

BD - 05T Series - Rotary Vane Vacuum Pump

Model:BD-05T01HR5LB

Performance Data	
Model	BD-05T01HR5LB
Voltage range	6V/12V/24V
Maximum flow rate	5.5L/min (Foat flowmeter) 4.8L/min (Electronic flowmeter)
Maximum negative pressure	-12KPa
Maximum positive pressure	+12KPa
Motor Data	
Motor type	Brushless dc motor
Max power	3w
Protection class:	IP20
Physical Properties	
Storage temperature	-40℃~60℃
Medium environment	0℃~45℃
Material	
Pump Head	304 stainless steels
Case	304 stainless steels
Vane	Graphite
Dimension	64*26*30mm
Weight	118g



Features

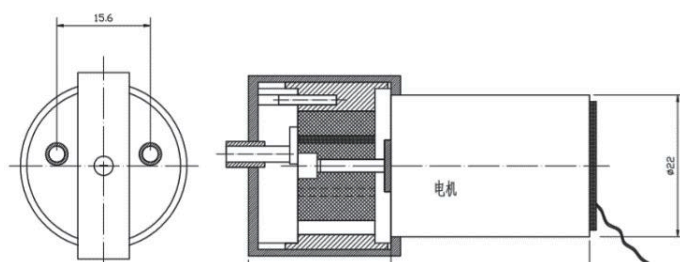
Low vibration and flow stability

Through balance optimization design, oil free rotary vane type working principle, provide large flow without vibration, can out put stable airflow without pulsation. Excellent design of pump head can reduce the noise of the air pump.

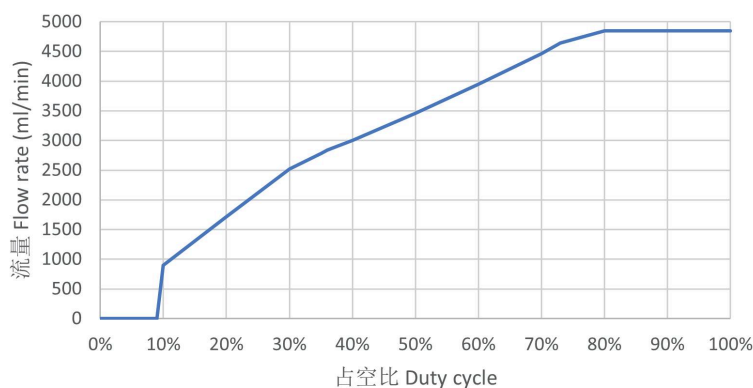
- Very stable working flow, regulated 5.5L/min flow-High performance brushless dc motor, lifetime over 6000-8000hours .

- High level of gas tightness, no contamination of sample gas.- Can provide positive and negative rotation, change the flow of gas at any time.

Drawing(mm)



Curve



Wiring instructions

- Red wire: Power positive
- Black wire: Negative power supply
- Yellow wire: FG, 1Pulse/Cycle
- White wire: PWM (frequency range:10-30 kHz)
- Full-speed operation wiring: Red and white wires connected together to positive supply; black wire connected to negative (GND).