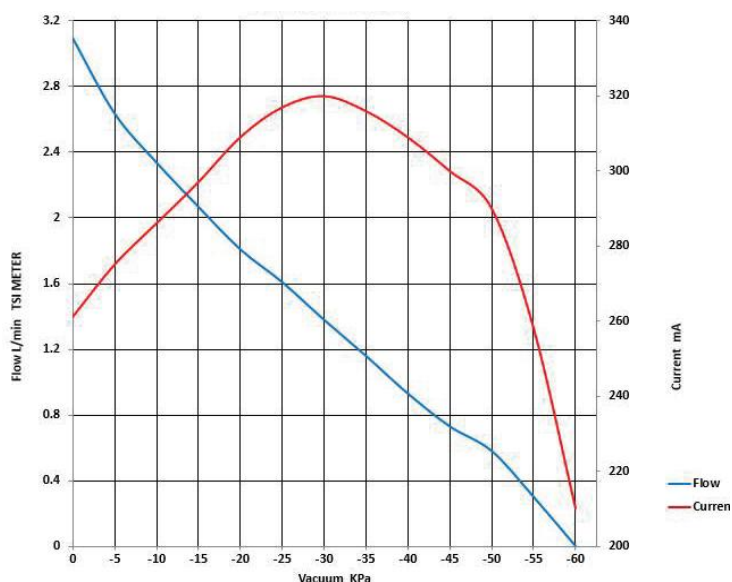
The gas flow is stable and the motor runs in a wide range.

- High performance motor
- Dc brushless motor lifetime >8000hours
- Imported ball bearing material design
- professional seal design ensures low leakage rate
- anti-corrosion and anti-high temperature
- High quality imported 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